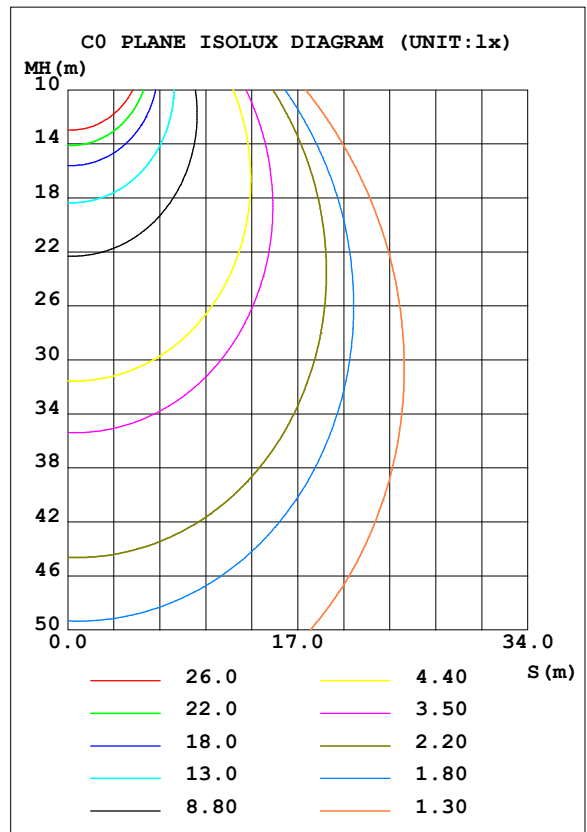
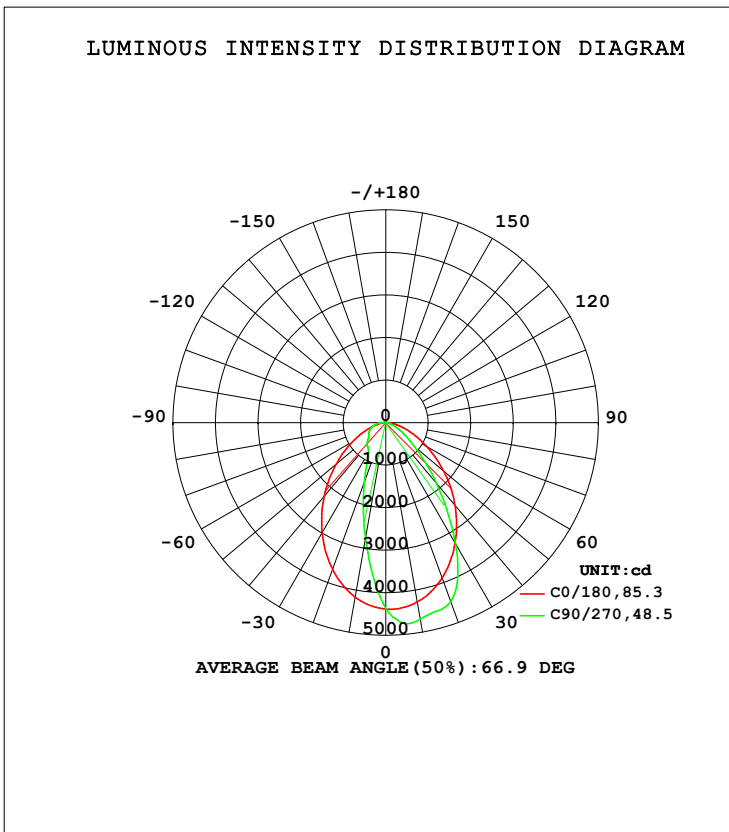


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 136 lm/W | | | |
|-------------------|--------------------|--------------------------------|--------|---------------------|-----------|
| MODEL | ASD-WLP03-50D50-BZ | I _{max} (cd) | 4756 | S/MH (C0/180) | 1.05 |
| NOMINAL POWER (W) | 50 | LOR (%) | 100.0 | S/MH (C90/270) | 0.45 |
| RATED VOLTAGE (V) | 120-277 | TOTAL FLUX (lm) | 6800 | η UP, DN (C0-180) | 0.4, 63.2 |
| NOMINAL FLUX (lm) | 6800 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.6, 35.9 |
| LAMPS INSIDE | 1 | η up (%) | 1.0 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE (V) | 120 | η down (%) | 99.0 | CIBSE SHR MAX | 0.95 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 4279 | 4713 | 4686 | 4645 | 4165 | 3131 | 2760 | 3206 | 0- 10 | 395.4 | 395.4 | 5.73,5.73 |
| 20 | 3881 | 4383 | 4477 | 4269 | 3666 | 1969 | 1476 | 2062 | 10- 20 | 1012 | 1408 | 20.4,20.4 |
| 30 | 3262 | 3878 | 3280 | 3735 | 2996 | 1147 | 825.4 | 1222 | 20- 30 | 1340 | 2748 | 39.8,39.8 |
| 40 | 2536 | 2803 | 1849 | 2679 | 2251 | 734.0 | 691.3 | 772.5 | 30- 40 | 1346 | 4094 | 59.4,59.4 |
| 50 | 1785 | 1710 | 894.1 | 1611 | 1527 | 554.8 | 527.4 | 580.2 | 40- 50 | 1121 | 5215 | 75.6,75.6 |
| 60 | 1099 | 888.5 | 432.8 | 819.9 | 910.4 | 413.3 | 457.7 | 438.7 | 50- 60 | 805.5 | 6021 | 87.3,87.3 |
| 70 | 570.6 | 362.8 | 178.1 | 313.4 | 442.0 | 270.9 | 362.8 | 293.1 | 60- 70 | 500.5 | 6521 | 94.6,94.6 |
| 80 | 200.6 | 73.58 | 40.96 | 51.93 | 126.2 | 141.8 | 234.4 | 161.8 | 70- 80 | 241.8 | 6763 | 98.1,98.1 |
| 90 | 4.437 | 1.539 | 1.732 | 1.688 | 2.798 | 23.34 | 75.94 | 37.30 | 80- 90 | 67.95 | 6831 | 99,99 |
| 100 | 4.104 | 2.309 | 2.370 | 2.516 | 4.448 | 4.129 | 2.691 | 3.930 | 90-100 | 6.870 | 6838 | 99.1,99.1 |
| 110 | 6.517 | 3.550 | 3.213 | 3.778 | 6.965 | 6.944 | 5.081 | 6.655 | 100-110 | 4.507 | 6842 | 99.2,99.2 |
| 120 | 9.481 | 5.500 | 4.422 | 5.703 | 10.00 | 10.45 | 8.825 | 10.14 | 110-120 | 6.576 | 6849 | 99.3,99.3 |
| 130 | 12.84 | 8.383 | 6.533 | 8.483 | 13.41 | 14.32 | 13.49 | 14.03 | 120-130 | 8.679 | 6857 | 99.4,99.4 |
| 140 | 16.36 | 12.08 | 9.854 | 11.96 | 16.92 | 18.10 | 18.16 | 17.83 | 130-140 | 10.25 | 6868 | 99.6,99.6 |
| 150 | 19.70 | 16.23 | 14.29 | 15.68 | 20.23 | 21.26 | 21.70 | 20.89 | 140-150 | 10.62 | 6878 | 99.7,99.7 |
| 160 | 22.57 | 20.23 | 18.76 | 19.18 | 23.09 | 23.80 | 23.73 | 23.09 | 150-160 | 9.364 | 6888 | 99.9,99.9 |
| 170 | 24.73 | 23.44 | 22.53 | 22.30 | 25.08 | 25.30 | 25.14 | 24.37 | 160-170 | 6.497 | 6894 | 100,100 |
| 180 | 25.85 | 25.41 | 24.95 | 24.47 | 25.89 | 25.38 | 24.98 | 24.46 | 170-180 | 2.347 | 6896 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 4692 lm

%lum = 68.0%

%lamp = 68.0%

Conical surface Flux(120deg): 6020.6 lm

%lum = 87.3%

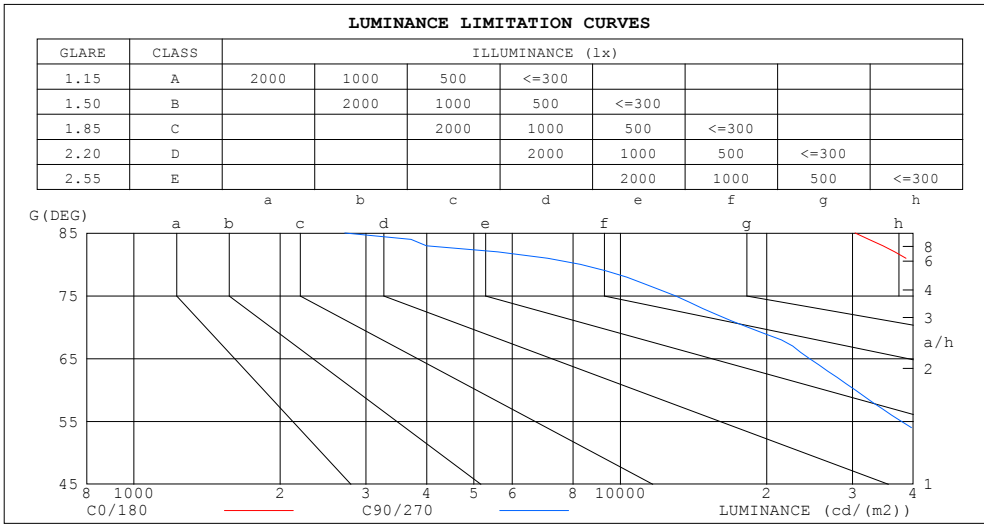
%lamp = 87.3%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 30398 | 2716 |
| 80 | 40532 | 8277 |
| 75 | 49718 | 12962 |
| 70 | 58537 | 18270 |
| 65 | 67531 | 24479 |
| 60 | 77094 | 30373 |
| 55 | 87123 | 37813 |
| 50 | 97430 | 48804 |
| 45 | 107171 | 64623 |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .257 | .146 | .046 | .250 | .143 | .045 | .237 | .136 | .043 | .224 | .129 | .041 | .213 | .123 | .040 | |
| 2.0 | .246 | .135 | .041 | .239 | .132 | .041 | .228 | .127 | .039 | .217 | .122 | .038 | .207 | .117 | .037 | |
| 3.0 | .231 | .123 | .037 | .225 | .121 | .036 | .215 | .116 | .035 | .205 | .112 | .034 | .196 | .109 | .034 | |
| 4.0 | .216 | .112 | .033 | .211 | .110 | .033 | .202 | .107 | .032 | .193 | .104 | .031 | .185 | .101 | .031 | |
| 5.0 | .202 | .103 | .030 | .197 | .101 | .030 | .189 | .099 | .029 | .182 | .096 | .029 | .175 | .093 | .028 | |
| 6.0 | .189 | .095 | .027 | .185 | .094 | .027 | .178 | .091 | .027 | .171 | .089 | .026 | .165 | .087 | .026 | |
| 7.0 | .177 | .088 | .025 | .174 | .087 | .025 | .168 | .085 | .024 | .162 | .083 | .024 | .156 | .081 | .024 | |
| 8.0 | .167 | .082 | .023 | .164 | .081 | .023 | .158 | .079 | .023 | .153 | .077 | .022 | .148 | .076 | .022 | |
| 9.0 | .158 | .076 | .021 | .155 | .076 | .021 | .150 | .074 | .021 | .145 | .073 | .021 | .140 | .071 | .021 | |
| 10.0 | .149 | .072 | .020 | .147 | .071 | .020 | .142 | .070 | .020 | .138 | .068 | .019 | .133 | .067 | .019 | |

| ρ _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{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 | .184 | .164 | .146 | .157 | .141 | .126 | .108 | .097 | .087 | .062 | .056 | .050 | .020 | .018 | .016 | |
| 2.0 | .173 | .140 | .111 | .149 | .120 | .096 | .102 | .083 | .067 | .059 | .048 | .039 | .019 | .016 | .013 | |
| 3.0 | .164 | .121 | .087 | .141 | .105 | .076 | .097 | .073 | .053 | .056 | .043 | .031 | .018 | .014 | .010 | |
| 4.0 | .156 | .108 | .071 | .134 | .093 | .061 | .092 | .065 | .043 | .053 | .038 | .026 | .017 | .012 | .008 | |
| 5.0 | .148 | .097 | .059 | .127 | .084 | .051 | .088 | .059 | .036 | .051 | .034 | .021 | .016 | .011 | .007 | |
| 6.0 | .141 | .088 | .050 | .122 | .076 | .044 | .084 | .054 | .031 | .049 | .031 | .018 | .016 | .010 | .006 | |
| 7.0 | .135 | .081 | .044 | .116 | .070 | .038 | .080 | .049 | .027 | .047 | .029 | .016 | .015 | .010 | .005 | |
| 8.0 | .129 | .075 | .039 | .111 | .065 | .034 | .077 | .046 | .024 | .045 | .027 | .014 | .014 | .009 | .005 | |
| 9.0 | .123 | .070 | .035 | .106 | .061 | .030 | .074 | .043 | .021 | .043 | .025 | .013 | .014 | .008 | .004 | |
| 10.0 | .118 | .066 | .032 | .102 | .057 | .028 | .071 | .040 | .020 | .041 | .024 | .012 | .013 | .008 | .004 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | | | | | | | | | |
|--|------------------|------|------|------|----------------|----------------|------|------------------|------|------|
| NAME: ASD Lighting Corp | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:ASD-WLP03-50D50-BZ | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: ASD Lighting Corp | | | | | SUR.:0.3x0.095 | | | 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 | 28.7 | 30.0 | 29.0 | 30.2 | 30.4 | 26.5 | 27.8 | 26.7 | 28.0 | 28.2 |
| 3H | 29.6 | 30.8 | 29.9 | 31.0 | 31.3 | 26.7 | 27.9 | 27.0 | 28.2 | 28.4 |
| 4H | 29.9 | 31.0 | 30.2 | 31.3 | 31.5 | 26.7 | 27.9 | 27.0 | 28.1 | 28.4 |
| 6H | 30.0 | 31.1 | 30.4 | 31.4 | 31.7 | 26.7 | 27.8 | 27.0 | 28.0 | 28.3 |
| 8H | 30.1 | 31.1 | 30.4 | 31.4 | 31.7 | 26.6 | 27.7 | 27.0 | 28.0 | 28.3 |
| 12H | 30.1 | 31.1 | 30.4 | 31.4 | 31.7 | 26.6 | 27.6 | 26.9 | 27.9 | 28.2 |
| 4H 2H | 28.9 | 30.0 | 29.2 | 30.3 | 30.5 | 27.0 | 28.1 | 27.3 | 28.4 | 28.6 |
| 3H | 29.8 | 30.8 | 30.2 | 31.1 | 31.4 | 27.4 | 28.4 | 27.7 | 28.7 | 29.0 |
| 4H | 30.2 | 31.1 | 30.6 | 31.4 | 31.8 | 27.4 | 28.3 | 27.8 | 28.7 | 29.0 |
| 6H | 30.5 | 31.3 | 30.9 | 31.6 | 32.0 | 27.4 | 28.2 | 27.8 | 28.6 | 28.9 |
| 8H | 30.5 | 31.3 | 31.0 | 31.7 | 32.1 | 27.4 | 28.1 | 27.8 | 28.5 | 28.9 |
| 12H | 30.6 | 31.3 | 31.0 | 31.6 | 32.1 | 27.3 | 28.0 | 27.8 | 28.4 | 28.8 |
| 8H 4H | 30.1 | 30.9 | 30.6 | 31.3 | 31.7 | 27.5 | 28.3 | 27.9 | 28.6 | 29.0 |
| 6H | 30.5 | 31.1 | 30.9 | 31.5 | 31.9 | 27.5 | 28.1 | 28.0 | 28.6 | 29.0 |
| 8H | 30.6 | 31.1 | 31.0 | 31.5 | 32.0 | 27.5 | 28.0 | 28.0 | 28.5 | 29.0 |
| 12H | 30.6 | 31.1 | 31.1 | 31.6 | 32.1 | 27.5 | 27.9 | 28.0 | 28.4 | 28.9 |
| 12H 4H | 30.1 | 30.8 | 30.5 | 31.2 | 31.6 | 27.5 | 28.2 | 27.9 | 28.6 | 29.0 |
| 6H | 30.4 | 31.0 | 30.9 | 31.4 | 31.9 | 27.5 | 28.1 | 28.0 | 28.5 | 29.0 |
| 8H | 30.5 | 31.0 | 31.0 | 31.5 | 32.0 | 27.5 | 28.0 | 28.0 | 28.4 | 28.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.5 | | | | | + 1.1 / - 1.4 | | | | |
| 1.5H | + 0.2 / - 0.2 | | | | | + 0.6 / - 1.7 | | | | |
| 2.0H | + 0.9 / - 1.0 | | | | | + 1.3 / - 2.6 | | | | |

CIE Pub.117, 6896 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.7$)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

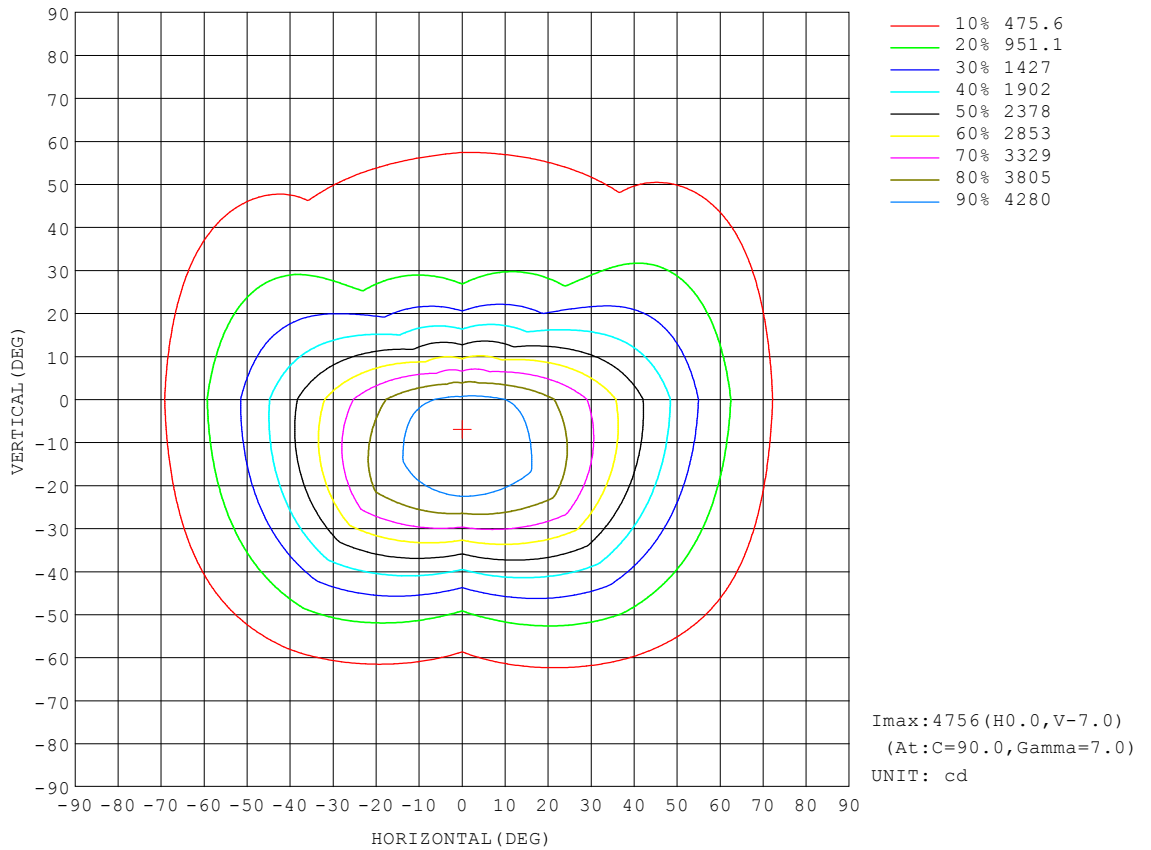
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 66 | 56 | 50 | 65 | 56 | 50 | 64 | 55 | 50 | 44 |
| 0.80 | 76 | 66 | 60 | 75 | 66 | 60 | 73 | 65 | 59 | 53 |
| 1.00 | 83 | 74 | 68 | 82 | 74 | 68 | 80 | 74 | 67 | 61 |
| 1.25 | 90 | 81 | 75 | 88 | 80 | 75 | 86 | 79 | 74 | 68 |
| 1.50 | 94 | 86 | 80 | 92 | 85 | 80 | 90 | 83 | 79 | 72 |
| 2.00 | 100 | 93 | 87 | 98 | 91 | 87 | 95 | 89 | 85 | 78 |
| 2.50 | 103 | 96 | 91 | 101 | 95 | 90 | 97 | 92 | 88 | 81 |
| 3.00 | 105 | 100 | 95 | 103 | 98 | 94 | 99 | 95 | 92 | 84 |
| 4.00 | 109 | 104 | 100 | 106 | 102 | 99 | 102 | 99 | 96 | 87 |
| 5.00 | 111 | 107 | 103 | 108 | 105 | 102 | 104 | 101 | 99 | 90 |
| 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:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

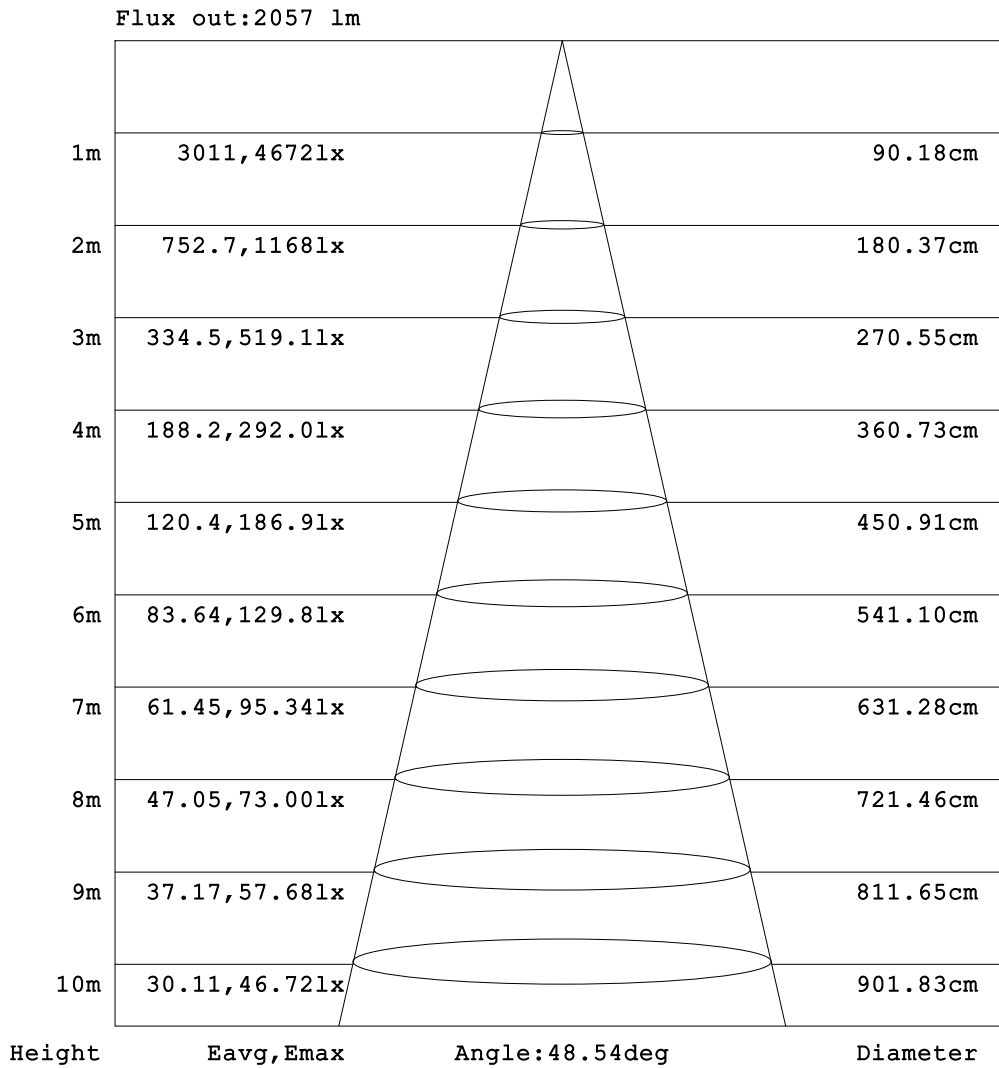


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 22.8DEG
 Operators: wudashuai
 Test Date: 2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity: 57%
 Test Distance: 6.500m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

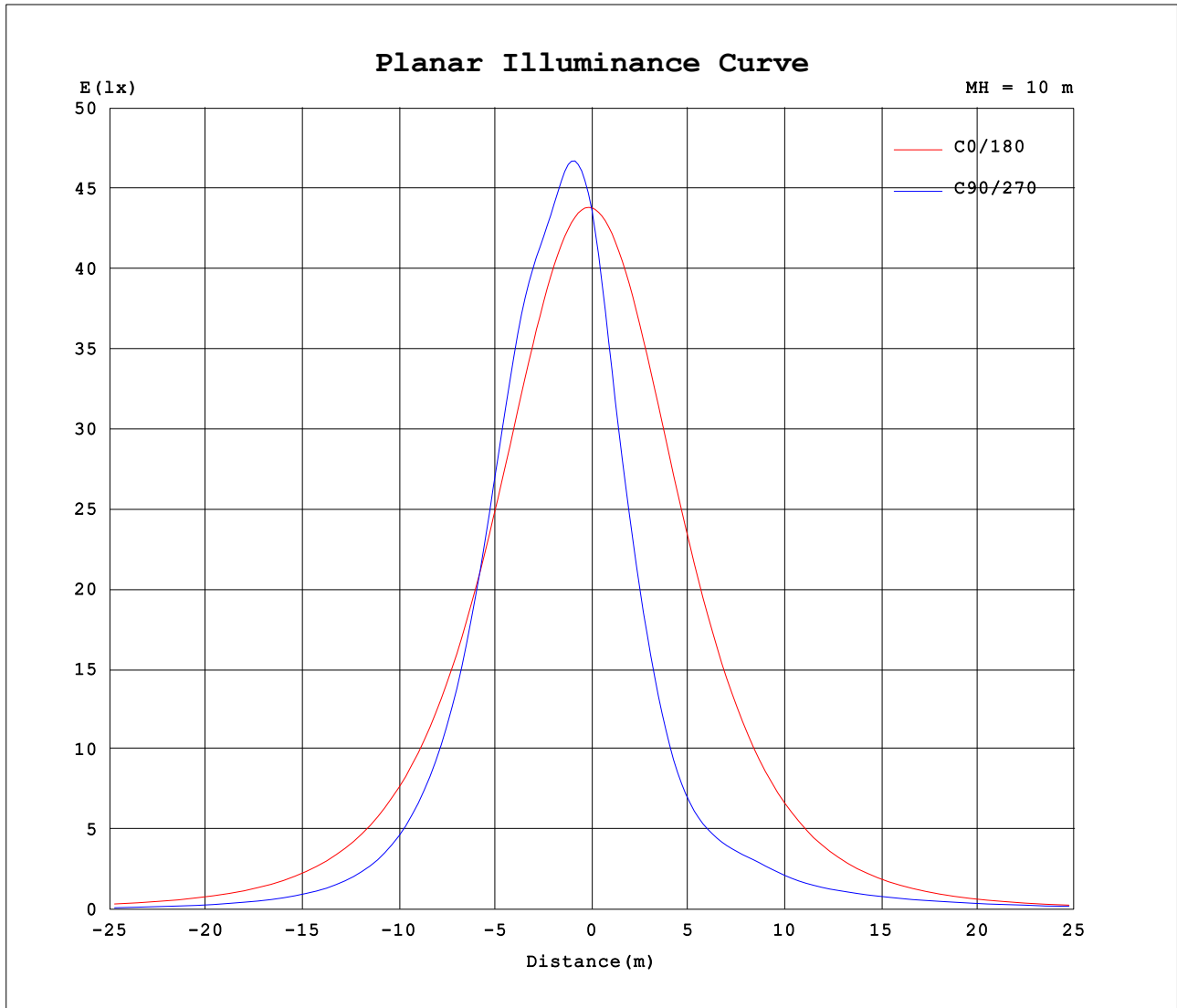


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 22.8DEG
Operators: wudashuai
Test Date: 2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.364
Humidity: 57%
Test Distance: 6.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------------|------------------|
| Test:U:121.6V I:0.4208A P:50W PF:0.9961 Freq:59.98Hz Lamp Flux:6800x1 lm | | |
| NAME: ASD Lighting Corp | TYPE: | WEIGHT: |
| SPEC.:ASD-WLP03-50D50-BZ | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.:0.3x0.095 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| 0 | 4380 | 4358 | 4366 | 4366 | 4380 | 4358 | 4366 | 4366 | | | | | | | | | | |
| 5 | 4370 | 4660 | 4726 | 4626 | 4310 | 3799 | 3592 | 3848 | | | | | | | | | | |
| 10 | 4279 | 4713 | 4686 | 4645 | 4165 | 3131 | 2760 | 3206 | | | | | | | | | | |
| 15 | 4115 | 4551 | 4592 | 4463 | 3945 | 2511 | 2060 | 2598 | | | | | | | | | | |
| 20 | 3881 | 4383 | 4477 | 4269 | 3666 | 1969 | 1476 | 2062 | | | | | | | | | | |
| 25 | 3593 | 4206 | 4007 | 4069 | 3346 | 1510 | 1054 | 1597 | | | | | | | | | | |
| 30 | 3262 | 3878 | 3280 | 3735 | 2996 | 1147 | 825 | 1222 | | | | | | | | | | |
| 35 | 2907 | 3381 | 2512 | 3244 | 2626 | 891 | 728 | 947 | | | | | | | | | | |
| 40 | 2536 | 2803 | 1849 | 2679 | 2251 | 734 | 691 | 772 | | | | | | | | | | |
| 45 | 2160 | 2230 | 1302 | 2125 | 1884 | 631 | 607 | 661 | | | | | | | | | | |
| 50 | 1785 | 1710 | 894 | 1611 | 1527 | 555 | 527 | 580 | | | | | | | | | | |
| 55 | 1424 | 1257 | 618 | 1177 | 1202 | 487 | 491 | 511 | | | | | | | | | | |
| 60 | 1099 | 888 | 433 | 820 | 910 | 413 | 458 | 439 | | | | | | | | | | |
| 65 | 813 | 593 | 295 | 533 | 656 | 339 | 417 | 364 | | | | | | | | | | |
| 70 | 571 | 363 | 178 | 313 | 442 | 271 | 363 | 293 | | | | | | | | | | |
| 75 | 367 | 185 | 95.6 | 149 | 265 | 206 | 300 | 227 | | | | | | | | | | |
| 80 | 201 | 73.6 | 41.0 | 51.9 | 126 | 142 | 234 | 162 | | | | | | | | | | |
| 85 | 75.5 | 13.8 | 6.75 | 6.48 | 26.1 | 76.6 | 152 | 94.1 | | | | | | | | | | |
| 90 | 4.44 | 1.54 | 1.73 | 1.69 | 2.80 | 23.3 | 75.9 | 37.3 | | | | | | | | | | |
| 95 | 3.18 | 1.87 | 2.02 | 2.05 | 3.44 | 3.07 | 7.90 | 3.00 | | | | | | | | | | |
| 100 | 4.10 | 2.31 | 2.37 | 2.52 | 4.45 | 4.13 | 2.69 | 3.93 | | | | | | | | | | |
| 105 | 5.22 | 2.85 | 2.77 | 3.09 | 5.64 | 5.43 | 3.72 | 5.18 | | | | | | | | | | |
| 110 | 6.52 | 3.55 | 3.21 | 3.78 | 6.96 | 6.94 | 5.08 | 6.66 | | | | | | | | | | |
| 115 | 7.94 | 4.42 | 3.73 | 4.64 | 8.43 | 8.63 | 6.79 | 8.32 | | | | | | | | | | |
| 120 | 9.48 | 5.50 | 4.42 | 5.70 | 10.0 | 10.4 | 8.83 | 10.1 | | | | | | | | | | |
| 125 | 11.1 | 6.83 | 5.34 | 6.99 | 11.7 | 12.4 | 11.1 | 12.1 | | | | | | | | | | |
| 130 | 12.8 | 8.38 | 6.53 | 8.48 | 13.4 | 14.3 | 13.5 | 14.0 | | | | | | | | | | |
| 135 | 14.6 | 10.2 | 8.03 | 10.2 | 15.2 | 16.3 | 15.9 | 16.0 | | | | | | | | | | |
| 140 | 16.4 | 12.1 | 9.85 | 12.0 | 16.9 | 18.1 | 18.2 | 17.8 | | | | | | | | | | |
| 145 | 18.1 | 14.1 | 12.0 | 13.8 | 18.6 | 19.8 | 20.1 | 19.5 | | | | | | | | | | |
| 150 | 19.7 | 16.2 | 14.3 | 15.7 | 20.2 | 21.3 | 21.7 | 20.9 | | | | | | | | | | |
| 155 | 21.2 | 18.3 | 16.6 | 17.5 | 21.7 | 22.6 | 22.8 | 22.1 | | | | | | | | | | |
| 160 | 22.6 | 20.2 | 18.8 | 19.2 | 23.1 | 23.8 | 23.7 | 23.1 | | | | | | | | | | |
| 165 | 23.8 | 22.0 | 20.8 | 20.8 | 24.2 | 24.7 | 24.6 | 23.9 | | | | | | | | | | |
| 170 | 24.7 | 23.4 | 22.5 | 22.3 | 25.1 | 25.3 | 25.1 | 24.4 | | | | | | | | | | |
| 175 | 25.5 | 24.6 | 23.9 | 23.5 | 25.7 | 25.6 | 25.3 | 24.6 | | | | | | | | | | |
| 180 | 25.8 | 25.4 | 24.9 | 24.5 | 25.9 | 25.4 | 25.0 | 24.5 | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:22.8DEG
 Operators:wudashuai
 Test Date:2021-12-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.364
 Humidity:57%
 Test Distance:6.500m [K=1.0000]
 Remarks: