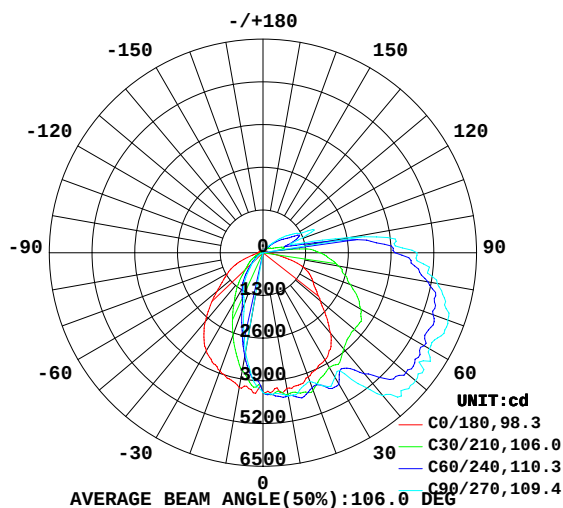


## LUMINAIRE PHOTOMETRIC TEST REPORT

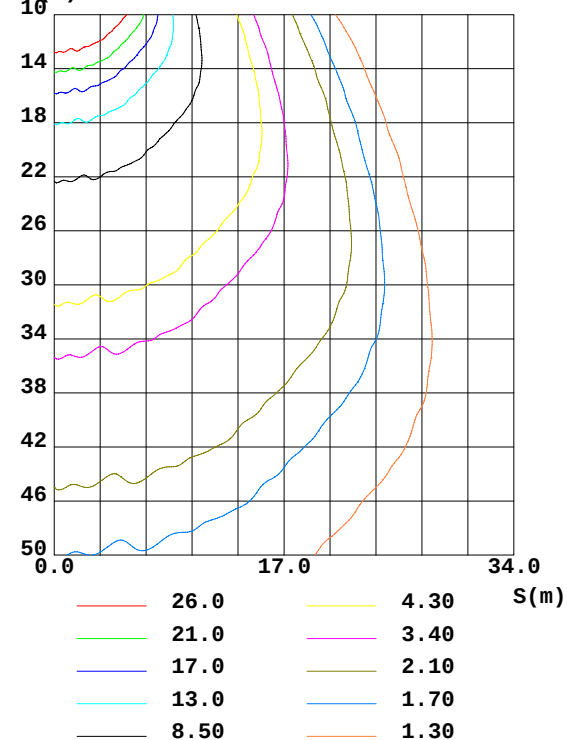
|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.: ASD-WLP01-120DAC_3000K                                                  | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

| DATA OF LAMP     |                  | PHOTOMETRIC DATA Eff: 143,02lm/W |         |                    |            |
|------------------|------------------|----------------------------------|---------|--------------------|------------|
| MODEL            | ASD-WLP01-120DAC | I <sub>max</sub> (cd)            | 6162    | S/MH(C0/180)       | 1.21       |
| NOMINAL POWER(W) | 120              | LOR(%)                           | 100.0   | S/MH(C90/270)      | 0.52       |
| RATED VOLTAGE(V) | 120-277          | TOTAL FLUX(lm)                   | 17050   | η UP, DN(C0-180)   | 12.9, 72.7 |
| NOMINAL FLUX(lm) | 17050            | CIE CLASS                        | SEMI-D. | η UP, DN(C180-360) | 0.4, 14.0  |
| LAMPS INSIDE     | 1                | η up(%)                          | 13.3    | CIBSE SHR NOM      | 1.00       |
| TEST VOLTAGE(V)  | 120              | η down(%)                        | 86.7    | CIBSE SHR MAX      | 1.15       |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

| $\gamma$ | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | $\gamma$ | $\Phi$ zone | $\Phi$ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10       | 4191                  | 4365  | 4429  | 4350  | 4170  | 3333  | 3057  | 3518  | 0- 10    | 386.7       | 386.7        | 2.28, 2.28 |
| 20       | 4025                  | 4377  | 4163  | 4341  | 3827  | 2186  | 1661  | 2354  | 10- 20   | 1035        | 1422         | 8.39, 8.39 |
| 30       | 3762                  | 4374  | 4381  | 4136  | 3449  | 1418  | 1192  | 1515  | 20- 30   | 1471        | 2893         | 17.1, 17.1 |
| 40       | 3201                  | 3979  | 5679  | 3910  | 2728  | 898.3 | 633.1 | 972.7 | 30- 40   | 1783        | 4676         | 27.6, 27.6 |
| 50       | 2280                  | 4599  | 6058  | 4086  | 1836  | 486.2 | 291.9 | 534.6 | 40- 50   | 2052        | 6728         | 39.7, 39.7 |
| 60       | 1758                  | 4551  | 5852  | 4052  | 1238  | 227.5 | 115.4 | 276.1 | 50- 60   | 2155        | 8882         | 52.4, 52.4 |
| 70       | 1324                  | 4509  | 5984  | 3649  | 687.5 | 87.13 | 4.844 | 112.4 | 60- 70   | 2134        | 11017        | 65, 65     |
| 80       | 492.2                 | 4180  | 5380  | 3371  | 241.6 | 32.51 | 6.440 | 38.79 | 70- 80   | 2003        | 13019        | 76.8, 76.8 |
| 90       | 157.1                 | 3179  | 4686  | 2593  | 135.3 | 20.24 | 6.777 | 17.18 | 80- 90   | 1674        | 14693        | 86.7, 86.7 |
| 100      | 113.4                 | 1104  | 2697  | 1035  | 91.96 | 13.71 | 13.59 | 11.74 | 90-100   | 1170        | 15863        | 93.6, 93.6 |
| 110      | 138.3                 | 714.3 | 1133  | 533.8 | 115.3 | 15.21 | 15.47 | 12.03 | 100-110  | 380.1       | 16244        | 95.8, 95.8 |
| 120      | 73.13                 | 563.0 | 1192  | 434.5 | 60.87 | 15.15 | 15.32 | 11.43 | 110-120  | 349.9       | 16594        | 97.9, 97.9 |
| 130      | 25.02                 | 339.0 | 666.6 | 278.5 | 20.74 | 12.18 | 13.90 | 8.633 | 120-130  | 209.0       | 16803        | 99.1, 99.1 |
| 140      | 7.993                 | 221.5 | 264.2 | 206.9 | 12.95 | 8.143 | 10.92 | 6.628 | 130-140  | 96.01       | 16899        | 99.7, 99.7 |
| 150      | 4.832                 | 108.1 | 135.4 | 78.32 | 6.560 | 9.032 | 5.613 | 9.249 | 140-150  | 37.98       | 16937        | 99.9, 99.9 |
| 160      | 9.080                 | 12.33 | 53.34 | 11.45 | 8.138 | 9.075 | 7.616 | 8.943 | 150-160  | 13.30       | 16950        | 100, 100   |
| 170      | 9.758                 | 9.948 | 8.737 | 10.65 | 10.97 | 10.14 | 5.156 | 4.040 | 160-170  | 3.053       | 16953        | 100, 100   |
| 180      | 5.585                 | 5.585 | 5.585 | 5.585 | 5.839 | 5.839 | 5.839 | 5.839 | 170-180  | 0.7684      | 16954        | 100, 100   |
| DEG      | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |          | UNIT: lm    |              |            |

Conical surface Flux(90deg): 5678.2 lm

%lum = 33.5%

%lamp = 33.5%

Conical surface Flux(120deg): 8882.5 lm

%lum = 52.4%

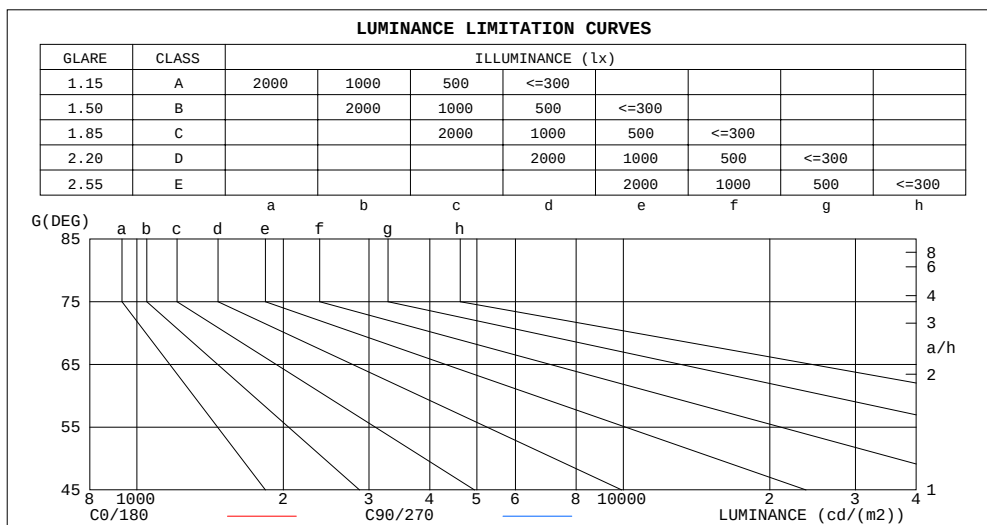
%lamp = 52.4%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Alan Wang  
Test Date: 07 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 49.6%  
Test Distance: 2.500m [K=1.0462]  
Remarks:

## LUMINANCE LIMITATION CURVES

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 54086  | 1106278 |
| 80                | 53755  | 587614  |
| 75                | 66163  | 421739  |
| 70                | 73447  | 331842  |
| 65                | 70417  | 268448  |
| 60                | 66678  | 221996  |
| 55                | 65118  | 191770  |
| 50                | 67284  | 178760  |
| 45                | 72712  | 159231  |

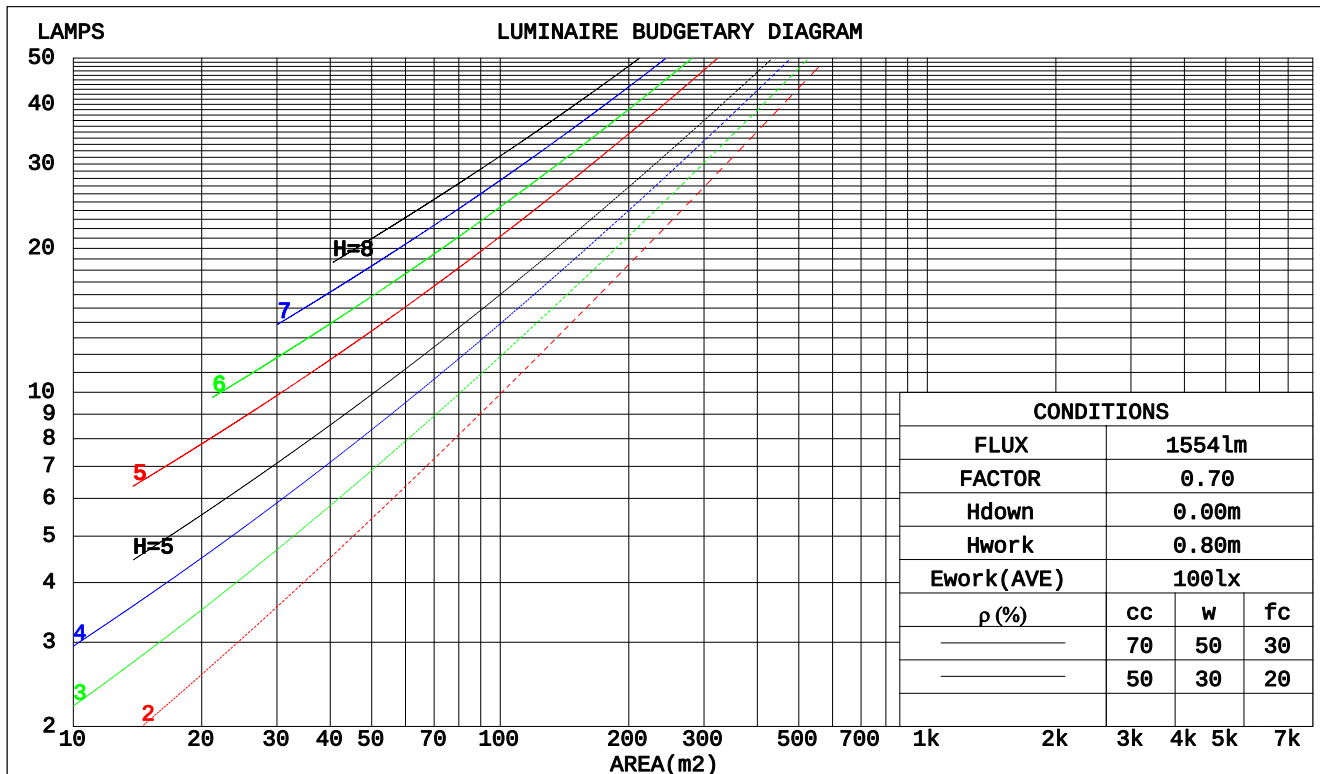
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

| $\rho_{cc}$ | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30% |     |     | 10% |     |     | 0   |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|
| $\rho_w$    | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50% | 30% | 10% | 50% | 30% | 10% | 0   |
| $\rho_{fc}$ | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20% |     |     | 20% |     |     | 0   |
| RCR         | RCR:Room Cavity Ratio |      |      |      |      |      | Coefficients of Utilization(CU) |      |      |     |     |     |     |     |     |     |
| 0.0         | 1.16                  | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.04                            | 1.04 | 1.04 | .96 | .96 | .96 | .90 | .90 | .90 | .87 |
| 1.0         | .95                   | .89  | .84  | .91  | .86  | .81  | .84                             | .80  | .76  | .78 | .74 | .71 | .72 | .69 | .67 | .63 |
| 2.0         | .80                   | .72  | .65  | .77  | .70  | .63  | .71                             | .65  | .59  | .66 | .61 | .56 | .61 | .57 | .53 | .50 |
| 3.0         | .69                   | .60  | .52  | .67  | .58  | .51  | .62                             | .54  | .48  | .57 | .51 | .46 | .53 | .48 | .43 | .40 |
| 4.0         | .61                   | .51  | .43  | .58  | .49  | .42  | .54                             | .46  | .40  | .50 | .44 | .38 | .46 | .41 | .36 | .33 |
| 5.0         | .54                   | .44  | .37  | .52  | .43  | .36  | .48                             | .40  | .34  | .45 | .38 | .33 | .42 | .36 | .31 | .28 |
| 6.0         | .48                   | .39  | .32  | .47  | .38  | .31  | .43                             | .35  | .30  | .40 | .33 | .28 | .37 | .32 | .27 | .24 |
| 7.0         | .44                   | .34  | .28  | .42  | .33  | .27  | .39                             | .32  | .26  | .37 | .30 | .25 | .34 | .28 | .24 | .21 |
| 8.0         | .40                   | .31  | .24  | .38  | .30  | .24  | .36                             | .28  | .23  | .34 | .27 | .22 | .31 | .26 | .21 | .19 |
| 9.0         | .36                   | .28  | .22  | .35  | .27  | .21  | .33                             | .26  | .21  | .31 | .24 | .20 | .29 | .23 | .19 | .17 |
| 10.0        | .33                   | .25  | .20  | .32  | .25  | .19  | .30                             | .23  | .19  | .29 | .22 | .18 | .27 | .21 | .17 | .15 |



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## WEC AND CCEC

|                                                                                |  |  |  |  |           |  |  |                  |  |
|--------------------------------------------------------------------------------|--|--|--|--|-----------|--|--|------------------|--|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |  |  |  |  |           |  |  |                  |  |
| NAME: ASD Lighting Corp                                                        |  |  |  |  | TYPE: LED |  |  | WEIGHT:          |  |
| SPEC.:                                                                         |  |  |  |  | DIM.:     |  |  | SERIAL No.:      |  |
| MFR.: ASD Lighting Corp                                                        |  |  |  |  | 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 Coeffcients(WEC) |      |      |      |      |      |      |      |      |   |  |
| 0.0  |                       |      |      |      |      |      |                                |      |      |      |      |      |      |      |      |   |  |
| 1.0  | .423                  | .240 | .076 | .411 | .235 | .075 | .390                           | .224 | .071 | .370 | .214 | .069 | .352 | .204 | .066 |   |  |
| 2.0  | .357                  | .196 | .060 | .347 | .191 | .059 | .328                           | .182 | .057 | .310 | .174 | .054 | .294 | .166 | .052 |   |  |
| 3.0  | .313                  | .167 | .050 | .304 | .163 | .049 | .287                           | .155 | .047 | .270 | .148 | .045 | .255 | .141 | .044 |   |  |
| 4.0  | .279                  | .145 | .043 | .271 | .142 | .042 | .255                           | .135 | .040 | .241 | .129 | .039 | .227 | .123 | .038 |   |  |
| 5.0  | .252                  | .128 | .037 | .244 | .125 | .037 | .230                           | .120 | .035 | .217 | .114 | .034 | .205 | .109 | .033 |   |  |
| 6.0  | .230                  | .115 | .033 | .223 | .113 | .032 | .210                           | .108 | .031 | .198 | .103 | .030 | .187 | .098 | .029 |   |  |
| 7.0  | .211                  | .104 | .030 | .205 | .102 | .029 | .193                           | .098 | .028 | .182 | .093 | .027 | .172 | .089 | .026 |   |  |
| 8.0  | .195                  | .095 | .027 | .189 | .093 | .026 | .179                           | .089 | .025 | .168 | .085 | .025 | .159 | .082 | .024 |   |  |
| 9.0  | .181                  | .088 | .024 | .176 | .086 | .024 | .166                           | .082 | .023 | .157 | .079 | .023 | .148 | .075 | .022 |   |  |
| 10.0 | .169                  | .081 | .023 | .164 | .079 | .022 | .155                           | .076 | .021 | .147 | .073 | .021 | .139 | .070 | .020 |   |  |

| ρ <sub>CC</sub> | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|-----------------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| ρ <sub>W</sub>  | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| ρ <sub>fc</sub> | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR             | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0             | .292                  | .292 | .292 | .250 | .250 | .250 | .170                                       | .170 | .170 | .098 | .098 | .098 | .031 | .031 | .031 |   |
| 1.0             | .291                  | .258 | .228 | .249 | .221 | .196 | .170                                       | .152 | .136 | .098 | .088 | .079 | .031 | .028 | .026 |   |
| 2.0             | .284                  | .235 | .193 | .243 | .202 | .167 | .167                                       | .140 | .116 | .096 | .081 | .068 | .031 | .026 | .022 |   |
| 3.0             | .276                  | .218 | .172 | .237 | .188 | .149 | .163                                       | .131 | .105 | .094 | .076 | .062 | .030 | .025 | .020 |   |
| 4.0             | .268                  | .206 | .158 | .230 | .178 | .137 | .158                                       | .124 | .097 | .092 | .073 | .057 | .029 | .024 | .019 |   |
| 5.0             | .260                  | .196 | .148 | .224 | .170 | .129 | .154                                       | .118 | .091 | .089 | .070 | .054 | .029 | .023 | .018 |   |
| 6.0             | .252                  | .188 | .142 | .217 | .163 | .123 | .150                                       | .114 | .087 | .087 | .067 | .052 | .028 | .022 | .017 |   |
| 7.0             | .245                  | .181 | .137 | .211 | .157 | .119 | .146                                       | .110 | .084 | .085 | .065 | .050 | .027 | .021 | .017 |   |
| 8.0             | .238                  | .176 | .133 | .205 | .152 | .116 | .142                                       | .107 | .082 | .082 | .063 | .049 | .027 | .021 | .016 |   |
| 9.0             | .231                  | .171 | .130 | .199 | .148 | .113 | .138                                       | .104 | .080 | .080 | .062 | .048 | .026 | .020 | .016 |   |
| 10.0            | .225                  | .167 | .127 | .194 | .145 | .111 | .135                                       | .102 | .079 | .079 | .060 | .047 | .025 | .020 | .016 |   |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## UGR(Unified Glare Rating) Table

|                                                                                |                  |      |      |      |           |                |      |                  |      |      |
|--------------------------------------------------------------------------------|------------------|------|------|------|-----------|----------------|------|------------------|------|------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |                  |      |      |      |           |                |      |                  |      |      |
| NAME: ASD Lighting Corp                                                        |                  |      |      |      | TYPE: LED |                |      | WEIGHT:          |      |      |
| SPEC.:                                                                         |                  |      |      |      | 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                                                                  | 27.5             | 29.0 | 28.0 | 29.5 | 30.2      | 32.5           | 34.0 | 33.1             | 34.6 | 35.2 |
| 3H                                                                             | 29.7             | 31.0 | 30.2 | 31.6 | 32.3      | 36.3           | 37.7 | 36.8             | 38.2 | 38.9 |
| 4H                                                                             | 30.5             | 31.8 | 31.1 | 32.4 | 33.1      | 38.1           | 39.4 | 38.7             | 40.0 | 40.7 |
| 6H                                                                             | 31.1             | 32.4 | 31.7 | 33.0 | 33.7      | 40.0           | 41.3 | 40.6             | 41.9 | 42.6 |
| 8H                                                                             | 31.3             | 32.5 | 31.9 | 33.2 | 33.8      | 41.0           | 42.2 | 41.6             | 42.9 | 43.5 |
| 12H                                                                            | 31.5             | 32.6 | 32.1 | 33.3 | 34.0      | 42.2           | 43.3 | 42.8             | 43.9 | 44.7 |
| 4H 2H                                                                          | 30.1             | 31.4 | 30.7 | 32.0 | 32.7      | 32.9           | 34.3 | 33.5             | 34.8 | 35.5 |
| 3H                                                                             | 32.3             | 33.4 | 32.9 | 34.1 | 34.8      | 37.1           | 38.2 | 37.7             | 38.9 | 39.6 |
| 4H                                                                             | 33.3             | 34.3 | 33.9 | 35.0 | 35.7      | 39.2           | 40.3 | 39.9             | 40.9 | 41.7 |
| 6H                                                                             | 34.1             | 35.1 | 34.7 | 35.7 | 36.5      | 41.5           | 42.4 | 42.1             | 43.1 | 43.8 |
| 8H                                                                             | 34.4             | 35.3 | 35.1 | 36.0 | 36.7      | 42.6           | 43.5 | 43.2             | 44.1 | 44.9 |
| 12H                                                                            | 34.7             | 35.5 | 35.3 | 36.2 | 37.0      | 43.9           | 44.7 | 44.5             | 45.4 | 46.1 |
| 8H 4H                                                                          | 35.6             | 36.5 | 36.3 | 37.2 | 37.9      | 39.6           | 40.5 | 40.2             | 41.1 | 41.9 |
| 6H                                                                             | 36.8             | 37.6 | 37.5 | 38.3 | 39.0      | 42.1           | 42.9 | 42.8             | 43.6 | 44.4 |
| 8H                                                                             | 37.3             | 38.0 | 38.0 | 38.7 | 39.5      | 43.5           | 44.2 | 44.2             | 44.9 | 45.7 |
| 12H                                                                            | 37.7             | 38.4 | 38.4 | 39.0 | 39.9      | 45.1           | 45.7 | 45.8             | 46.4 | 47.2 |
| 12H 4H                                                                         | 36.4             | 37.2 | 37.1 | 37.9 | 38.7      | 39.6           | 40.4 | 40.3             | 41.1 | 41.9 |
| 6H                                                                             | 37.9             | 38.6 | 38.6 | 39.3 | 40.1      | 42.2           | 43.0 | 42.9             | 43.6 | 44.4 |
| 8H                                                                             | 38.6             | 39.3 | 39.3 | 39.9 | 40.8      | 43.7           | 44.4 | 44.4             | 45.1 | 45.9 |
| CIE190: 2010                                                                   |                  |      |      |      |           |                |      |                  |      |      |
|                                                                                |                  |      |      |      |           |                |      |                  |      |      |

CIE190: 2010  
Area: 0.052725 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Alan Wang  
Test Date: 07 July 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 49.6%  
Test Distance: 2.500m [K=1.0462]  
Remarks:

## UTILIZATION FACTORS TABLE

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

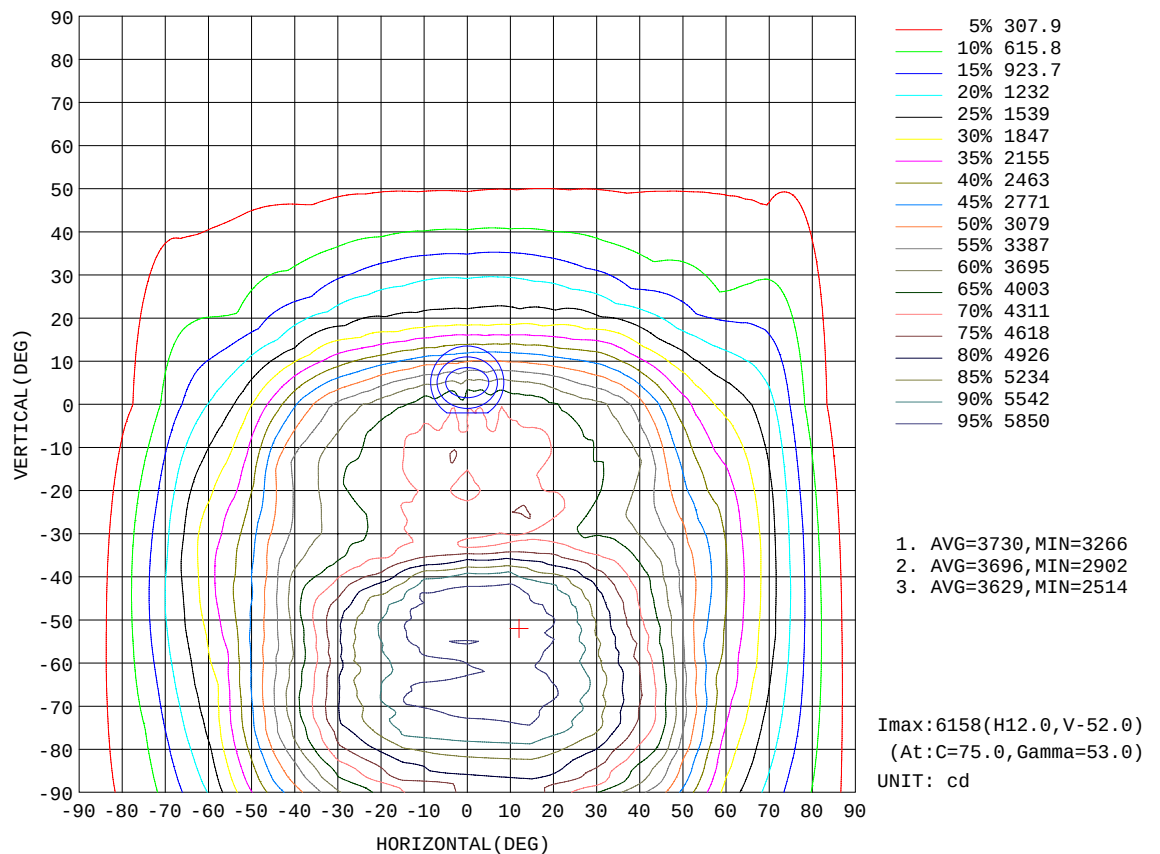
| REFLECTANCE                      |                                                     |     |           |     |     |     |     |               |     |        |
|----------------------------------|-----------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| 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) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 47                                                  | 35  | 27        | 47  | 34  | 27  | 45  | 34            | 27  | 20     |
| 0.80                             | 56                                                  | 43  | 35        | 55  | 42  | 34  | 53  | 41            | 34  | 26     |
| 1.00                             | 64                                                  | 51  | 42        | 62  | 50  | 41  | 59  | 51            | 40  | 32     |
| 1.25                             | 71                                                  | 58  | 49        | 69  | 56  | 48  | 65  | 54            | 47  | 37     |
| 1.50                             | 76                                                  | 63  | 54        | 73  | 62  | 53  | 69  | 59            | 52  | 42     |
| 2.00                             | 83                                                  | 71  | 63        | 80  | 70  | 61  | 75  | 66            | 59  | 48     |
| 2.50                             | 88                                                  | 77  | 68        | 85  | 75  | 67  | 79  | 71            | 64  | 52     |
| 3.00                             | 92                                                  | 82  | 74        | 88  | 79  | 72  | 82  | 75            | 69  | 56     |
| 4.00                             | 97                                                  | 88  | 81        | 93  | 85  | 79  | 87  | 80            | 75  | 62     |
| 5.00                             | 100                                                 | 92  | 86        | 96  | 89  | 83  | 89  | 84            | 79  | 65     |
| 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: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## ISOCANDELA DIAGRAM

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |



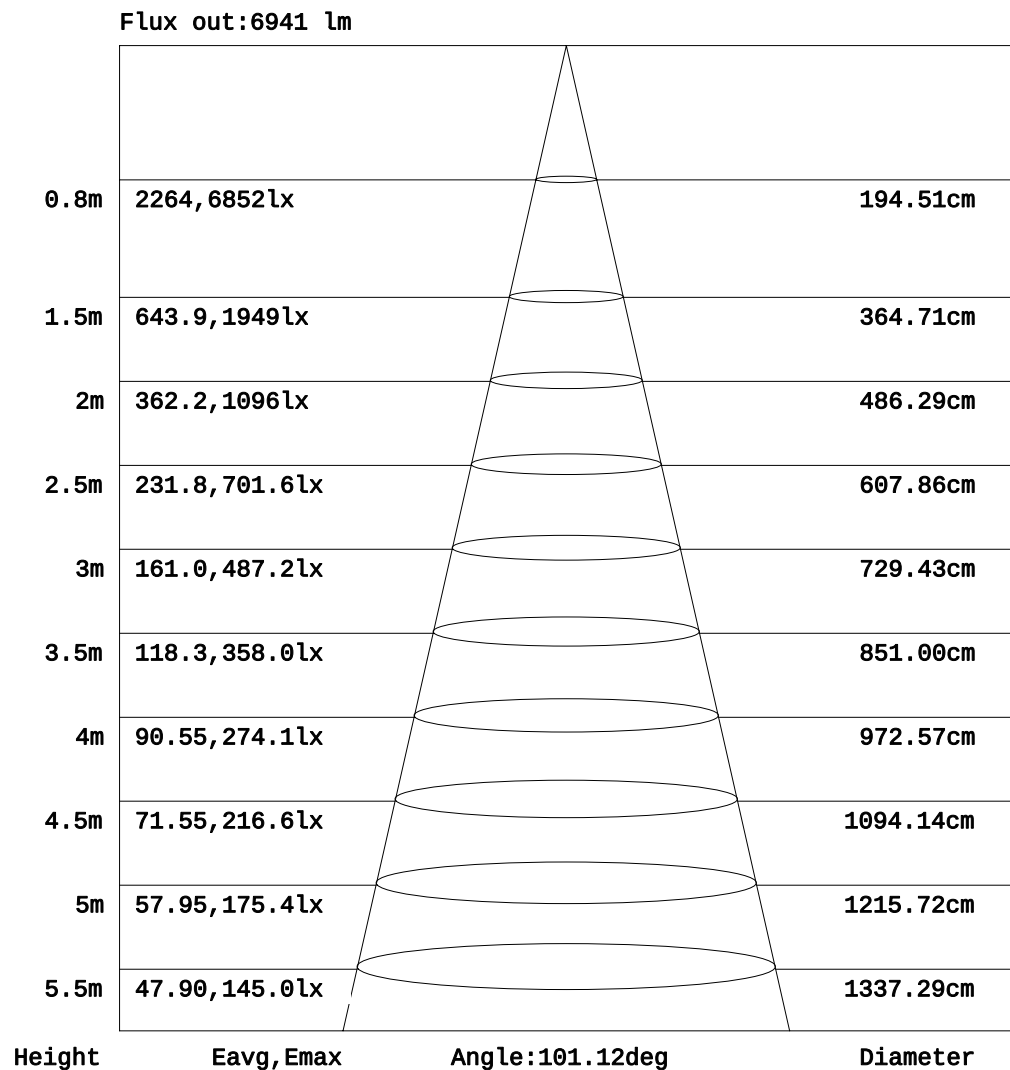
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Alan Wang  
Test Date: 07 July 2021

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 49.6%  
Test Distance: 2.500m [K=1.0462]  
Remarks:



## AAI Figure

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |



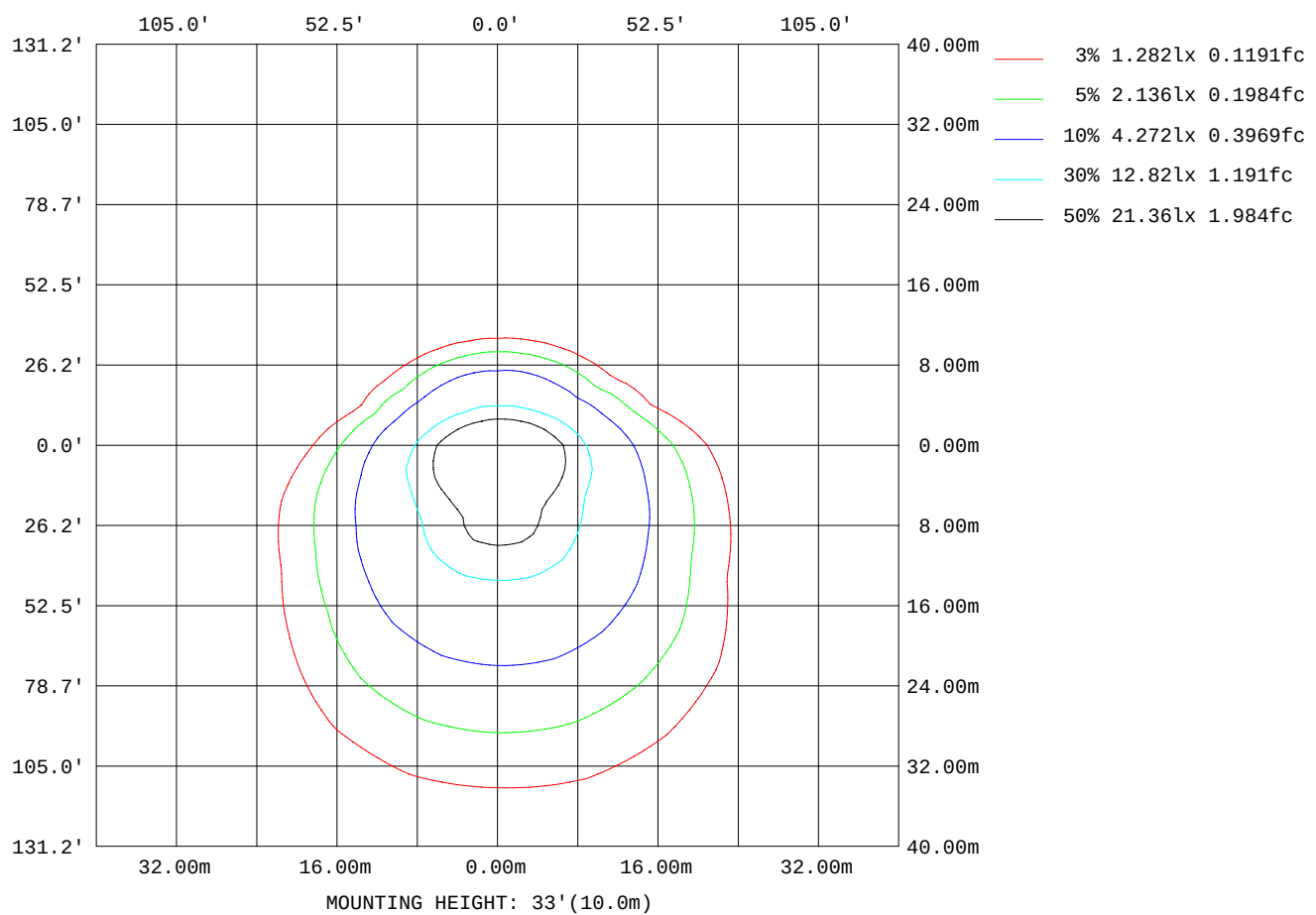
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## ISOLUX DIAGRAM

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Alan Wang  
Test Date: 07 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 49.6%  
Test Distance: 2.500m [K=1.0462]  
Remarks:

## LED Avg.L Report

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

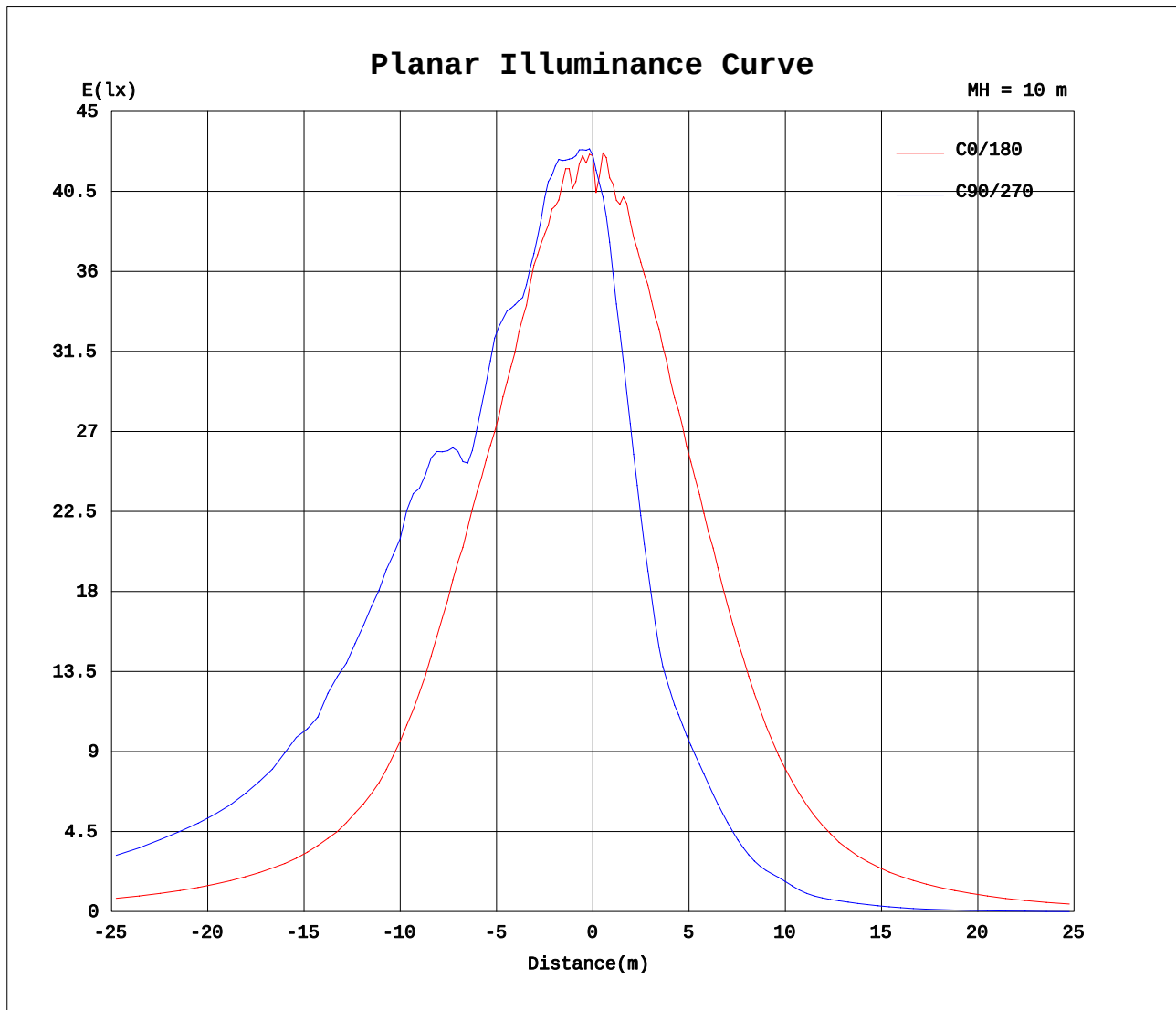
| AvgL           | cd/m2  |
|----------------|--------|
| L_0~180(65)av  | 57390  |
| L_0~180(75)av  | 47921  |
| L_0~180(85)av  | 44450  |
| L_90~270(65)av | 135356 |
| L_90~270(75)av | 211080 |
| L_90~270(85)av | 553861 |
| L_45(65)av     | 96838  |
| L_45(75)av     | 147445 |
| L_45(85)av     | 365127 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Alan Wang  
Test Date: 07 July 2021

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
Humidity: 49.6%  
Test Distance: 2.500m [K=1.0462]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 15   | 30   | 45   | 60   | 75   | 90   | 105  | 120  | 135  | 150  | 165   | 180  | 195  | 210  | 225  | 240  | 255  | 270  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|
| 0                 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251  | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 | 4251 |
| 5                 | 4153 | 4215 | 4275 | 4383 | 4377 | 4372 | 4300 | 4213 | 4393 | 4389 | 4294 | 4246  | 4174 | 4104 | 4043 | 3970 | 3809 | 3666 | 3809 |
| 10                | 4191 | 4297 | 4379 | 4365 | 4422 | 4489 | 4429 | 4591 | 4441 | 4350 | 4325 | 4246  | 4170 | 3945 | 3638 | 3333 | 3197 | 3040 | 3057 |
| 15                | 4173 | 4241 | 4422 | 4552 | 4574 | 4578 | 4325 | 4553 | 4451 | 4475 | 4346 | 4158  | 3977 | 3631 | 3164 | 2803 | 2462 | 2340 | 2293 |
| 20                | 4025 | 4229 | 4459 | 4377 | 4372 | 4410 | 4163 | 4355 | 4422 | 4341 | 4227 | 4100  | 3827 | 3279 | 2673 | 2186 | 1883 | 1709 | 1661 |
| 25                | 3888 | 4111 | 4189 | 4292 | 4501 | 4540 | 4479 | 4470 | 4315 | 4235 | 4104 | 3980  | 3665 | 2895 | 2200 | 1689 | 1499 | 1444 | 1410 |
| 30                | 3762 | 4009 | 4035 | 4374 | 4622 | 4368 | 4381 | 4490 | 4293 | 4136 | 4109 | 3809  | 3449 | 2535 | 1766 | 1418 | 1274 | 1230 | 1192 |
| 35                | 3580 | 3905 | 4073 | 4159 | 4297 | 4573 | 4709 | 4469 | 4226 | 3975 | 3946 | 3673  | 3136 | 2123 | 1434 | 1163 | 1037 | 953  | 911  |
| 40                | 3201 | 3783 | 3822 | 3979 | 4816 | 5575 | 5679 | 5333 | 4345 | 3910 | 3700 | 3537  | 2728 | 1691 | 1114 | 898  | 756  | 664  | 633  |
| 45                | 2711 | 3451 | 3665 | 4342 | 5456 | 5983 | 5936 | 5889 | 4831 | 3933 | 3510 | 3223  | 2271 | 1296 | 810  | 660  | 548  | 491  | 479  |
| 50                | 2280 | 2990 | 3638 | 4599 | 5680 | 6084 | 6058 | 5950 | 5302 | 4086 | 3380 | 2672  | 1836 | 966  | 621  | 486  | 376  | 313  | 292  |
| 55                | 1969 | 2700 | 3645 | 4651 | 5652 | 6025 | 5799 | 5937 | 5372 | 4282 | 3213 | 2238  | 1487 | 674  | 498  | 333  | 262  | 219  | 212  |
| 60                | 1758 | 2522 | 3446 | 4551 | 5666 | 5944 | 5852 | 5760 | 5314 | 4052 | 2891 | 2075  | 1238 | 481  | 380  | 228  | 156  | 131  | 115  |
| 65                | 1569 | 2343 | 3167 | 4538 | 5557 | 6045 | 5982 | 5815 | 5123 | 3750 | 2634 | 1923  | 989  | 388  | 272  | 157  | 88.7 | 60.1 | 50.4 |
| 70                | 1324 | 2071 | 2832 | 4509 | 5504 | 6089 | 5984 | 5879 | 5099 | 3649 | 2310 | 1631  | 688  | 329  | 188  | 87.1 | 27.5 | 7.22 | 4.84 |
| 75                | 903  | 1777 | 2570 | 4381 | 5394 | 5847 | 5755 | 5680 | 5002 | 3573 | 1993 | 1327  | 405  | 271  | 128  | 40.7 | 12.4 | 7.13 | 5.74 |
| 80                | 492  | 1468 | 2321 | 4180 | 5096 | 5487 | 5380 | 5241 | 4667 | 3371 | 1739 | 1014  | 242  | 212  | 92.3 | 32.5 | 12.5 | 7.92 | 6.44 |
| 85                | 249  | 1150 | 2032 | 3669 | 4630 | 5194 | 5084 | 4823 | 4134 | 2989 | 1514 | 687   | 160  | 167  | 72.9 | 26.0 | 12.6 | 8.02 | 6.64 |
| 90                | 157  | 827  | 1735 | 3179 | 4021 | 4765 | 4686 | 4298 | 3664 | 2593 | 1246 | 444   | 135  | 140  | 56.9 | 20.2 | 12.3 | 7.83 | 6.78 |
| 95                | 137  | 509  | 1342 | 2650 | 3467 | 4115 | 4070 | 3613 | 3122 | 2194 | 869  | 265   | 130  | 118  | 42.9 | 15.9 | 11.5 | 8.35 | 7.64 |
| 100               | 113  | 211  | 436  | 1104 | 2002 | 2601 | 2697 | 2335 | 1896 | 1035 | 292  | 136   | 92.0 | 71.3 | 22.0 | 13.7 | 13.0 | 13.3 | 13.6 |
| 105               | 70.9 | 161  | 659  | 488  | 742  | 971  | 1019 | 991  | 584  | 396  | 394  | 127   | 63.6 | 51.4 | 28.6 | 13.4 | 12.5 | 14.1 | 14.8 |
| 110               | 138  | 128  | 469  | 714  | 965  | 1202 | 1133 | 1063 | 769  | 534  | 287  | 119   | 115  | 48.0 | 25.0 | 15.2 | 15.6 | 14.6 | 15.5 |
| 115               | 109  | 87.3 | 328  | 648  | 1230 | 1720 | 1686 | 1513 | 895  | 504  | 225  | 92.1  | 87.3 | 34.8 | 21.5 | 15.4 | 16.1 | 14.2 | 15.6 |
| 120               | 73.1 | 58.9 | 272  | 563  | 923  | 1186 | 1192 | 1061 | 819  | 435  | 178  | 72.2  | 60.9 | 26.0 | 17.5 | 15.2 | 15.6 | 14.7 | 15.3 |
| 125               | 48.6 | 46.0 | 241  | 438  | 705  | 908  | 924  | 822  | 616  | 387  | 158  | 55.8  | 41.1 | 18.1 | 13.8 | 14.1 | 14.1 | 14.1 | 14.6 |
| 130               | 25.0 | 20.1 | 217  | 339  | 515  | 660  | 667  | 609  | 440  | 279  | 156  | 33.4  | 20.7 | 9.87 | 13.9 | 12.2 | 11.2 | 12.9 | 13.9 |
| 135               | 8.14 | 33.7 | 190  | 253  | 334  | 432  | 439  | 396  | 294  | 237  | 115  | 14.8  | 16.4 | 16.6 | 12.7 | 10.5 | 10.4 | 8.50 | 9.56 |
| 140               | 7.99 | 25.8 | 127  | 221  | 221  | 259  | 264  | 247  | 206  | 207  | 73.5 | 19.6  | 12.9 | 13.0 | 8.55 | 8.14 | 9.51 | 9.68 | 10.9 |
| 145               | 7.28 | 14.6 | 61.1 | 167  | 174  | 175  | 171  | 168  | 164  | 141  | 34.8 | 12.8  | 9.07 | 9.01 | 7.38 | 8.89 | 9.17 | 9.37 | 8.47 |
| 150               | 4.83 | 6.95 | 17.0 | 108  | 135  | 140  | 135  | 133  | 122  | 78.3 | 15.6 | 6.85  | 6.56 | 6.65 | 7.52 | 9.03 | 10.0 | 8.82 | 5.61 |
| 155               | 8.60 | 9.01 | 11.8 | 43.0 | 81.5 | 98.3 | 102  | 94.3 | 68.0 | 31.8 | 9.43 | 6.31  | 6.89 | 7.61 | 7.00 | 9.63 | 9.12 | 9.52 | 6.61 |
| 160               | 9.08 | 9.43 | 9.14 | 12.3 | 32.8 | 48.5 | 53.3 | 46.4 | 30.8 | 11.4 | 7.43 | 7.56  | 8.14 | 8.56 | 7.74 | 9.08 | 9.51 | 9.51 | 7.62 |
| 165               | 9.51 | 9.93 | 9.70 | 9.54 | 10.5 | 11.8 | 12.2 | 11.7 | 10.5 | 10.0 | 9.73 | 10.00 | 10.3 | 10.4 | 10.1 | 8.58 | 7.97 | 8.32 | 6.68 |
| 170               | 9.76 | 10.2 | 10.2 | 9.95 | 9.37 | 8.57 | 8.74 | 9.75 | 10.1 | 10.6 | 11.1 | 11.4  | 11.0 | 10.9 | 10.2 | 10.1 | 9.45 | 7.70 | 5.16 |
| 175               | 6.56 | 6.96 | 7.13 | 7.00 | 6.80 | 6.86 | 6.85 | 8.94 | 10.4 | 11.0 | 11.2 | 11.1  | 10.7 | 10.6 | 10.2 | 9.80 | 9.06 | 7.61 | 5.22 |
| 180               | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58 | 5.58  | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

|                                                                                |           |                  |
|--------------------------------------------------------------------------------|-----------|------------------|
| Test:U:120.00V I:0.9958A P:119.22W PF:0.9977 Freq:60.00Hz Lamp Flux:17050x1 lm |           |                  |
| NAME: ASD Lighting Corp                                                        | TYPE: LED | WEIGHT:          |
| SPEC.:                                                                         | DIM.:     | SERIAL No.:      |
| MFR.: ASD Lighting Corp                                                        | SUR.:     | Shielding Angle: |

Table--2

UNIT: cd

| C(DEC)<br>γ (DEC) | 285  | 300  | 315  | 330  | 345  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0                 | 4251 | 4251 | 4251 | 4251 | 4251 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                 | 3798 | 3892 | 3985 | 4009 | 4075 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                | 3140 | 3214 | 3518 | 3794 | 4011 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                | 2345 | 2599 | 2939 | 3364 | 3849 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                | 1721 | 1953 | 2354 | 2926 | 3563 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25                | 1480 | 1543 | 1831 | 2440 | 3232 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30                | 1247 | 1327 | 1515 | 2009 | 2911 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35                | 988  | 1084 | 1253 | 1634 | 2534 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40                | 695  | 816  | 973  | 1287 | 2072 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45                | 501  | 583  | 733  | 941  | 1645 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50                | 325  | 408  | 535  | 697  | 1288 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                | 223  | 282  | 387  | 545  | 976  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60                | 134  | 179  | 276  | 431  | 705  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65                | 63.7 | 95.0 | 186  | 337  | 513  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70                | 6.19 | 31.7 | 112  | 255  | 399  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 75                | 5.93 | 9.78 | 53.6 | 188  | 320  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80                | 6.64 | 7.93 | 38.8 | 137  | 256  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85                | 6.70 | 7.45 | 27.4 | 99.7 | 199  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90                | 6.46 | 6.06 | 17.2 | 75.0 | 163  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95                | 7.32 | 6.45 | 13.1 | 56.4 | 137  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100               | 12.5 | 9.46 | 11.7 | 19.9 | 85.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105               | 14.2 | 11.4 | 10.2 | 29.3 | 47.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110               | 14.9 | 12.5 | 12.0 | 24.1 | 41.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115               | 15.3 | 13.3 | 12.2 | 18.9 | 28.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120               | 15.1 | 13.3 | 11.4 | 14.3 | 18.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125               | 14.4 | 12.8 | 9.12 | 11.1 | 14.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130               | 13.5 | 9.75 | 8.63 | 8.77 | 8.40 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135               | 8.68 | 9.86 | 8.04 | 8.67 | 13.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140               | 10.1 | 8.75 | 6.63 | 8.55 | 10.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 145               | 9.98 | 8.83 | 8.62 | 6.52 | 8.03 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 150               | 7.98 | 9.28 | 9.25 | 8.72 | 5.63 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 155               | 7.30 | 8.99 | 8.89 | 9.12 | 8.21 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 160               | 7.34 | 6.96 | 8.94 | 8.87 | 9.51 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165               | 5.56 | 5.32 | 6.10 | 7.73 | 10.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 170               | 3.90 | 4.10 | 4.04 | 5.05 | 6.68 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 175               | 4.21 | 4.11 | 4.04 | 4.51 | 5.45 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 180               | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 |  |  |  |  |  |  |  |  |  |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Alan Wang  
 Test Date: 07 July 2021

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE G0-R5000\_V2 SYSTEM V2.00.442T2  
 Humidity: 49.6%  
 Test Distance: 2.500m [K=1.0462]  
 Remarks: