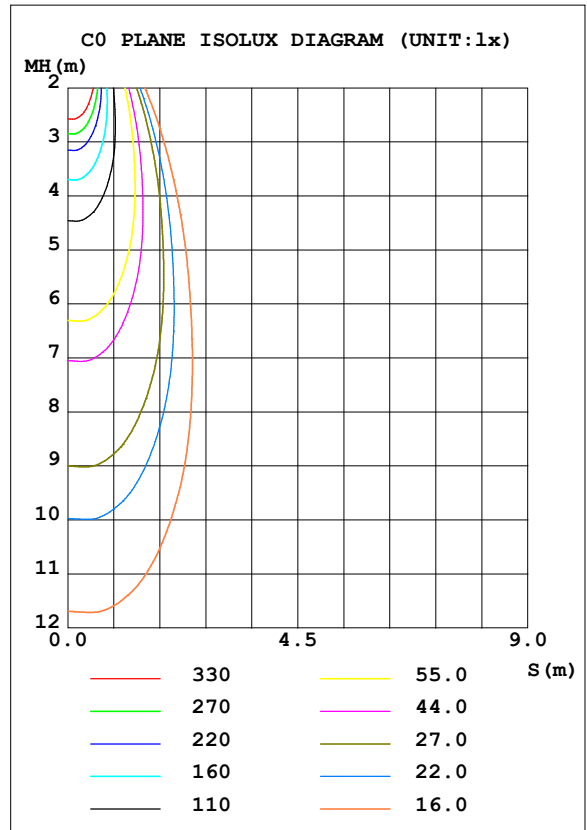
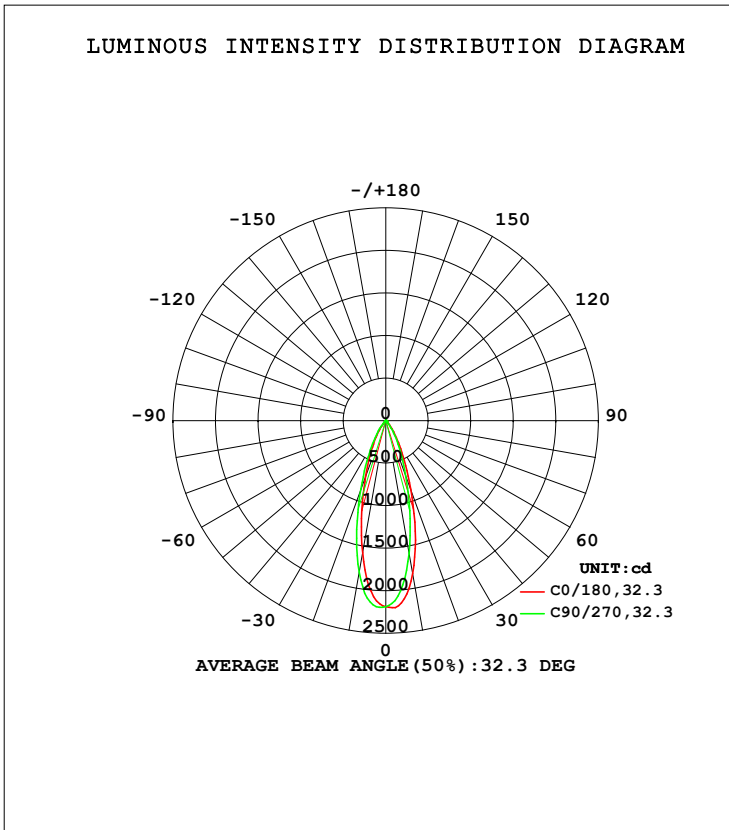


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA                  |        |  |           |
|-------------------|---------|-----------------------------------|--------|--|-----------|
| MODEL             |         | Imax (cd)                         | 2203   | S/MH (C0/180)                              | 0.50      |
| NOMINAL POWER (W) | 12      | LOR (%)                           | 100.0  | S/MH (C90/270)                             | 0.57      |
| RATED VOLTAGE (V) | 120     | TOTAL FLUX (lm)                   | 873.51 | <input type="checkbox"/> UP, DN (C0-180)   | 0.0, 47.8 |
| NOMINAL FLUX (lm) | 873.509 | CIE CLASS                         | DIRECT | <input type="checkbox"/> UP, DN (C180-360) | 0.0, 52.2 |
| LAMPS INSIDE      | 1       | <input type="checkbox"/> up (%)   | 0.0    | CIBSE SHR NOM                              | 0.50      |
| TEST VOLTAGE (V)  | 12      | <input type="checkbox"/> down (%) | 100.0  | CIBSE SHR MAX                              | 0.55      |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 3.080m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| °   | C0                    | C45    | C90    | C135   | C180   | C225   | C270   | C315   | °       | □ zone  | □ total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10  | 1824                  | 1718   | 1581   | 1520   | 1580   | 1687   | 1808   | 1876   | 0- 10   | 185.9   | 185.9   | 21.3,21.3 |
| 20  | 859.9                 | 768.2  | 690.4  | 658.3  | 694.2  | 767.4  | 863.8  | 912.2  | 10- 20  | 332.1   | 518.1   | 59.3,59.3 |
| 30  | 301.8                 | 272.9  | 250.7  | 237.1  | 250.7  | 278.2  | 310.3  | 325.9  | 20- 30  | 220.9   | 739.0   | 84.6,84.6 |
| 40  | 77.37                 | 58.94  | 51.24  | 44.82  | 52.54  | 66.22  | 74.90  | 80.74  | 30- 40  | 94.94   | 833.9   | 95.5,95.5 |
| 50  | 15.59                 | 13.71  | 14.28  | 13.81  | 13.33  | 14.55  | 14.38  | 16.39  | 40- 50  | 22.35   | 856.3   | 98,98     |
| 60  | 9.269                 | 8.742  | 8.457  | 8.303  | 8.226  | 9.035  | 7.802  | 8.965  | 50- 60  | 10.14   | 866.4   | 99.2,99.2 |
| 70  | 3.958                 | 3.211  | 2.471  | 2.741  | 3.163  | 3.209  | 2.830  | 3.545  | 60- 70  | 5.410   | 871.8   | 99.8,99.8 |
| 80  | 0.7325                | 0.5421 | 0.4621 | 0.4668 | 0.5712 | 0.4840 | 0.4510 | 0.5617 | 70- 80  | 1.485   | 873.3   | 100,100   |
| 90  | 0.0110                | 0.0083 | 0.0294 | 0.0127 | 0.0130 | 0.0133 | 0.0140 | 0.0070 | 80- 90  | 0.1921  | 873.5   | 100,100   |
| 100 |                       |        |        |        |        |        |        |        | 90-100  |         |         |           |
| 110 |                       |        |        |        |        |        |        |        | 100-110 |         |         |           |
| 120 |                       |        |        |        |        |        |        |        | 110-120 |         |         |           |
| 130 |                       |        |        |        |        |        |        |        | 120-130 |         |         |           |
| 140 |                       |        |        |        |        |        |        |        | 130-140 |         |         |           |
| 150 |                       |        |        |        |        |        |        |        | 140-150 |         |         |           |
| 160 |                       |        |        |        |        |        |        |        | 150-160 |         |         |           |
| 170 |                       |        |        |        |        |        |        |        | 160-170 |         |         |           |
| 180 |                       |        |        |        |        |        |        |        | 170-180 |         |         |           |
| DEG | LUMINOUS INTENSITY:cd |        |        |        |        |        |        |        |         | UNIT:lm |         |           |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 15     | 10      |
| 80                | 38     | 24      |
| 75                | 61     | 32      |
| 70                | 104    | 65      |
| 65                | 131    | 98      |
| 60                | 167    | 152     |
| 55                | 182    | 186     |
| 50                | 218    | 200     |
| 45                | 364    | 268     |

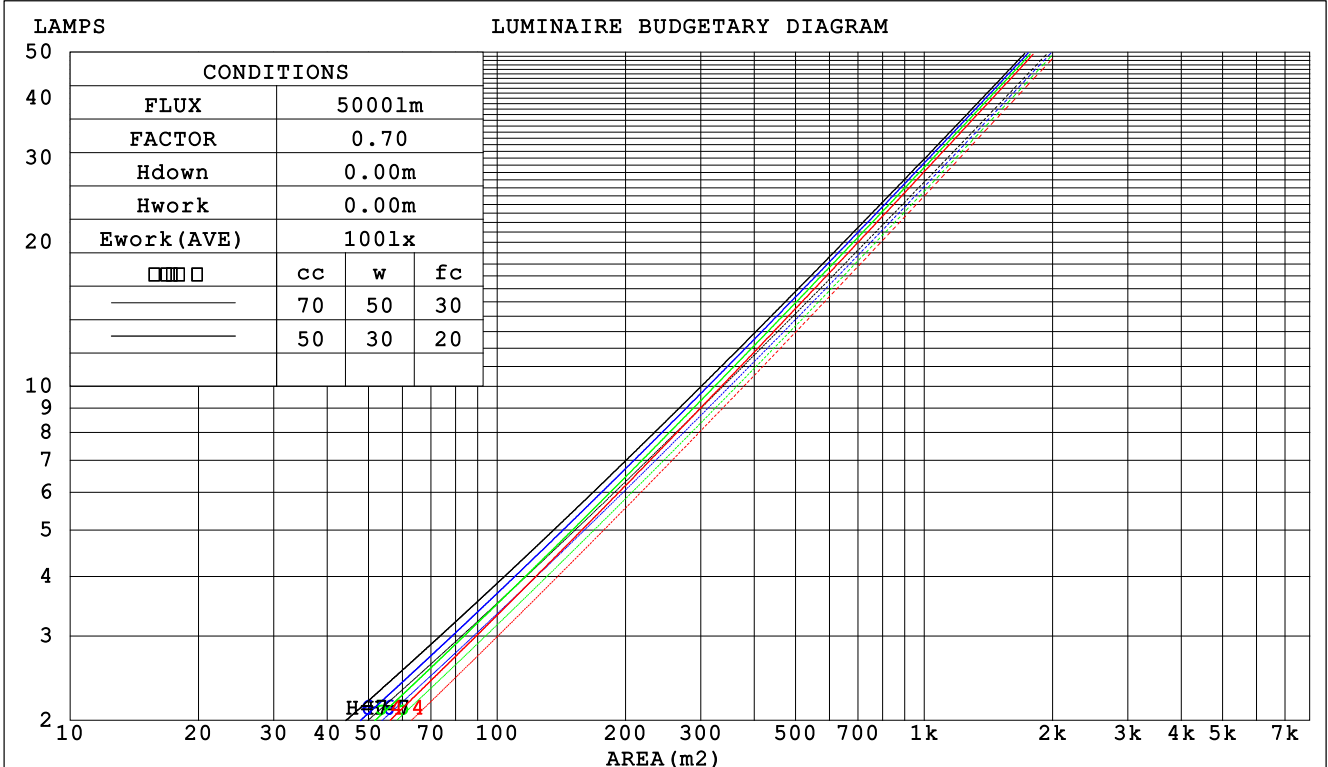
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |

|      |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |      |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|------|
| □cc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0    |
| □w   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| □fc  | 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 | 1.00 |
| 1.0  | 1.12                  | 1.10 | 1.08 | 1.10 | 1.08 | 1.06 | 1.06                            | 1.04 | 1.03 | 1.02 | 1.01 | .00  | .98  | .98  | .97  | .95  |
| 2.0  | 1.05                  | 1.02 | .99  | 1.03 | 1.00 | .98  | 1.00                            | .98  | .95  | .97  | .95  | .93  | .95  | .93  | .91  | .90  |
| 3.0  | .99                   | .95  | .92  | .98  | .94  | .91  | .95                             | .92  | .89  | .93  | .90  | .88  | .91  | .89  | .87  | .85  |
| 4.0  | .94                   | .89  | .86  | .93  | .89  | .85  | .91                             | .87  | .84  | .89  | .86  | .83  | .87  | .85  | .82  | .81  |
| 5.0  | .89                   | .84  | .81  | .89  | .84  | .80  | .87                             | .83  | .80  | .85  | .82  | .79  | .84  | .81  | .78  | .77  |
| 6.0  | .85                   | .80  | .76  | .84  | .80  | .76  | .83                             | .79  | .76  | .82  | .78  | .75  | .81  | .77  | .75  | .74  |
| 7.0  | .81                   | .76  | .73  | .81  | .76  | .73  | .80                             | .75  | .72  | .78  | .75  | .72  | .77  | .74  | .71  | .70  |
| 8.0  | .78                   | .73  | .69  | .77  | .73  | .69  | .76                             | .72  | .69  | .75  | .71  | .69  | .74  | .71  | .68  | .67  |
| 9.0  | .75                   | .70  | .66  | .74  | .69  | .66  | .73                             | .69  | .66  | .73  | .69  | .66  | .72  | .68  | .66  | .64  |
| 10.0 | .72                   | .67  | .63  | .71  | .67  | .63  | .71                             | .66  | .63  | .70  | .66  | .63  | .69  | .66  | .63  | .62  |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |

|                             |                       |                |                                  |                |                |   |
|-----------------------------|-----------------------|----------------|----------------------------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%                              | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                      | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 20%                   | 20%            | 20%                              | 20%            | 20%            | 0 |
| RCR                         | RCR:Room Cavity Ratio |                | Wall Exitance Coefficients (WEC) |                |                |   |
| 0.0                         |                       |                |                                  |                |                |   |
| 1.0                         | .159 .090 .029        | .152 .087 .028 | .140 .080 .026                   | .128 .074 .024 | .118 .068 .022 |   |
| 2.0                         | .150 .082 .025        | .145 .080 .025 | .134 .075 .023                   | .125 .070 .022 | .116 .066 .021 |   |
| 3.0                         | .142 .075 .023        | .137 .073 .022 | .128 .070 .021                   | .120 .066 .020 | .113 .062 .019 |   |
| 4.0                         | .134 .070 .020        | .130 .068 .020 | .123 .065 .019                   | .116 .062 .019 | .109 .059 .018 |   |
| 5.0                         | .127 .065 .019        | .124 .064 .019 | .117 .061 .018                   | .111 .059 .017 | .106 .056 .017 |   |
| 6.0                         | .121 .061 .017        | .118 .060 .017 | .112 .058 .017                   | .107 .056 .016 | .102 .054 .016 |   |
| 7.0                         | .115 .057 .016        | .113 .056 .016 | .108 .054 .016                   | .103 .053 .015 | .099 .051 .015 |   |
| 8.0                         | .110 .054 .015        | .108 .053 .015 | .103 .052 .015                   | .099 .050 .015 | .095 .049 .014 |   |
| 9.0                         | .105 .051 .014        | .103 .050 .014 | .100 .049 .014                   | .096 .048 .014 | .092 .047 .014 |   |
| 10.0                        | .101 .049 .013        | .099 .048 .013 | .096 .047 .013                   | .092 .046 .013 | .089 .045 .013 |   |

|                             |                       |                |   |                |                |   |
|-----------------------------|-----------------------|----------------|---|----------------|----------------|---|
| <input type="checkbox"/> cc | 80%                   | 70%            | 50%   | 30%            | 10%            | 0 |
| <input type="checkbox"/> w  | 50% 30% 10%           | 50% 30% 10%    | 50% 30% 10%                                 | 50% 30% 10%    | 50% 30% 10%    | 0 |
| <input type="checkbox"/> fc | 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                         | .170 .157 .146        | .145 .135 .126 | .099 .093 .087                              | .057 .054 .051 | .018 .017 .016 |   |
| 2.0                         | .153 .133 .115        | .131 .114 .100 | .090 .079 .069                              | .052 .046 .041 | .017 .015 .013 |   |
| 3.0                         | .140 .113 .092        | .120 .098 .080 | .082 .068 .056                              | .048 .040 .033 | .015 .013 .011 |   |
| 4.0                         | .128 .098 .075        | .110 .085 .066 | .076 .059 .046                              | .044 .035 .027 | .014 .011 .009 |   |
| 5.0                         | .119 .086 .063        | .102 .075 .054 | .070 .052 .038                              | .041 .031 .023 | .013 .010 .008 |   |
| 6.0                         | .111 .077 .052        | .095 .067 .046 | .066 .047 .032                              | .038 .027 .019 | .012 .009 .006 |   |
| 7.0                         | .104 .069 .045        | .089 .060 .039 | .062 .042 .028                              | .036 .025 .016 | .012 .008 .005 |   |
| 8.0                         | .098 .063 .038        | .084 .054 .033 | .058 .038 .024                              | .034 .022 .014 | .011 .007 .005 |   |
| 9.0                         | .092 .057 .033        | .080 .050 .029 | .055 .035 .021                              | .032 .021 .012 | .010 .007 .004 |   |
| 10.0                        | .088 .053 .029        | .076 .046 .025 | .052 .032 .018                              | .031 .019 .011 | .010 .006 .004 |   |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | 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                                      | 4.3              | 5.1 | 4.5 | 5.3 | 5.4 | 3.2            | 4.0 | 3.4 | 4.2 | 4.4 |
| 3H   | 4.3              | 5.1 | 4.6 | 5.3 | 5.5 | 3.2            | 3.9 | 3.4 | 4.1 | 4.3 |
| 4H   | 4.3              | 5.0 | 4.6 | 5.2 | 5.4 | 3.1            | 3.8 | 3.4 | 4.1 | 4.3 |
| 6H   | 4.2              | 4.9 | 4.5 | 5.1 | 5.4 | 3.1            | 3.7 | 3.3 | 4.0 | 4.2 |
| 8H   | 4.2              | 4.8 | 4.5 | 5.1 | 5.3 | 3.0            | 3.7 | 3.3 | 3.9 | 4.2 |
| 12H  | 4.1              | 4.8 | 4.5 | 5.0 | 5.3 | 3.0            | 3.6 | 3.3 | 3.8 | 4.1 |
| 4H 2H  | 4.2              | 4.9 | 4.4 | 5.1 | 5.3 | 3.1            | 3.8 | 3.4 | 4.1 | 4.3 |
| 3H   | 4.2              | 4.8 | 4.5 | 5.1 | 5.4 | 3.1            | 3.7 | 3.4 | 4.0 | 4.3 |
| 4H   | 4.2              | 4.8 | 4.5 | 5.1 | 5.4 | 3.1            | 3.6 | 3.4 | 3.9 | 4.2 |
| 6H   | 4.1              | 4.6 | 4.5 | 5.0 | 5.3 | 3.0            | 3.5 | 3.4 | 3.8 | 4.1 |
| 8H   | 4.1              | 4.5 | 4.5 | 4.9 | 5.3 | 2.9            | 3.4 | 3.3 | 3.7 | 4.1 |
| 12H  | 4.0              | 4.5 | 4.4 | 4.8 | 5.2 | 2.9            | 3.3 | 3.3 | 3.7 | 4.1 |
| 8H 4H  | 4.1              | 4.5 | 4.5 | 4.9 | 5.2 | 2.9            | 3.4 | 3.3 | 3.8 | 4.1 |
| 6H   | 4.0              | 4.4 | 4.4 | 4.8 | 5.2 | 2.9            | 3.2 | 3.3 | 3.6 | 4.0 |
| 8H   | 3.9              | 4.3 | 4.4 | 4.7 | 5.1 | 2.8            | 3.1 | 3.3 | 3.6 | 4.0 |
| 12H  | 3.9              | 4.2 | 4.4 | 4.6 | 5.1 | 2.8            | 3.0 | 3.2 | 3.5 | 4.0 |
| 12H 4H   | 4.0              | 4.4 | 4.4 | 4.8 | 5.2 | 2.9            | 3.3 | 3.3 | 3.7 | 4.1 |
| 6H   | 3.9              | 4.3 | 4.4 | 4.7 | 5.1 | 2.8            | 3.1 | 3.3 | 3.6 | 4.0 |
| 8H   | 3.9              | 4.2 | 4.4 | 4.6 | 5.1 | 2.8            | 3.0 | 3.2 | 3.5 | 4.0 |
| Variations with the observer position at spacings: |                  |     |     |     |     |                |     |     |     |     |
| S = 1.0H   | + 3.3 / - 4.3    |     |     |     |     | + 2.7 / - 3.6  |     |     |     |     |
| 1.5H   | + 5.5 / - 3.9    |     |     |     |     | + 4.8 / - 2.9  |     |     |     |     |
| 2.0H   | + 2.8 / - 1.4    |     |     |     |     | + 1.6 / - 1.9  |     |     |     |     |

CIE Pub.117, 873.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)  
 Area: 0.111111 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |

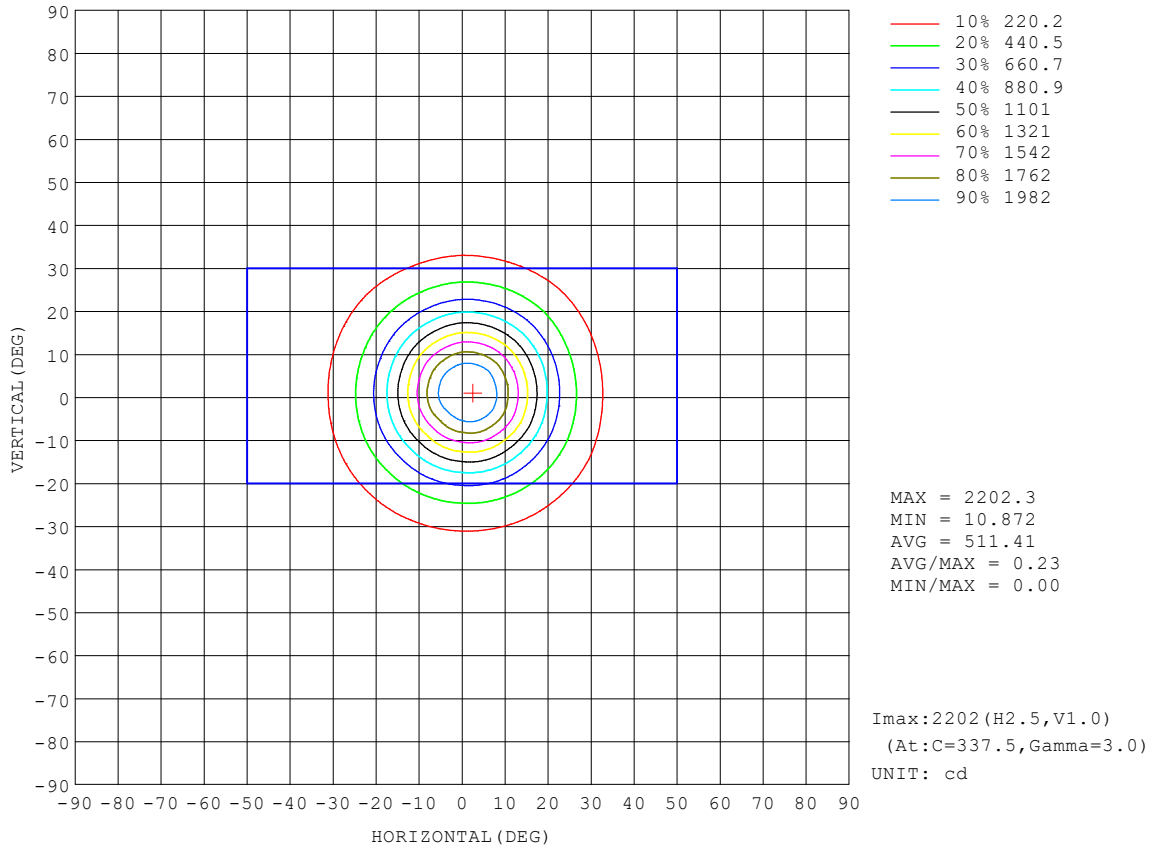
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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                         | 89   | 83  | 79        | 88  | 82  | 79  | 87            | 82  | 79  | 75     |
| 0.80                             | 96   | 90  | 87        | 95  | 90  | 87  | 94            | 89  | 86  | 83     |
| 1.00                             | 100  | 95  | 91        | 99  | 94  | 91  | 98            | 94  | 90  | 87     |
| 1.25                             | 104  | 99  | 96        | 103 | 98  | 95  | 101           | 97  | 94  | 90     |
| 1.50                             | 107  | 102 | 99        | 105 | 101 | 98  | 103           | 100 | 97  | 93     |
| 2.00                             | 109  | 105 | 102       | 108 | 104 | 101 | 105           | 102 | 100 | 95     |
| 2.50                             | 111  | 107 | 104       | 109 | 106 | 103 | 106           | 103 | 101 | 95     |
| 3.00                             | 112  | 109 | 106       | 110 | 107 | 105 | 107           | 105 | 103 | 97     |
| 4.00                             | 114  | 111 | 109       | 112 | 110 | 108 | 108           | 107 | 105 | 98     |
| 5.00                             | 115  | 113 | 111       | 113 | 111 | 110 | 109           | 108 | 107 | 99     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |



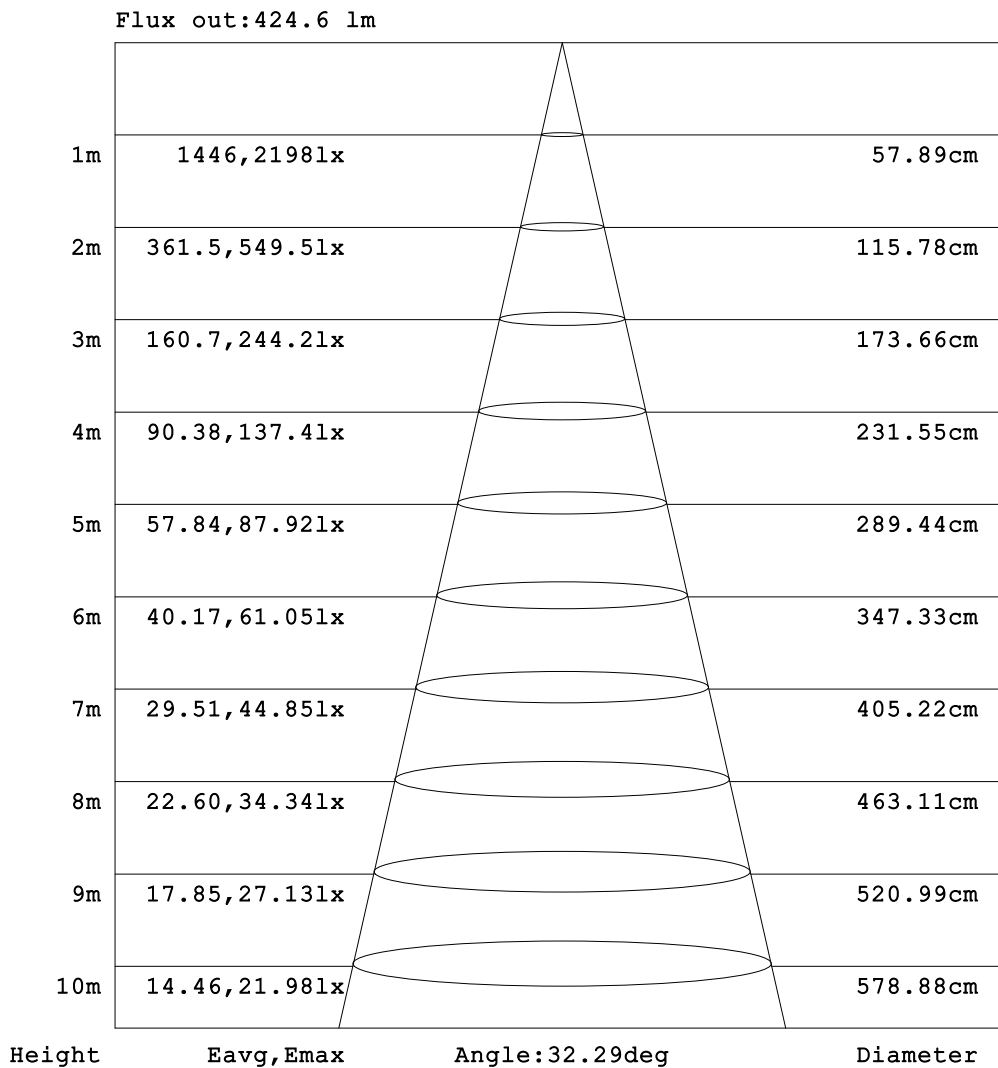
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:



**AAI Figure**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |



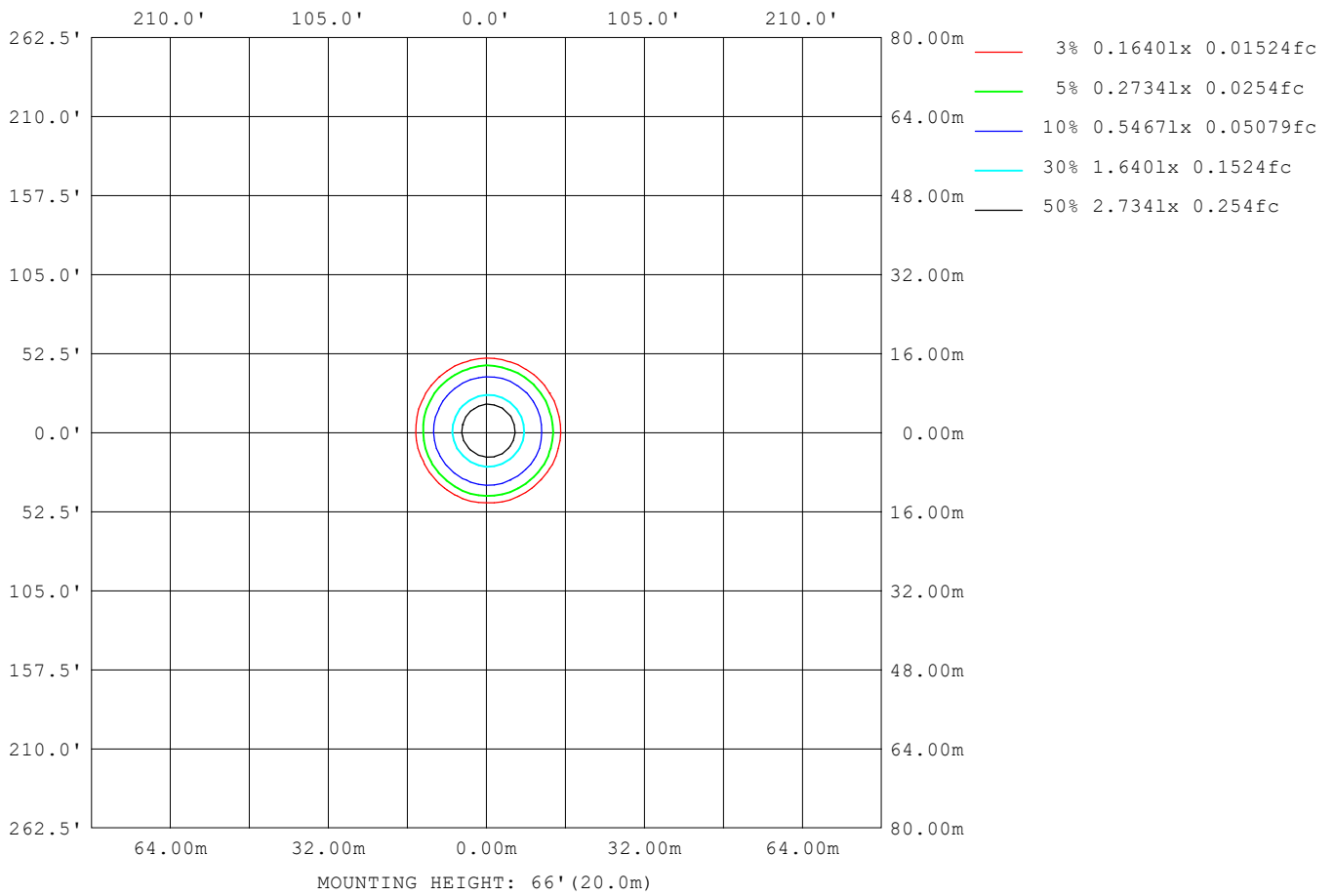
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

|  |       |                  |
|--|-------|------------------|
| Test:U:120.06V I:0.1233A P:11.395W PF:0.9261 Freq:59.98Hz Lamp Flux:873.509x1 lm |       |                  |
| NAME: ASD-CD-TR-3D12AC-WH  | TYPE: | WEIGHT:          |
| SPEC.:4000K 90   | DIM.: | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.: | Shielding Angle: |

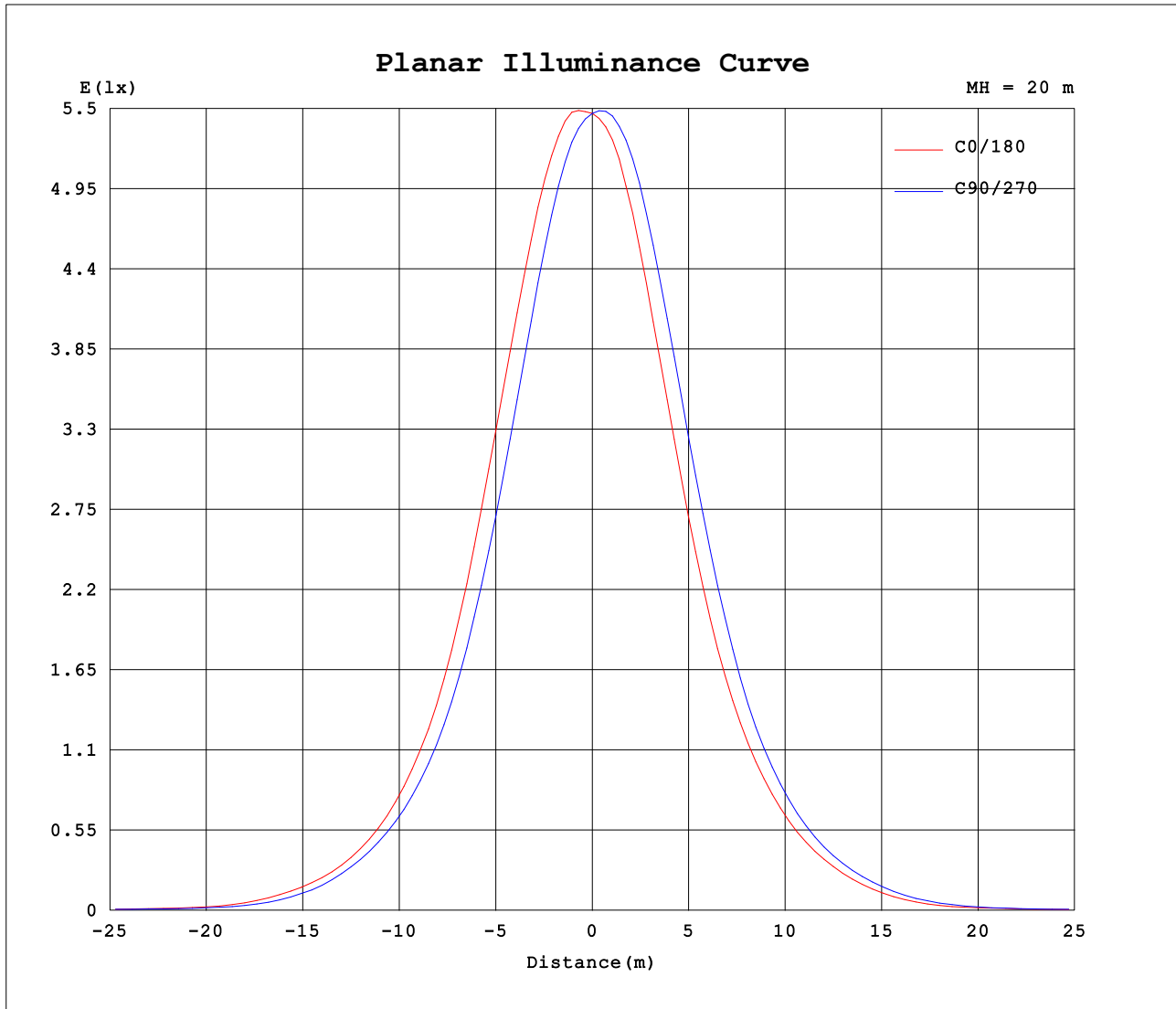
| AvgL             | cd/m2 |
|------------------|-------|
| L_0~180 (65) av  | 119   |
| L_0~180 (75) av  | 49    |
| L_0~180 (85) av  | 13    |
| L_90~270 (65) av | 102   |
| L_90~270 (75) av | 32    |
| L_90~270 (85) av | 9     |
| L_45 (65) av     | 115   |
| L_45 (75) av     | 36    |
| L_45 (85) av     | 12    |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:3.080m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2021-08-24

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 3.080m [K=1.0000]  
 Remarks:

