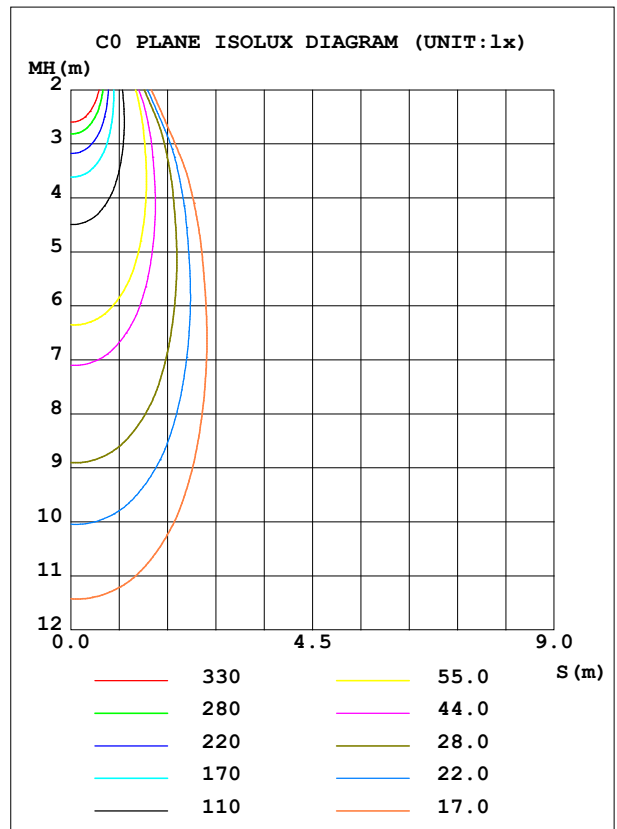
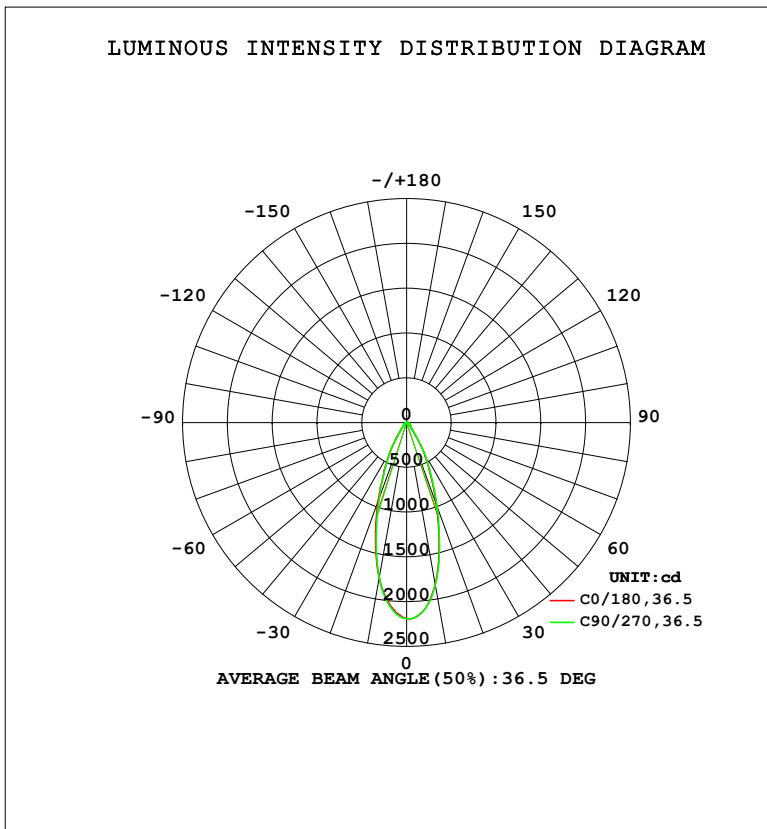


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 79.28 lm/W |
|-------------------|---------|-----------------------|--------|---------------------|--|-----------------|
| MODEL | | I _{max} (cd) | 2205 | S/MH (C0/180) | | 0.58 |
| NOMINAL POWER (W) | 15 | LOR (%) | 100.0 | S/MH (C90/270) | | 0.57 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1077.7 | η UP, DN (C0-180) | | 0.0,49.8 |
| NOMINAL FLUX (lm) | 1077.71 | CIE CLASS | DIRECT | η UP, DN (C180-360) | | 0.0,50.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | | 0.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 100.0 | CIBSE SHR MAX | | 0.65 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

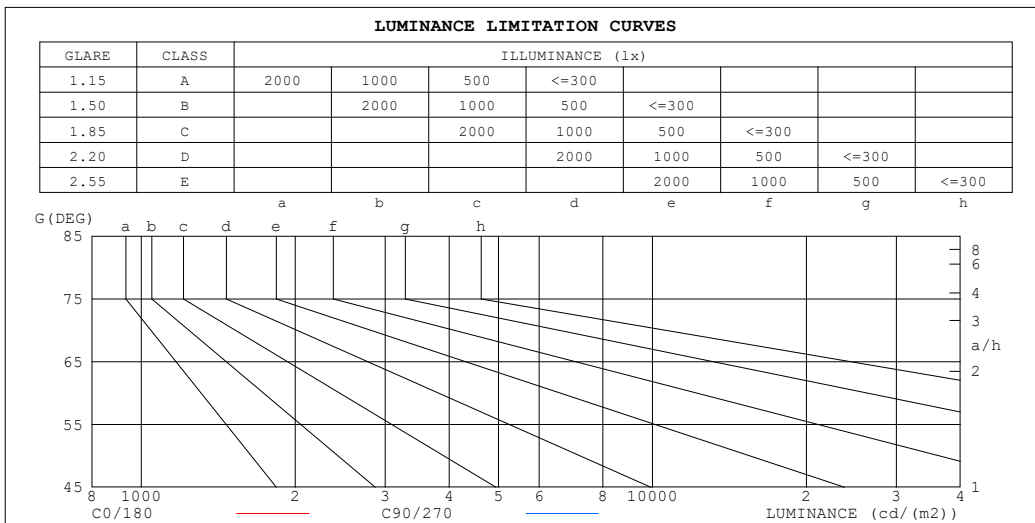
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|-----------|
| 10 | 1838 | 1835 | 1850 | 1731 | 1765 | 1766 | 1763 | 1889 | 0- 10 | 190.3 | 190.3 | 17.7,17.7 |
| 20 | 977.5 | 957.5 | 994.9 | 897.0 | 933.3 | 935.1 | 895.4 | 1010 | 10- 20 | 377.1 | 567.4 | 52.7,52.7 |
| 30 | 392.9 | 387.5 | 400.4 | 344.0 | 360.4 | 374.2 | 360.8 | 421.2 | 20- 30 | 284.0 | 851.5 | 79,79 |
| 40 | 93.89 | 92.94 | 95.22 | 84.22 | 90.46 | 96.46 | 89.50 | 95.58 | 30- 40 | 119.5 | 970.9 | 90.1,90.1 |
| 50 | 43.94 | 43.63 | 45.05 | 42.49 | 42.67 | 43.45 | 43.93 | 46.69 | 40- 50 | 47.54 | 1018 | 94.5,94.5 |
| 60 | 23.63 | 23.24 | 24.30 | 23.18 | 23.95 | 24.20 | 24.15 | 25.90 | 50- 60 | 29.82 | 1048 | 97.3,97.3 |
| 70 | 12.67 | 12.47 | 13.13 | 12.25 | 12.81 | 13.06 | 12.95 | 13.97 | 60- 70 | 17.99 | 1066 | 98.9,98.9 |
| 80 | 4.921 | 4.797 | 5.029 | 4.349 | 4.859 | 5.057 | 4.957 | 5.668 | 70- 80 | 9.130 | 1075 | 99.8,99.8 |
| 90 | 0.0668 | 0.0634 | 0.0653 | 0.0688 | 0.0485 | 0.0468 | 0.0529 | 0.0534 | 80- 90 | 2.282 | 1078 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 219 | 197 |
| 80 | 258 | 258 |
| 75 | 296 | 300 |
| 70 | 338 | 343 |
| 65 | 382 | 388 |
| 60 | 431 | 434 |
| 55 | 523 | 521 |
| 50 | 624 | 626 |
| 45 | 770 | 768 |

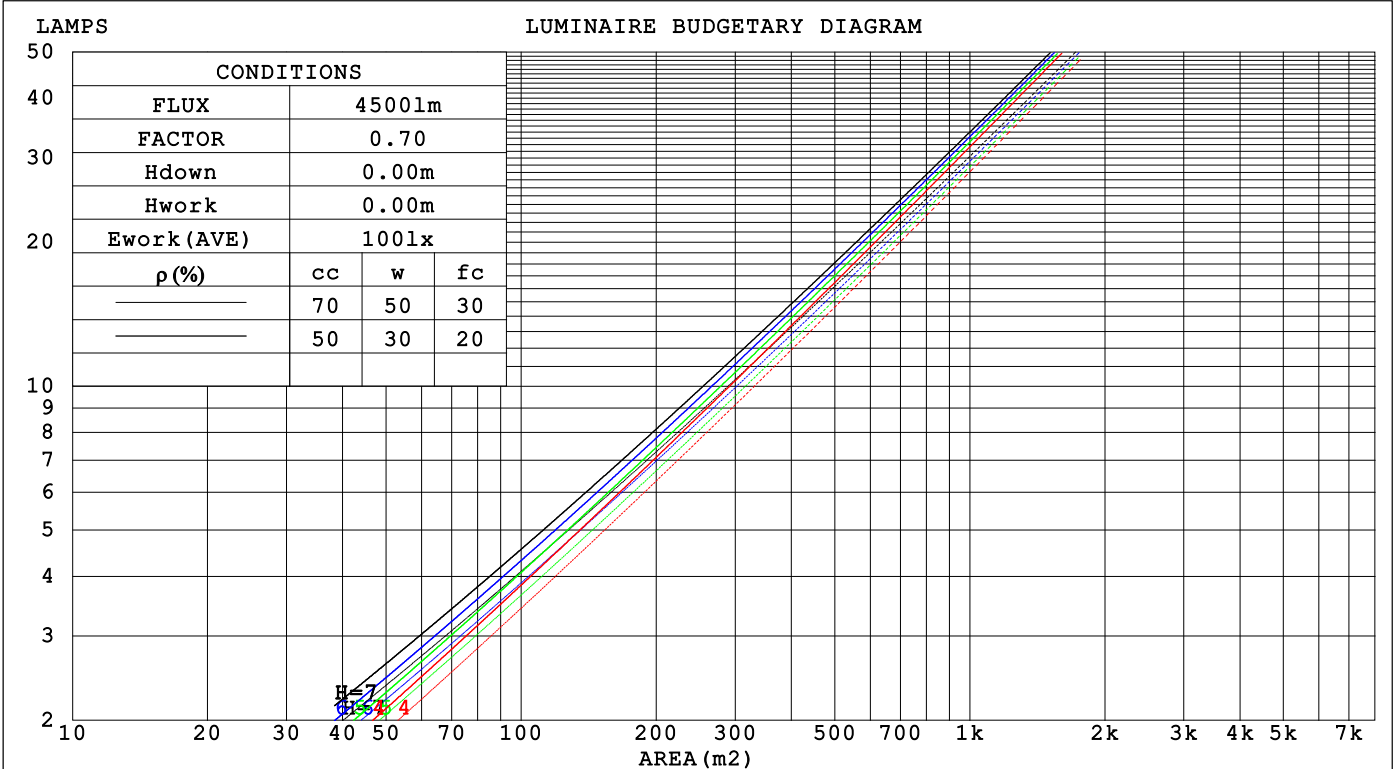
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | 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 | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.11 | 1.08 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.01 | 1.01 | .98 | .98 | .98 | .96 | .95 | .94 |
| 2.0 | 1.04 | .96 | .96 | 1.02 | .98 | .95 | .99 | .96 | .93 | .96 | .93 | .91 | .93 | .91 | .89 | .88 |
| 3.0 | .97 | .92 | .89 | .96 | .91 | .88 | .93 | .89 | .86 | .91 | .88 | .85 | .88 | .86 | .84 | .82 |
| 4.0 | .91 | .86 | .82 | .90 | .85 | .82 | .88 | .84 | .81 | .86 | .83 | .80 | .84 | .81 | .79 | .77 |
| 5.0 | .86 | .81 | .77 | .85 | .80 | .76 | .84 | .79 | .76 | .82 | .78 | .75 | .81 | .77 | .74 | .73 |
| 6.0 | .82 | .76 | .72 | .81 | .76 | .72 | .80 | .75 | .72 | .78 | .74 | .71 | .77 | .73 | .71 | .69 |
| 7.0 | .78 | .72 | .68 | .77 | .72 | .68 | .76 | .71 | .68 | .75 | .70 | .67 | .74 | .70 | .67 | .66 |
| 8.0 | .74 | .69 | .65 | .73 | .68 | .65 | .72 | .68 | .64 | .71 | .67 | .64 | .70 | .67 | .64 | .63 |
| 9.0 | .71 | .65 | .62 | .70 | .65 | .61 | .69 | .65 | .61 | .68 | .64 | .61 | .68 | .64 | .61 | .60 |
| 10.0 | .68 | .62 | .59 | .67 | .62 | .59 | .66 | .62 | .59 | .66 | .61 | .58 | .65 | .61 | .58 | .57 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | 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 | .176 | .100 | .032 | .169 | .096 | .031 | .156 | .090 | .029 | .145 | .084 | .027 | .134 | .078 | .025 | |
| 2.0 | .166 | .091 | .028 | .161 | .088 | .027 | .150 | .083 | .026 | .140 | .079 | .025 | .131 | .074 | .023 | |
| 3.0 | .156 | .083 | .025 | .152 | .081 | .024 | .143 | .077 | .023 | .134 | .074 | .023 | .127 | .070 | .022 | |
| 4.0 | .147 | .077 | .023 | .143 | .075 | .022 | .136 | .072 | .021 | .128 | .069 | .021 | .122 | .066 | .020 | |
| 5.0 | .139 | .071 | .021 | .136 | .070 | .020 | .129 | .067 | .020 | .123 | .065 | .019 | .117 | .063 | .019 | |
| 6.0 | .132 | .066 | .019 | .129 | .065 | .019 | .123 | .063 | .018 | .118 | .061 | .018 | .113 | .059 | .018 | |
| 7.0 | .125 | .062 | .018 | .123 | .061 | .017 | .118 | .059 | .017 | .113 | .058 | .017 | .108 | .056 | .017 | |
| 8.0 | .120 | .058 | .016 | .117 | .058 | .016 | .113 | .056 | .016 | .108 | .055 | .016 | .104 | .053 | .016 | |
| 9.0 | .114 | .055 | .015 | .112 | .055 | .015 | .108 | .053 | .015 | .104 | .052 | .015 | .100 | .051 | .015 | |
| 10.0 | .109 | .052 | .015 | .107 | .052 | .014 | .104 | .051 | .014 | .100 | .050 | .014 | .097 | .049 | .014 | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .171 | .157 | .145 | .146 | .135 | .125 | .100 | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 | |
| 2.0 | .155 | .133 | .113 | .133 | .114 | .098 | .091 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .143 | .114 | .090 | .122 | .098 | .078 | .084 | .068 | .055 | .048 | .040 | .032 | .016 | .013 | .011 | |
| 4.0 | .132 | .099 | .073 | .113 | .085 | .064 | .078 | .059 | .045 | .045 | .035 | .027 | .014 | .011 | .009 | |
| 5.0 | .123 | .087 | .061 | .105 | .075 | .053 | .072 | .053 | .037 | .042 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .115 | .078 | .051 | .099 | .067 | .044 | .068 | .047 | .031 | .039 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .108 | .070 | .043 | .093 | .060 | .038 | .064 | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .102 | .063 | .037 | .088 | .055 | .032 | .061 | .039 | .023 | .035 | .023 | .014 | .011 | .007 | .005 | |
| 9.0 | .096 | .058 | .032 | .083 | .050 | .028 | .057 | .035 | .020 | .033 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .092 | .054 | .028 | .079 | .047 | .025 | .055 | .033 | .018 | .032 | .019 | .010 | .010 | .006 | .003 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|-----|-----|-----|-------|----------------|-----|------------------|-----|-----|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | | | | | | | | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 4000K 90 | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.:ASD Lighting Corp | | | | | SUR.: | | | Shielding Angle: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 6.2 | 7.1 | 6.4 | 7.2 | 7.4 | 6.3 | 7.2 | 6.5 | 7.3 | 7.5 |
| 3H | 6.7 | 7.5 | 6.9 | 7.7 | 7.9 | 6.8 | 7.6 | 7.0 | 7.8 | 8.0 |
| 4H | 6.9 | 7.7 | 7.2 | 7.9 | 8.1 | 7.0 | 7.8 | 7.3 | 8.0 | 8.2 |
| 6H | 7.0 | 7.8 | 7.3 | 8.0 | 8.2 | 7.1 | 7.9 | 7.4 | 8.1 | 8.4 |
| 8H | 7.1 | 7.8 | 7.4 | 8.0 | 8.3 | 7.2 | 7.9 | 7.5 | 8.1 | 8.4 |
| 12H | 7.1 | 7.8 | 7.4 | 8.0 | 8.3 | 7.2 | 7.9 | 7.5 | 8.1 | 8.4 |
| 4H 2H | 6.3 | 7.1 | 6.6 | 7.3 | 7.6 | 6.4 | 7.2 | 6.7 | 7.4 | 7.6 |
| 3H | 7.0 | 7.7 | 7.3 | 7.9 | 8.2 | 7.1 | 7.8 | 7.4 | 8.0 | 8.3 |
| 4H | 7.3 | 7.9 | 7.6 | 8.2 | 8.5 | 7.4 | 8.0 | 7.7 | 8.3 | 8.6 |
| 6H | 7.5 | 8.0 | 7.9 | 8.4 | 8.7 | 7.6 | 8.2 | 8.0 | 8.5 | 8.8 |
| 8H | 7.6 | 8.1 | 8.0 | 8.4 | 8.8 | 7.7 | 8.2 | 8.1 | 8.5 | 8.9 |
| 12H | 7.6 | 8.1 | 8.0 | 8.4 | 8.8 | 7.7 | 8.2 | 8.1 | 8.5 | 8.9 |
| 8H 4H | 7.3 | 7.8 | 7.7 | 8.2 | 8.6 | 7.4 | 7.9 | 7.8 | 8.3 | 8.7 |
| 6H | 7.6 | 8.1 | 8.1 | 8.5 | 8.9 | 7.8 | 8.2 | 8.2 | 8.6 | 9.0 |
| 8H | 7.8 | 8.1 | 8.2 | 8.5 | 9.0 | 7.9 | 8.2 | 8.3 | 8.7 | 9.1 |
| 12H | 7.8 | 8.2 | 8.3 | 8.6 | 9.1 | 7.9 | 8.2 | 8.4 | 8.7 | 9.2 |
| 12H 4H | 7.3 | 7.8 | 7.7 | 8.1 | 8.5 | 7.4 | 7.9 | 7.8 | 8.2 | 8.6 |
| 6H | 7.6 | 8.0 | 8.1 | 8.4 | 8.9 | 7.7 | 8.1 | 8.2 | 8.5 | 9.0 |
| 8H | 7.8 | 8.1 | 8.2 | 8.5 | 9.0 | 7.9 | 8.2 | 8.3 | 8.6 | 9.1 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.8 / - 0.9 | | | | | + 0.7 / - 0.9 | | | | |
| 1.5H | + 1.4 / - 0.6 | | | | | + 1.3 / - 0.6 | | | | |
| 2.0H | + 1.0 / - 0.7 | | | | | + 1.0 / - 0.7 | | | | |

CIE Pub.117, 1078 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |

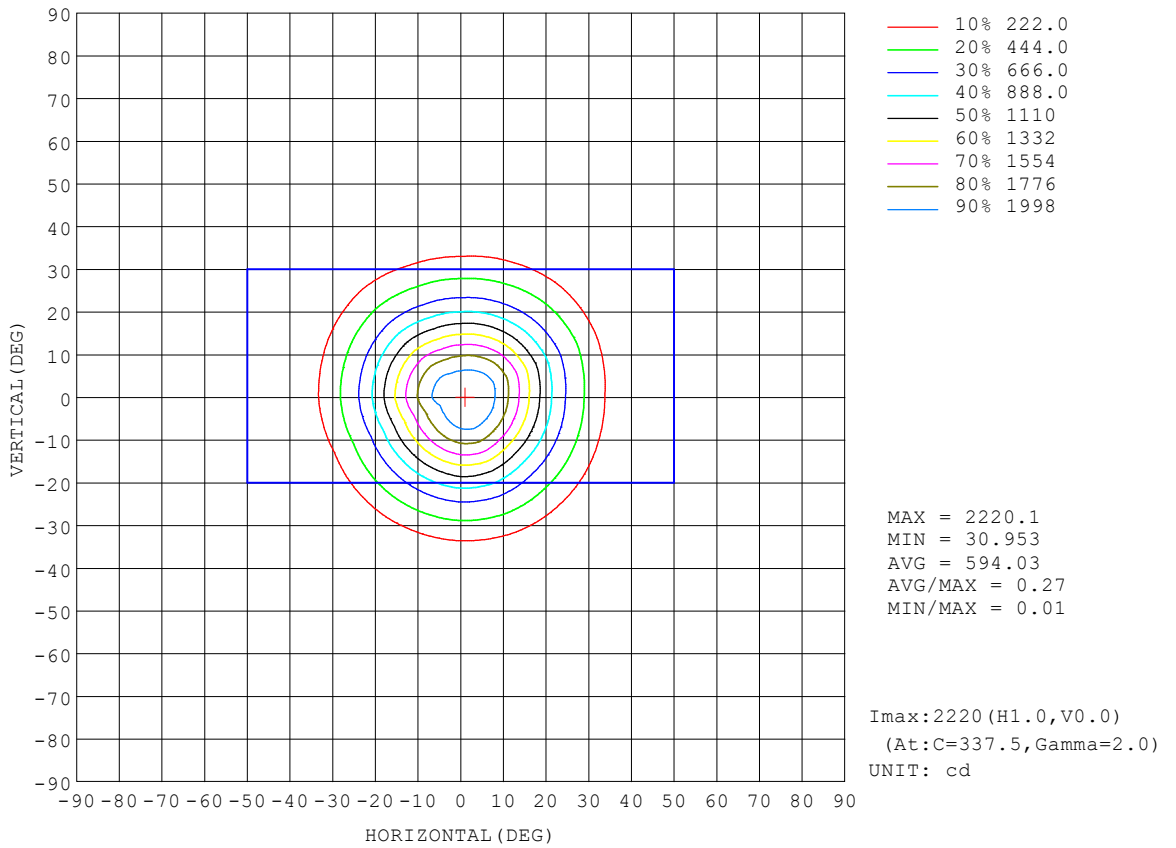
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 85 | 79 | 75 | 85 | 79 | 75 | 84 | 78 | 74 | 71 |
| 0.80 | 93 | 87 | 83 | 92 | 86 | 83 | 91 | 86 | 82 | 78 |
| 1.00 | 98 | 92 | 88 | 97 | 91 | 87 | 95 | 91 | 87 | 83 |
| 1.25 | 102 | 96 | 93 | 101 | 96 | 92 | 99 | 94 | 91 | 87 |
| 1.50 | 105 | 100 | 96 | 103 | 99 | 95 | 101 | 97 | 94 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 92 |
| 2.50 | 109 | 105 | 102 | 108 | 104 | 101 | 105 | 102 | 99 | 93 |
| 3.00 | 111 | 107 | 105 | 109 | 106 | 103 | 106 | 103 | 101 | 95 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 112 | 110 | 112 | 110 | 109 | 108 | 107 | 106 | 98 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |

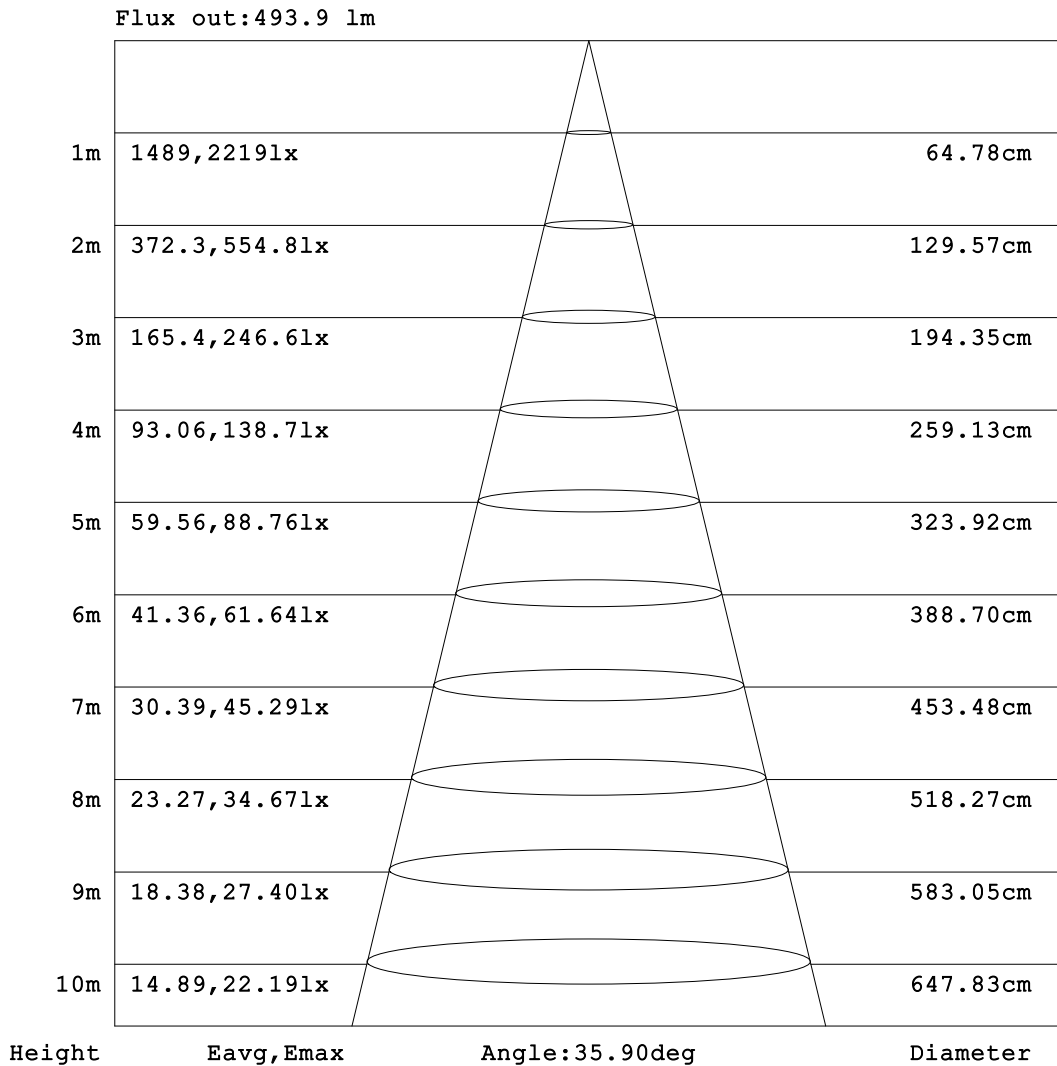


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |



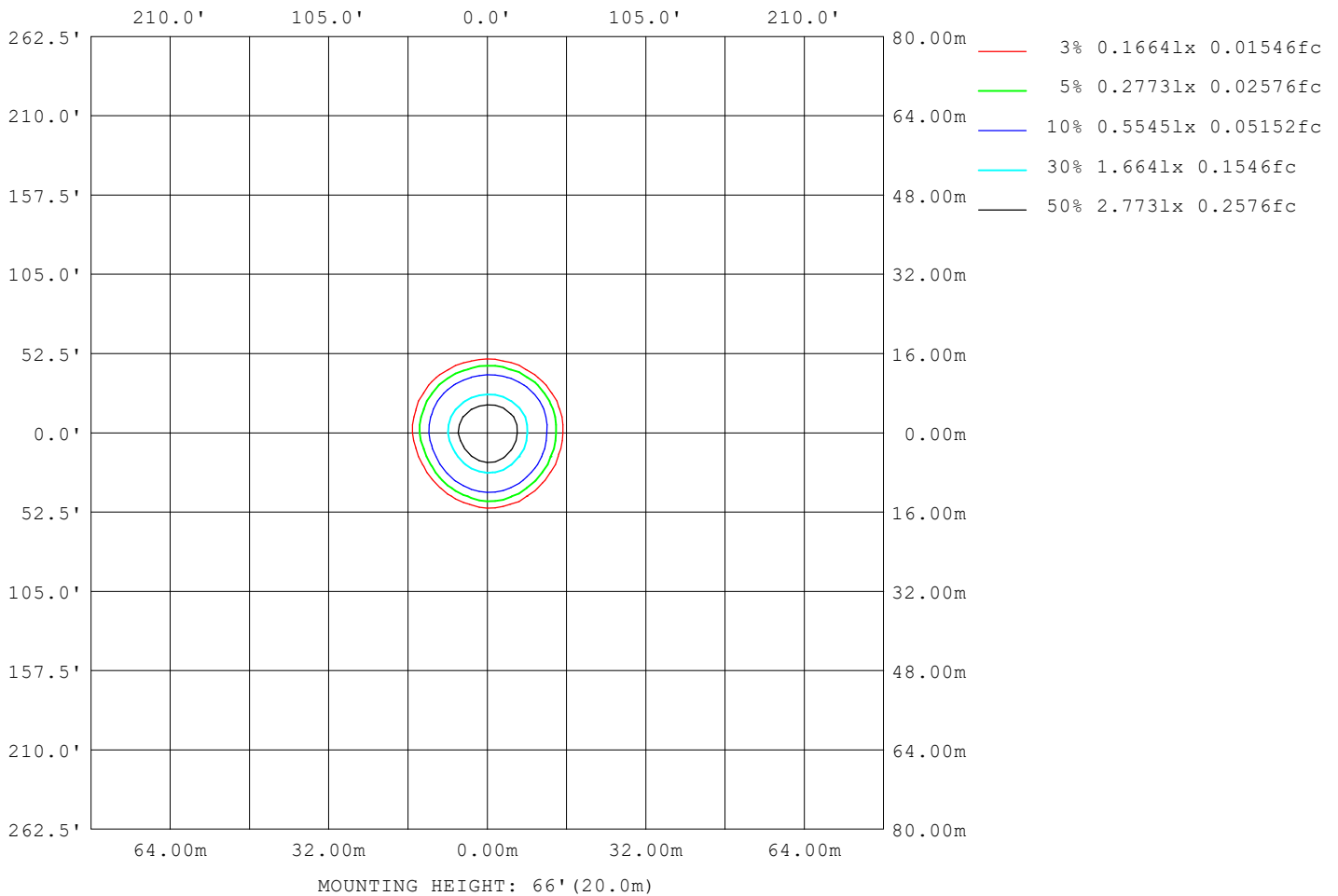
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |

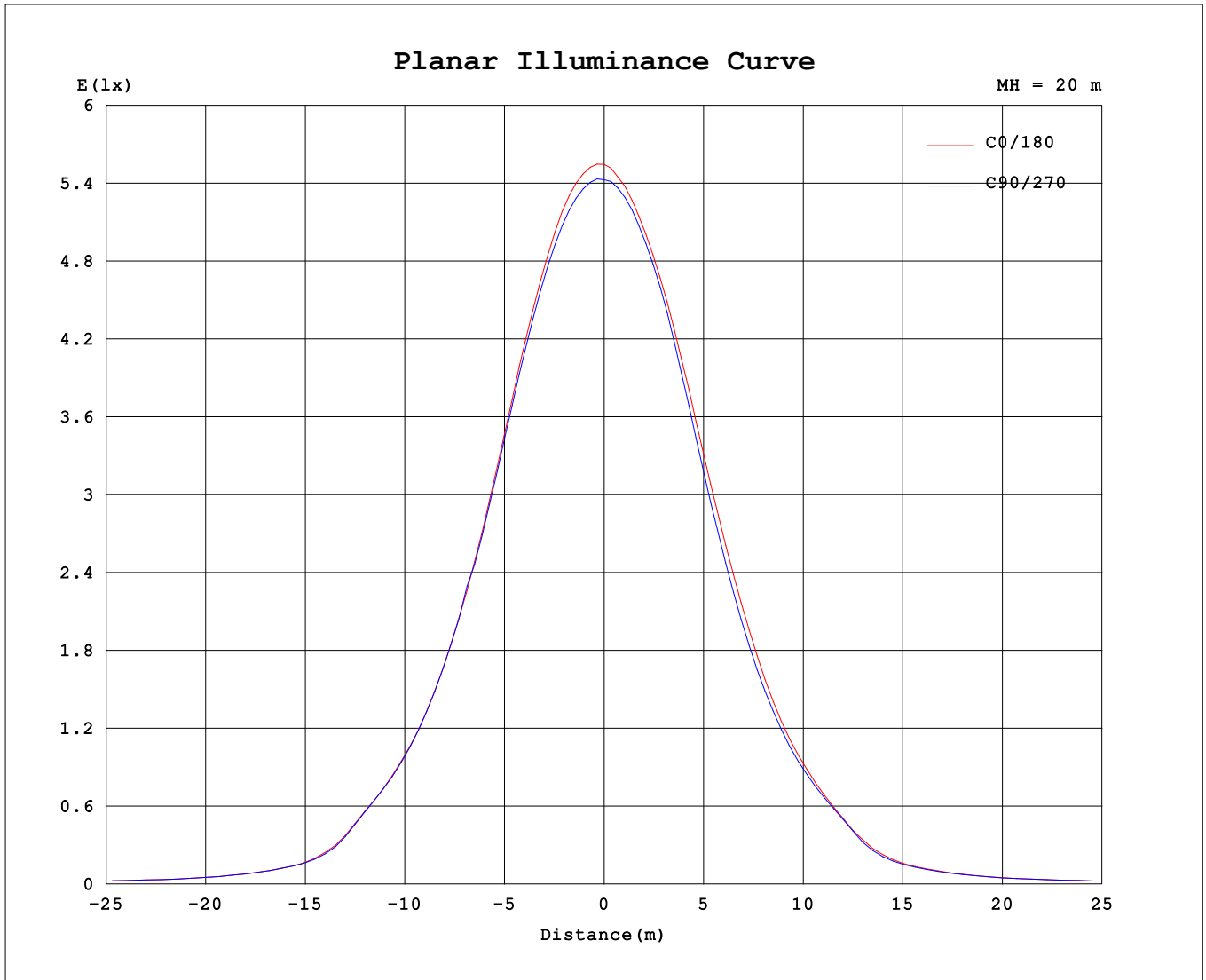
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 381 |
| L_0~180 (75) av | 293 |
| L_0~180 (85) av | 208 |
| L_90~270 (65) av | 389 |
| L_90~270 (75) av | 300 |
| L_90~270 (85) av | 203 |
| L_45 (65) av | 386 |
| L_45 (75) av | 298 |
| L_45 (85) av | 206 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.090m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|------------------|
| Test:U:119.84V I:0.1158A P:13.593W PF:0.9792 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1077.71x1 lm | | |
| NAME: ASD-CD-TR-MV-2D15AC-WH | TYPE: | WEIGHT: |
| SPEC.: 4000K 90 | DIM.: | SERIAL No.: |
| MFR.:ASD Lighting Corp | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | 2189 | | | |
| 5 | 2118 | 2112 | 2108 | 2126 | 2118 | 2080 | 2043 | 2023 | 2055 | 2052 | 2057 | 2047 | 2070 | 2101 | 2139 | 2161 | | | |
| 10 | 1838 | 1831 | 1835 | 1867 | 1850 | 1788 | 1731 | 1707 | 1765 | 1767 | 1766 | 1731 | 1763 | 1821 | 1889 | 1918 | | | |
| 15 | 1411 | 1393 | 1392 | 1444 | 1425 | 1361 | 1309 | 1280 | 1349 | 1348 | 1343 | 1295 | 1317 | 1379 | 1459 | 1500 | | | |
| 20 | 977 | 960 | 957 | 999 | 995 | 944 | 897 | 869 | 933 | 941 | 935 | 884 | 895 | 946 | 1010 | 1057 | | | |
| 25 | 631 | 624 | 623 | 648 | 643 | 604 | 574 | 552 | 593 | 601 | 601 | 571 | 576 | 610 | 656 | 690 | | | |
| 30 | 393 | 389 | 388 | 403 | 400 | 373 | 344 | 324 | 360 | 372 | 374 | 351 | 361 | 388 | 421 | 439 | | | |
| 35 | 176 | 173 | 173 | 182 | 173 | 154 | 144 | 140 | 164 | 175 | 176 | 159 | 157 | 170 | 193 | 203 | | | |
| 40 | 93.9 | 93.0 | 92.9 | 96.4 | 95.2 | 88.5 | 84.2 | 82.6 | 90.5 | 95.8 | 96.5 | 89.0 | 89.5 | 91.5 | 95.6 | 101 | | | |
| 45 | 59.7 | 58.7 | 59.1 | 61.1 | 60.8 | 57.2 | 54.6 | 53.4 | 56.4 | 58.3 | 58.7 | 56.2 | 57.3 | 59.6 | 62.7 | 64.8 | | | |
| 50 | 43.9 | 43.5 | 43.6 | 44.7 | 45.1 | 43.6 | 42.5 | 41.7 | 42.7 | 43.2 | 43.5 | 42.9 | 43.9 | 45.3 | 46.7 | 47.0 | | | |
| 55 | 32.9 | 32.1 | 32.2 | 33.3 | 33.5 | 32.3 | 31.5 | 31.1 | 32.6 | 32.9 | 33.0 | 32.1 | 32.9 | 34.3 | 35.9 | 36.2 | | | |
| 60 | 23.6 | 23.2 | 23.2 | 24.1 | 24.3 | 23.7 | 23.2 | 23.0 | 23.9 | 24.2 | 24.2 | 23.6 | 24.2 | 24.9 | 25.9 | 26.1 | | | |
| 65 | 17.7 | 17.3 | 17.5 | 18.0 | 18.3 | 17.8 | 17.4 | 17.2 | 18.1 | 18.3 | 18.3 | 17.8 | 18.2 | 18.7 | 19.3 | 19.3 | | | |
| 70 | 12.7 | 12.4 | 12.5 | 12.9 | 13.1 | 12.6 | 12.3 | 12.0 | 12.8 | 13.1 | 13.1 | 12.7 | 12.9 | 13.5 | 14.0 | 14.0 | | | |
| 75 | 8.40 | 8.18 | 8.25 | 8.62 | 8.71 | 8.26 | 7.93 | 7.74 | 8.43 | 8.61 | 8.65 | 8.28 | 8.55 | 8.94 | 9.42 | 9.47 | | | |
| 80 | 4.92 | 4.75 | 4.80 | 5.02 | 5.03 | 4.62 | 4.35 | 4.22 | 4.86 | 5.02 | 5.06 | 4.75 | 4.96 | 5.26 | 5.67 | 5.71 | | | |
| 85 | 2.09 | 1.94 | 1.97 | 1.94 | 1.92 | 1.57 | 1.37 | 1.29 | 1.94 | 2.09 | 2.14 | 1.89 | 2.02 | 2.22 | 2.49 | 2.52 | | | |
| 90 | 0.07 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.07 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.09 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2022-10-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks: