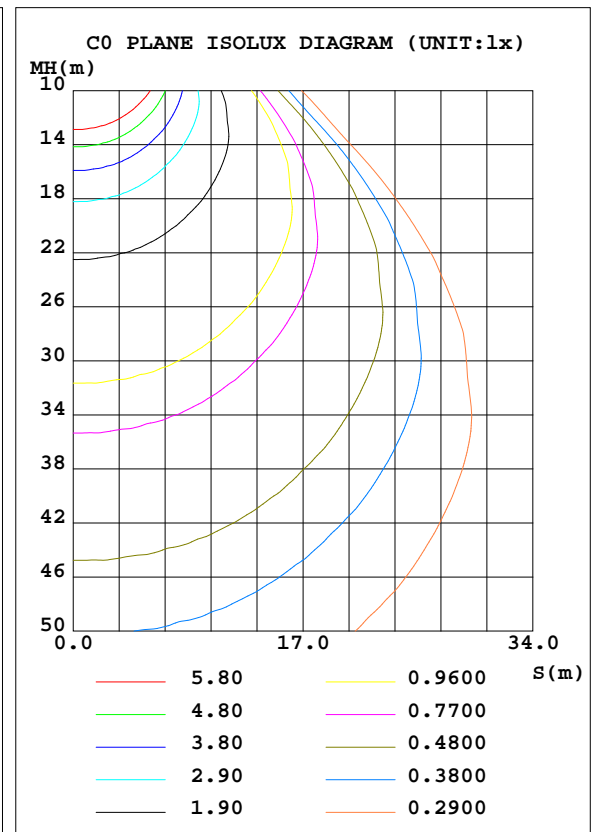
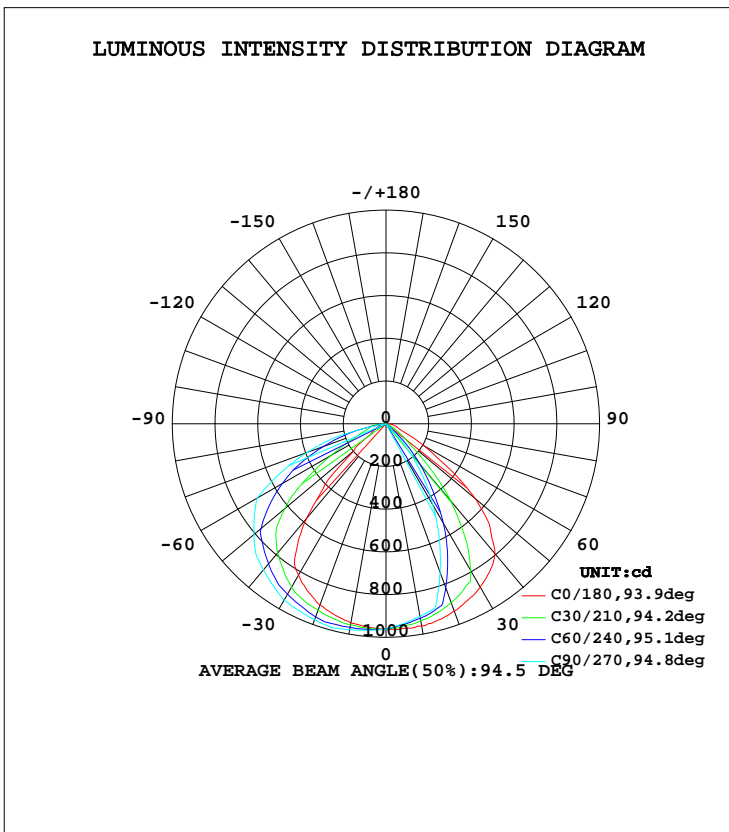


LUMINAIRE PHOTOMETRIC TEST REPORT

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

| DATA OF LAMP     |                    | PHOTOMETRIC DATA Eff: 85.99 lm/W |        |                    |          |
|------------------|--------------------|----------------------------------|--------|--------------------|----------|
| MODEL            | ASD-LSR3-25AC 3CCT | I <sub>max</sub> (cd)            | 990.9  | S/MH(C0/180)       | 1.22     |
| NOMINAL POWER(W) | 25                 | LOR(%)                           | 100.0  | S/MH(C90/270)      | 1.47     |
| RATED VOLTAGE(V) | 120                | TOTAL FLUX(lm)                   | 2114.8 | η UP, DN(C0-180)   | 0.0,28.3 |
| NOMINAL FLUX(lm) | 2114.78            | CIE CLASS                        | DIRECT | η UP, DN(C180-360) | 0.0,71.7 |
| LAMPS INSIDE     | 1                  | η up(%)                          | 0.0    | CIBSE SHR NOM      | 1.00     |
| TEST VOLTAGE(V)  | 120                | η down(%)                        | 100.0  | CIBSE SHR MAX      | 1.15     |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45    | C90    | C135   | C180   | C225  | C270  | C315  | γ       | Φ zone | Φ total | lum, lamp |
|-----|-----------------------|--------|--------|--------|--------|-------|-------|-------|---------|--------|---------|-----------|
| 5   | 961.6                 | 947.9  | 938.5  | 941.5  | 955.8  | 963.7 | 970.2 | 970.7 | 0- 5    | 22.91  | 22.91   | 1.08,1.08 |
| 10  | 961.6                 | 930.6  | 915.5  | 918.3  | 946.4  | 961.2 | 979.0 | 976.5 | 5- 10   | 68.09  | 91.00   | 4.3,4.3   |
| 15  | 951.3                 | 908.4  | 892.6  | 889.2  | 926.6  | 959.8 | 987.7 | 977.9 | 10- 15  | 111.7  | 202.7   | 9.59,9.59 |
| 20  | 932.6                 | 881.0  | 741.0  | 856.3  | 903.9  | 949.5 | 976.4 | 975.9 | 15- 20  | 151.2  | 353.9   | 16.7,16.7 |
| 25  | 910.2                 | 767.5  | 589.5  | 714.0  | 866.1  | 926.8 | 965.2 | 959.8 | 20- 25  | 181.8  | 535.7   | 25.3,25.3 |
| 30  | 882.5                 | 626.1  | 438.0  | 528.4  | 819.4  | 902.3 | 954.0 | 937.6 | 25- 30  | 202.3  | 737.9   | 34.9,34.9 |
| 35  | 845.9                 | 474.3  | 301.8  | 314.8  | 735.0  | 871.2 | 923.3 | 916.3 | 30- 35  | 210.8  | 948.7   | 44.9,44.9 |
| 40  | 793.2                 | 305.6  | 165.6  | 119.7  | 580.2  | 833.0 | 892.6 | 889.0 | 35- 40  | 207.9  | 1157    | 54.7,54.7 |
| 45  | 689.9                 | 196.1  | 29.42  | 65.97  | 405.3  | 774.8 | 862.0 | 843.2 | 40- 45  | 195.0  | 1352    | 63.9,63.9 |
| 50  | 545.9                 | 101.7  | 19.70  | 36.67  | 195.8  | 705.2 | 807.0 | 797.3 | 45- 50  | 177.4  | 1529    | 72.3,72.3 |
| 55  | 348.0                 | 28.49  | 9.986  | 18.66  | 95.42  | 617.2 | 752.0 | 750.5 | 50- 55  | 158.0  | 1687    | 79.8,79.8 |
| 60  | 202.7                 | 18.20  | 0.2704 | 11.35  | 70.78  | 461.7 | 697.0 | 651.1 | 55- 60  | 136.3  | 1823    | 86.2,86.2 |
| 65  | 95.97                 | 7.811  | 0.2941 | 4.211  | 53.68  | 318.2 | 544.8 | 539.6 | 60- 65  | 111.5  | 1935    | 91.5,91.5 |
| 70  | 63.30                 | 1.714  | 0.3178 | 0.2950 | 40.58  | 204.9 | 392.6 | 397.2 | 65- 70  | 83.39  | 2018    | 95.4,95.4 |
| 75  | 47.74                 | 1.046  | 0.3415 | 0.3224 | 28.23  | 140.4 | 240.4 | 253.3 | 70- 75  | 57.36  | 2076    | 98.1,98.1 |
| 80  | 35.30                 | 0.2733 | 0      | 0.2733 | 14.82  | 78.39 | 0     | 112.4 | 75- 80  | 30.96  | 2107    | 99.6,99.6 |
| 85  | 22.73                 | 0      | 0      | 0      | 3.528  | 0     | 0     | 0     | 80- 85  | 7.293  | 2114    | 100,100   |
| 90  | 8.260                 | 0      | 0      | 0      | 0.1979 | 0     | 0     | 0     | 85- 90  | 0.9374 | 2115    | 100,100   |
| 95  |                       |        |        |        |        |       |       |       | 90- 95  |        |         |           |
| 100 |                       |        |        |        |        |       |       |       | 95-100  |        |         |           |
| 105 |                       |        |        |        |        |       |       |       | 100-105 |        |         |           |
| 110 |                       |        |        |        |        |       |       |       | 105-110 |        |         |           |
| 115 |                       |        |        |        |        |       |       |       | 110-115 |        |         |           |
| 120 |                       |        |        |        |        |       |       |       | 115-120 |        |         |           |
| 125 |                       |        |        |        |        |       |       |       | 120-125 |        |         |           |
| 130 |                       |        |        |        |        |       |       |       | 125-130 |        |         |           |
| 135 |                       |        |        |        |        |       |       |       | 130-135 |        |         |           |
| 140 |                       |        |        |        |        |       |       |       | 135-140 |        |         |           |
| 145 |                       |        |        |        |        |       |       |       | 140-145 |        |         |           |
| 150 |                       |        |        |        |        |       |       |       | 145-150 |        |         |           |
| 155 |                       |        |        |        |        |       |       |       | 150-155 |        |         |           |
| 160 |                       |        |        |        |        |       |       |       | 155-160 |        |         |           |
| 165 |                       |        |        |        |        |       |       |       | 160-165 |        |         |           |
| 170 |                       |        |        |        |        |       |       |       | 165-170 |        |         |           |
| 175 |                       |        |        |        |        |       |       |       | 170-175 |        |         |           |
| 180 |                       |        |        |        |        |       |       |       | 175-180 |        |         |           |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |       |       |       | UNIT:lm |        |         |           |

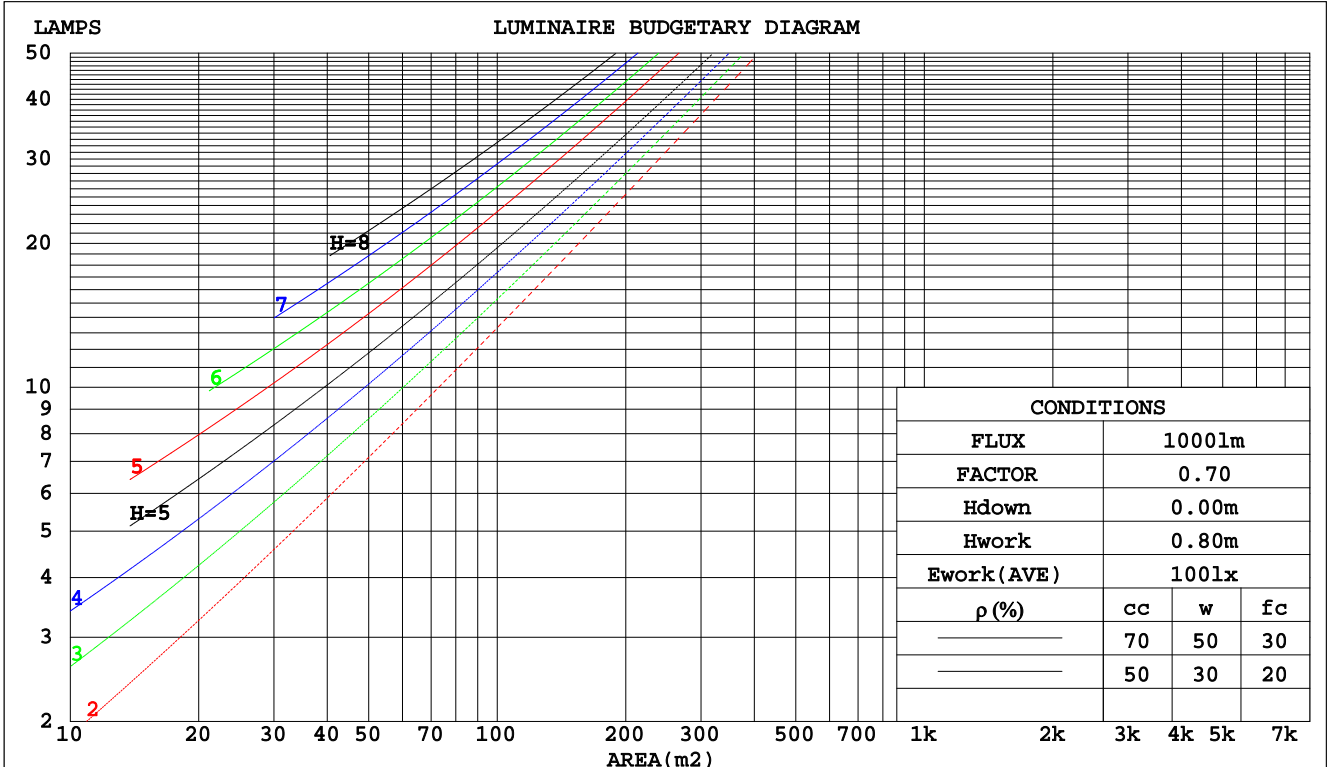
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

| pcc  | 80%  |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|      | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pw   |  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0   |
| pfc  | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0   |
| RCR  | RCR:Room Cavity Ratio      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 0.0  | 1.19   | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0  | 1.06   | 1.02 | .99  | 1.04 | 1.01 | .98  | .90  | .97  | .95  | .96  | .94  | .92  | .92  | .91  | .89  | .87 |
| 2.0  | .94  | .88  | .83  | .92  | .87  | .82  | .89  | .84  | .80  | .86  | .82  | .78  | .83  | .79  | .77  | .75 |
| 3.0  | .84  | .76  | .70  | .82  | .75  | .70  | .79  | .73  | .69  | .77  | .72  | .67  | .74  | .70  | .66  | .64 |
| 4.0  | .75  | .67  | .61  | .74  | .66  | .60  | .71  | .65  | .60  | .69  | .63  | .59  | .67  | .62  | .58  | .56 |
| 5.0  | .68  | .59  | .53  | .67  | .59  | .53  | .64  | .58  | .52  | .63  | .57  | .52  | .61  | .56  | .51  | .49 |
| 6.0  | .61  | .53  | .47  | .60  | .53  | .47  | .59  | .52  | .46  | .57  | .51  | .46  | .56  | .50  | .46  | .44 |
| 7.0  | .56  | .48  | .42  | .55  | .47  | .42  | .54  | .47  | .42  | .52  | .46  | .41  | .51  | .45  | .41  | .39 |
| 8.0  | .51  | .43  | .38  | .51  | .43  | .38  | .49  | .42  | .38  | .48  | .42  | .37  | .47  | .41  | .37  | .35 |
| 9.0  | .47  | .40  | .34  | .47  | .39  | .34  | .46  | .39  | .34  | .45  | .38  | .34  | .44  | .38  | .34  | .32 |
| 10.0 | .44  | .36  | .31  | .43  | .36  | .31  | .42  | .36  | .31  | .42  | .35  | .31  | .41  | .35  | .31  | .29 |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .266                  | .151 | .048 | .259 | .147 | .047 | .246                            | .141 | .045 | .234 | .135 | .043 | .222 | .129 | .042 |   |
| 2.0  | .257                  | .141 | .043 | .251 | .138 | .043 | .239                            | .133 | .041 | .229 | .128 | .040 | .219 | .124 | .039 |   |
| 3.0  | .242                  | .129 | .039 | .237 | .127 | .038 | .227                            | .123 | .037 | .217 | .119 | .037 | .209 | .116 | .036 |   |
| 4.0  | .226                  | .118 | .035 | .222 | .116 | .034 | .213                            | .113 | .034 | .205 | .110 | .033 | .197 | .107 | .033 |   |
| 5.0  | .211                  | .108 | .031 | .207 | .106 | .031 | .199                            | .104 | .031 | .192 | .101 | .030 | .185 | .099 | .030 |   |
| 6.0  | .198                  | .099 | .028 | .194 | .098 | .028 | .187                            | .096 | .028 | .181 | .094 | .028 | .175 | .092 | .027 |   |
| 7.0  | .185                  | .092 | .026 | .182 | .091 | .026 | .176                            | .089 | .026 | .170 | .087 | .025 | .165 | .086 | .025 |   |
| 8.0  | .174                  | .085 | .024 | .171 | .084 | .024 | .166                            | .083 | .024 | .161 | .081 | .023 | .156 | .080 | .023 |   |
| 9.0  | .164                  | .079 | .022 | .162 | .079 | .022 | .157                            | .077 | .022 | .152 | .076 | .022 | .147 | .075 | .022 |   |
| 10.0 | .155                  | .074 | .021 | .153 | .074 | .021 | .148                            | .073 | .020 | .144 | .071 | .020 | .140 | .070 | .020 |   |

| ρcc  | 80%                   |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρfc  | 20%                   |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .177                  | .157 | .138 | .152 | .134 | .119 | .104                                       | .092 | .082 | .060 | .053 | .048 | .019 | .017 | .015 |   |
| 2.0  | .168                  | .132 | .102 | .144 | .114 | .088 | .098                                       | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .159                  | .114 | .078 | .136 | .098 | .068 | .094                                       | .068 | .048 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .151                  | .100 | .062 | .130 | .087 | .054 | .089                                       | .061 | .038 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .144                  | .090 | .050 | .124 | .078 | .043 | .085                                       | .054 | .031 | .049 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .137                  | .081 | .041 | .118 | .070 | .036 | .081                                       | .049 | .026 | .047 | .029 | .015 | .015 | .009 | .005 |   |
| 7.0  | .130                  | .074 | .035 | .112 | .064 | .031 | .077                                       | .045 | .022 | .045 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .124                  | .068 | .030 | .107 | .059 | .026 | .074                                       | .042 | .019 | .043 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .119                  | .064 | .026 | .102 | .055 | .023 | .071                                       | .039 | .016 | .041 | .023 | .010 | .013 | .008 | .003 |   |
| 10.0 | .113                  | .059 | .023 | .098 | .051 | .020 | .068                                       | .036 | .014 | .039 | .021 | .009 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |                  |      |      |      |       |                |      |                  |      |      |
|---|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    |                  |      |      |      | TYPE: |                |      | WEIGHT:          |      |      |
| SPEC.:5000K   |                  |      |      |      | DIM.: |                |      | SERIAL No.:      |      |      |
| MFR.: HLE   |                  |      |      |      | SUR.: |                |      | Shielding Angle: |      |      |
| ceiling/cavity  | 0.7              | 0.7  | 0.5  | 0.5  | 0.3   | 0.7            | 0.7  | 0.5              | 0.5  | 0.3  |
| walls   | 0.5              | 0.3  | 0.5  | 0.3  | 0.3   | 0.5            | 0.3  | 0.5              | 0.3  | 0.3  |
| working plane   | 0.2              | 0.2  | 0.2  | 0.2  | 0.2   | 0.2            | 0.2  | 0.2              | 0.2  | 0.2  |
| Room dimensions   | Viewed crosswise |      |      |      |       | Viewed endwise |      |                  |      |      |
| x = 2H y = 2H   | 23.5             | 24.9 | 23.8 | 25.1 | 25.3  | 15.2           | 16.6 | 15.5             | 16.8 | 17.0 |
| 3H  | 23.6             | 24.9 | 23.9 | 25.1 | 25.4  | 15.0           | 16.3 | 15.3             | 16.5 | 16.7 |
| 4H  | 23.7             | 25.0 | 24.0 | 25.2 | 25.4  | 14.9           | 16.1 | 15.2             | 16.3 | 16.6 |
| 6H  | 23.9             | 25.0 | 24.2 | 25.3 | 25.6  | 14.8           | 15.9 | 15.1             | 16.2 | 16.5 |
| 8H  | 24.0             | 25.1 | 24.3 | 25.4 | 25.6  | 14.7           | 15.8 | 15.1             | 16.1 | 16.4 |
| 12H   | 24.1             | 25.1 | 24.4 | 25.4 | 25.7  | 14.7           | 15.7 | 15.0             | 16.0 | 16.3 |
| 4H 2H   | 23.2             | 24.4 | 23.5 | 24.7 | 24.9  | 15.1           | 16.3 | 15.4             | 16.6 | 16.8 |
| 3H  | 23.3             | 24.4 | 23.7 | 24.7 | 25.0  | 14.9           | 15.9 | 15.2             | 16.2 | 16.5 |
| 4H  | 23.5             | 24.4 | 23.8 | 24.7 | 25.1  | 14.8           | 15.7 | 15.2             | 16.1 | 16.4 |
| 6H  | 23.7             | 24.5 | 24.0 | 24.9 | 25.2  | 14.7           | 15.5 | 15.1             | 15.9 | 16.2 |
| 8H  | 23.8             | 24.6 | 24.2 | 24.9 | 25.3  | 14.6           | 15.4 | 15.1             | 15.8 | 16.2 |
| 12H   | 23.9             | 24.6 | 24.3 | 25.0 | 25.4  | 14.6           | 15.3 | 15.0             | 15.7 | 16.1 |
| 8H 4H   | 23.3             | 24.1 | 23.7 | 24.5 | 24.9  | 14.7           | 15.5 | 15.1             | 15.8 | 16.2 |
| 6H  | 23.5             | 24.2 | 24.0 | 24.6 | 25.0  | 14.6           | 15.2 | 15.0             | 15.6 | 16.1 |
| 8H  | 23.6             | 24.2 | 24.1 | 24.6 | 25.1  | 14.6           | 15.1 | 15.0             | 15.5 | 16.0 |
| 12H   | 23.8             | 24.3 | 24.3 | 24.7 | 25.2  | 14.5           | 15.0 | 15.0             | 15.4 | 15.9 |
| 12H 4H  | 23.3             | 24.0 | 23.7 | 24.4 | 24.8  | 14.6           | 15.4 | 15.1             | 15.7 | 16.1 |
| 6H  | 23.5             | 24.1 | 23.9 | 24.5 | 24.9  | 14.6           | 15.1 | 15.0             | 15.6 | 16.0 |
| 8H  | 23.6             | 24.1 | 24.1 | 24.5 | 25.0  | 14.5           | 15.0 | 15.0             | 15.5 | 15.9 |
| Variations with the observer position at spacings:                |                  |      |      |      |       |                |      |                  |      |      |
| S = 1.0H  | + 2.1 / - 3.2    |      |      |      |       | + 2.6 / -12.5  |      |                  |      |      |
| 1.5H  | + 3.3 / - 5.2    |      |      |      |       | + 4.2 / - 8.2  |      |                  |      |      |
| 2.0H  | + 5.6 / - 7.1    |      |      |      |       | + 3.4 / -10.8  |      |                  |      |      |

CIE Pub.117 Corrected 2115 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

| REFLECTANCE                      |   |     |           |     |     |     |               |     |     |        |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8   | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5           | 0.5 | 0.5 | 0      |
| Walls                            | 0.7   | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7           | 0.5 | 0.3 | 0      |
| Working plane                    | 0.2   | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |               |     |     |        |
| k = 0.60                         | 63  | 53  | 46        | 63  | 53  | 46  | 62            | 52  | 46  | 40     |
| 0.80                             | 73  | 63  | 56        | 72  | 62  | 56  | 71            | 62  | 56  | 49     |
| 1.00                             | 81  | 72  | 65        | 80  | 71  | 65  | 78            | 72  | 64  | 58     |
| 1.25                             | 88  | 79  | 73        | 87  | 78  | 72  | 84            | 77  | 71  | 65     |
| 1.50                             | 93  | 84  | 78        | 91  | 83  | 77  | 88            | 81  | 76  | 70     |
| 2.00                             | 99  | 91  | 86        | 97  | 90  | 85  | 94            | 88  | 84  | 76     |
| 2.50                             | 102   | 95  | 90        | 100 | 94  | 89  | 97            | 91  | 87  | 80     |
| 3.00                             | 105   | 99  | 94        | 103 | 98  | 93  | 99            | 95  | 91  | 83     |
| 4.00                             | 108   | 104 | 100       | 106 | 102 | 98  | 102           | 99  | 96  | 87     |
| 5.00                             | 111   | 106 | 103       | 108 | 105 | 101 | 104           | 101 | 98  | 90     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

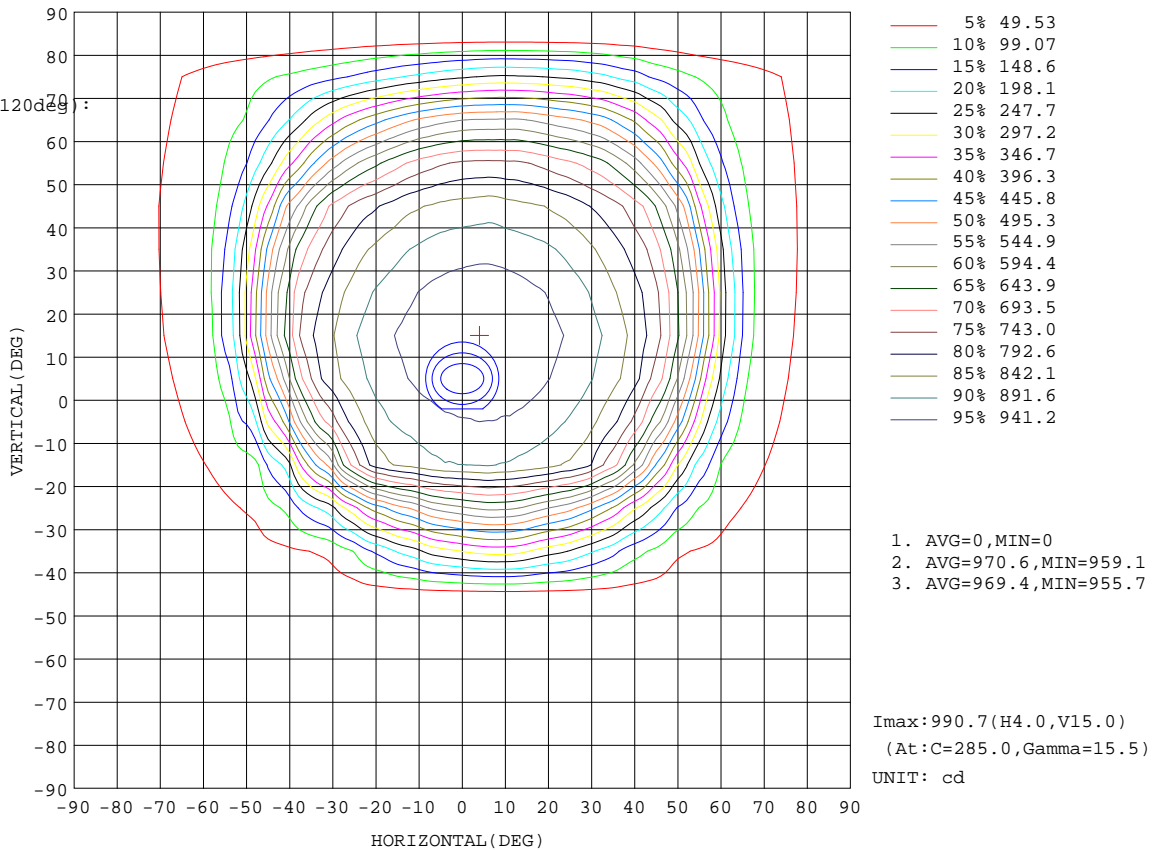
$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

Conical surface Flux(90deg):  
 1351.6 lm  
 %lum = 63.9%  
 %lamp = 63.9%

Conical surface Flux(120deg):  
 1823.3 lm  
 %lum = 86.2%  
 %lamp = 86.2%

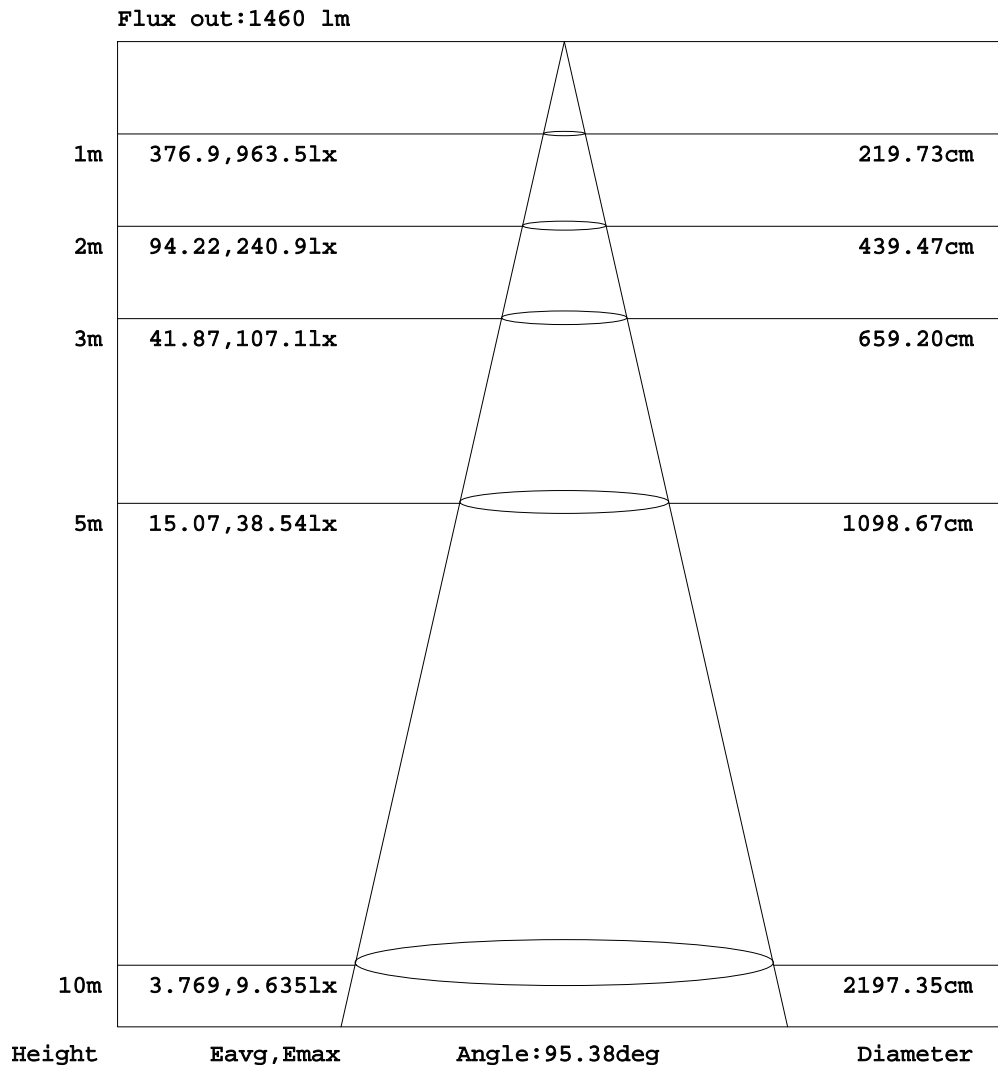


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

AAI Figure

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

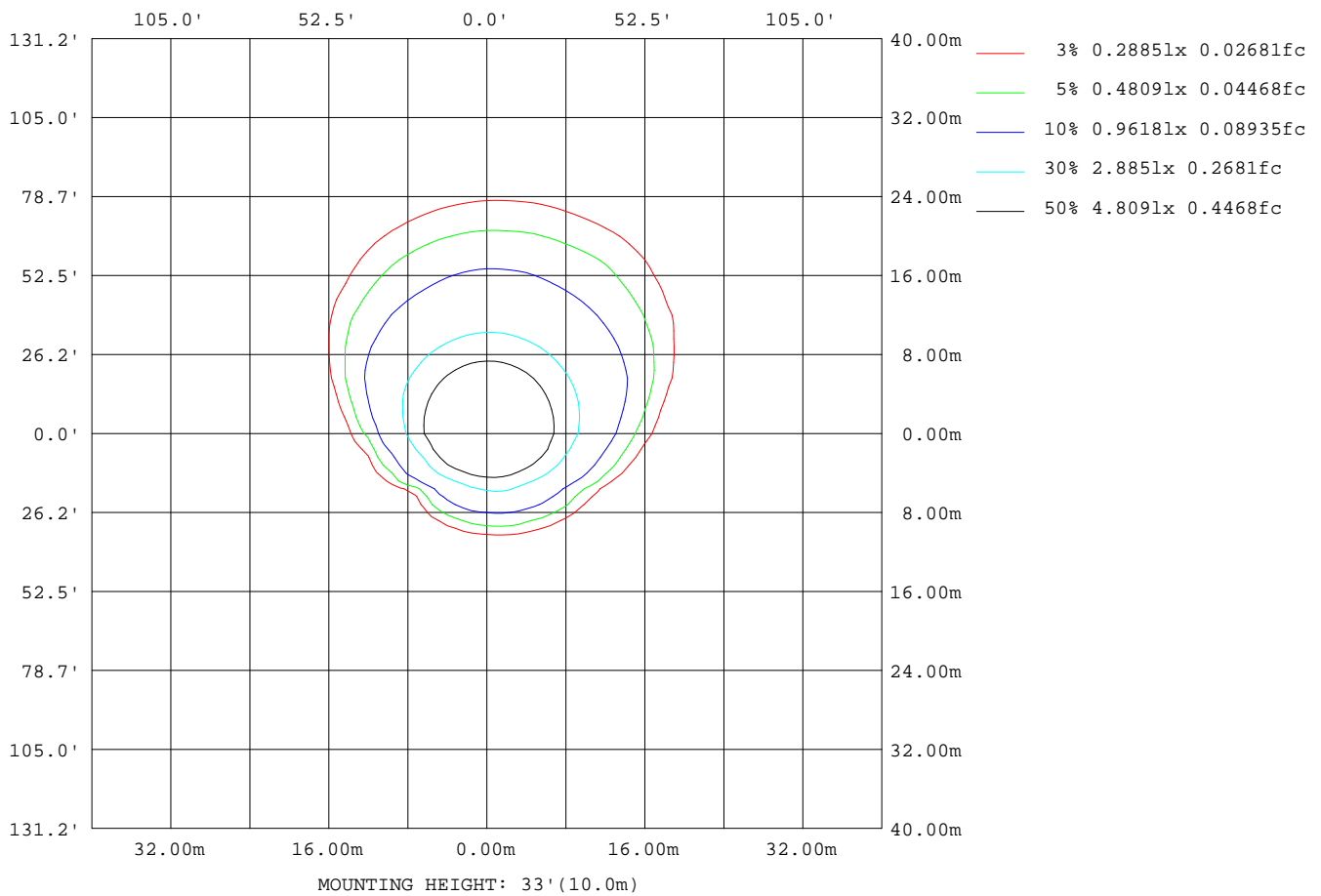
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

## LED Avg.L Report

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

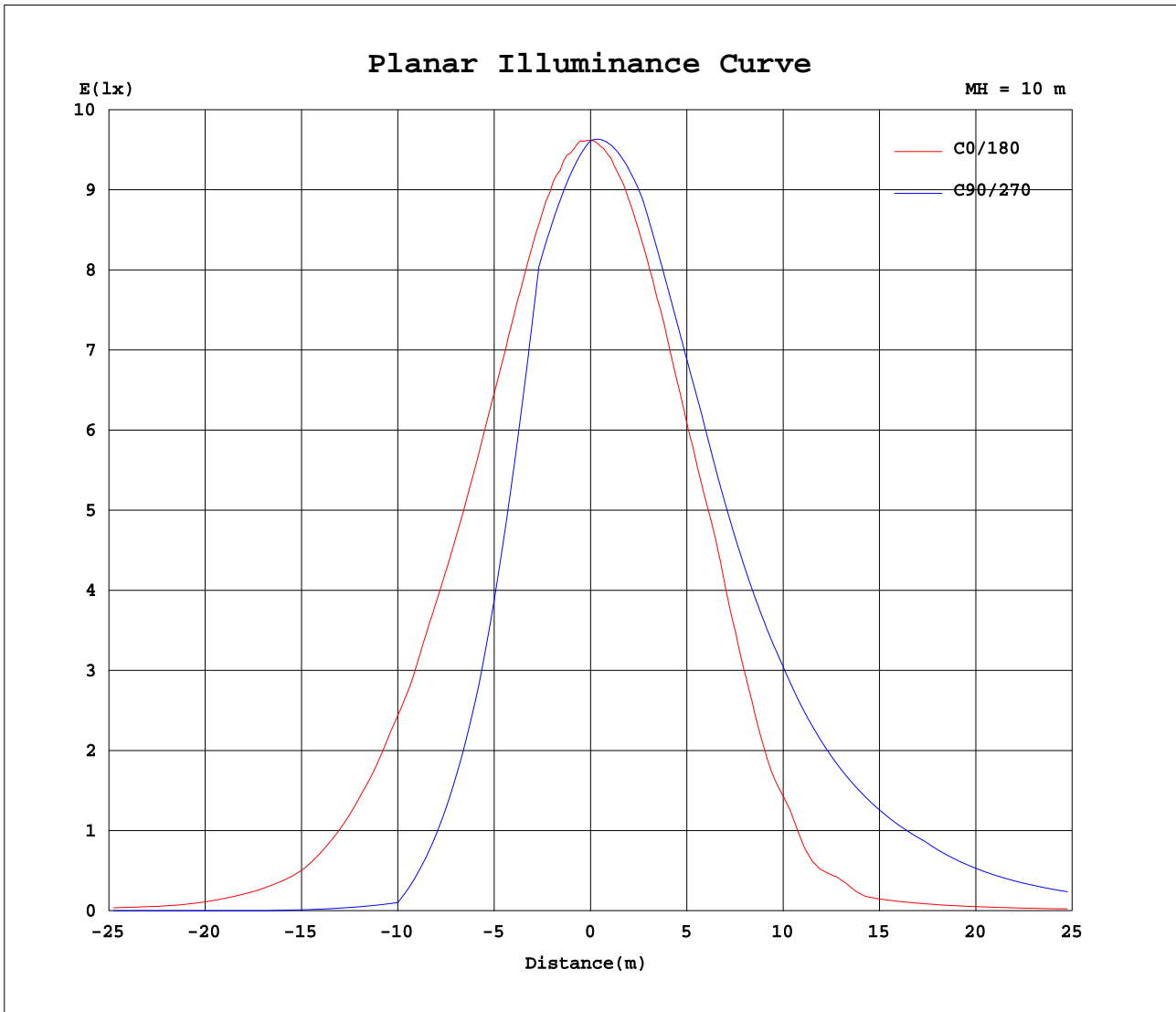
| AvgL           | cd/m2 |
|----------------|-------|
| L_0~180(65)av  | 17705 |
| L_0~180(75)av  | 14677 |
| L_0~180(85)av  | 15061 |
| L_90~270(65)av | 64489 |
| L_90~270(75)av | 46501 |
| L_90~270(85)av | 0     |
| L_45(65)av     | 51449 |
| L_45(75)av     | 38161 |
| L_45(85)av     | 0     |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:27.3DEG  
Operators:QC  
Test Date:2022-08-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
Humidity:65.0%  
Test Distance:10.382m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C( DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  |
| 5                  | 962  | 960  | 958  | 956  | 955  | 953  | 952  | 950  | 949  | 948  | 947  | 945  | 944  | 942  | 940  | 939  | 939  | 939  | 939  |
| 10                 | 962  | 957  | 953  | 948  | 944  | 939  | 937  | 934  | 932  | 931  | 928  | 926  | 925  | 922  | 920  | 919  | 917  | 915  | 916  |
| 15                 | 951  | 945  | 938  | 933  | 927  | 923  | 918  | 913  | 911  | 908  | 905  | 902  | 901  | 902  | 902  | 896  | 895  | 892  | 893  |
| 20                 | 933  | 924  | 916  | 909  | 902  | 897  | 892  | 887  | 884  | 881  | 864  | 840  | 817  | 797  | 783  | 771  | 756  | 746  | 741  |
| 25                 | 910  | 899  | 888  | 879  | 870  | 862  | 859  | 857  | 808  | 767  | 732  | 706  | 683  | 663  | 644  | 629  | 613  | 600  | 590  |
| 30                 | 883  | 864  | 849  | 840  | 832  | 826  | 792  | 731  | 672  | 626  | 586  | 555  | 537  | 522  | 506  | 489  | 471  | 454  | 438  |
| 35                 | 846  | 814  | 786  | 764  | 749  | 710  | 642  | 579  | 520  | 474  | 431  | 396  | 381  | 375  | 363  | 346  | 330  | 315  | 302  |
| 40                 | 793  | 735  | 686  | 650  | 617  | 544  | 472  | 403  | 346  | 306  | 293  | 271  | 249  | 233  | 220  | 203  | 187  | 174  | 166  |
| 45                 | 690  | 607  | 538  | 492  | 433  | 356  | 282  | 222  | 211  | 196  | 175  | 154  | 127  | 102  | 80.1 | 59.6 | 43.4 | 33.3 | 29.4 |
| 50                 | 546  | 450  | 368  | 312  | 260  | 195  | 136  | 126  | 118  | 102  | 75.4 | 44.4 | 29.2 | 26.8 | 24.7 | 23.0 | 21.5 | 20.5 | 19.7 |
| 55                 | 348  | 274  | 205  | 170  | 123  | 75.4 | 80.4 | 69.1 | 50.8 | 28.5 | 24.7 | 21.5 | 18.7 | 16.2 | 14.2 | 12.6 | 11.3 | 10.5 | 9.99 |
| 60                 | 203  | 146  | 106  | 89.6 | 55.5 | 47.5 | 39.4 | 28.2 | 22.5 | 18.2 | 14.3 | 11.0 | 8.04 | 5.55 | 3.58 | 2.10 | 1.06 | 0.47 | 0.27 |
| 65                 | 96.0 | 75.8 | 59.6 | 47.6 | 39.1 | 30.6 | 22.8 | 17.2 | 12.2 | 7.81 | 3.86 | 1.04 | 0.69 | 0.46 | 0.34 | 0.31 | 0.30 | 0.30 | 0.29 |
| 70                 | 63.3 | 51.9 | 42.4 | 33.6 | 25.5 | 18.4 | 12.2 | 6.69 | 2.42 | 1.71 | 1.19 | 0.82 | 0.58 | 0.43 | 0.35 | 0.33 | 0.32 | 0.32 | 0.32 |
| 75                 | 47.7 | 38.3 | 29.8 | 21.7 | 14.2 | 7.39 | 3.41 | 2.29 | 1.54 | 1.05 | 0.73 | 0.53 | 0.42 | 0.36 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| 80                 | 35.3 | 26.3 | 17.9 | 9.69 | 4.37 | 2.55 | 1.44 | 0.77 | 0.40 | 0.27 | 0.20 | 0.15 | 0.10 | 0.07 | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 |
| 85                 | 22.7 | 13.5 | 5.64 | 1.75 | 0.30 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90                 | 8.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C( DEG)<br>γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  |
| 5                  | 938  | 938  | 938  | 939  | 939  | 939  | 939  | 940  | 942  | 943  | 945  | 946  | 947  | 949  | 950  | 952  | 954  | 956  | 956  |
| 10                 | 914  | 915  | 914  | 914  | 916  | 917  | 916  | 917  | 918  | 920  | 922  | 924  | 927  | 930  | 933  | 937  | 942  | 946  | 948  |
| 15                 | 891  | 890  | 891  | 892  | 888  | 890  | 889  | 888  | 889  | 890  | 890  | 895  | 899  | 904  | 908  | 914  | 920  | 927  | 929  |
| 20                 | 739  | 740  | 748  | 756  | 769  | 783  | 807  | 835  | 856  | 858  | 859  | 863  | 867  | 869  | 876  | 885  | 894  | 904  | 907  |
| 25                 | 582  | 582  | 584  | 590  | 595  | 608  | 638  | 672  | 714  | 758  | 819  | 814  | 809  | 808  | 815  | 828  | 845  | 866  | 871  |
| 30                 | 425  | 419  | 417  | 409  | 408  | 428  | 452  | 482  | 528  | 574  | 617  | 667  | 694  | 695  | 709  | 733  | 771  | 819  | 825  |
| 35                 | 292  | 287  | 281  | 265  | 262  | 254  | 244  | 281  | 315  | 351  | 401  | 433  | 467  | 513  | 561  | 612  | 669  | 735  | 752  |
| 40                 | 161  | 162  | 160  | 157  | 161  | 156  | 155  | 138  | 120  | 151  | 196  | 258  | 309  | 352  | 388  | 434  | 498  | 580  | 616  |
| 45                 | 31.2 | 38.1 | 47.5 | 58.8 | 69.2 | 77.6 | 79.8 | 73.3 | 66.0 | 62.1 | 69.8 | 129  | 156  | 168  | 197  | 260  | 329  | 405  | 456  |
| 50                 | 19.1 | 19.1 | 19.2 | 19.7 | 20.4 | 21.5 | 27.0 | 33.9 | 36.7 | 42.1 | 47.3 | 52.0 | 77.3 | 97.3 | 89.6 | 113  | 154  | 196  | 257  |
| 55                 | 9.77 | 9.99 | 10.4 | 11.2 | 12.2 | 13.4 | 15.0 | 16.7 | 18.7 | 24.7 | 30.5 | 35.9 | 41.2 | 50.1 | 59.5 | 71.2 | 84.6 | 95.4 | 140  |
| 60                 | 0.45 | 0.95 | 1.74 | 2.79 | 4.08 | 5.60 | 7.31 | 9.24 | 11.4 | 13.6 | 16.3 | 22.3 | 28.1 | 34.3 | 42.5 | 50.5 | 59.8 | 70.8 | 82.0 |
| 65                 | 0.29 | 0.29 | 0.29 | 0.29 | 0.28 | 0.28 | 0.27 | 1.92 | 4.21 | 6.65 | 9.23 | 11.7 | 16.1 | 22.3 | 29.1 | 36.6 | 44.6 | 53.7 | 63.2 |
| 70                 | 0.32 | 0.32 | 0.31 | 0.31 | 0.31 | 0.30 | 0.30 | 0.29 | 0.30 | 0.30 | 2.51 | 5.14 | 7.42 | 10.2 | 16.9 | 24.3 | 32.3 | 40.6 | 49.4 |
| 75                 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 0.33 | 0.32 | 0.32 | 0.33 | 0.32 | 0.32 | 1.64 | 3.36 | 5.63 | 12.4 | 19.8 | 28.2 | 37.0 |
| 80                 | 0.00 | 0.01 | 0.02 | 0.04 | 0.07 | 0.10 | 0.15 | 0.20 | 0.27 | 0.34 | 0.34 | 0.34 | 0.33 | 0.33 | 1.26 | 2.19 | 7.02 | 14.8 | 23.9 |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.30 | 0.34 | 0.33 | 0.30 | 3.53 | 9.21 |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

Table--3

UNIT: cd

| C( DEG ) \ γ ( DEG ) | 190  | 195  | 200   | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|----------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                    | 961  | 961  | 961   | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  |
| 5                    | 957  | 958  | 959   | 960  | 961  | 962  | 963  | 964  | 964  | 965  | 966  | 968  | 968  | 969  | 970  | 970  | 970  | 971  | 971  |
| 10                   | 949  | 951  | 952   | 954  | 956  | 957  | 959  | 961  | 964  | 967  | 968  | 971  | 973  | 975  | 977  | 978  | 979  | 980  | 980  |
| 15                   | 931  | 934  | 937   | 941  | 945  | 949  | 954  | 960  | 964  | 967  | 969  | 973  | 975  | 981  | 984  | 986  | 988  | 989  | 989  |
| 20                   | 910  | 913  | 918   | 924  | 929  | 937  | 943  | 949  | 955  | 959  | 962  | 964  | 966  | 968  | 972  | 975  | 976  | 978  | 980  |
| 25                   | 877  | 884  | 892   | 902  | 912  | 923  | 924  | 927  | 933  | 937  | 941  | 948  | 953  | 957  | 961  | 964  | 965  | 967  | 969  |
| 30                   | 834  | 846  | 860   | 872  | 883  | 889  | 895  | 902  | 908  | 914  | 922  | 929  | 937  | 944  | 948  | 952  | 954  | 957  | 958  |
| 35                   | 775  | 798  | 817   | 829  | 837  | 849  | 859  | 871  | 881  | 891  | 895  | 902  | 907  | 913  | 918  | 921  | 923  | 927  | 930  |
| 40                   | 665  | 721  | 762   | 774  | 789  | 803  | 818  | 833  | 842  | 848  | 855  | 863  | 872  | 878  | 885  | 890  | 893  | 897  | 901  |
| 45                   | 521  | 600  | 641   | 683  | 729  | 754  | 761  | 775  | 791  | 804  | 813  | 823  | 837  | 844  | 850  | 858  | 862  | 867  | 870  |
| 50                   | 339  | 423  | 492   | 571  | 617  | 657  | 679  | 705  | 733  | 755  | 764  | 765  | 774  | 783  | 791  | 801  | 807  | 811  | 815  |
| 55                   | 190  | 241  | 314   | 396  | 463  | 524  | 568  | 617  | 639  | 651  | 666  | 677  | 693  | 714  | 728  | 742  | 752  | 755  | 759  |
| 60                   | 96.9 | 138  | 180   | 234  | 297  | 362  | 434  | 462  | 501  | 532  | 561  | 586  | 613  | 642  | 664  | 684  | 697  | 699  | 704  |
| 65                   | 73.7 | 86.1 | 100.0 | 135  | 177  | 229  | 276  | 318  | 362  | 408  | 445  | 468  | 486  | 505  | 520  | 534  | 545  | 551  | 561  |
| 70                   | 58.0 | 67.7 | 78.7  | 90.4 | 113  | 131  | 161  | 205  | 247  | 286  | 312  | 329  | 342  | 357  | 370  | 382  | 393  | 402  | 411  |
| 75                   | 45.8 | 55.4 | 64.1  | 73.8 | 83.4 | 95.2 | 117  | 140  | 161  | 178  | 188  | 195  | 202  | 211  | 219  | 231  | 240  | 253  | 261  |
| 80                   | 33.6 | 42.6 | 51.8  | 60.7 | 70.3 | 79.6 | 87.9 | 78.4 | 65.1 | 53.4 | 42.2 | 31.8 | 22.2 | 13.5 | 6.41 | 1.71 | 0.00 | 1.88 | 7.69 |
| 85                   | 19.3 | 29.0 | 34.5  | 17.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90                   | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

C Range: 0 - 360DEG      γ Range: 0 - 90DEG  
 C Interval: 5.0DEG      γ Interval: 0.5DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Temperature:27.3DEG      Humidity:65.0%  
 Operators:QC      Test Distance:10.382m [K=1.0000]  
 Test Date:2022-08-29      Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |       |                  |
|---|-------|------------------|
| Test:U:120.0V I:0.2908A P:24.59W PF:0.7048 Lamp Flux:2114.78x1 lm |       |                  |
| NAME: ASD-LSR3-25AC 3CCT 5000K                                    | TYPE: | WEIGHT:          |
| SPEC.:5000K   | DIM.: | SERIAL No.:      |
| MFR.: HLE   | SUR.: | Shielding Angle: |

Table--4

UNIT: cd

| C (DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  | 961  |  |  |  |  |
| 5                  | 971  | 971  | 971  | 971  | 972  | 972  | 971  | 970  | 969  | 968  | 967  | 966  | 964  | 963  | 963  |  |  |  |  |
| 10                 | 981  | 981  | 980  | 978  | 977  | 977  | 976  | 975  | 973  | 970  | 967  | 966  | 965  | 964  | 963  |  |  |  |  |
| 15                 | 990  | 989  | 987  | 986  | 984  | 981  | 978  | 974  | 971  | 969  | 965  | 962  | 959  | 956  | 953  |  |  |  |  |
| 20                 | 981  | 981  | 982  | 981  | 979  | 978  | 976  | 970  | 964  | 960  | 954  | 949  | 944  | 939  | 936  |  |  |  |  |
| 25                 | 969  | 969  | 968  | 965  | 964  | 960  | 960  | 957  | 953  | 946  | 938  | 931  | 924  | 919  | 914  |  |  |  |  |
| 30                 | 957  | 956  | 953  | 950  | 946  | 943  | 938  | 933  | 930  | 928  | 921  | 910  | 903  | 894  | 887  |  |  |  |  |
| 35                 | 929  | 929  | 929  | 929  | 930  | 923  | 916  | 910  | 902  | 896  | 893  | 884  | 871  | 859  | 851  |  |  |  |  |
| 40                 | 897  | 896  | 895  | 895  | 893  | 890  | 889  | 880  | 869  | 859  | 850  | 846  | 832  | 816  | 803  |  |  |  |  |
| 45                 | 864  | 862  | 861  | 858  | 855  | 850  | 843  | 837  | 832  | 820  | 808  | 795  | 781  | 748  | 715  |  |  |  |  |
| 50                 | 815  | 815  | 816  | 817  | 814  | 805  | 797  | 789  | 782  | 778  | 760  | 725  | 691  | 642  | 590  |  |  |  |  |
| 55                 | 761  | 757  | 751  | 749  | 747  | 747  | 750  | 735  | 719  | 694  | 672  | 623  | 570  | 505  | 416  |  |  |  |  |
| 60                 | 707  | 695  | 685  | 679  | 673  | 663  | 651  | 643  | 627  | 583  | 537  | 486  | 390  | 320  | 248  |  |  |  |  |
| 65                 | 570  | 572  | 574  | 584  | 593  | 568  | 540  | 506  | 468  | 440  | 357  | 294  | 235  | 187  | 135  |  |  |  |  |
| 70                 | 418  | 421  | 426  | 432  | 435  | 422  | 397  | 364  | 311  | 259  | 213  | 166  | 126  | 93.1 | 76.3 |  |  |  |  |
| 75                 | 266  | 271  | 277  | 279  | 279  | 272  | 253  | 224  | 196  | 148  | 120  | 96.2 | 79.0 | 67.5 | 57.0 |  |  |  |  |
| 80                 | 17.3 | 30.8 | 47.8 | 66.0 | 84.3 | 102  | 112  | 122  | 113  | 99.6 | 83.3 | 72.1 | 62.3 | 53.2 | 44.1 |  |  |  |  |
| 85                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.8 | 51.4 | 49.5 | 40.7 | 31.6 |  |  |  |  |
| 90                 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:27.3DEG  
 Operators:QC  
 Test Date:2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity:65.0%  
 Test Distance:10.382m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G/C  | 0.0    | 5.0    | 10.0   | 15.0   | 20.0   | 25.0   | 30.0   | 35.0   | 40.0   | 45.0   |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  |
| 2.5  | 963.8  | 962.7  | 961.6  | 960.5  | 959.4  | 958.2  | 957.0  | 955.8  | 954.9  | 954.1  |
| 5.0  | 961.6  | 959.8  | 958.1  | 956.5  | 954.9  | 953.4  | 951.9  | 950.5  | 949.1  | 947.9  |
| 7.5  | 964.0  | 960.9  | 957.8  | 954.9  | 952.3  | 949.1  | 946.0  | 943.1  | 940.9  | 939.1  |
| 10.0 | 961.6  | 957.2  | 952.7  | 948.1  | 943.7  | 939.5  | 936.7  | 934.3  | 932.2  | 930.6  |
| 12.5 | 957.6  | 951.9  | 946.3  | 940.8  | 936.7  | 933.4  | 930.1  | 925.9  | 921.8  | 918.3  |
| 15.0 | 951.3  | 944.7  | 938.4  | 932.6  | 927.3  | 922.6  | 918.3  | 913.3  | 910.8  | 908.4  |
| 17.5 | 943.4  | 935.6  | 928.3  | 921.6  | 915.7  | 910.2  | 905.5  | 901.4  | 897.6  | 893.8  |
| 20.0 | 932.6  | 923.9  | 915.9  | 908.6  | 902.2  | 897.2  | 891.8  | 887.0  | 883.7  | 881.0  |
| 22.5 | 922.7  | 911.9  | 902.3  | 894.3  | 887.9  | 881.8  | 876.4  | 872.5  | 869.0  | 832.5  |
| 25.0 | 910.2  | 898.6  | 888.1  | 879.0  | 869.7  | 862.1  | 858.5  | 856.5  | 808.5  | 767.5  |
| 27.5 | 898.9  | 885.0  | 873.0  | 861.8  | 853.2  | 848.0  | 840.6  | 792.2  | 743.0  | 697.6  |
| 30.0 | 882.5  | 864.0  | 849.5  | 840.0  | 831.7  | 826.3  | 791.6  | 730.8  | 672.3  | 626.1  |
| 32.5 | 865.0  | 839.4  | 817.9  | 802.0  | 793.7  | 795.2  | 723.0  | 657.0  | 602.3  | 551.1  |
| 35.0 | 845.9  | 813.6  | 785.8  | 763.9  | 749.0  | 709.6  | 642.2  | 578.9  | 520.4  | 474.3  |
| 37.5 | 823.3  | 778.7  | 742.6  | 718.7  | 705.5  | 628.7  | 555.2  | 492.8  | 434.8  | 387.6  |
| 40.0 | 793.2  | 735.2  | 685.6  | 650.1  | 617.1  | 544.2  | 471.6  | 403.0  | 346.0  | 305.6  |
| 42.5 | 738.0  | 673.0  | 622.3  | 583.7  | 519.3  | 444.9  | 379.5  | 315.5  | 262.5  | 247.7  |
| 45.0 | 689.9  | 607.2  | 537.9  | 492.4  | 433.1  | 356.0  | 282.2  | 221.9  | 211.2  | 196.1  |
| 47.5 | 623.6  | 536.0  | 465.8  | 403.2  | 336.8  | 274.3  | 197.7  | 165.7  | 164.4  | 146.2  |
| 50.0 | 545.9  | 449.8  | 368.0  | 312.2  | 260.5  | 195.3  | 136.2  | 125.8  | 118.4  | 101.7  |
| 52.5 | 448.7  | 361.0  | 292.0  | 231.9  | 179.3  | 126.0  | 106.6  | 95.67  | 80.71  | 61.61  |
| 55.0 | 348.0  | 274.0  | 204.9  | 169.9  | 122.6  | 75.44  | 80.35  | 69.10  | 50.77  | 28.49  |
| 57.5 | 263.2  | 203.2  | 156.7  | 120.7  | 80.67  | 57.66  | 56.32  | 46.93  | 27.64  | 23.35  |
| 60.0 | 202.7  | 145.7  | 105.8  | 89.62  | 55.51  | 47.53  | 39.38  | 28.16  | 22.55  | 18.20  |
| 62.5 | 147.4  | 104.5  | 72.54  | 62.19  | 46.83  | 38.58  | 29.19  | 22.32  | 17.42  | 13.02  |
| 65.0 | 95.97  | 75.78  | 59.63  | 47.55  | 39.06  | 30.59  | 22.77  | 17.17  | 12.24  | 7.811  |
| 67.5 | 75.10  | 60.83  | 49.98  | 39.93  | 31.98  | 23.71  | 17.52  | 11.97  | 7.004  | 2.557  |
| 70.0 | 63.30  | 51.87  | 42.40  | 33.61  | 25.53  | 18.39  | 12.22  | 6.694  | 2.421  | 1.714  |
| 72.5 | 54.83  | 44.75  | 35.91  | 27.56  | 19.76  | 12.97  | 6.820  | 2.913  | 2.015  | 1.405  |
| 75.0 | 47.74  | 38.30  | 29.84  | 21.68  | 14.16  | 7.393  | 3.406  | 2.292  | 1.540  | 1.046  |
| 77.5 | 41.37  | 32.22  | 23.89  | 15.77  | 8.340  | 3.898  | 2.486  | 1.575  | 0.9956 | 0.6449 |
| 80.0 | 35.30  | 26.30  | 17.91  | 9.691  | 4.369  | 2.549  | 1.438  | 0.7742 | 0.3980 | 0.2733 |
| 82.5 | 29.08  | 20.19  | 11.37  | 4.824  | 2.377  | 1.022  | 0.3245 | 0.1999 | 0.1076 | 0.0373 |
| 85.0 | 22.73  | 13.50  | 5.641  | 1.747  | 0.2970 | 0.1158 | 0      | 0      | 0      | 0      |
| 87.5 | 15.92  | 6.738  | 2.065  | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 90.0 | 8.260  | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| G/C  | 50.0   | 55.0   | 60.0   | 65.0   | 70.0   | 75.0   | 80.0   | 85.0   | 90.0   | 95.0   |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  |
| 2.5  | 953.3  | 952.6  | 952.0  | 951.4  | 950.9  | 950.6  | 950.3  | 950.1  | 950.0  | 950.0  |
| 5.0  | 946.8  | 945.5  | 943.5  | 941.7  | 940.4  | 939.4  | 938.7  | 938.5  | 938.5  | 938.2  |
| 7.5  | 937.3  | 935.4  | 933.9  | 932.8  | 930.9  | 928.9  | 927.4  | 926.8  | 927.0  | 926.2  |
| 10.0 | 928.3  | 926.5  | 925.0  | 922.1  | 920.4  | 918.7  | 916.6  | 914.9  | 915.5  | 914.0  |
| 12.5 | 915.6  | 915.2  | 914.5  | 913.5  | 909.9  | 907.8  | 905.9  | 903.1  | 904.1  | 902.0  |
| 15.0 | 905.1  | 902.0  | 900.7  | 902.1  | 902.0  | 896.5  | 894.7  | 891.8  | 892.6  | 890.8  |
| 17.5 | 893.1  | 890.7  | 881.9  | 864.9  | 853.8  | 839.7  | 827.9  | 819.6  | 816.8  | 815.8  |
| 20.0 | 864.0  | 839.6  | 817.5  | 797.0  | 782.9  | 770.8  | 755.9  | 746.4  | 741.0  | 738.6  |
| 22.5 | 801.2  | 773.5  | 751.6  | 730.5  | 712.8  | 700.1  | 684.4  | 673.4  | 665.3  | 660.8  |
| 25.0 | 732.4  | 705.9  | 682.5  | 663.0  | 643.7  | 629.3  | 613.4  | 600.4  | 589.5  | 582.1  |
| 27.5 | 660.7  | 632.4  | 611.7  | 593.3  | 574.0  | 558.5  | 542.6  | 527.2  | 513.8  | 503.3  |
| 30.0 | 585.7  | 555.5  | 536.9  | 522.1  | 505.5  | 488.6  | 471.4  | 454.2  | 438.0  | 424.7  |
| 32.5 | 508.9  | 476.6  | 457.5  | 447.9  | 434.6  | 418.6  | 400.9  | 384.5  | 369.9  | 358.2  |
| 35.0 | 431.0  | 395.6  | 381.4  | 375.3  | 362.9  | 345.9  | 330.3  | 314.7  | 301.8  | 292.4  |
| 37.5 | 354.8  | 331.5  | 313.6  | 303.0  | 291.7  | 273.8  | 259.1  | 244.6  | 233.7  | 226.8  |
| 40.0 | 293.0  | 271.4  | 249.0  | 233.4  | 220.0  | 202.8  | 187.4  | 174.4  | 165.6  | 161.3  |
| 42.5 | 232.0  | 212.3  | 186.7  | 166.2  | 149.5  | 131.4  | 115.5  | 104.0  | 97.51  | 96.08  |
| 45.0 | 175.5  | 154.2  | 126.8  | 101.6  | 80.08  | 59.63  | 43.42  | 33.25  | 29.42  | 31.22  |
| 47.5 | 123.3  | 97.75  | 68.14  | 39.15  | 29.94  | 28.14  | 26.61  | 25.42  | 24.56  | 23.86  |
| 50.0 | 75.38  | 44.38  | 29.20  | 26.79  | 24.72  | 22.96  | 21.55  | 20.46  | 19.70  | 19.15  |
| 52.5 | 30.69  | 26.77  | 23.95  | 21.52  | 19.50  | 17.76  | 16.46  | 15.48  | 14.84  | 14.45  |
| 55.0 | 24.74  | 21.53  | 18.69  | 16.21  | 14.22  | 12.57  | 11.35  | 10.49  | 9.986  | 9.771  |
| 57.5 | 19.52  | 16.29  | 13.35  | 10.88  | 8.900  | 7.362  | 6.211  | 5.485  | 5.128  | 5.106  |
| 60.0 | 14.35  | 10.97  | 8.036  | 5.552  | 3.576  | 2.103  | 1.059  | 0.4674 | 0.2704 | 0.4464 |
| 62.5 | 9.110  | 5.689  | 2.707  | 0.4625 | 0.3328 | 0.3054 | 0.2866 | 0.2878 | 0.2822 | 0.2818 |
| 65.0 | 3.863  | 1.036  | 0.6863 | 0.4586 | 0.3372 | 0.3138 | 0.2977 | 0.2984 | 0.2941 | 0.2937 |
| 67.5 | 1.373  | 0.9366 | 0.6381 | 0.4457 | 0.3427 | 0.3214 | 0.3090 | 0.3091 | 0.3059 | 0.3056 |
| 70.0 | 1.188  | 0.8237 | 0.5761 | 0.4259 | 0.3452 | 0.3281 | 0.3199 | 0.3198 | 0.3178 | 0.3174 |
| 72.5 | 0.9727 | 0.6872 | 0.5051 | 0.3980 | 0.3451 | 0.3342 | 0.3304 | 0.3306 | 0.3296 | 0.3293 |
| 75.0 | 0.7256 | 0.5292 | 0.4181 | 0.3630 | 0.3428 | 0.3403 | 0.3406 | 0.3413 | 0.3415 | 0.3412 |
| 77.5 | 0.4481 | 0.3505 | 0.2977 | 0.2558 | 0.2237 | 0.1999 | 0.1835 | 0.1739 | 0.1707 | 0.1739 |
| 80.0 | 0.2023 | 0.1467 | 0.1030 | 0.0690 | 0.0429 | 0.0236 | 0.0103 | 0.0026 | 0      | 0.0026 |
| 82.5 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 85.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:



Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 87.5 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 90.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| G/C  | 100.0  | 105.0  | 110.0  | 115.0  | 120.0  | 125.0  | 130.0  | 135.0  | 140.0  | 145.0  |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  |
| 2.5  | 950.0  | 950.1  | 950.4  | 950.7  | 951.0  | 951.4  | 951.9  | 952.4  | 953.0  | 953.6  |
| 5.0  | 938.1  | 938.4  | 939.0  | 939.4  | 939.0  | 938.8  | 939.8  | 941.5  | 943.3  | 944.8  |
| 7.5  | 926.4  | 927.5  | 926.1  | 925.7  | 928.1  | 929.5  | 930.3  | 931.2  | 932.4  | 933.9  |
| 10.0 | 915.4  | 913.8  | 913.8  | 916.4  | 916.9  | 916.2  | 916.9  | 918.3  | 919.7  | 921.6  |
| 12.5 | 903.9  | 900.7  | 904.2  | 903.6  | 901.8  | 903.2  | 904.0  | 904.6  | 905.6  | 907.7  |
| 15.0 | 889.9  | 891.5  | 892.0  | 888.2  | 889.5  | 888.8  | 887.6  | 889.2  | 889.7  | 890.2  |
| 17.5 | 816.1  | 827.3  | 834.0  | 849.9  | 866.5  | 870.6  | 872.9  | 869.3  | 873.6  | 876.8  |
| 20.0 | 739.5  | 747.7  | 755.9  | 769.2  | 783.4  | 807.3  | 835.2  | 856.3  | 857.6  | 859.5  |
| 22.5 | 661.5  | 665.2  | 674.8  | 683.5  | 699.9  | 721.9  | 757.2  | 796.1  | 840.8  | 840.6  |
| 25.0 | 581.7  | 583.6  | 589.5  | 594.6  | 607.9  | 638.0  | 672.1  | 714.0  | 758.2  | 818.8  |
| 27.5 | 500.7  | 502.2  | 500.7  | 502.1  | 519.8  | 548.3  | 581.3  | 619.7  | 674.3  | 726.2  |
| 30.0 | 419.0  | 417.3  | 409.1  | 408.0  | 428.2  | 451.9  | 481.7  | 528.4  | 574.1  | 617.3  |
| 32.5 | 351.5  | 345.1  | 325.5  | 314.2  | 331.9  | 349.9  | 384.3  | 426.4  | 462.9  | 507.0  |
| 35.0 | 287.3  | 281.2  | 265.2  | 261.7  | 254.2  | 243.7  | 281.5  | 314.8  | 351.4  | 401.4  |
| 37.5 | 224.0  | 219.5  | 209.8  | 210.7  | 202.4  | 195.5  | 186.5  | 200.3  | 250.2  | 287.9  |
| 40.0 | 161.5  | 160.0  | 157.3  | 161.1  | 155.5  | 154.7  | 137.8  | 119.7  | 150.7  | 196.2  |
| 42.5 | 99.58  | 102.7  | 107.1  | 113.3  | 114.8  | 116.0  | 99.40  | 90.96  | 76.90  | 129.6  |
| 45.0 | 38.14  | 47.49  | 58.79  | 69.22  | 77.55  | 79.83  | 73.28  | 65.97  | 62.14  | 69.85  |
| 47.5 | 23.65  | 23.57  | 23.98  | 28.88  | 43.36  | 49.39  | 51.65  | 48.16  | 51.65  | 56.49  |
| 50.0 | 19.09  | 19.17  | 19.67  | 20.45  | 21.48  | 27.01  | 33.92  | 36.67  | 42.07  | 47.27  |
| 52.5 | 14.54  | 14.79  | 15.41  | 16.30  | 17.43  | 18.85  | 20.66  | 27.06  | 33.05  | 38.52  |
| 55.0 | 9.989  | 10.41  | 11.17  | 12.18  | 13.43  | 14.99  | 16.74  | 18.66  | 24.70  | 30.49  |
| 57.5 | 5.455  | 6.054  | 6.963  | 8.097  | 9.509  | 11.07  | 12.99  | 14.98  | 17.22  | 23.13  |
| 60.0 | 0.9499 | 1.736  | 2.790  | 4.076  | 5.604  | 7.311  | 9.243  | 11.35  | 13.64  | 16.30  |
| 62.5 | 0.2805 | 0.2783 | 0.2752 | 0.2710 | 0.2710 | 3.552  | 5.574  | 7.775  | 10.13  | 12.61  |
| 65.0 | 0.2925 | 0.2904 | 0.2875 | 0.2835 | 0.2784 | 0.2720 | 1.925  | 4.211  | 6.654  | 9.228  |
| 67.5 | 0.3044 | 0.3025 | 0.2998 | 0.2961 | 0.2914 | 0.2854 | 0.2779 | 0.6920 | 3.219  | 5.845  |
| 70.0 | 0.3164 | 0.3147 | 0.3122 | 0.3089 | 0.3045 | 0.2990 | 0.2921 | 0.2950 | 0.3005 | 2.514  |
| 72.5 | 0.3284 | 0.3269 | 0.3247 | 0.3217 | 0.3178 | 0.3128 | 0.3065 | 0.3089 | 0.3147 | 0.3153 |
| 75.0 | 0.3404 | 0.3391 | 0.3372 | 0.3345 | 0.3311 | 0.3267 | 0.3212 | 0.3224 | 0.3260 | 0.3224 |
| 77.5 | 0.1835 | 0.1999 | 0.2237 | 0.2558 | 0.2977 | 0.3408 | 0.3361 | 0.3335 | 0.3338 | 0.3299 |
| 80.0 | 0.0103 | 0.0236 | 0.0429 | 0.0690 | 0.1030 | 0.1467 | 0.2023 | 0.2733 | 0.3408 | 0.3375 |
| 82.5 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.0373 | 0.1076 | 0.1999 |
| 85.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 87.5 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 90.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| G/C  | 150.0  | 155.0  | 160.0  | 165.0  | 170.0  | 175.0  | 180.0  | 185.0  | 190.0  | 195.0  |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  |
| 2.5  | 954.1  | 954.8  | 955.5  | 956.3  | 957.2  | 958.1  | 959.1  | 959.5  | 959.9  | 960.4  |
| 5.0  | 946.0  | 947.3  | 948.8  | 950.3  | 952.0  | 953.9  | 955.8  | 956.4  | 957.1  | 958.0  |
| 7.5  | 935.5  | 937.3  | 939.4  | 941.8  | 944.4  | 947.2  | 950.2  | 951.2  | 952.4  | 953.6  |
| 10.0 | 923.9  | 926.7  | 929.9  | 933.5  | 937.5  | 941.8  | 946.4  | 947.7  | 949.1  | 950.6  |
| 12.5 | 910.9  | 913.3  | 916.4  | 920.6  | 925.6  | 930.9  | 936.6  | 938.3  | 940.4  | 942.8  |
| 15.0 | 894.5  | 898.8  | 903.5  | 908.4  | 913.9  | 920.0  | 926.6  | 928.6  | 931.1  | 934.0  |
| 17.5 | 879.9  | 883.5  | 888.4  | 893.9  | 900.3  | 907.6  | 915.5  | 917.6  | 920.3  | 923.8  |
| 20.0 | 863.5  | 867.5  | 869.0  | 875.5  | 884.7  | 894.1  | 903.9  | 906.5  | 909.5  | 913.0  |
| 22.5 | 840.5  | 846.5  | 849.1  | 853.9  | 861.2  | 871.5  | 884.5  | 888.5  | 893.8  | 900.5  |
| 25.0 | 813.5  | 808.6  | 807.7  | 814.6  | 827.7  | 845.4  | 866.1  | 870.7  | 876.6  | 883.8  |
| 27.5 | 761.5  | 756.0  | 757.4  | 768.8  | 788.0  | 813.5  | 843.8  | 849.0  | 855.5  | 865.5  |
| 30.0 | 667.5  | 693.9  | 695.2  | 708.8  | 732.8  | 771.5  | 819.4  | 825.3  | 834.0  | 845.9  |
| 32.5 | 559.1  | 602.3  | 594.2  | 622.2  | 670.9  | 729.4  | 793.1  | 800.8  | 811.6  | 822.9  |
| 35.0 | 433.5  | 466.8  | 512.9  | 561.3  | 612.0  | 668.8  | 735.0  | 752.4  | 775.3  | 797.8  |
| 37.5 | 328.0  | 388.1  | 440.1  | 479.8  | 532.3  | 592.9  | 663.8  | 693.3  | 727.9  | 761.1  |
| 40.0 | 258.2  | 309.3  | 352.3  | 387.6  | 433.7  | 497.9  | 580.2  | 616.4  | 664.7  | 721.2  |
| 42.5 | 188.9  | 234.3  | 251.0  | 265.0  | 326.5  | 397.0  | 476.0  | 528.2  | 591.0  | 656.5  |
| 45.0 | 128.6  | 156.2  | 168.3  | 196.8  | 260.2  | 329.1  | 405.3  | 455.8  | 520.9  | 599.7  |
| 47.5 | 77.61  | 105.7  | 131.5  | 150.5  | 190.8  | 235.3  | 292.9  | 356.7  | 437.3  | 521.6  |
| 50.0 | 51.99  | 77.31  | 97.31  | 89.55  | 113.0  | 153.8  | 195.8  | 257.2  | 339.3  | 423.4  |
| 52.5 | 43.57  | 53.93  | 61.07  | 69.49  | 90.83  | 130.5  | 169.2  | 204.3  | 262.9  | 327.7  |
| 55.0 | 35.90  | 41.25  | 50.12  | 59.48  | 71.23  | 84.64  | 95.42  | 140.3  | 190.3  | 241.0  |
| 57.5 | 28.85  | 34.54  | 41.49  | 50.52  | 59.21  | 69.31  | 81.35  | 104.5  | 154.1  | 182.1  |
| 60.0 | 22.33  | 28.12  | 34.25  | 42.46  | 50.47  | 59.77  | 70.78  | 82.03  | 96.88  | 138.4  |
| 62.5 | 16.16  | 22.03  | 28.22  | 35.37  | 43.14  | 51.61  | 61.42  | 71.80  | 83.95  | 96.69  |
| 65.0 | 11.74  | 16.13  | 22.27  | 29.11  | 36.60  | 44.65  | 53.68  | 63.17  | 73.67  | 86.05  |
| 67.5 | 8.403  | 10.66  | 16.29  | 23.04  | 30.37  | 38.26  | 46.79  | 55.65  | 65.06  | 76.20  |
| 70.0 | 5.136  | 7.421  | 10.22  | 16.92  | 24.33  | 32.30  | 40.58  | 49.43  | 58.02  | 67.72  |
| 72.5 | 2.007  | 4.396  | 5.790  | 11.08  | 18.32  | 26.37  | 34.49  | 43.38  | 51.94  | 61.03  |
| 75.0 | 0.3165 | 1.638  | 3.356  | 5.628  | 12.38  | 19.79  | 28.23  | 37.01  | 45.78  | 55.40  |
| 77.5 | 0.3276 | 0.3234 | 1.334  | 3.035  | 6.702  | 12.97  | 21.84  | 30.46  | 39.58  | 48.99  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|      |        |        |        |        |        |        |        |       |       |       |
|------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 80.0 | 0.3363 | 0.3313 | 0.3298 | 1.259  | 2.187  | 7.023  | 14.82  | 23.86 | 33.61 | 42.57 |
| 82.5 | 0.3245 | 0.3393 | 0.3357 | 0.3301 | 0.7760 | 2.877  | 7.504  | 16.90 | 26.43 | 35.93 |
| 85.0 | 0      | 0.1158 | 0.2970 | 0.3380 | 0.3288 | 0.3034 | 3.528  | 9.213 | 19.28 | 29.04 |
| 87.5 | 0      | 0      | 0      | 0      | 0.2751 | 0.3272 | 0.3152 | 4.904 | 9.976 | 0     |
| 90.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0.1979 | 0     | 0     | 0     |
| G/C  | 200.0  | 205.0  | 210.0  | 215.0  | 220.0  | 225.0  | 230.0  | 235.0 | 240.0 | 245.0 |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5 | 961.5 | 961.5 |
| 2.5  | 960.9  | 961.4  | 961.9  | 962.5  | 963.0  | 963.5  | 963.9  | 964.3 | 964.7 | 965.1 |
| 5.0  | 958.9  | 959.9  | 961.0  | 962.3  | 963.1  | 963.7  | 964.3  | 965.1 | 966.4 | 967.6 |
| 7.5  | 954.9  | 956.7  | 958.7  | 960.8  | 962.1  | 962.9  | 964.3  | 966.6 | 968.3 | 969.1 |
| 10.0 | 952.2  | 953.9  | 955.7  | 957.5  | 959.4  | 961.2  | 964.3  | 966.6 | 967.7 | 971.3 |
| 12.5 | 945.4  | 948.6  | 952.2  | 955.8  | 958.6  | 961.0  | 963.6  | 965.5 | 969.2 | 971.1 |
| 15.0 | 937.4  | 941.1  | 945.3  | 949.0  | 954.3  | 959.8  | 963.5  | 966.6 | 969.2 | 972.7 |
| 17.5 | 928.7  | 933.9  | 937.9  | 943.0  | 949.0  | 953.9  | 961.8  | 967.0 | 969.6 | 970.2 |
| 20.0 | 917.7  | 923.5  | 929.2  | 937.2  | 943.1  | 949.5  | 954.9  | 958.9 | 962.1 | 964.2 |
| 22.5 | 908.4  | 915.6  | 921.8  | 928.2  | 935.7  | 941.0  | 943.3  | 947.5 | 953.3 | 956.3 |
| 25.0 | 892.3  | 901.8  | 912.3  | 922.5  | 924.1  | 926.8  | 932.7  | 936.8 | 941.3 | 948.2 |
| 27.5 | 877.2  | 888.8  | 900.4  | 905.9  | 911.2  | 914.9  | 919.4  | 925.8 | 932.1 | 938.6 |
| 30.0 | 860.2  | 871.5  | 883.3  | 889.0  | 894.9  | 902.3  | 907.6  | 914.2 | 921.8 | 928.6 |
| 32.5 | 836.6  | 855.0  | 861.9  | 869.2  | 878.5  | 886.7  | 896.1  | 903.8 | 911.0 | 919.5 |
| 35.0 | 816.6  | 828.8  | 836.6  | 848.8  | 858.9  | 871.2  | 881.4  | 891.0 | 895.3 | 902.0 |
| 37.5 | 792.8  | 803.6  | 813.8  | 824.6  | 839.3  | 853.4  | 866.2  | 871.0 | 876.4 | 882.4 |
| 40.0 | 762.1  | 774.1  | 789.0  | 803.1  | 817.9  | 833.0  | 841.9  | 848.4 | 855.4 | 862.6 |
| 42.5 | 704.5  | 741.7  | 759.7  | 779.1  | 795.6  | 803.6  | 815.6  | 827.5 | 834.6 | 842.4 |
| 45.0 | 641.3  | 682.6  | 729.3  | 753.9  | 760.8  | 774.8  | 790.5  | 804.4 | 812.9 | 823.2 |
| 47.5 | 578.0  | 625.0  | 681.4  | 709.2  | 724.1  | 743.9  | 760.7  | 781.6 | 791.9 | 804.7 |
| 50.0 | 491.9  | 570.8  | 617.4  | 656.5  | 679.2  | 705.2  | 733.0  | 754.9 | 763.6 | 764.9 |
| 52.5 | 398.1  | 492.4  | 552.0  | 588.8  | 626.0  | 665.4  | 705.5  | 710.1 | 716.4 | 721.4 |
| 55.0 | 313.8  | 396.4  | 462.8  | 523.6  | 568.2  | 617.2  | 638.5  | 651.5 | 666.4 | 676.7 |
| 57.5 | 240.4  | 304.5  | 376.8  | 443.5  | 512.9  | 540.5  | 569.6  | 593.4 | 615.2 | 630.6 |
| 60.0 | 180.5  | 233.6  | 297.0  | 361.8  | 434.5  | 461.7  | 501.4  | 531.6 | 560.7 | 585.8 |
| 62.5 | 137.9  | 174.9  | 230.6  | 295.9  | 350.1  | 387.7  | 431.9  | 470.8 | 506.4 | 539.7 |
| 65.0 | 99.99  | 135.3  | 176.7  | 229.2  | 275.7  | 318.2  | 361.8  | 408.3 | 444.6 | 467.7 |
| 67.5 | 87.41  | 102.4  | 137.0  | 175.7  | 213.2  | 248.2  | 299.1  | 345.3 | 377.5 | 397.3 |
| 70.0 | 78.70  | 90.38  | 112.6  | 131.2  | 161.0  | 204.9  | 247.4  | 285.7 | 312.4 | 329.0 |
| 72.5 | 71.00  | 81.09  | 93.52  | 104.8  | 135.4  | 170.2  | 201.7  | 230.0 | 249.0 | 261.6 |
| 75.0 | 64.08  | 73.76  | 83.43  | 95.24  | 116.6  | 140.4  | 160.8  | 177.5 | 187.7 | 194.9 |
| 77.5 | 58.09  | 66.93  | 76.54  | 86.79  | 101.0  | 114.9  | 123.3  | 127.5 | 123.0 | 118.8 |
| 80.0 | 51.84  | 60.74  | 70.26  | 79.62  | 87.90  | 78.39  | 65.05  | 53.38 | 42.23 | 31.84 |
| 82.5 | 45.27  | 54.83  | 61.54  | 44.38  | 27.04  | 10.61  | 0      | 0     | 0     | 0     |
| 85.0 | 34.54  | 17.57  | 0      | 0      | 0      | 0      | 0      | 0     | 0     | 0     |
| 87.5 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0     | 0     | 0     |
| 90.0 | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0     | 0     | 0     |
| G/C  | 250.0  | 255.0  | 260.0  | 265.0  | 270.0  | 275.0  | 280.0  | 285.0 | 290.0 | 295.0 |
| 0.0  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5  | 961.5 | 961.5 | 961.5 |
| 2.5  | 965.4  | 965.5  | 965.7  | 965.8  | 965.9  | 966.0  | 966.1  | 966.2 | 966.2 | 966.2 |
| 5.0  | 968.4  | 969.0  | 969.6  | 969.9  | 970.2  | 970.6  | 970.8  | 970.8 | 970.6 | 970.6 |
| 7.5  | 970.7  | 972.5  | 973.2  | 973.9  | 974.6  | 975.2  | 975.3  | 975.1 | 976.1 | 976.6 |
| 10.0 | 973.1  | 975.1  | 977.0  | 977.7  | 979.0  | 979.8  | 979.7  | 980.6 | 981.0 | 980.0 |
| 12.5 | 975.2  | 977.7  | 980.7  | 981.5  | 983.3  | 984.4  | 984.4  | 985.6 | 984.9 | 983.2 |
| 15.0 | 975.0  | 980.7  | 983.6  | 985.6  | 987.7  | 988.8  | 989.4  | 990.0 | 988.6 | 987.4 |
| 17.5 | 972.6  | 975.1  | 977.9  | 980.3  | 982.1  | 983.6  | 985.5  | 986.3 | 986.6 | 987.5 |
| 20.0 | 965.7  | 967.8  | 972.1  | 974.8  | 976.4  | 978.0  | 980.1  | 980.6 | 980.9 | 981.6 |
| 22.5 | 959.7  | 962.5  | 966.6  | 969.3  | 970.8  | 972.5  | 974.7  | 974.8 | 974.9 | 975.1 |
| 25.0 | 953.1  | 956.6  | 960.6  | 963.5  | 965.2  | 967.2  | 969.1  | 968.8 | 968.9 | 967.5 |
| 27.5 | 944.5  | 950.3  | 954.3  | 957.6  | 959.6  | 962.0  | 963.5  | 962.7 | 963.0 | 960.4 |
| 30.0 | 936.8  | 944.5  | 948.1  | 951.7  | 954.0  | 956.9  | 958.1  | 956.6 | 955.8 | 953.2 |
| 32.5 | 924.6  | 931.5  | 933.8  | 936.4  | 938.6  | 942.3  | 944.5  | 944.6 | 945.7 | 946.5 |
| 35.0 | 906.5  | 913.1  | 918.1  | 920.8  | 923.3  | 927.5  | 929.9  | 929.5 | 929.3 | 928.8 |
| 37.5 | 889.3  | 895.1  | 902.3  | 905.4  | 908.0  | 912.6  | 915.5  | 913.4 | 912.6 | 911.8 |
| 40.0 | 872.0  | 878.3  | 885.1  | 889.9  | 892.6  | 897.3  | 900.5  | 896.8 | 895.7 | 895.2 |
| 42.5 | 854.6  | 861.5  | 867.6  | 874.2  | 877.3  | 882.1  | 885.5  | 880.2 | 878.7 | 877.8 |
| 45.0 | 836.9  | 843.7  | 849.9  | 858.3  | 862.0  | 866.9  | 870.3  | 863.9 | 862.1 | 861.1 |
| 47.5 | 812.5  | 816.2  | 822.1  | 829.7  | 834.5  | 839.3  | 843.8  | 841.1 | 842.5 | 845.7 |
| 50.0 | 773.5  | 783.1  | 791.4  | 800.6  | 807.0  | 811.2  | 815.3  | 814.6 | 814.6 | 815.6 |
| 52.5 | 733.5  | 749.0  | 760.3  | 771.6  | 779.5  | 783.1  | 787.2  | 788.2 | 786.4 | 783.4 |
| 55.0 | 693.5  | 713.7  | 728.4  | 742.4  | 752.0  | 755.1  | 759.0  | 761.3 | 756.7 | 750.9 |
| 57.5 | 653.5  | 677.9  | 696.3  | 713.1  | 724.5  | 727.0  | 731.1  | 734.1 | 725.8 | 718.3 |
| 60.0 | 613.0  | 641.6  | 663.9  | 683.7  | 697.0  | 698.9  | 703.6  | 707.0 | 695.2 | 684.8 |
| 62.5 | 558.9  | 579.5  | 594.9  | 609.4  | 620.9  | 626.0  | 636.2  | 646.9 | 647.0 | 648.7 |
| 65.0 | 485.8  | 504.8  | 519.6  | 533.5  | 544.8  | 551.3  | 561.3  | 570.3 | 571.7 | 574.3 |
| 67.5 | 413.6  | 430.7  | 444.7  | 457.8  | 468.7  | 476.6  | 486.1  | 494.0 | 496.2 | 499.9 |
| 70.0 | 342.2  | 357.1  | 369.7  | 382.1  | 392.6  | 402.0  | 411.0  | 417.9 | 421.0 | 425.7 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

|      |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72.5 | 271.7 | 284.0 | 294.5 | 306.5 | 316.5 | 327.4 | 336.0 | 342.0 | 345.9 | 351.6 |
| 75.0 | 201.8 | 211.1 | 219.4 | 231.0 | 240.4 | 252.8 | 261.1 | 266.1 | 271.4 | 277.4 |
| 77.5 | 116.1 | 115.0 | 114.1 | 116.7 | 120.2 | 128.0 | 136.8 | 147.0 | 160.8 | 177.6 |
| 80.0 | 22.17 | 13.53 | 6.408 | 1.714 | 0     | 1.882 | 7.691 | 17.33 | 30.79 | 47.78 |
| 82.5 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 85.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 87.5 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 90.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| G/C  | 300.0 | 305.0 | 310.0 | 315.0 | 320.0 | 325.0 | 330.0 | 335.0 | 340.0 | 345.0 |
| 0.0  | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 | 961.5 |
| 2.5  | 966.0 | 965.8 | 965.6 | 965.4 | 965.1 | 965.0 | 965.0 | 964.9 | 964.8 | 964.6 |
| 5.0  | 971.2 | 971.8 | 971.5 | 970.7 | 969.9 | 968.9 | 967.8 | 966.6 | 965.5 | 964.5 |
| 7.5  | 975.8 | 974.5 | 972.9 | 971.7 | 970.7 | 970.0 | 969.8 | 969.5 | 968.9 | 967.6 |
| 10.0 | 978.2 | 977.2 | 976.7 | 976.5 | 974.9 | 972.9 | 970.1 | 967.5 | 966.4 | 965.3 |
| 12.5 | 982.3 | 981.8 | 980.1 | 977.0 | 974.9 | 973.1 | 970.8 | 968.0 | 964.9 | 962.3 |
| 15.0 | 986.3 | 984.1 | 981.2 | 977.9 | 974.0 | 970.6 | 968.7 | 965.2 | 961.8 | 958.7 |
| 17.5 | 988.3 | 985.5 | 980.4 | 976.4 | 973.2 | 968.8 | 964.5 | 959.9 | 956.3 | 952.7 |
| 20.0 | 980.9 | 978.6 | 978.3 | 975.9 | 970.4 | 964.5 | 960.3 | 954.4 | 949.0 | 943.9 |
| 22.5 | 972.7 | 971.5 | 970.3 | 967.7 | 968.4 | 960.2 | 952.8 | 945.7 | 940.5 | 935.2 |
| 25.0 | 965.2 | 963.6 | 960.4 | 959.8 | 956.7 | 952.9 | 945.5 | 938.0 | 930.8 | 924.3 |
| 27.5 | 958.2 | 954.8 | 952.8 | 949.1 | 944.3 | 942.1 | 938.3 | 929.7 | 922.5 | 915.1 |
| 30.0 | 949.9 | 946.5 | 943.1 | 937.6 | 933.4 | 930.4 | 928.2 | 921.0 | 910.1 | 902.6 |
| 32.5 | 941.6 | 938.6 | 933.2 | 927.3 | 922.0 | 918.3 | 912.1 | 910.2 | 897.9 | 887.7 |
| 35.0 | 928.8 | 929.8 | 923.0 | 916.3 | 909.9 | 902.2 | 896.4 | 892.5 | 884.5 | 871.0 |
| 37.5 | 912.5 | 911.8 | 910.3 | 903.4 | 895.5 | 886.3 | 878.9 | 872.9 | 863.2 | 851.1 |
| 40.0 | 895.1 | 892.9 | 890.5 | 889.0 | 880.0 | 868.9 | 858.9 | 849.8 | 846.5 | 832.2 |
| 42.5 | 876.8 | 874.1 | 869.9 | 866.2 | 860.7 | 849.9 | 839.0 | 830.6 | 821.8 | 807.1 |
| 45.0 | 858.0 | 855.2 | 849.6 | 843.2 | 837.1 | 831.6 | 820.2 | 808.4 | 795.3 | 781.3 |
| 47.5 | 840.0 | 834.5 | 827.2 | 819.9 | 812.5 | 808.0 | 801.7 | 785.0 | 768.2 | 744.8 |
| 50.0 | 817.1 | 814.4 | 805.1 | 797.3 | 789.1 | 781.8 | 778.0 | 759.5 | 725.1 | 691.0 |
| 52.5 | 783.8 | 783.5 | 784.3 | 775.2 | 763.4 | 752.2 | 741.0 | 717.9 | 676.5 | 636.6 |
| 55.0 | 749.5 | 747.0 | 747.2 | 750.5 | 735.1 | 718.7 | 694.4 | 671.9 | 623.2 | 570.2 |
| 57.5 | 714.5 | 708.6 | 706.4 | 702.6 | 702.3 | 676.4 | 639.8 | 606.1 | 565.8 | 484.8 |
| 60.0 | 679.2 | 673.4 | 662.9 | 651.1 | 642.8 | 626.9 | 583.1 | 537.3 | 485.7 | 390.0 |
| 62.5 | 644.1 | 636.2 | 616.8 | 596.8 | 575.6 | 552.4 | 520.5 | 448.2 | 379.8 | 308.4 |
| 65.0 | 584.0 | 593.0 | 567.8 | 539.6 | 506.2 | 468.1 | 440.5 | 357.5 | 294.5 | 234.9 |
| 67.5 | 508.3 | 515.2 | 500.8 | 475.0 | 437.1 | 386.3 | 342.3 | 286.3 | 220.6 | 183.2 |
| 70.0 | 432.2 | 435.5 | 422.0 | 397.2 | 364.3 | 310.6 | 259.3 | 212.8 | 166.3 | 125.6 |
| 72.5 | 355.3 | 356.7 | 345.7 | 323.2 | 288.8 | 245.4 | 192.9 | 161.3 | 123.7 | 94.15 |
| 75.0 | 278.8 | 278.7 | 271.8 | 253.3 | 224.1 | 196.0 | 148.2 | 119.6 | 96.24 | 79.05 |
| 77.5 | 191.6 | 201.8 | 199.6 | 186.7 | 170.0 | 150.3 | 121.2 | 94.29 | 81.05 | 69.65 |
| 80.0 | 66.05 | 84.32 | 102.3 | 112.4 | 122.2 | 113.0 | 99.64 | 83.26 | 72.06 | 62.31 |
| 82.5 | 0     | 0     | 0     | 15.16 | 36.65 | 56.33 | 78.69 | 74.31 | 64.90 | 56.04 |
| 85.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 23.82 | 51.41 | 49.54 |
| 87.5 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| 90.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| G/C  | 350.0 | 355.0 |       |       |       |       |       |       |       |       |
| 0.0  | 961.5 | 961.5 |       |       |       |       |       |       |       |       |
| 2.5  | 964.4 | 964.1 |       |       |       |       |       |       |       |       |
| 5.0  | 963.5 | 962.5 |       |       |       |       |       |       |       |       |
| 7.5  | 966.4 | 965.2 |       |       |       |       |       |       |       |       |
| 10.0 | 964.1 | 962.9 |       |       |       |       |       |       |       |       |
| 12.5 | 960.8 | 959.2 |       |       |       |       |       |       |       |       |
| 15.0 | 956.0 | 953.5 |       |       |       |       |       |       |       |       |
| 17.5 | 949.1 | 946.0 |       |       |       |       |       |       |       |       |
| 20.0 | 939.3 | 935.6 |       |       |       |       |       |       |       |       |
| 22.5 | 930.1 | 926.0 |       |       |       |       |       |       |       |       |
| 25.0 | 918.6 | 914.0 |       |       |       |       |       |       |       |       |
| 27.5 | 908.7 | 903.1 |       |       |       |       |       |       |       |       |
| 30.0 | 894.2 | 887.4 |       |       |       |       |       |       |       |       |
| 32.5 | 878.3 | 870.8 |       |       |       |       |       |       |       |       |
| 35.0 | 859.2 | 851.0 |       |       |       |       |       |       |       |       |
| 37.5 | 840.6 | 830.6 |       |       |       |       |       |       |       |       |
| 40.0 | 816.4 | 802.6 |       |       |       |       |       |       |       |       |
| 42.5 | 782.7 | 758.0 |       |       |       |       |       |       |       |       |
| 45.0 | 747.8 | 714.7 |       |       |       |       |       |       |       |       |
| 47.5 | 701.7 | 657.3 |       |       |       |       |       |       |       |       |
| 50.0 | 641.6 | 589.7 |       |       |       |       |       |       |       |       |
| 52.5 | 583.6 | 509.0 |       |       |       |       |       |       |       |       |
| 55.0 | 505.4 | 415.8 |       |       |       |       |       |       |       |       |
| 57.5 | 415.6 | 326.4 |       |       |       |       |       |       |       |       |
| 60.0 | 319.6 | 248.1 |       |       |       |       |       |       |       |       |
| 62.5 | 239.0 | 191.6 |       |       |       |       |       |       |       |       |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 27.3DEG  
 Operators: QC  
 Test Date: 2022-08-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 10.382m [K=1.0000]  
 Remarks:

## Photometric Data Table [cd]

|      |       |       |
|------|-------|-------|
| 65.0 | 186.8 | 134.6 |
| 67.5 | 129.0 | 94.59 |
| 70.0 | 93.11 | 76.26 |
| 72.5 | 78.19 | 65.22 |
| 75.0 | 67.54 | 56.98 |
| 77.5 | 59.49 | 50.04 |
| 80.0 | 53.16 | 44.12 |
| 82.5 | 46.80 | 37.99 |
| 85.0 | 40.75 | 31.59 |
| 87.5 | 28.42 | 25.11 |
| 90.0 | 0     | 0     |

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 27.3DEG  
Operators: QC  
Test Date: 2022-08-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 10.382m [K=1.0000]  
Remarks: