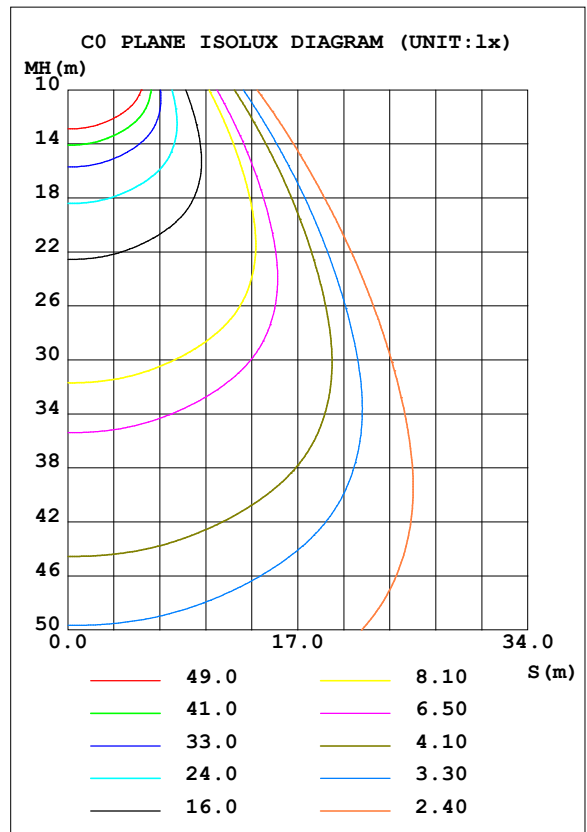
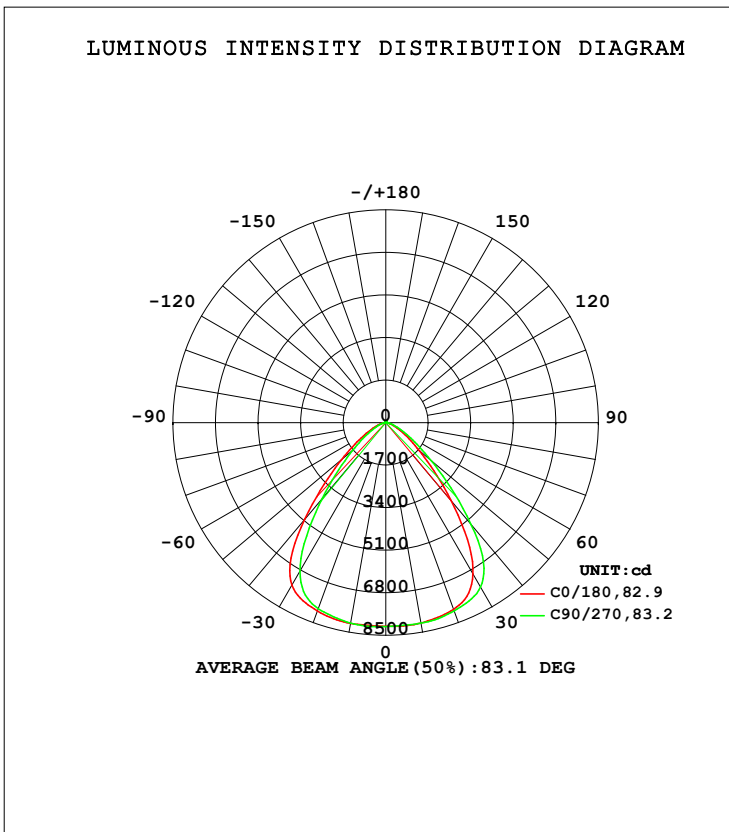


LUMINAIRE PHOTOMETRIC TEST REPORT

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |

| DATA OF LAMP      |         | PHOTOMETRIC DATA Eff: 158.96 lm/W |        |  |           |
|-------------------|---------|-----------------------------------|--------|--|-----------|
| MODEL             |         | I <sub>max</sub> (cd)             | 8166   | S/MH (C0/180)                              | 1.23      |
| NOMINAL POWER (W) | 100     | LOR (%)                           | 100.0  | S/MH (C90/270)                             | 1.14      |
| RATED VOLTAGE (V) | 120     | TOTAL FLUX (lm)                   | 15018  | <input type="checkbox"/> UP, DN (C0-180)   | 0.5, 51.3 |
| NOMINAL FLUX (lm) | 15017.9 | CIE CLASS                         | DIRECT | <input type="checkbox"/> UP, DN (C180-360) | 0.5, 47.7 |
| LAMPS INSIDE      | 1       | <input type="checkbox"/> up (%)   | 1.0    | CIBSE SHR NOM                              | 1.25      |
| TEST VOLTAGE (V)  | 120     | <input type="checkbox"/> down (%) | 99.0   | CIBSE SHR MAX                              | 1.25      |



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.1DEG  
 Operators: lianghaizhu  
 Test Date: 2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity: 56%  
 Test Distance: 6.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| mm  | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | mm      | □ zone  | □ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10  | 8128                  | 8137  | 8136  | 8133  | 8143  | 8149  | 8131  | 8116  | 0- 10   | 777.3   | 777.3   | 5.18,5.18  |
| 20  | 7933                  | 7963  | 8004  | 8058  | 8006  | 7966  | 7906  | 7871  | 10- 20  | 2284    | 3061    | 20.4,20.4  |
| 30  | 6975                  | 7306  | 7582  | 7701  | 7498  | 7252  | 6863  | 6634  | 20- 30  | 3551    | 6613    | 44,44      |
| 40  | 4067                  | 4548  | 5308  | 5703  | 5033  | 4467  | 3953  | 3588  | 30- 40  | 3773    | 10385   | 69.2,69.2  |
| 50  | 1770                  | 1994  | 2389  | 2630  | 2329  | 2000  | 1746  | 1572  | 40- 50  | 2446    | 12831   | 85.4,85.4  |
| 60  | 756.4                 | 853.3 | 990.8 | 1100  | 979.9 | 846.4 | 728.2 | 664.1 | 50- 60  | 1226    | 14057   | 93.6,93.6  |
| 70  | 296.3                 | 337.5 | 393.5 | 444.3 | 383.3 | 332.9 | 283.2 | 255.2 | 60- 70  | 559.8   | 14617   | 97.3,97.3  |
| 80  | 78.12                 | 96.89 | 121.4 | 145.0 | 113.7 | 94.01 | 71.59 | 57.08 | 70- 80  | 216.4   | 14833   | 98.8,98.8  |
| 90  | 8.385                 | 6.977 | 4.887 | 6.048 | 4.100 | 6.144 | 7.009 | 7.465 | 80- 90  | 40.41   | 14873   | 99,99      |
| 100 | 6.963                 | 6.285 | 5.670 | 5.475 | 5.499 | 6.040 | 6.815 | 7.371 | 90-100  | 6.076   | 14879   | 99.1,99.1  |
| 110 | 12.54                 | 11.51 | 10.43 | 9.776 | 10.35 | 11.23 | 12.55 | 13.34 | 100-110 | 9.138   | 14889   | 99.1,99.1  |
| 120 | 20.16                 | 18.82 | 17.45 | 16.50 | 17.49 | 18.67 | 20.37 | 21.31 | 110-120 | 14.85   | 14903   | 99.2,99.2  |
| 130 | 28.73                 | 27.24 | 25.81 | 24.66 | 26.24 | 27.51 | 29.47 | 30.41 | 120-130 | 20.66   | 14924   | 99.4,99.4  |
| 140 | 37.11                 | 35.66 | 34.33 | 33.10 | 35.38 | 36.47 | 38.49 | 39.21 | 130-140 | 24.61   | 14949   | 99.5,99.5  |
| 150 | 44.76                 | 43.53 | 42.20 | 41.01 | 43.87 | 44.84 | 46.57 | 47.25 | 140-150 | 25.21   | 14974   | 99.7,99.7  |
| 160 | 52.93                 | 51.40 | 50.43 | 48.91 | 52.41 | 53.14 | 54.92 | 55.42 | 150-160 | 22.23   | 14996   | 99.9,99.9  |
| 170 | 60.90                 | 59.38 | 58.94 | 57.55 | 60.44 | 60.57 | 62.07 | 62.03 | 160-170 | 15.90   | 15012   | 100,100    |
| 180 | 64.60                 | 63.86 | 64.38 | 63.63 | 64.57 | 63.89 | 64.39 | 63.64 | 170-180 | 5.920   | 15018   | 100,100    |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |            |

Conical surface Flux(90deg): 11799 lm

%lum = 78.6%

%lamp = 78.6%

Conical surface Flux(120deg): 14057 lm

%lum = 93.6%

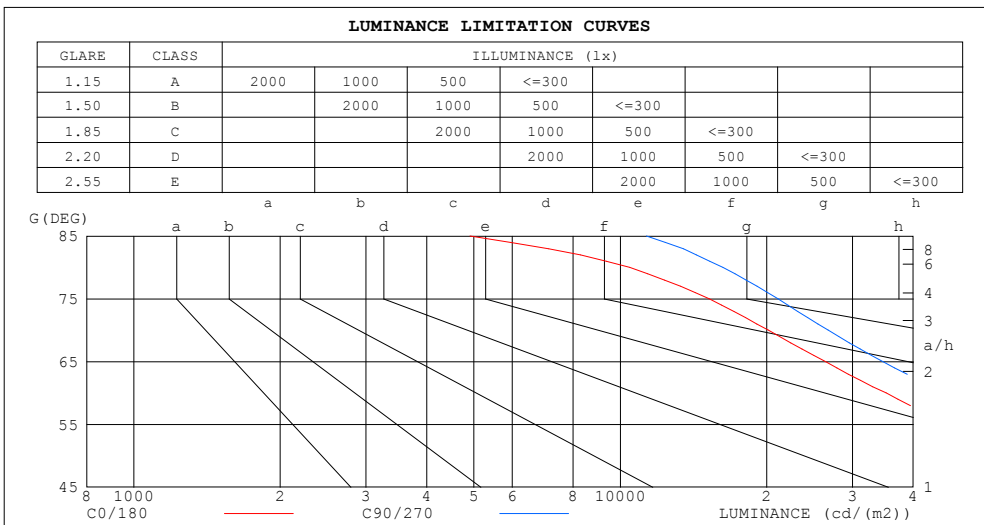
%lamp = 93.6%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G (DEG)           | C0/180 | C90/270 |
| 85                | 4907   | 11322   |
| 80                | 10462  | 16253   |
| 75                | 15222  | 21075   |
| 70                | 20148  | 26755   |
| 65                | 26379  | 34630   |
| 60                | 35183  | 46085   |
| 55                | 47109  | 62330   |
| 50                | 64032  | 86442   |
| 45                | 89369  | 120973  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | 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                         | .226 .129 .041        | .219 .125 .040 | .206 .118 .038                   | .194 .112 .036 | .182 .106 .034 |   |
| 2.0                         | .220 .120 .037        | .214 .118 .036 | .202 .112 .035                   | .191 .107 .034 | .181 .103 .032 |   |
| 3.0                         | .209 .111 .033        | .204 .109 .033 | .194 .105 .032                   | .185 .101 .031 | .176 .097 .030 |   |
| 4.0                         | .198 .103 .030        | .194 .101 .030 | .185 .098 .029                   | .176 .095 .029 | .169 .092 .028 |   |
| 5.0                         | .188 .096 .028        | .183 .094 .027 | .176 .091 .027                   | .168 .089 .026 | .161 .086 .026 |   |
| 6.0                         | .178 .089 .025        | .174 .088 .025 | .167 .085 .025                   | .160 .083 .024 | .154 .081 .024 |   |
| 7.0                         | .168 .083 .024        | .165 .082 .023 | .159 .080 .023                   | .153 .078 .023 | .147 .076 .022 |   |
| 8.0                         | .159 .078 .022        | .156 .077 .022 | .151 .075 .022                   | .146 .074 .021 | .141 .072 .021 |   |
| 9.0                         | .151 .073 .020        | .149 .072 .020 | .144 .071 .020                   | .139 .070 .020 | .134 .068 .020 |   |
| 10.0                        | .144 .069 .019        | .142 .068 .019 | .137 .067 .019                   | .133 .066 .019 | .128 .065 .019 |   |

|                             |                       |                |   |                |                |   |
|-----------------------------|-----------------------|----------------|---|----------------|----------------|---|
| <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                         | .198 .198 .198        | .169 .169 .169 | .115 .115 .115                              | .066 .066 .066 | .021 .021 .021 |   |
| 1.0                         | .182 .164 .148        | .156 .141 .128 | .106 .097 .088                              | .061 .056 .051 | .020 .018 .017 |   |
| 2.0                         | .170 .140 .114        | .146 .120 .099 | .100 .083 .069                              | .058 .048 .040 | .018 .016 .013 |   |
| 3.0                         | .160 .121 .090        | .137 .105 .078 | .094 .073 .055                              | .054 .042 .032 | .018 .014 .011 |   |
| 4.0                         | .152 .107 .073        | .130 .093 .064 | .090 .065 .045                              | .052 .038 .027 | .017 .012 .009 |   |
| 5.0                         | .144 .096 .061        | .124 .083 .053 | .085 .058 .038                              | .049 .034 .022 | .016 .011 .007 |   |
| 6.0                         | .138 .088 .052        | .118 .076 .045 | .082 .053 .032                              | .047 .031 .019 | .015 .010 .006 |   |
| 7.0                         | .131 .081 .045        | .113 .070 .039 | .078 .049 .028                              | .045 .029 .017 | .015 .009 .005 |   |
| 8.0                         | .126 .075 .040        | .108 .065 .035 | .075 .045 .025                              | .044 .027 .015 | .014 .009 .005 |   |
| 9.0                         | .120 .070 .035        | .104 .061 .031 | .072 .043 .022                              | .042 .025 .013 | .014 .008 .004 |   |
| 10.0                        | .116 .066 .032        | .100 .057 .028 | .069 .040 .020                              | .040 .024 .012 | .013 .008 .004 |   |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                  |      |      |      |                   |                |      |                  |      |      |
|--|------------------|------|------|------|-------------------|----------------|------|------------------|------|------|
| NAME: ASD-UHB3-100DAC-BK-4000K   |                  |      |      |      | TYPE:             |                |      | WEIGHT:          |      |      |
| SPEC.:   |                  |      |      |      | DIM.:             |                |      | SERIAL No.:      |      |      |
| MFR.: ASD Lighting Corp  |                  |      |      |      | SUR.:0.235*0.235m |                |      | 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  | 25.4             | 26.7 | 25.7 | 26.9 | 27.1              | 26.4           | 27.7 | 26.7             | 27.9 | 28.1 |
| 3H   | 25.6             | 26.7 | 25.9 | 26.9 | 27.2              | 26.6           | 27.7 | 26.9             | 28.0 | 28.2 |
| 4H   | 25.6             | 26.7 | 25.9 | 26.9 | 27.2              | 26.7           | 27.7 | 27.0             | 28.0 | 28.2 |
| 6H   | 25.6             | 26.6 | 25.9 | 26.8 | 27.1              | 26.7           | 27.6 | 27.0             | 27.9 | 28.2 |
| 8H   | 25.5             | 26.5 | 25.9 | 26.8 | 27.1              | 26.6           | 27.6 | 27.0             | 27.9 | 28.2 |
| 12H  | 25.5             | 26.4 | 25.8 | 26.7 | 27.0              | 26.6           | 27.5 | 27.0             | 27.8 | 28.1 |
| 4H 2H  | 25.5             | 26.5 | 25.8 | 26.8 | 27.1              | 26.4           | 27.4 | 26.7             | 27.7 | 28.0 |
| 3H   | 25.7             | 26.6 | 26.1 | 26.9 | 27.3              | 26.7           | 27.6 | 27.0             | 27.9 | 28.2 |
| 4H   | 25.8             | 26.6 | 26.2 | 26.9 | 27.3              | 26.8           | 27.6 | 27.1             | 27.9 | 28.3 |
| 6H   | 25.8             | 26.5 | 26.2 | 26.9 | 27.3              | 26.8           | 27.5 | 27.2             | 27.9 | 28.3 |
| 8H   | 25.8             | 26.5 | 26.2 | 26.8 | 27.2              | 26.8           | 27.5 | 27.2             | 27.9 | 28.3 |
| 12H  | 25.7             | 26.4 | 26.2 | 26.8 | 27.2              | 26.8           | 27.4 | 27.2             | 27.8 | 28.2 |
| 8H 4H  | 25.8             | 26.4 | 26.2 | 26.8 | 27.2              | 26.7           | 27.4 | 27.1             | 27.8 | 28.1 |
| 6H   | 25.8             | 26.4 | 26.3 | 26.8 | 27.2              | 26.8           | 27.3 | 27.2             | 27.8 | 28.2 |
| 8H   | 25.8             | 26.3 | 26.3 | 26.7 | 27.2              | 26.8           | 27.3 | 27.3             | 27.7 | 28.2 |
| 12H  | 25.8             | 26.2 | 26.3 | 26.6 | 27.1              | 26.8           | 27.2 | 27.3             | 27.7 | 28.2 |
| 12H 4H   | 25.7             | 26.3 | 26.2 | 26.7 | 27.2              | 26.7           | 27.3 | 27.1             | 27.7 | 28.1 |
| 6H   | 25.8             | 26.3 | 26.3 | 26.7 | 27.2              | 26.8           | 27.2 | 27.2             | 27.7 | 28.1 |
| 8H   | 25.8             | 26.2 | 26.3 | 26.7 | 27.1              | 26.8           | 27.2 | 27.3             | 27.7 | 28.1 |
| Variations with the observer position at spacings:                             |                  |      |      |      |                   |                |      |                  |      |      |
| S = 1.0H   | + 1.3 / - 2.1    |      |      |      |                   | + 1.2 / - 1.8  |      |                  |      |      |
| 1.5H   | + 1.6 / - 1.4    |      |      |      |                   | + 1.8 / - 1.6  |      |                  |      |      |
| 2.0H   | + 2.5 / - 2.0    |      |      |      |                   | + 3.1 / - 2.3  |      |                  |      |      |

CIE Pub.117, 15018 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 9.4)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |

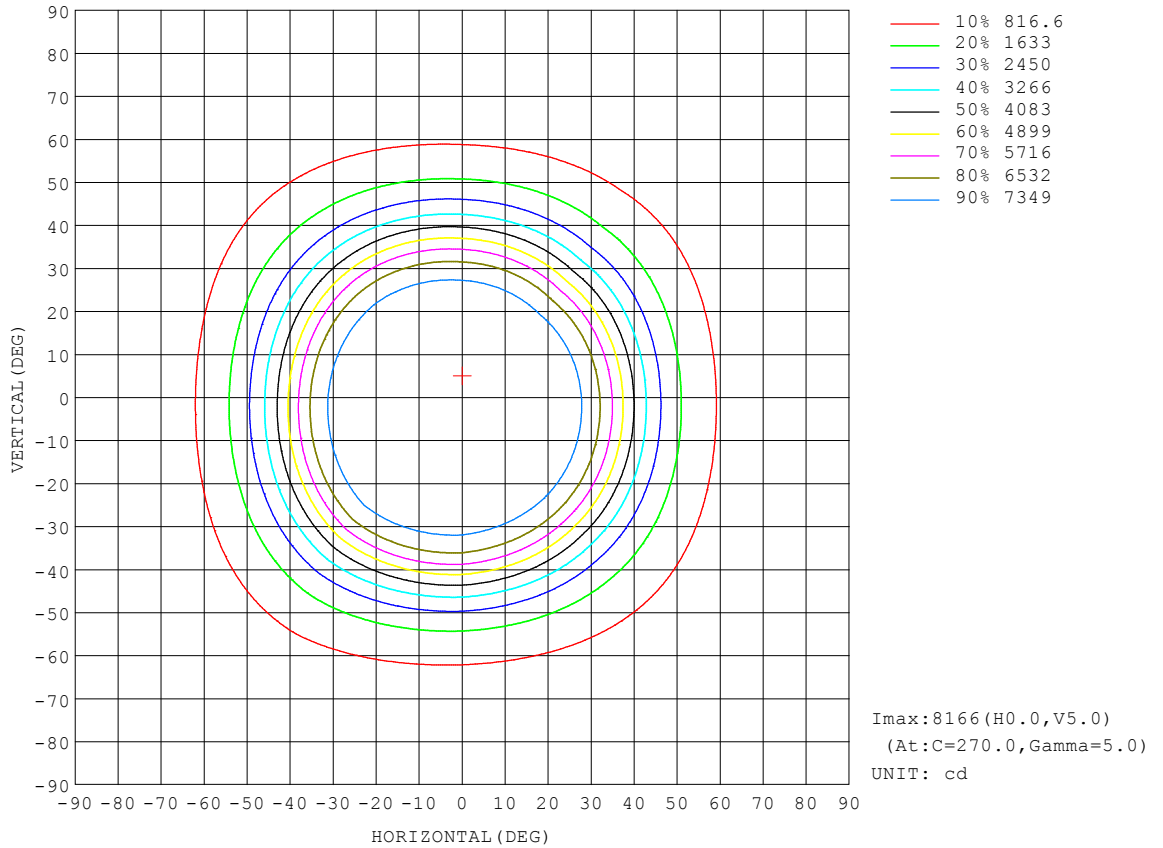
| REFLECTANCE                      |  |     |           |     |     |     |               |     |     |        |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling                          | 0.8  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 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                         | 72   | 63  | 58        | 71  | 63  | 58  | 70            | 62  | 57  | 52     |
| 0.80                             | 81   | 73  | 67        | 81  | 72  | 67  | 79            | 72  | 67  | 61     |
| 1.00                             | 89   | 80  | 75        | 87  | 80  | 75  | 86            | 80  | 74  | 69     |
| 1.25                             | 94   | 87  | 82        | 93  | 86  | 81  | 91            | 85  | 81  | 75     |
| 1.50                             | 98   | 91  | 86        | 97  | 90  | 86  | 94            | 89  | 85  | 79     |
| 2.00                             | 103  | 97  | 93        | 101 | 96  | 92  | 98            | 94  | 90  | 84     |
| 2.50                             | 105  | 100 | 96        | 104 | 99  | 95  | 100           | 96  | 93  | 86     |
| 3.00                             | 108  | 103 | 99        | 106 | 102 | 98  | 102           | 99  | 96  | 88     |
| 4.00                             | 111  | 107 | 103       | 108 | 105 | 102 | 104           | 101 | 99  | 91     |
| 5.00                             | 112  | 109 | 106       | 110 | 107 | 104 | 105           | 103 | 101 | 93     |
| ROOM INDEX                       | UF(total)  |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |  |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |

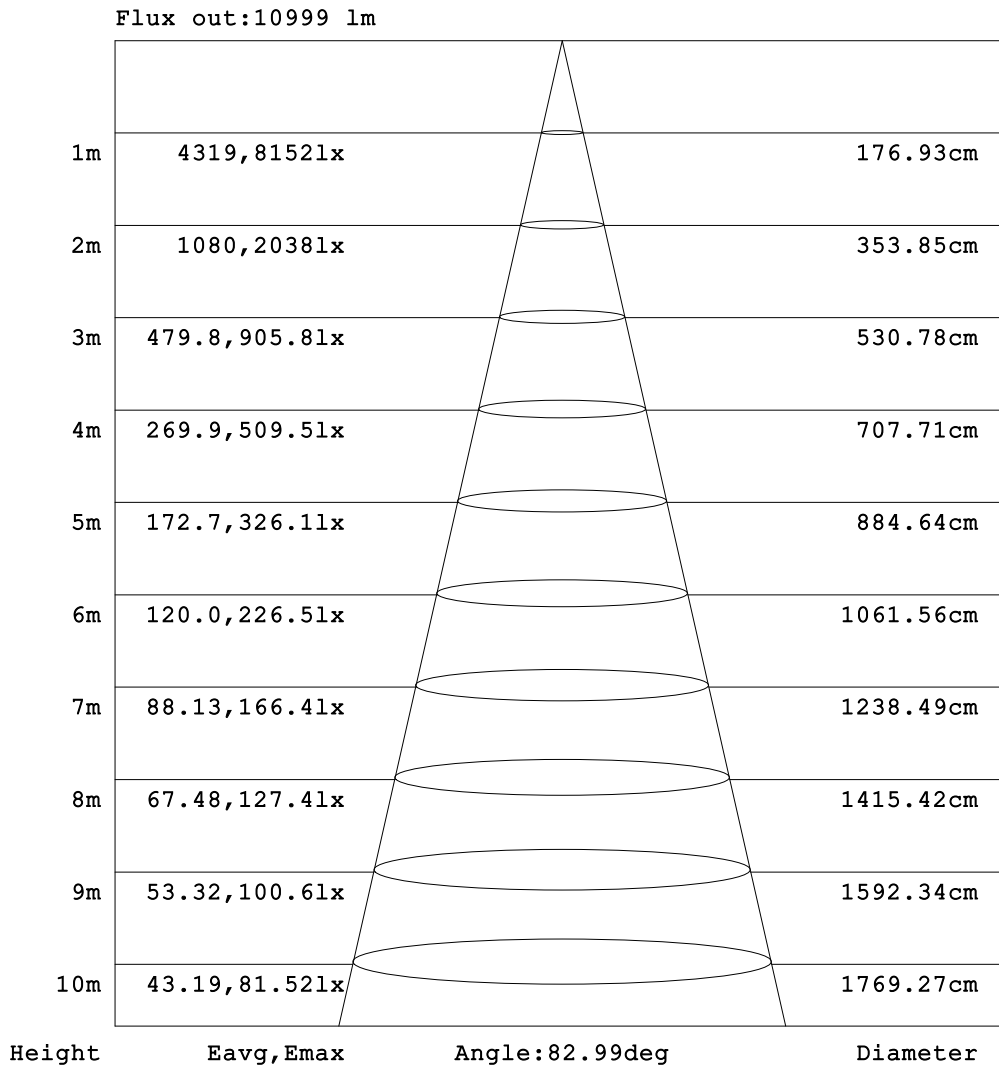


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

AAI Figure

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |



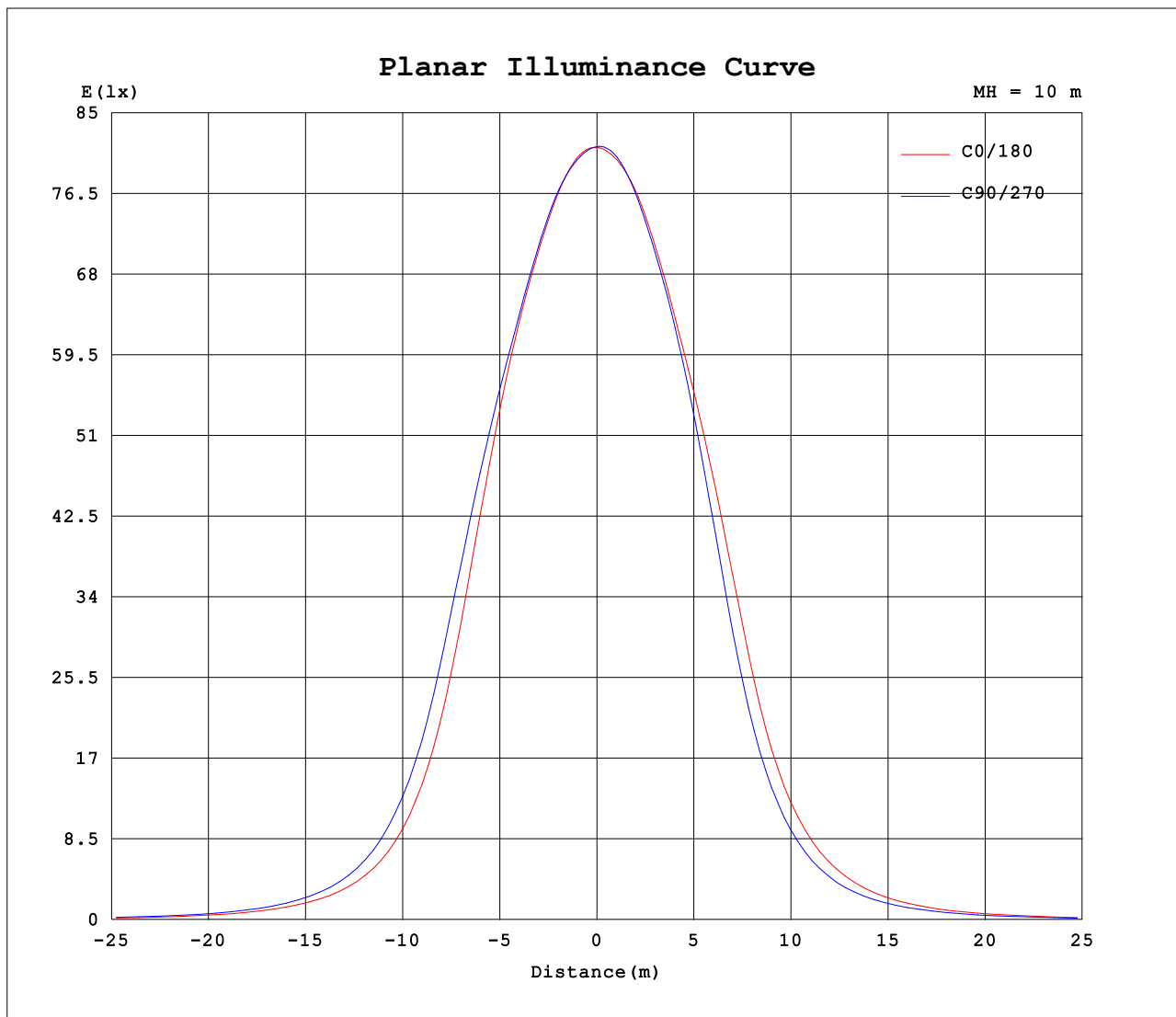
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|  |                   |                  |
|--|-------------------|------------------|
| Test:U:121.5V I:0.7810A P:94.48W PF:0.9954 Freq:59.98Hz Lamp Flux:15017.9x1 lm |                   |                  |
| NAME: ASD-UHB3-100DAC-BK-4000K   | TYPE:             | WEIGHT:          |
| SPEC.:   | DIM.:             | SERIAL No.:      |
| MFR.: ASD Lighting Corp  | SUR.:0.235*0.235m | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG)<br>□ (DEG) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0                  | 8137 | 8142 | 8145 | 8150 | 8137 | 8142 | 8145 | 8150 |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | 8152 | 8145 | 8129 | 8125 | 8132 | 8158 | 8166 | 8163 |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | 8128 | 8137 | 8136 | 8133 | 8143 | 8149 | 8131 | 8116 |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | 8053 | 8071 | 8103 | 8135 | 8108 | 8080 | 8039 | 8020 |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | 7933 | 7963 | 8004 | 8058 | 8006 | 7966 | 7906 | 7871 |  |  |  |  |  |  |  |  |  |  |  |
| 25                 | 7662 | 7785 | 7866 | 7925 | 7844 | 7766 | 7603 | 7498 |  |  |  |  |  |  |  |  |  |  |  |
| 30                 | 6975 | 7306 | 7582 | 7701 | 7498 | 7252 | 6863 | 6634 |  |  |  |  |  |  |  |  |  |  |  |
| 35                 | 5686 | 6217 | 6809 | 7086 | 6611 | 6124 | 5524 | 5137 |  |  |  |  |  |  |  |  |  |  |  |
| 40                 | 4067 | 4548 | 5308 | 5703 | 5033 | 4467 | 3953 | 3588 |  |  |  |  |  |  |  |  |  |  |  |
| 45                 | 2717 | 3070 | 3678 | 3973 | 3496 | 3063 | 2668 | 2383 |  |  |  |  |  |  |  |  |  |  |  |
| 50                 | 1770 | 1994 | 2389 | 2630 | 2329 | 2000 | 1746 | 1572 |  |  |  |  |  |  |  |  |  |  |  |
| 55                 | 1162 | 1307 | 1537 | 1703 | 1519 | 1302 | 1131 | 1036 |  |  |  |  |  |  |  |  |  |  |  |
| 60                 | 756  | 853  | 991  | 1100 | 980  | 846  | 728  | 664  |  |  |  |  |  |  |  |  |  |  |  |
| 65                 | 479  | 544  | 629  | 705  | 619  | 537  | 461  | 420  |  |  |  |  |  |  |  |  |  |  |  |
| 70                 | 296  | 338  | 393  | 444  | 383  | 333  | 283  | 255  |  |  |  |  |  |  |  |  |  |  |  |
| 75                 | 169  | 197  | 235  | 268  | 225  | 194  | 161  | 139  |  |  |  |  |  |  |  |  |  |  |  |
| 80                 | 78.1 | 96.9 | 121  | 145  | 114  | 94.0 | 71.6 | 57.1 |  |  |  |  |  |  |  |  |  |  |  |
| 85                 | 18.4 | 28.2 | 42.4 | 57.2 | 35.8 | 26.0 | 15.6 | 10.9 |  |  |  |  |  |  |  |  |  |  |  |
| 90                 | 8.39 | 6.98 | 4.89 | 6.05 | 4.10 | 6.14 | 7.01 | 7.47 |  |  |  |  |  |  |  |  |  |  |  |
| 95                 | 5.79 | 5.68 | 4.35 | 5.17 | 4.24 | 5.15 | 5.26 | 5.55 |  |  |  |  |  |  |  |  |  |  |  |
| 100                | 6.96 | 6.28 | 5.67 | 5.47 | 5.50 | 6.04 | 6.81 | 7.37 |  |  |  |  |  |  |  |  |  |  |  |
| 105                | 9.44 | 8.61 | 7.78 | 7.22 | 7.61 | 8.34 | 9.39 | 10.0 |  |  |  |  |  |  |  |  |  |  |  |
| 110                | 12.5 | 11.5 | 10.4 | 9.78 | 10.3 | 11.2 | 12.6 | 13.3 |  |  |  |  |  |  |  |  |  |  |  |
| 115                | 16.2 | 14.9 | 13.7 | 12.9 | 13.7 | 14.7 | 16.2 | 17.1 |  |  |  |  |  |  |  |  |  |  |  |
| 120                | 20.2 | 18.8 | 17.4 | 16.5 | 17.5 | 18.7 | 20.4 | 21.3 |  |  |  |  |  |  |  |  |  |  |  |
| 125                | 24.4 | 23.0 | 21.5 | 20.5 | 21.7 | 22.9 | 24.8 | 25.8 |  |  |  |  |  |  |  |  |  |  |  |
| 130                | 28.7 | 27.2 | 25.8 | 24.7 | 26.2 | 27.5 | 29.5 | 30.4 |  |  |  |  |  |  |  |  |  |  |  |
| 135                | 33.0 | 31.5 | 30.1 | 28.9 | 30.8 | 32.0 | 34.1 | 34.9 |  |  |  |  |  |  |  |  |  |  |  |
| 140                | 37.1 | 35.7 | 34.3 | 33.1 | 35.4 | 36.5 | 38.5 | 39.2 |  |  |  |  |  |  |  |  |  |  |  |
| 145                | 41.0 | 39.7 | 38.3 | 37.2 | 39.7 | 40.8 | 42.6 | 43.3 |  |  |  |  |  |  |  |  |  |  |  |
| 150                | 44.8 | 43.5 | 42.2 | 41.0 | 43.9 | 44.8 | 46.6 | 47.2 |  |  |  |  |  |  |  |  |  |  |  |
| 155                | 48.7 | 47.4 | 46.2 | 44.8 | 48.0 | 48.9 | 50.6 | 51.3 |  |  |  |  |  |  |  |  |  |  |  |
| 160                | 52.9 | 51.4 | 50.4 | 48.9 | 52.4 | 53.1 | 54.9 | 55.4 |  |  |  |  |  |  |  |  |  |  |  |
| 165                | 57.2 | 55.5 | 54.8 | 53.3 | 56.7 | 57.2 | 58.9 | 59.2 |  |  |  |  |  |  |  |  |  |  |  |
| 170                | 60.9 | 59.4 | 58.9 | 57.5 | 60.4 | 60.6 | 62.1 | 62.0 |  |  |  |  |  |  |  |  |  |  |  |
| 175                | 63.6 | 62.3 | 62.3 | 61.2 | 63.2 | 63.0 | 64.0 | 63.6 |  |  |  |  |  |  |  |  |  |  |  |
| 180                | 64.6 | 63.9 | 64.4 | 63.6 | 64.6 | 63.9 | 64.4 | 63.6 |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.1DEG  
 Operators:lianghaizhu  
 Test Date:2022-07-11

□ Range: 0 - 180DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.364  
 Humidity:56%  
 Test Distance:6.500m [K=1.0000]  
 Remarks: