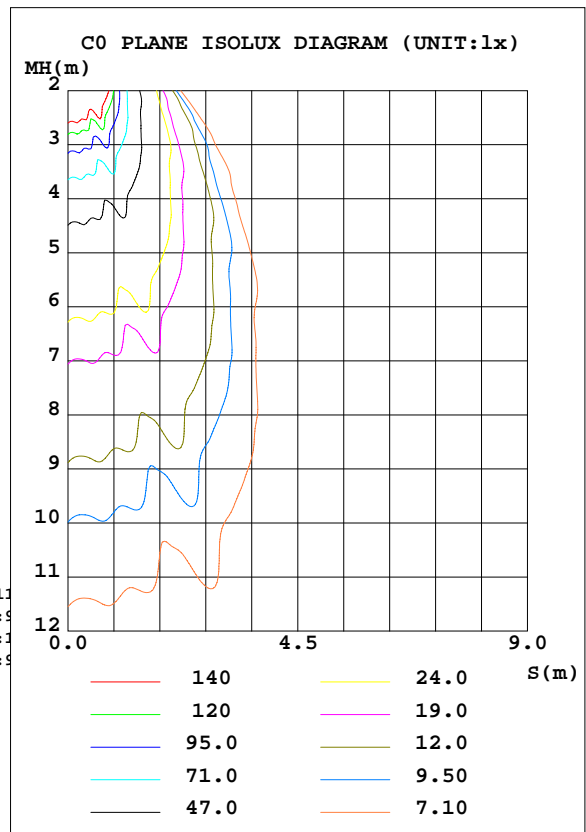
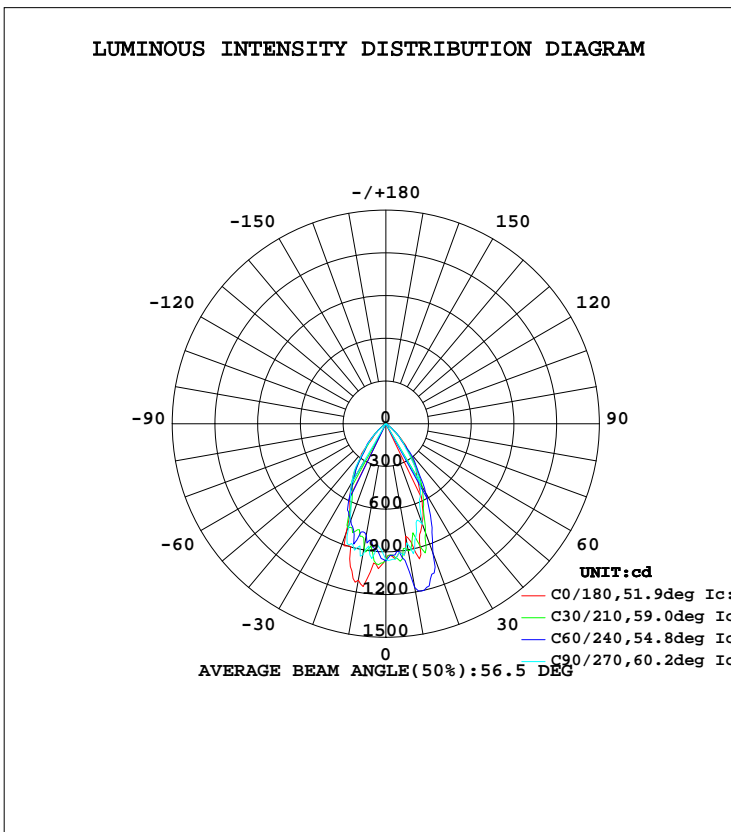


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME ASD-OLCLR-1D9CC-BK-4000K | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting corp | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 104.02 lm/W | | | |
|------------------|--------------------------|-----------------------------------|--------|--------------------|----------|
| MODEL | ASD-OLCLR-1D9CC-BK-4000K | I _{max} (cd) | 1248 | S/MH(C0/180) | 0.89 |
| NOMINAL POWER(W) | 9 | LOR(%) | 100.0 | S/MH(C90/270) | 0.87 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1002.2 | η UP, DN(C0-180) | 1.0,45.5 |
| NOMINAL FLUX(lm) | 1002.16 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 1.1,52.3 |
| LAMPS INSIDE | 1 | η up(%) | 2.2 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | η down(%) | 97.8 | CIBSE SHR MAX | 0.80 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | Φ lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------------|
| 10 | 801.4 | 948.5 | 850.3 | 748.5 | 1115 | 775.0 | 934.7 | 1075 | 0- 10 | 88.44 | 88.44 | 8.83,8.83 |
| 20 | 746.5 | 808.9 | 750.1 | 565.9 | 818.7 | 704.8 | 756.4 | 1099 | 10- 20 | 244.9 | 333.3 | 33.3,33.3 |
| 30 | 437.1 | 480.4 | 481.6 | 409.0 | 484.7 | 490.9 | 484.3 | 594.3 | 20- 30 | 282.3 | 615.6 | 61.4,61.4 |
| 40 | 233.6 | 249.0 | 208.2 | 159.9 | 237.3 | 232.4 | 230.5 | 323.0 | 30- 40 | 216.3 | 831.9 | 83,83 |
| 50 | 62.86 | 82.42 | 83.88 | 38.85 | 56.13 | 55.16 | 61.48 | 109.9 | 40- 50 | 108.0 | 940.0 | 93.8,93.8 |
| 60 | 9.515 | 10.06 | 12.67 | 14.28 | 17.43 | 14.44 | 9.281 | 11.16 | 50- 60 | 24.32 | 964.3 | 96.2,96.2 |
| 70 | 4.746 | 4.868 | 4.854 | 4.536 | 5.779 | 5.735 | 5.773 | 5.982 | 60- 70 | 7.285 | 971.6 | 96.9,96.9 |
| 80 | 3.599 | 3.708 | 3.814 | 3.477 | 4.566 | 4.546 | 4.474 | 4.970 | 70- 80 | 5.126 | 976.7 | 97.5,97.5 |
| 90 | 2.635 | 2.603 | 2.658 | 2.418 | 3.261 | 3.290 | 3.354 | 3.629 | 80- 90 | 3.901 | 980.6 | 97.8,97.8 |
| 100 | 2.361 | 2.341 | 2.330 | 2.303 | 2.819 | 2.873 | 2.927 | 3.108 | 90-100 | 3.045 | 983.6 | 98.2,98.2 |
| 110 | 2.330 | 2.349 | 2.357 | 2.480 | 2.823 | 2.827 | 2.819 | 2.838 | 100-110 | 2.752 | 986.4 | 98.4,98.4 |
| 120 | 2.615 | 2.650 | 2.738 | 2.954 | 3.224 | 3.196 | 3.120 | 2.923 | 110-120 | 2.718 | 989.1 | 98.7,98.7 |
| 130 | 3.142 | 3.240 | 3.300 | 3.540 | 3.991 | 3.851 | 3.733 | 3.385 | 120-130 | 2.873 | 992.0 | 99,99 |
| 140 | 3.804 | 3.902 | 3.985 | 4.237 | 4.696 | 4.586 | 4.465 | 4.159 | 130-140 | 2.986 | 995.0 | 99.3,99.3 |
| 150 | 4.486 | 4.507 | 4.594 | 4.591 | 5.199 | 5.168 | 5.111 | 4.856 | 140-150 | 2.835 | 997.8 | 99.6,99.6 |
| 160 | 4.972 | 4.980 | 5.014 | 4.961 | 5.461 | 5.415 | 5.512 | 5.388 | 150-160 | 2.318 | 1000 | 99.8,99.8 |
| 170 | 5.368 | 5.377 | 5.364 | 5.369 | 5.573 | 5.596 | 5.669 | 5.646 | 160-170 | 1.514 | 1002 | 99.9,99.9 |
| 180 | 5.762 | 5.700 | 5.758 | 5.673 | 5.754 | 5.700 | 5.750 | 5.669 | 170-180 | 0.5332 | 1002 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

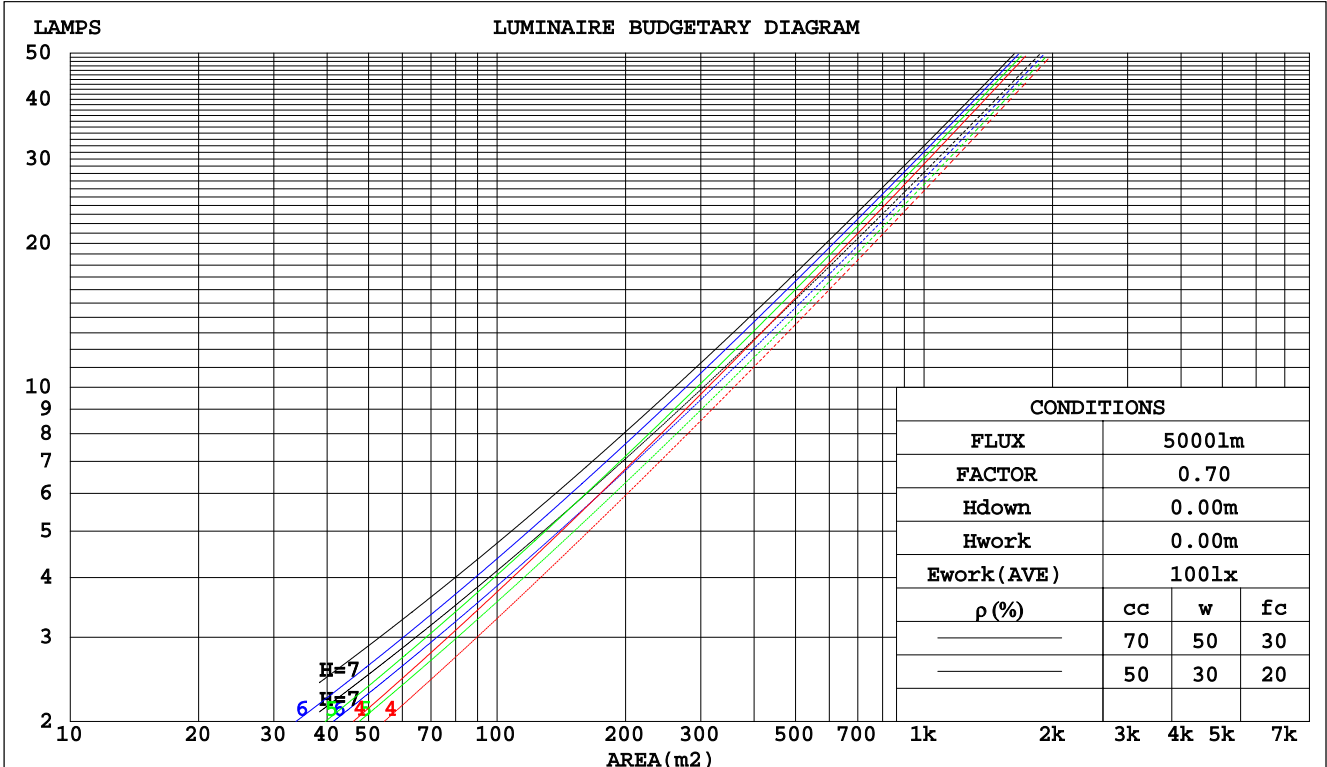
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION 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 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | .98 |
| 1.0 | 1.09 | 1.07 | 1.04 | 1.07 | 1.05 | 1.02 | 1.02 | 1.01 | .99 | .98 | .97 | .95 | .95 | .93 | .92 | .90 |
| 2.0 | 1.01 | .97 | .93 | .99 | .95 | .92 | .95 | .92 | .89 | .92 | .89 | .87 | .89 | .87 | .85 | .83 |
| 3.0 | .93 | .88 | .84 | .92 | .87 | .83 | .89 | .85 | .81 | .86 | .83 | .80 | .83 | .81 | .78 | .76 |
| 4.0 | .87 | .81 | .76 | .85 | .80 | .75 | .83 | .78 | .74 | .80 | .76 | .73 | .78 | .75 | .72 | .70 |
| 5.0 | .80 | .74 | .70 | .79 | .73 | .69 | .77 | .72 | .68 | .75 | .71 | .67 | .74 | .70 | .67 | .65 |
| 6.0 | .75 | .69 | .64 | .74 | .68 | .64 | .72 | .67 | .63 | .71 | .66 | .62 | .69 | .65 | .62 | .60 |
| 7.0 | .70 | .64 | .59 | .69 | .63 | .59 | .68 | .62 | .58 | .66 | .62 | .58 | .65 | .61 | .57 | .56 |
| 8.0 | .66 | .59 | .55 | .65 | .59 | .55 | .64 | .58 | .54 | .62 | .58 | .54 | .61 | .57 | .54 | .52 |
| 9.0 | .62 | .55 | .51 | .61 | .55 | .51 | .60 | .54 | .51 | .59 | .54 | .50 | .58 | .53 | .50 | .49 |
| 10.0 | .58 | .52 | .48 | .58 | .52 | .48 | .57 | .51 | .47 | .56 | .51 | .47 | .55 | .50 | .47 | .46 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION 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 | .195 | .111 | .035 | .188 | .107 | .034 | .174 | .100 | .032 | .161 | .093 | .030 | .149 | .087 | .028 | |
| 2.0 | .186 | .102 | .031 | .180 | .099 | .031 | .168 | .093 | .029 | .157 | .088 | .028 | .147 | .083 | .026 | |
| 3.0 | .177 | .094 | .028 | .172 | .092 | .028 | .161 | .087 | .027 | .152 | .083 | .026 | .143 | .079 | .025 | |
| 4.0 | .168 | .087 | .026 | .164 | .086 | .025 | .155 | .082 | .024 | .146 | .079 | .024 | .138 | .075 | .023 | |
| 5.0 | .160 | .082 | .024 | .156 | .080 | .023 | .148 | .077 | .023 | .141 | .074 | .022 | .134 | .071 | .021 | |
| 6.0 | .152 | .076 | .022 | .149 | .075 | .022 | .142 | .073 | .021 | .135 | .070 | .021 | .129 | .068 | .020 | |
| 7.0 | .145 | .072 | .020 | .142 | .071 | .020 | .136 | .069 | .020 | .130 | .066 | .019 | .124 | .064 | .019 | |
| 8.0 | .139 | .068 | .019 | .136 | .067 | .019 | .130 | .065 | .019 | .125 | .063 | .018 | .120 | .061 | .018 | |
| 9.0 | .132 | .064 | .018 | .130 | .063 | .018 | .125 | .062 | .017 | .120 | .060 | .017 | .115 | .058 | .017 | |
| 10.0 | .127 | .061 | .017 | .124 | .060 | .017 | .120 | .059 | .016 | .115 | .057 | .016 | .111 | .056 | .016 | |

| 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 | .207 | .207 | .207 | .177 | .177 | .177 | .121 | .121 | .121 | .069 | .069 | .069 | .022 | .022 | .022 | |
| 1.0 | .189 | .174 | .160 | .162 | .149 | .138 | .111 | .103 | .095 | .064 | .059 | .055 | .020 | .019 | .018 | |
| 2.0 | .175 | .149 | .127 | .150 | .128 | .110 | .103 | .089 | .077 | .059 | .052 | .045 | .019 | .017 | .015 | |
| 3.0 | .163 | .130 | .104 | .140 | .113 | .090 | .096 | .078 | .063 | .056 | .046 | .037 | .018 | .015 | .012 | |
| 4.0 | .154 | .116 | .087 | .132 | .100 | .076 | .091 | .070 | .053 | .052 | .041 | .032 | .017 | .013 | .010 | |
| 5.0 | .146 | .105 | .074 | .125 | .091 | .065 | .086 | .063 | .046 | .050 | .037 | .027 | .016 | .012 | .009 | |
| 6.0 | .138 | .096 | .065 | .119 | .083 | .057 | .082 | .058 | .040 | .048 | .034 | .024 | .015 | .011 | .008 | |
| 7.0 | .132 | .088 | .057 | .114 | .076 | .050 | .079 | .054 | .035 | .046 | .032 | .021 | .015 | .010 | .007 | |
| 8.0 | .127 | .082 | .052 | .109 | .071 | .045 | .075 | .050 | .032 | .044 | .030 | .019 | .014 | .010 | .006 | |
| 9.0 | .121 | .077 | .047 | .105 | .067 | .041 | .072 | .047 | .029 | .042 | .028 | .017 | .014 | .009 | .006 | |
| 10.0 | .117 | .073 | .043 | .101 | .063 | .038 | .070 | .044 | .027 | .041 | .026 | .016 | .013 | .009 | .005 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------|----------------|------|-------------------|------|------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | | | | | | | | | |
| NAME: | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: | | | | | SUR.: | | | PROTECTION 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 | 10.5 | 11.5 | 10.7 | 11.7 | 11.9 | 10.3 | 11.3 | 10.6 | 11.5 | 11.8 |
| 3H | 10.3 | 11.2 | 10.6 | 11.5 | 11.7 | 10.2 | 11.1 | 10.5 | 11.3 | 11.6 |
| 4H | 10.2 | 11.1 | 10.6 | 11.4 | 11.6 | 10.1 | 11.0 | 10.4 | 11.2 | 11.5 |
| 6H | 10.2 | 11.0 | 10.5 | 11.3 | 11.6 | 10.1 | 10.9 | 10.4 | 11.2 | 11.5 |
| 8H | 10.2 | 11.0 | 10.5 | 11.3 | 11.6 | 10.1 | 10.8 | 10.4 | 11.1 | 11.4 |
| 12H | 10.2 | 10.9 | 10.5 | 11.2 | 11.6 | 10.1 | 10.8 | 10.4 | 11.1 | 11.5 |
| 4H 2H | 10.2 | 11.1 | 10.5 | 11.3 | 11.6 | 10.1 | 10.9 | 10.4 | 11.2 | 11.5 |
| 3H | 10.1 | 10.8 | 10.4 | 11.1 | 11.5 | 9.9 | 10.7 | 10.3 | 11.0 | 11.3 |
| 4H | 10.0 | 10.7 | 10.4 | 11.0 | 11.4 | 9.9 | 10.6 | 10.3 | 10.9 | 11.3 |
| 6H | 10.0 | 10.6 | 10.4 | 11.0 | 11.4 | 9.9 | 10.5 | 10.3 | 10.8 | 11.2 |
| 8H | 10.0 | 10.6 | 10.4 | 11.0 | 11.4 | 9.9 | 10.4 | 10.3 | 10.8 | 11.3 |
| 12H | 10.1 | 10.6 | 10.5 | 11.0 | 11.4 | 10.0 | 10.5 | 10.4 | 10.9 | 11.3 |
| 8H 4H | 9.9 | 10.5 | 10.3 | 10.9 | 11.3 | 9.8 | 10.3 | 10.2 | 10.7 | 11.1 |
| 6H | 9.9 | 10.4 | 10.4 | 10.8 | 11.3 | 9.8 | 10.3 | 10.3 | 10.7 | 11.1 |
| 8H | 10.0 | 10.4 | 10.5 | 10.8 | 11.3 | 9.9 | 10.3 | 10.3 | 10.7 | 11.2 |
| 12H | 10.1 | 10.4 | 10.6 | 10.9 | 11.4 | 10.0 | 10.3 | 10.5 | 10.8 | 11.3 |
| 12H 4H | 9.9 | 10.4 | 10.3 | 10.8 | 11.2 | 9.7 | 10.2 | 10.2 | 10.6 | 11.1 |
| 6H | 9.9 | 10.3 | 10.4 | 10.8 | 11.2 | 9.8 | 10.2 | 10.3 | 10.6 | 11.1 |
| 8H | 10.0 | 10.3 | 10.5 | 10.8 | 11.3 | 9.9 | 10.2 | 10.4 | 10.7 | 11.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.4 / - 6.6 | | | | | + 2.4 / - 5.7 | | | | |
| 1.5H | + 3.4 / - 7.0 | | | | | + 3.4 / - 6.2 | | | | |
| 2.0H | + 6.3 / - 4.8 | | | | | + 5.3 / - 4.3 | | | | |

CIE Pub.117 Corrected 1002 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

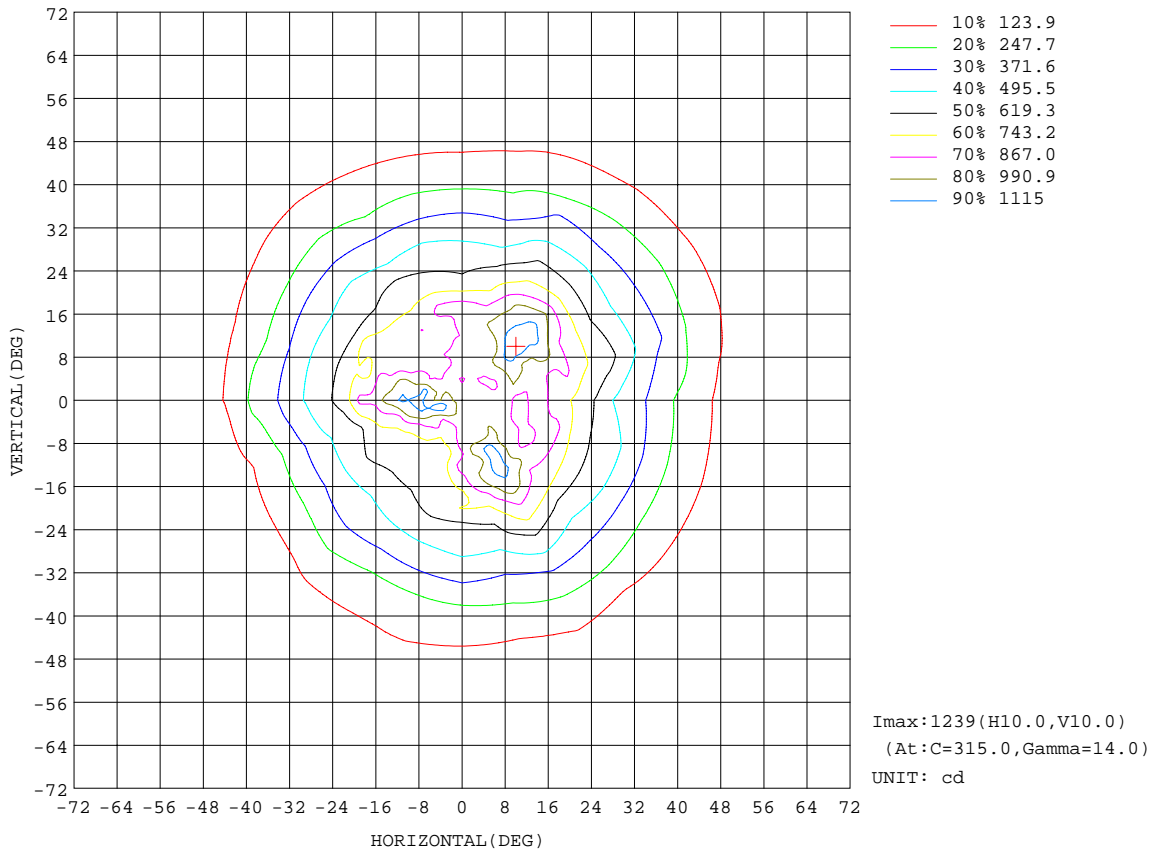
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 81 | 73 | 69 | 80 | 73 | 69 | 79 | 73 | 69 | 65 |
| 0.80 | 89 | 82 | 78 | 88 | 82 | 78 | 87 | 81 | 77 | 73 |
| 1.00 | 95 | 88 | 84 | 94 | 88 | 84 | 92 | 87 | 83 | 78 |
| 1.25 | 99 | 93 | 89 | 98 | 93 | 89 | 96 | 91 | 88 | 83 |
| 1.50 | 103 | 97 | 93 | 101 | 96 | 92 | 98 | 94 | 91 | 86 |
| 2.00 | 106 | 101 | 97 | 104 | 100 | 97 | 101 | 98 | 95 | 89 |
| 2.50 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 99 | 97 | 90 |
| 3.00 | 110 | 106 | 103 | 108 | 104 | 101 | 104 | 101 | 99 | 92 |
| 4.00 | 112 | 109 | 106 | 110 | 107 | 104 | 106 | 103 | 101 | 94 |
| 5.00 | 113 | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 103 | 95 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

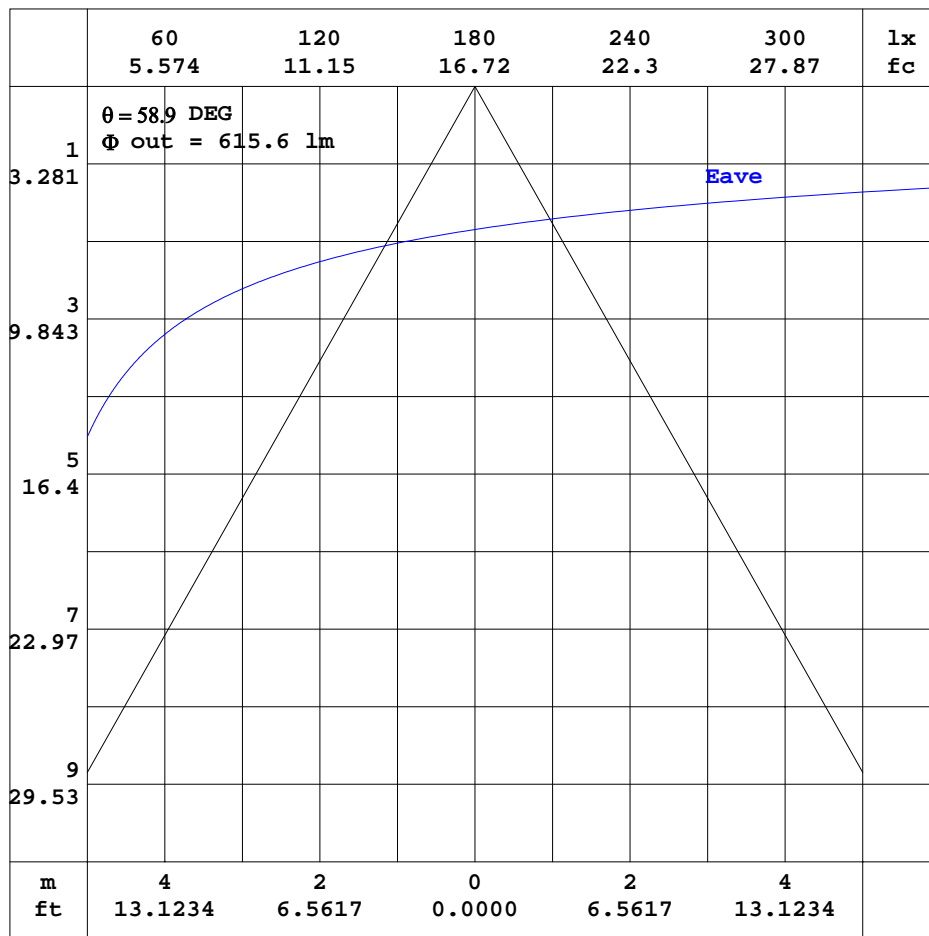


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



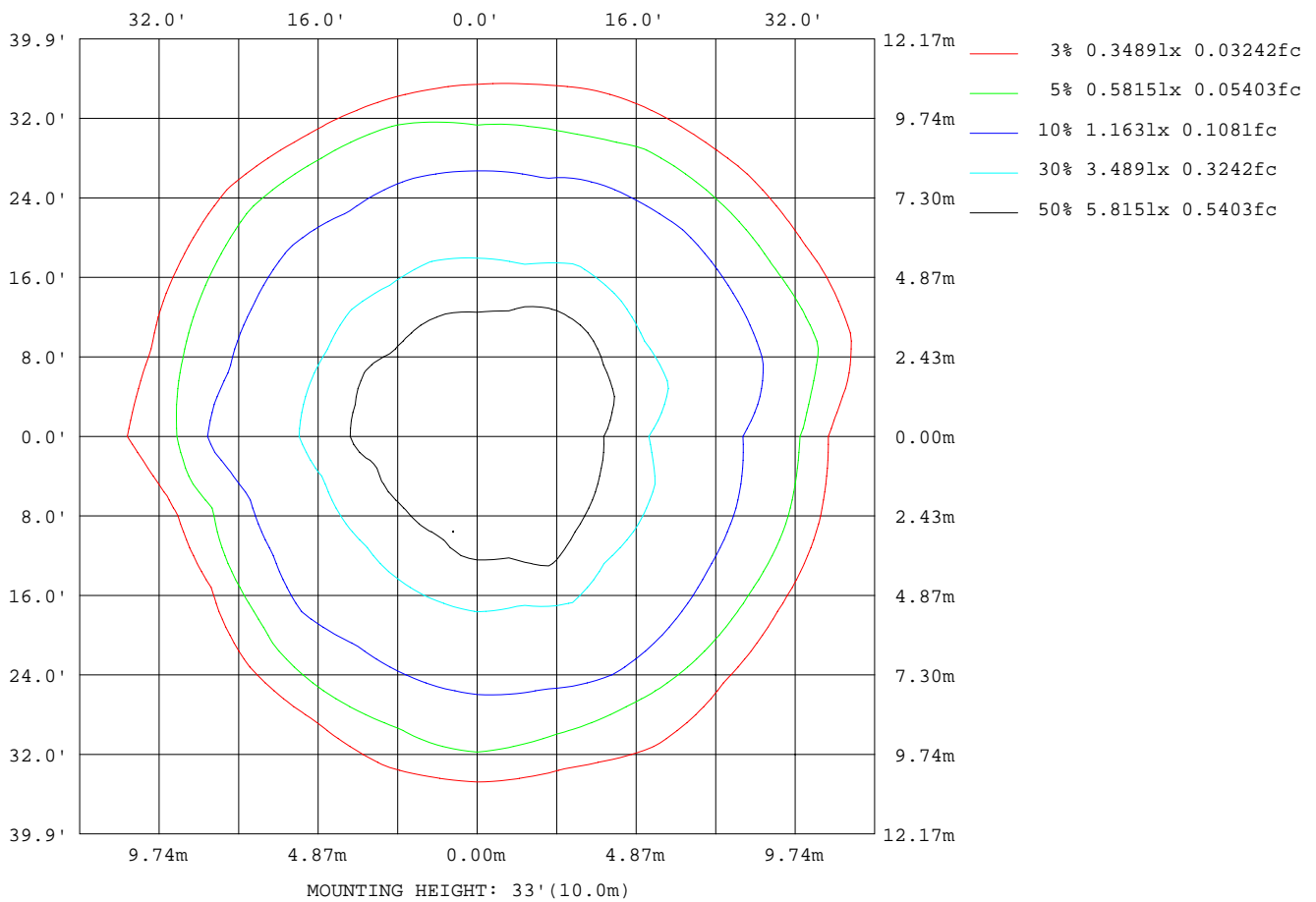
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

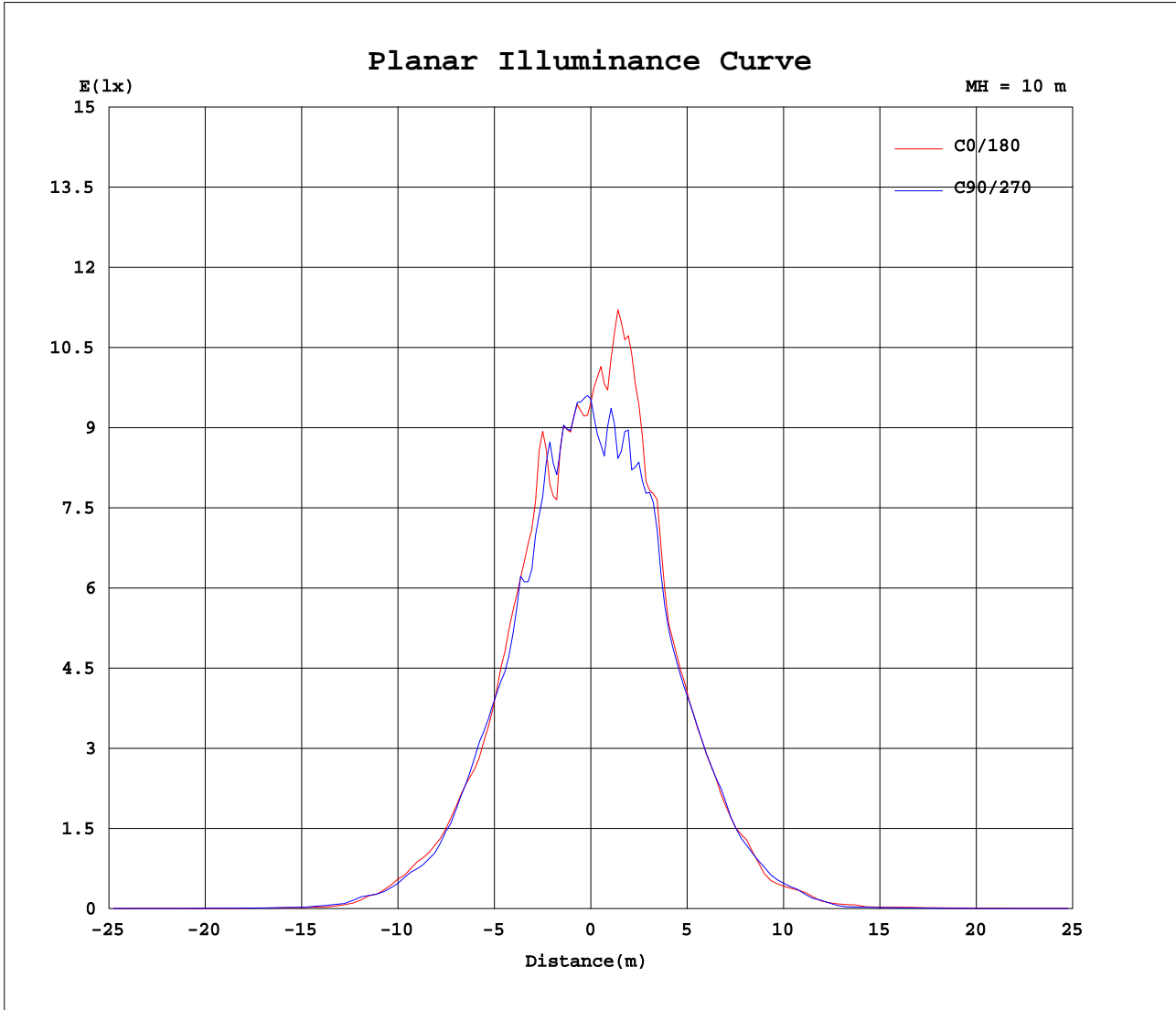
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 170 |
| L_0~180(75)av | 189 |
| L_0~180(85)av | 410 |
| L_90~270(65)av | 148 |
| L_90~270(75)av | 189 |
| L_90~270(85)av | 420 |
| L_45(65)av | 146 |
| L_45(75)av | 195 |
| L_45(85)av | 414 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 947 | 958 | 955 | 963 | 965 | 967 | 953 | 989 | 989 | 992 | 989 | 992 | 947 | 958 | 955 | 963 | 965 | 967 | 953 |
| 5 | 932 | 953 | 951 | 921 | 899 | 898 | 931 | 855 | 829 | 859 | 1023 | 1204 | 982 | 992 | 965 | 877 | 880 | 881 | 913 |
| 10 | 801 | 838 | 906 | 949 | 1168 | 1053 | 850 | 710 | 723 | 749 | 791 | 1037 | 1115 | 1036 | 883 | 775 | 796 | 852 | 935 |
| 15 | 951 | 900 | 849 | 989 | 1179 | 1002 | 818 | 674 | 727 | 676 | 652 | 780 | 982 | 901 | 770 | 757 | 875 | 833 | 888 |
| 20 | 747 | 804 | 816 | 809 | 967 | 753 | 750 | 676 | 602 | 566 | 638 | 580 | 819 | 736 | 779 | 705 | 721 | 775 | 756 |
| 25 | 606 | 615 | 629 | 633 | 754 | 590 | 572 | 541 | 515 | 483 | 496 | 500 | 599 | 584 | 558 | 588 | 629 | 607 | 585 |
| 30 | 437 | 515 | 511 | 480 | 557 | 458 | 482 | 436 | 399 | 409 | 363 | 376 | 485 | 477 | 474 | 491 | 459 | 495 | 484 |
| 35 | 346 | 369 | 360 | 364 | 382 | 314 | 335 | 293 | 267 | 275 | 234 | 239 | 350 | 312 | 328 | 354 | 335 | 356 | 363 |
| 40 | 234 | 237 | 229 | 249 | 261 | 213 | 208 | 177 | 162 | 160 | 153 | 128 | 237 | 209 | 203 | 232 | 218 | 230 | 231 |
| 45 | 158 | 150 | 142 | 124 | 138 | 126 | 134 | 135 | 101 | 94.3 | 75.6 | 74.2 | 120 | 110 | 127 | 153 | 145 | 152 | 135 |
| 50 | 62.9 | 64.0 | 64.2 | 82.4 | 68.4 | 80.3 | 83.9 | 45.3 | 45.7 | 38.9 | 36.2 | 31.5 | 56.1 | 71.0 | 65.9 | 55.2 | 70.6 | 65.1 | 61.5 |
| 55 | 16.0 | 17.0 | 16.0 | 15.6 | 17.9 | 18.1 | 25.3 | 17.6 | 17.0 | 19.8 | 16.4 | 14.2 | 19.1 | 19.9 | 20.9 | 18.8 | 17.7 | 15.8 | 14.9 |
| 60 | 9.51 | 12.1 | 10.1 | 10.1 | 18.2 | 11.4 | 12.7 | 14.3 | 11.4 | 14.3 | 9.75 | 8.10 | 17.4 | 12.6 | 14.4 | 14.4 | 11.9 | 11.2 | 9.28 |
| 65 | 5.55 | 5.95 | 5.58 | 5.70 | 5.81 | 5.82 | 6.19 | 5.71 | 5.47 | 5.44 | 5.23 | 5.12 | 8.83 | 6.74 | 6.88 | 6.71 | 6.58 | 6.42 | 6.28 |
| 70 | 4.75 | 4.89 | 4.87 | 4.87 | 4.80 | 4.82 | 4.85 | 4.67 | 4.53 | 4.54 | 4.45 | 4.48 | 5.78 | 5.71 | 5.73 | 5.74 | 5.72 | 5.69 | 5.77 |
| 75 | 4.34 | 4.62 | 4.63 | 4.61 | 4.51 | 4.42 | 4.45 | 4.22 | 4.09 | 4.13 | 4.00 | 4.01 | 5.42 | 5.26 | 5.28 | 5.49 | 5.44 | 5.38 | 5.34 |
| 80 | 3.60 | 3.64 | 3.66 | 3.71 | 3.68 | 3.75 | 3.81 | 3.61 | 3.55 | 3.48 | 3.44 | 3.42 | 4.57 | 4.56 | 4.60 | 4.55 | 4.56 | 4.51 | 4.47 |
| 85 | 3.08 | 3.08 | 3.08 | 3.18 | 3.20 | 3.32 | 3.49 | 3.25 | 3.01 | 2.85 | 2.77 | 2.73 | 4.08 | 4.09 | 4.08 | 4.05 | 4.06 | 3.98 | 3.83 |
| 90 | 2.63 | 2.61 | 2.62 | 2.60 | 2.61 | 2.61 | 2.66 | 2.51 | 2.45 | 2.42 | 2.44 | 2.42 | 3.26 | 3.27 | 3.30 | 3.29 | 3.31 | 3.35 | 3.35 |
| 95 | 2.48 | 2.46 | 2.47 | 2.46 | 2.47 | 2.43 | 2.43 | 2.36 | 2.35 | 2.32 | 2.34 | 2.33 | 2.98 | 3.00 | 3.00 | 3.04 | 3.05 | 3.10 | 3.11 |
| 100 | 2.36 | 2.35 | 2.36 | 2.34 | 2.36 | 2.33 | 2.33 | 2.32 | 2.30 | 2.30 | 2.32 | 2.32 | 2.82 | 2.85 | 2.85 | 2.87 | 2.88 | 2.92 | 2.93 |
| 105 | 2.32 | 2.32 | 2.32 | 2.31 | 2.31 | 2.30 | 2.30 | 2.32 | 2.32 | 2.35 | 2.35 | 2.36 | 2.78 | 2.79 | 2.79 | 2.81 | 2.80 | 2.83 | 2.83 |
| 110 | 2.33 | 2.35 | 2.34 | 2.35 | 2.33 | 2.36 | 2.36 | 2.40 | 2.43 | 2.48 | 2.51 | 2.50 | 2.82 | 2.80 | 2.83 | 2.83 | 2.83 | 2.81 | 2.82 |
| 115 | 2.44 | 2.47 | 2.46 | 2.47 | 2.45 | 2.50 | 2.51 | 2.58 | 2.63 | 2.69 | 2.73 | 2.74 | 2.97 | 2.95 | 2.95 | 2.96 | 2.95 | 2.93 | 2.91 |
| 120 | 2.61 | 2.65 | 2.65 | 2.65 | 2.66 | 2.71 | 2.74 | 2.81 | 2.87 | 2.95 | 3.00 | 3.04 | 3.22 | 3.20 | 3.20 | 3.20 | 3.18 | 3.15 | 3.12 |
| 125 | 2.85 | 2.90 | 2.90 | 2.92 | 2.94 | 2.98 | 3.00 | 3.07 | 3.15 | 3.23 | 3.31 | 3.38 | 3.57 | 3.53 | 3.51 | 3.51 | 3.47 | 3.45 | 3.40 |
| 130 | 3.14 | 3.18 | 3.20 | 3.24 | 3.27 | 3.29 | 3.30 | 3.35 | 3.44 | 3.54 | 3.64 | 3.71 | 3.99 | 3.93 | 3.86 | 3.85 | 3.81 | 3.79 | 3.73 |
| 135 | 3.45 | 3.49 | 3.54 | 3.57 | 3.60 | 3.62 | 3.61 | 3.68 | 3.80 | 3.91 | 3.99 | 4.04 | 4.36 | 4.33 | 4.24 | 4.21 | 4.16 | 4.12 | 4.09 |
| 140 | 3.80 | 3.84 | 3.89 | 3.90 | 3.92 | 3.96 | 3.99 | 4.03 | 4.15 | 4.24 | 4.31 | 4.33 | 4.70 | 4.67 | 4.62 | 4.59 | 4.51 | 4.50 | 4.46 |
| 145 | 4.16 | 4.19 | 4.22 | 4.20 | 4.23 | 4.28 | 4.32 | 4.30 | 4.39 | 4.46 | 4.51 | 4.60 | 4.98 | 4.96 | 4.93 | 4.93 | 4.86 | 4.85 | 4.80 |
| 150 | 4.49 | 4.48 | 4.49 | 4.51 | 4.54 | 4.58 | 4.59 | 4.50 | 4.54 | 4.59 | 4.73 | 4.81 | 5.20 | 5.18 | 5.16 | 5.17 | 5.14 | 5.14 | 5.11 |
| 155 | 4.75 | 4.72 | 4.76 | 4.78 | 4.80 | 4.82 | 4.83 | 4.70 | 4.71 | 4.77 | 4.90 | 4.98 | 5.36 | 5.34 | 5.33 | 5.32 | 5.31 | 5.36 | 5.35 |
| 160 | 4.97 | 4.94 | 4.99 | 4.98 | 5.00 | 5.03 | 5.01 | 4.89 | 4.91 | 4.96 | 5.06 | 5.14 | 5.46 | 5.42 | 5.43 | 5.41 | 5.42 | 5.47 | 5.51 |
| 165 | 5.17 | 5.18 | 5.19 | 5.19 | 5.20 | 5.21 | 5.19 | 5.08 | 5.12 | 5.14 | 5.21 | 5.30 | 5.52 | 5.50 | 5.49 | 5.50 | 5.50 | 5.56 | 5.62 |
| 170 | 5.37 | 5.37 | 5.38 | 5.38 | 5.40 | 5.38 | 5.36 | 5.27 | 5.33 | 5.37 | 5.42 | 5.48 | 5.57 | 5.58 | 5.58 | 5.60 | 5.62 | 5.64 | 5.67 |
| 175 | 5.60 | 5.58 | 5.57 | 5.54 | 5.55 | 5.55 | 5.56 | 5.47 | 5.53 | 5.58 | 5.61 | 5.65 | 5.70 | 5.64 | 5.68 | 5.71 | 5.70 | 5.72 | 5.73 |
| 180 | 5.76 | 5.70 | 5.68 | 5.70 | 5.72 | 5.73 | 5.76 | 5.63 | 5.66 | 5.67 | 5.75 | 5.82 | 5.75 | 5.70 | 5.68 | 5.70 | 5.72 | 5.73 | 5.75 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|-------------------|
| Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm | | |
| NAME: | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 989 | 989 | 992 | 989 | 992 | | | | | | | | | | | | | | |
| 5 | 881 | 871 | 857 | 873 | 890 | | | | | | | | | | | | | | |
| 10 | 904 | 922 | 1075 | 1028 | 989 | | | | | | | | | | | | | | |
| 15 | 974 | 1074 | 1231 | 972 | 914 | | | | | | | | | | | | | | |
| 20 | 781 | 998 | 1099 | 892 | 896 | | | | | | | | | | | | | | |
| 25 | 634 | 750 | 778 | 728 | 727 | | | | | | | | | | | | | | |
| 30 | 461 | 604 | 594 | 557 | 604 | | | | | | | | | | | | | | |
| 35 | 350 | 429 | 437 | 424 | 446 | | | | | | | | | | | | | | |
| 40 | 238 | 306 | 323 | 319 | 352 | | | | | | | | | | | | | | |
| 45 | 138 | 173 | 182 | 210 | 221 | | | | | | | | | | | | | | |
| 50 | 85.6 | 88.5 | 110 | 122 | 127 | | | | | | | | | | | | | | |
| 55 | 14.9 | 16.0 | 23.1 | 28.3 | 40.7 | | | | | | | | | | | | | | |
| 60 | 9.05 | 12.5 | 11.2 | 12.5 | 17.4 | | | | | | | | | | | | | | |
| 65 | 6.39 | 6.64 | 6.80 | 7.19 | 10.7 | | | | | | | | | | | | | | |
| 70 | 5.81 | 5.88 | 5.98 | 6.06 | 6.12 | | | | | | | | | | | | | | |
| 75 | 5.61 | 5.90 | 5.94 | 5.96 | 5.80 | | | | | | | | | | | | | | |
| 80 | 4.57 | 4.81 | 4.97 | 5.15 | 5.22 | | | | | | | | | | | | | | |
| 85 | 4.00 | 4.20 | 4.35 | 4.42 | 4.40 | | | | | | | | | | | | | | |
| 90 | 3.43 | 3.53 | 3.63 | 3.70 | 3.74 | | | | | | | | | | | | | | |
| 95 | 3.20 | 3.27 | 3.33 | 3.37 | 3.38 | | | | | | | | | | | | | | |
| 100 | 3.00 | 3.05 | 3.11 | 3.12 | 3.14 | | | | | | | | | | | | | | |
| 105 | 2.86 | 2.89 | 2.94 | 2.93 | 2.95 | | | | | | | | | | | | | | |
| 110 | 2.80 | 2.81 | 2.84 | 2.83 | 2.84 | | | | | | | | | | | | | | |
| 115 | 2.83 | 2.84 | 2.83 | 2.83 | 2.84 | | | | | | | | | | | | | | |
| 120 | 3.00 | 2.95 | 2.92 | 2.93 | 2.92 | | | | | | | | | | | | | | |
| 125 | 3.25 | 3.16 | 3.11 | 3.11 | 3.12 | | | | | | | | | | | | | | |
| 130 | 3.58 | 3.47 | 3.38 | 3.37 | 3.37 | | | | | | | | | | | | | | |
| 135 | 3.95 | 3.85 | 3.75 | 3.70 | 3.69 | | | | | | | | | | | | | | |
| 140 | 4.31 | 4.23 | 4.16 | 4.08 | 4.07 | | | | | | | | | | | | | | |
| 145 | 4.64 | 4.57 | 4.53 | 4.46 | 4.46 | | | | | | | | | | | | | | |
| 150 | 4.92 | 4.87 | 4.86 | 4.82 | 4.85 | | | | | | | | | | | | | | |
| 155 | 5.19 | 5.15 | 5.16 | 5.14 | 5.17 | | | | | | | | | | | | | | |
| 160 | 5.40 | 5.36 | 5.39 | 5.41 | 5.41 | | | | | | | | | | | | | | |
| 165 | 5.51 | 5.52 | 5.55 | 5.57 | 5.60 | | | | | | | | | | | | | | |
| 170 | 5.59 | 5.62 | 5.65 | 5.66 | 5.72 | | | | | | | | | | | | | | |
| 175 | 5.61 | 5.62 | 5.69 | 5.75 | 5.82 | | | | | | | | | | | | | | |
| 180 | 5.63 | 5.66 | 5.67 | 5.75 | 5.82 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: