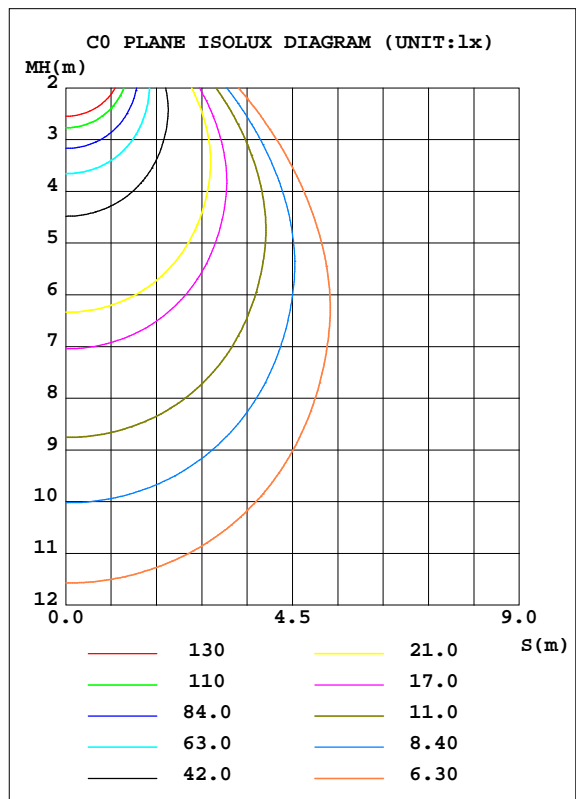
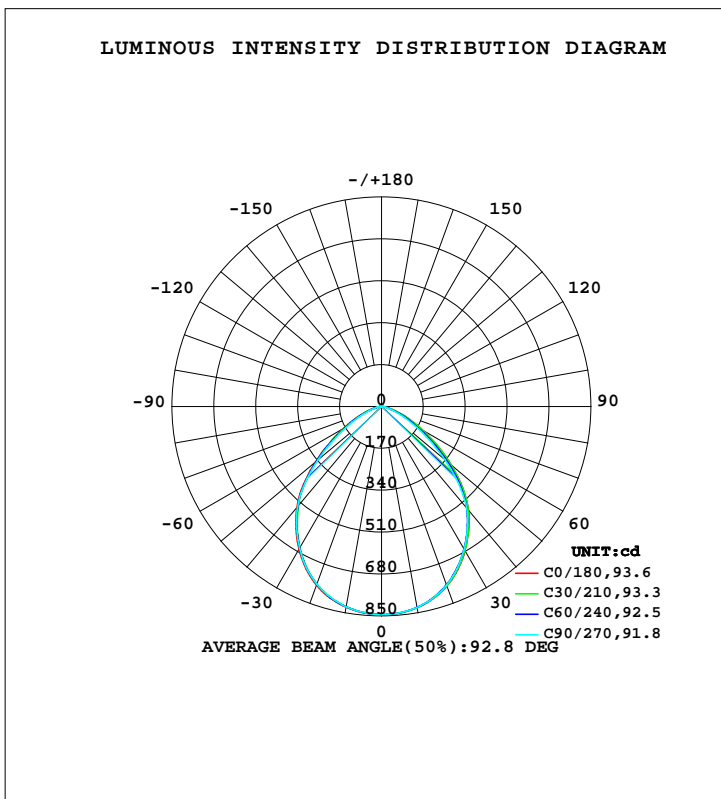


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|------------------|--------------------|------------------|--------|--------------------|-----------|
| MODEL | 6AD22AC(22W 2700K) | Imax(cd) | 844.1 | S/MH(C0/180) | 1.19 |
| NOMINAL POWER(W) | 22 | LOR(%) | 100.0 | S/MH(C90/270) | 1.18 |
| RATED VOLTAGE(V) | 100-277 | TOTAL FLUX(lm) | 1769.2 | h UP, DN(C0-180) | 0.5, 49.7 |
| NOMINAL FLUX(lm) | 1769.19 | CIE CLASS | DIRECT | h UP, DN(C180-360) | 0.4, 49.4 |
| LAMPS INSIDE | 1 | h up(%) | 0.9 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 120.0 | h down(%) | 99.1 | CIBSE SHR MAX | 1.30 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

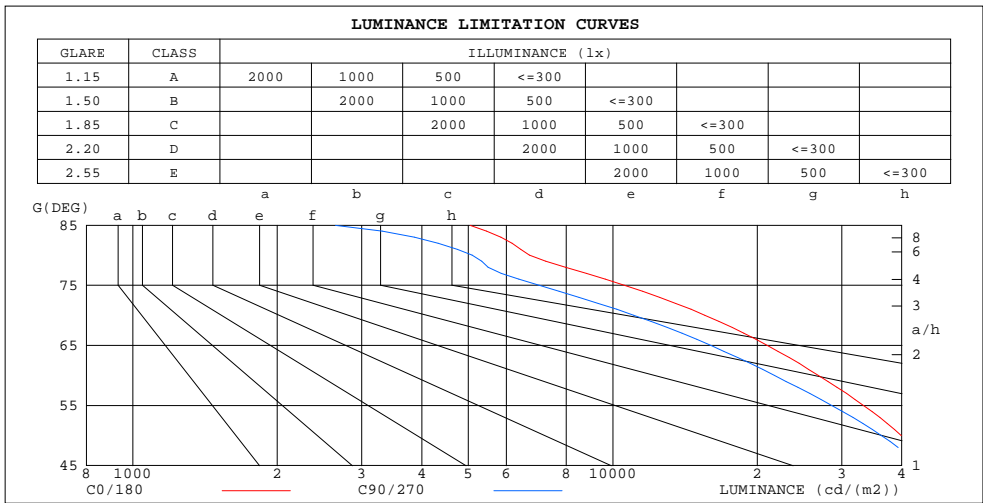
| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|-----------|
| 10 | 828.8 | 829.1 | 827.7 | 826.8 | 826.9 | 824.3 | 825.0 | 827.1 | 0- 10 | 79.75 | 79.75 | 4.51,4.51 |
| 20 | 774.7 | 773.9 | 771.2 | 771.9 | 771.9 | 765.5 | 767.7 | 772.9 | 10- 20 | 226.7 | 306.5 | 17.3,17.3 |
| 30 | 677.1 | 674.4 | 670.6 | 672.1 | 670.0 | 659.9 | 665.0 | 674.1 | 20- 30 | 333.8 | 640.3 | 36.2,36.2 |
| 40 | 548.6 | 545.2 | 537.2 | 539.0 | 534.6 | 522.2 | 529.7 | 543.1 | 30- 40 | 379.0 | 1019 | 57.6,57.6 |
| 50 | 369.6 | 367.4 | 336.0 | 348.9 | 349.8 | 341.8 | 336.3 | 360.7 | 40- 50 | 345.3 | 1365 | 77.1,77.1 |
| 60 | 193.3 | 189.7 | 156.5 | 169.7 | 178.1 | 173.2 | 161.3 | 179.9 | 50- 60 | 230.0 | 1595 | 90.1,90.1 |
| 70 | 76.62 | 71.47 | 54.47 | 63.17 | 72.60 | 66.92 | 58.55 | 67.17 | 60- 70 | 114.0 | 1709 | 96.6,96.6 |
| 80 | 16.76 | 14.32 | 12.74 | 14.53 | 18.22 | 14.95 | 14.02 | 15.24 | 70- 80 | 37.95 | 1747 | 98.7,98.7 |
| 90 | 0.3801 | 0.3761 | 0.3325 | 0.3762 | 0.4353 | 0.3380 | 0.2832 | 0.3106 | 80- 90 | 6.468 | 1753 | 99.1,99.1 |
| 100 | 0.8608 | 0.8180 | 0.8221 | 0.8615 | 0.7912 | 0.7680 | 0.6708 | 0.7079 | 90-100 | 0.5885 | 1754 | 99.1,99.1 |
| 110 | 1.586 | 1.532 | 1.530 | 1.586 | 1.495 | 1.449 | 1.374 | 1.405 | 100-110 | 1.189 | 1755 | 99.2,99.2 |
| 120 | 2.442 | 2.371 | 2.380 | 2.442 | 2.324 | 2.288 | 2.208 | 2.217 | 110-120 | 1.888 | 1757 | 99.3,99.3 |
| 130 | 3.325 | 3.243 | 3.279 | 3.325 | 3.207 | 3.155 | 3.090 | 3.067 | 120-130 | 2.482 | 1759 | 99.4,99.4 |
| 140 | 4.105 | 4.045 | 4.102 | 4.131 | 3.981 | 3.901 | 3.886 | 3.862 | 130-140 | 2.785 | 1762 | 99.6,99.6 |
| 150 | 4.819 | 4.813 | 4.800 | 4.872 | 4.674 | 4.648 | 4.599 | 4.577 | 140-150 | 2.728 | 1765 | 99.7,99.7 |
| 160 | 5.501 | 5.516 | 5.557 | 5.542 | 5.393 | 5.373 | 5.368 | 5.301 | 150-160 | 2.342 | 1767 | 99.9,99.9 |
| 170 | 6.057 | 6.066 | 6.080 | 6.103 | 6.031 | 6.054 | 6.027 | 5.999 | 160-170 | 1.626 | 1769 | 100,100 |
| 180 | 6.379 | 6.409 | 6.369 | 6.419 | 6.374 | 6.414 | 6.375 | 6.414 | 170-180 | 0.5913 | 1769 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--------------------------------|------------------------|-------------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 5047 | 2643 |
| 80 | 6698 | 5095 |
| 75 | 10562 | 7016 |
| 70 | 15549 | 11062 |
| 65 | 20981 | 16006 |
| 60 | 26833 | 21743 |
| 55 | 33290 | 28603 |
| 50 | 39913 | 36309 |
| 45 | 45641 | 43466 |

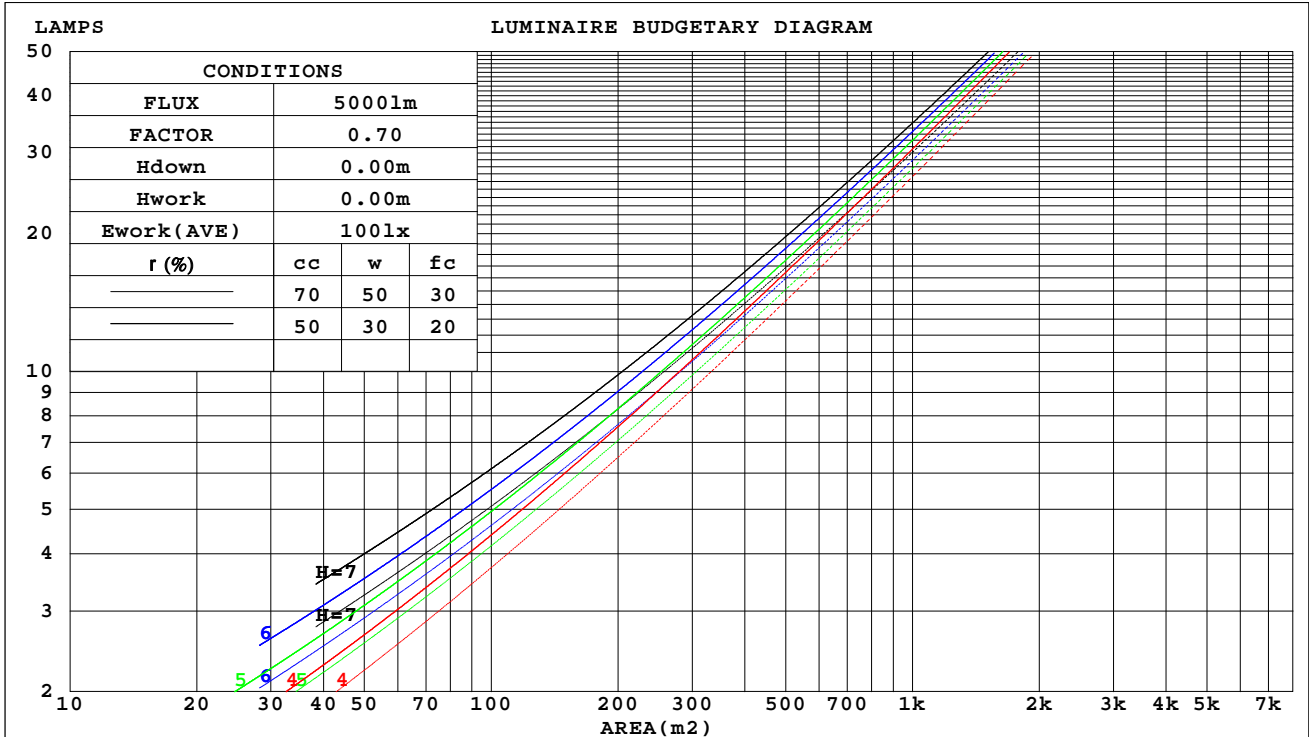
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{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 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.07 | 1.03 | 1.00 | 1.05 | 1.01 | .99 | 1.00 | .98 | .95 | .96 | .94 | .92 | .93 | .91 | .89 | .87 |
| 2.0 | .95 | .90 | .85 | .94 | .88 | .84 | .90 | .86 | .82 | .87 | .83 | .80 | .84 | .81 | .78 | .76 |
| 3.0 | .86 | .79 | .73 | .84 | .77 | .72 | .81 | .75 | .71 | .78 | .74 | .70 | .76 | .72 | .68 | .66 |
| 4.0 | .77 | .69 | .63 | .76 | .68 | .63 | .73 | .67 | .62 | .71 | .65 | .61 | .69 | .64 | .60 | .58 |
| 5.0 | .70 | .62 | .56 | .68 | .61 | .55 | .66 | .60 | .55 | .64 | .59 | .54 | .62 | .57 | .53 | .51 |
| 6.0 | .63 | .55 | .49 | .62 | .55 | .49 | .60 | .54 | .49 | .59 | .53 | .48 | .57 | .52 | .48 | .46 |
| 7.0 | .58 | .50 | .44 | .57 | .49 | .44 | .55 | .49 | .44 | .54 | .48 | .43 | .53 | .47 | .43 | .41 |
| 8.0 | .53 | .45 | .40 | .52 | .45 | .40 | .51 | .44 | .39 | .50 | .44 | .39 | .48 | .43 | .39 | .37 |
| 9.0 | .49 | .41 | .36 | .48 | .41 | .36 | .47 | .40 | .36 | .46 | .40 | .36 | .45 | .39 | .35 | .34 |
| 10.0 | .45 | .38 | .33 | .45 | .38 | .33 | .44 | .37 | .33 | .43 | .37 | .33 | .42 | .36 | .32 | .31 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

WEC AND CCEC

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .248 | .141 | .045 | .241 | .137 | .044 | .227 | .130 | .042 | .215 | .124 | .040 | .204 | .118 | .038 | |
| 2.0 | .241 | .132 | .041 | .235 | .129 | .040 | .223 | .124 | .039 | .213 | .119 | .037 | .203 | .115 | .036 | |
| 3.0 | .229 | .122 | .037 | .224 | .120 | .036 | .213 | .116 | .035 | .204 | .112 | .034 | .195 | .108 | .033 | |
| 4.0 | .216 | .112 | .033 | .211 | .111 | .033 | .202 | .107 | .032 | .194 | .104 | .031 | .186 | .101 | .031 | |
| 5.0 | .203 | .104 | .030 | .199 | .102 | .030 | .191 | .099 | .029 | .183 | .097 | .029 | .176 | .094 | .028 | |
| 6.0 | .191 | .096 | .027 | .187 | .095 | .027 | .180 | .092 | .027 | .173 | .090 | .026 | .167 | .088 | .026 | |
| 7.0 | .180 | .089 | .025 | .177 | .088 | .025 | .170 | .086 | .025 | .164 | .084 | .024 | .158 | .082 | .024 | |
| 8.0 | .170 | .083 | .023 | .167 | .082 | .023 | .161 | .080 | .023 | .156 | .079 | .023 | .150 | .077 | .022 | |
| 9.0 | .161 | .078 | .022 | .158 | .077 | .022 | .153 | .075 | .021 | .148 | .074 | .021 | .143 | .073 | .021 | |
| 10.0 | .152 | .073 | .020 | .150 | .072 | .020 | .145 | .071 | .020 | .140 | .070 | .020 | .136 | .068 | .020 | |

| r _{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| r _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| r _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .197 | .197 | .197 | .169 | .169 | .169 | .115 | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 | |
| 1.0 | .183 | .164 | .146 | .157 | .141 | .126 | .107 | .097 | .087 | .062 | .056 | .051 | .020 | .018 | .016 | |
| 2.0 | .173 | .139 | .111 | .148 | .120 | .096 | .101 | .083 | .067 | .058 | .048 | .039 | .019 | .016 | .013 | |
| 3.0 | .164 | .121 | .087 | .140 | .105 | .076 | .096 | .073 | .053 | .056 | .042 | .031 | .018 | .014 | .010 | |
| 4.0 | .156 | .107 | .070 | .134 | .093 | .061 | .092 | .065 | .043 | .053 | .038 | .025 | .017 | .012 | .008 | |
| 5.0 | .149 | .097 | .058 | .128 | .084 | .051 | .088 | .058 | .036 | .051 | .034 | .021 | .016 | .011 | .007 | |
| 6.0 | .142 | .088 | .050 | .122 | .076 | .043 | .084 | .053 | .031 | .049 | .031 | .018 | .016 | .010 | .006 | |
| 7.0 | .136 | .081 | .043 | .117 | .070 | .037 | .081 | .049 | .027 | .047 | .029 | .016 | .015 | .010 | .005 | |
| 8.0 | .130 | .075 | .038 | .112 | .065 | .033 | .077 | .046 | .023 | .045 | .027 | .014 | .015 | .009 | .005 | |
| 9.0 | .124 | .070 | .034 | .107 | .061 | .030 | .074 | .043 | .021 | .043 | .025 | .013 | .014 | .008 | .004 | |
| 10.0 | .119 | .066 | .031 | .103 | .057 | .027 | .071 | .040 | .019 | .042 | .024 | .011 | .013 | .008 | .004 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|------------------|-----------------|------|------|------|----------------|------------------|------|------|------|--|
| NAME: | | TYPE: | | | | | WEIGHT: | | | | |
| SPEC.: | | DIM.: | | | | | SERIAL No.: | | | | |
| MFR.: ASD LIGHTING CORP | | SUR.: 0.12*0.12 | | | | | 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 | 22.7 | 24.0 | 23.0 | 24.2 | 24.4 | 22.1 | 23.4 | 22.3 | 23.6 | 23.8 | |
| 3H | 23.2 | 24.4 | 23.5 | 24.6 | 24.9 | 22.3 | 23.6 | 22.6 | 23.8 | 24.0 | |
| 4H | 23.2 | 24.4 | 23.6 | 24.7 | 24.9 | 22.3 | 23.5 | 22.7 | 23.8 | 24.0 | |
| 6H | 23.2 | 24.3 | 23.6 | 24.6 | 24.9 | 22.3 | 23.4 | 22.6 | 23.7 | 23.9 | |
| 8H | 23.2 | 24.2 | 23.5 | 24.5 | 24.8 | 22.3 | 23.3 | 22.6 | 23.6 | 23.9 | |
| 12H | 23.2 | 24.2 | 23.5 | 24.5 | 24.8 | 22.2 | 23.2 | 22.6 | 23.5 | 23.8 | |
| 4H 2H | 22.9 | 24.0 | 23.2 | 24.3 | 24.6 | 22.3 | 23.5 | 22.7 | 23.8 | 24.0 | |
| 3H | 23.5 | 24.5 | 23.8 | 24.8 | 25.1 | 22.7 | 23.7 | 23.1 | 24.0 | 24.3 | |
| 4H | 23.6 | 24.5 | 24.0 | 24.8 | 25.2 | 22.7 | 23.6 | 23.1 | 24.0 | 24.3 | |
| 6H | 23.6 | 24.4 | 24.0 | 24.8 | 25.1 | 22.7 | 23.5 | 23.1 | 23.9 | 24.2 | |
| 8H | 23.6 | 24.3 | 24.0 | 24.7 | 25.1 | 22.7 | 23.4 | 23.1 | 23.8 | 24.2 | |
| 12H | 23.6 | 24.2 | 24.0 | 24.6 | 25.1 | 22.7 | 23.3 | 23.1 | 23.7 | 24.1 | |
| 8H 4H | 23.5 | 24.3 | 24.0 | 24.7 | 25.0 | 22.7 | 23.5 | 23.1 | 23.8 | 24.2 | |
| 6H | 23.6 | 24.2 | 24.0 | 24.6 | 25.0 | 22.7 | 23.3 | 23.2 | 23.7 | 24.2 | |
| 8H | 23.6 | 24.1 | 24.1 | 24.6 | 25.0 | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 | |
| 12H | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 | 22.7 | 23.1 | 23.2 | 23.6 | 24.1 | |
| 12H 4H | 23.5 | 24.2 | 23.9 | 24.6 | 25.0 | 22.7 | 23.4 | 23.1 | 23.7 | 24.2 | |
| 6H | 23.6 | 24.1 | 24.0 | 24.5 | 25.0 | 22.7 | 23.2 | 23.2 | 23.7 | 24.1 | |
| 8H | 23.6 | 24.0 | 24.1 | 24.5 | 25.0 | 22.7 | 23.2 | 23.2 | 23.6 | 24.1 | |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.6 / - 0.8 | | | | | + 0.8 / - 1.0 | | | | | |
| 1.5H | + 0.3 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | | |
| 2.0H | + 1.2 / - 1.3 | | | | | + 1.5 / - 1.7 | | | | | |

CIE Pub.117, 1769 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.0)
 Area: 0.0144 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

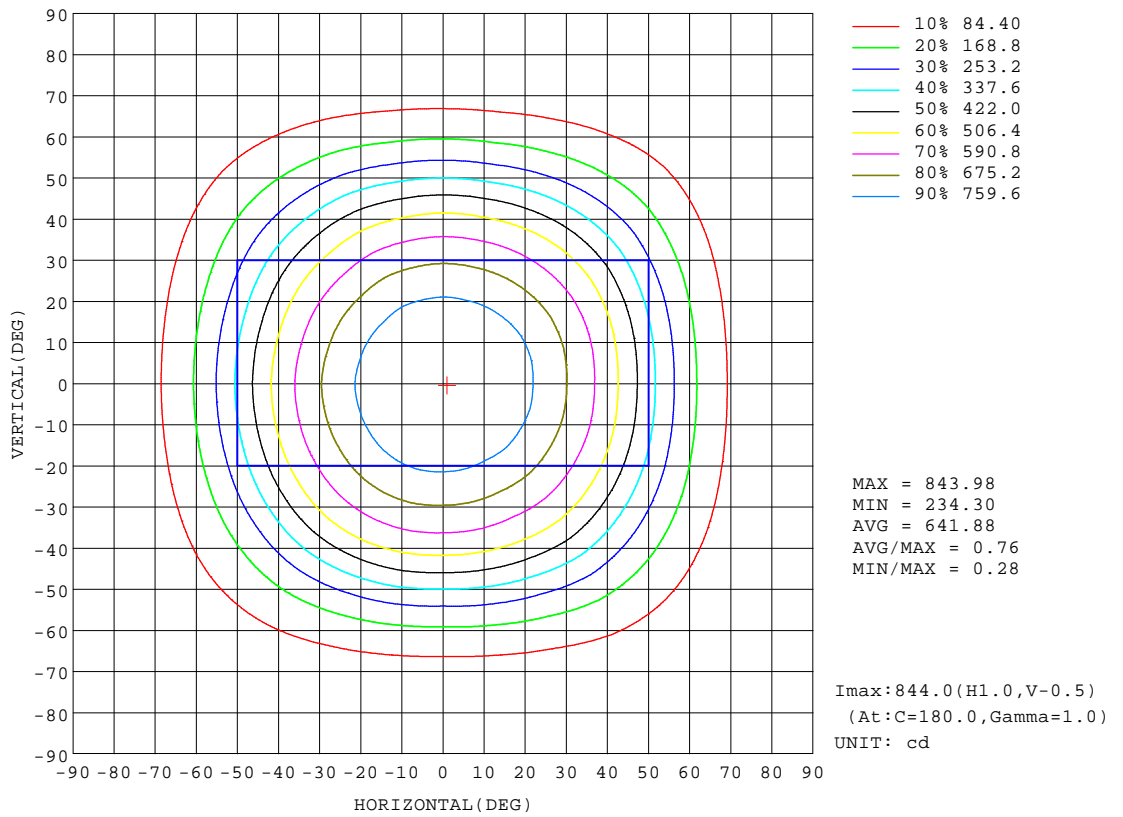
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 65 | 54 | 48 | 64 | 54 | 48 | 63 | 54 | 48 | 42 |
| 0.80 | 75 | 65 | 59 | 74 | 64 | 58 | 72 | 64 | 58 | 52 |
| 1.00 | 83 | 74 | 68 | 82 | 73 | 67 | 80 | 74 | 67 | 61 |
| 1.25 | 90 | 81 | 75 | 88 | 80 | 75 | 86 | 79 | 74 | 68 |
| 1.50 | 94 | 86 | 81 | 93 | 85 | 80 | 90 | 84 | 79 | 72 |
| 2.00 | 100 | 93 | 88 | 98 | 92 | 87 | 95 | 90 | 86 | 79 |
| 2.50 | 103 | 97 | 92 | 101 | 96 | 91 | 97 | 93 | 89 | 82 |
| 3.00 | 106 | 100 | 96 | 104 | 99 | 95 | 100 | 96 | 93 | 85 |
| 4.00 | 109 | 104 | 101 | 107 | 103 | 99 | 103 | 99 | 97 | 88 |
| 5.00 | 111 | 107 | 104 | 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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |



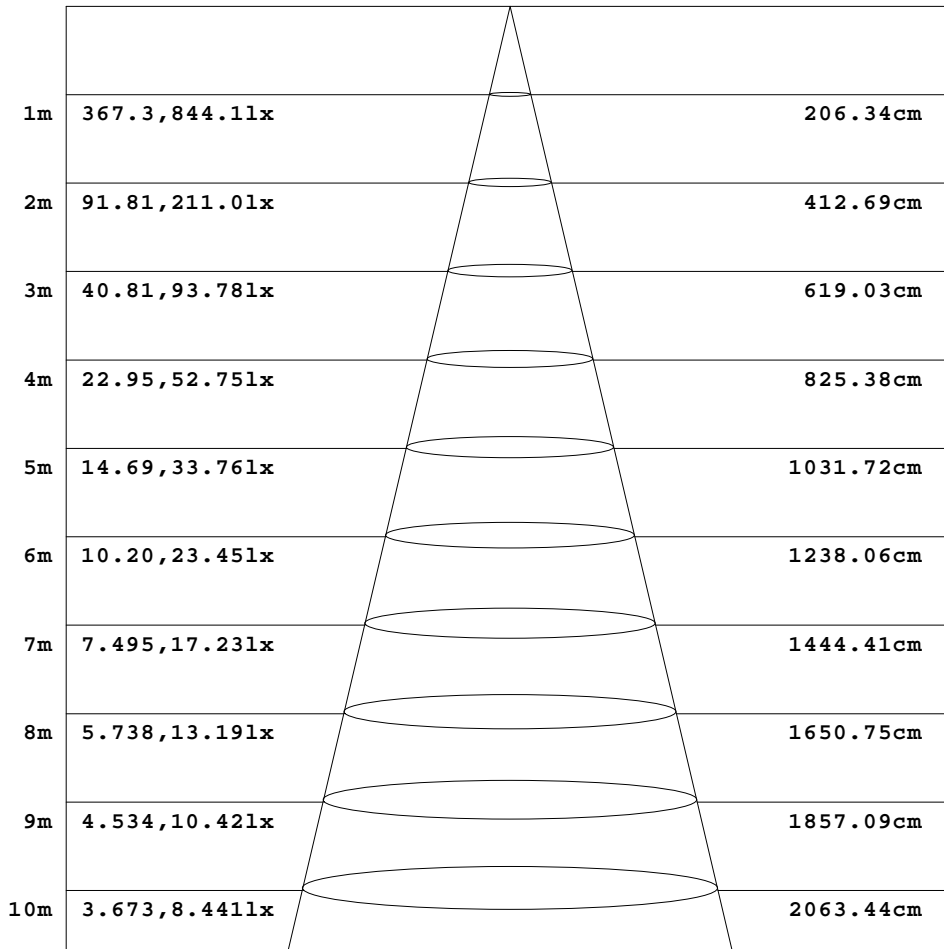
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

AAI Figure

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

Flux out:1237 lm



Height Eavg, Emax Angle:91.79deg Diameter

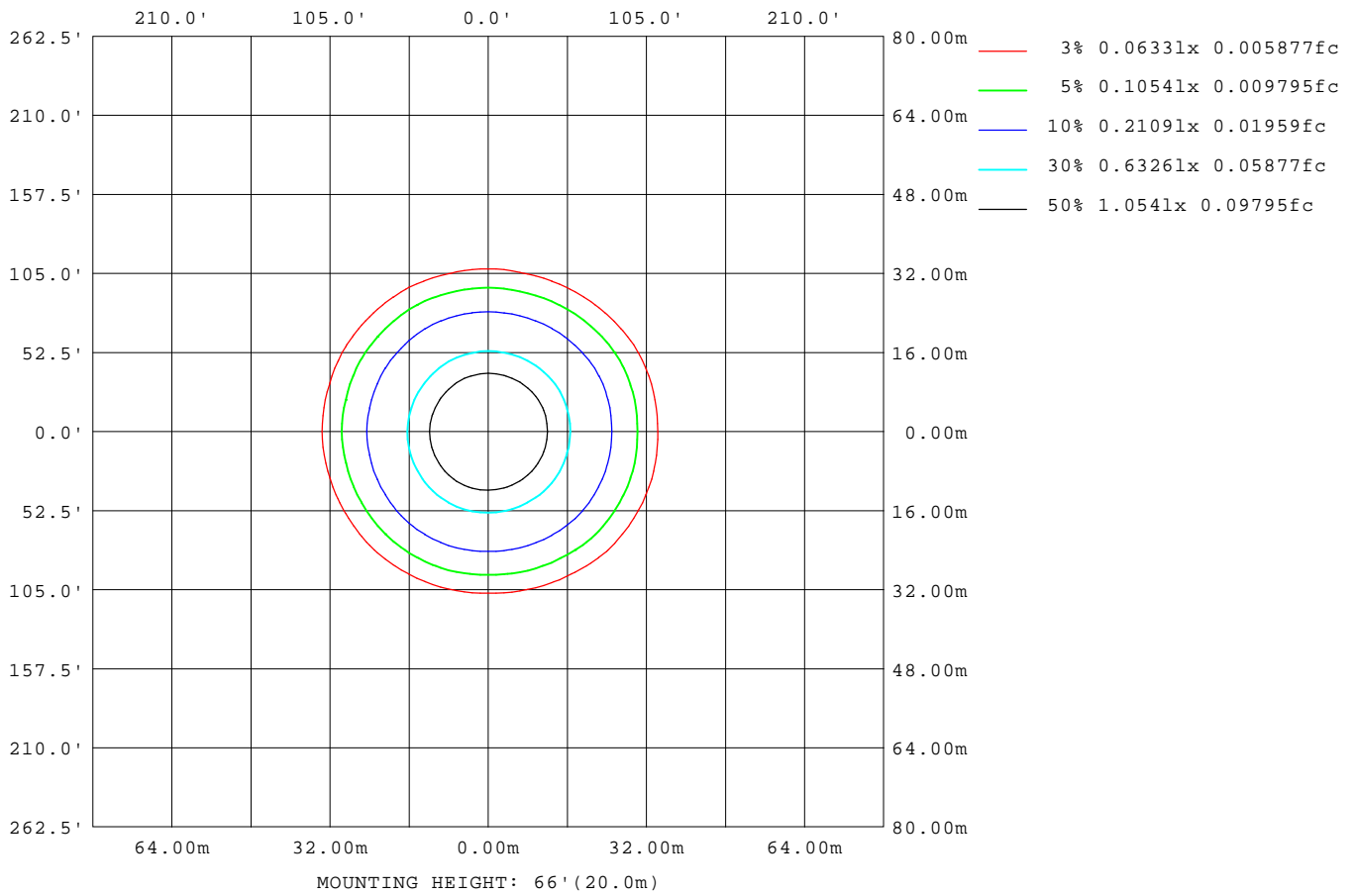
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--------------------------------|------------------------|-------------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

LED Avg.L Report

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

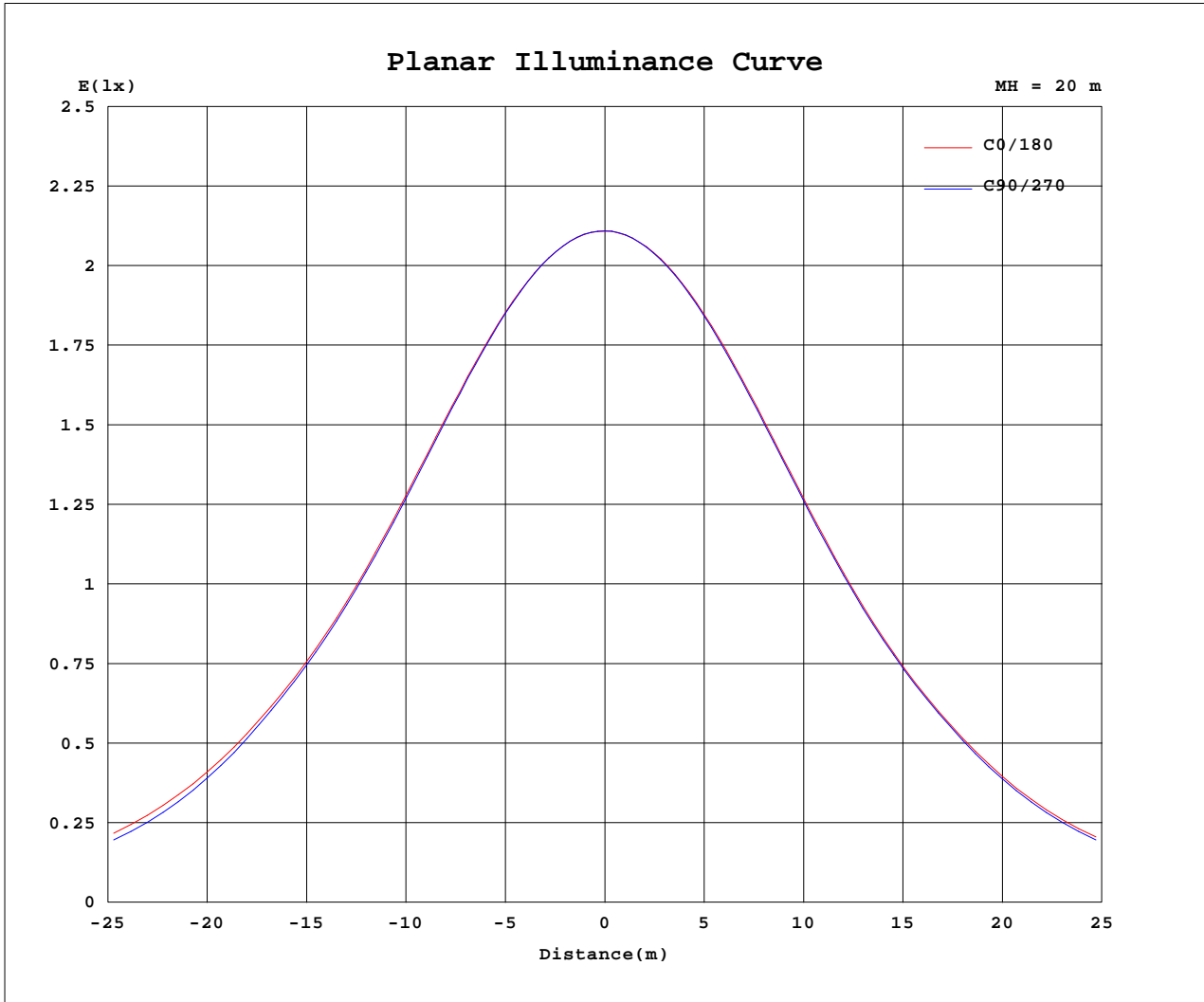
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 20175 |
| L_0~180(75)av | 10578 |
| L_0~180(85)av | 5444 |
| L_90~270(65)av | 16367 |
| L_90~270(75)av | 7435 |
| L_90~270(85)av | 3030 |
| L_45(65)av | 18852 |
| L_45(75)av | 9059 |
| L_45(85)av | 3935 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 | 844 |
| 5 | 841 | 841 | 841 | 841 | 840 | 840 | 840 | 841 | 840 | 839 | 839 | 839 | 840 | 839 | 839 | 839 | 839 | 839 | 839 |
| 10 | 829 | 830 | 829 | 829 | 827 | 828 | 828 | 828 | 827 | 827 | 826 | 826 | 827 | 826 | 825 | 824 | 825 | 825 | 825 |
| 15 | 807 | 809 | 807 | 807 | 805 | 805 | 805 | 806 | 806 | 805 | 804 | 804 | 805 | 803 | 802 | 801 | 802 | 802 | 802 |
| 20 | 775 | 776 | 774 | 774 | 770 | 771 | 771 | 773 | 773 | 772 | 770 | 770 | 772 | 768 | 767 | 765 | 768 | 767 | 768 |
| 25 | 731 | 732 | 730 | 729 | 724 | 725 | 726 | 729 | 729 | 727 | 725 | 724 | 727 | 722 | 720 | 718 | 722 | 720 | 722 |
| 30 | 677 | 678 | 675 | 674 | 669 | 670 | 671 | 674 | 674 | 672 | 669 | 668 | 670 | 664 | 662 | 660 | 664 | 663 | 665 |
| 35 | 616 | 617 | 614 | 613 | 607 | 608 | 608 | 611 | 611 | 609 | 605 | 604 | 605 | 599 | 597 | 594 | 599 | 598 | 600 |
| 40 | 549 | 550 | 546 | 545 | 538 | 538 | 537 | 541 | 541 | 539 | 534 | 533 | 535 | 527 | 525 | 522 | 528 | 527 | 530 |
| 45 | 465 | 467 | 464 | 464 | 452 | 446 | 442 | 450 | 451 | 450 | 445 | 445 | 448 | 442 | 442 | 439 | 442 | 437 | 439 |
| 50 | 370 | 372 | 369 | 367 | 352 | 343 | 336 | 344 | 346 | 349 | 345 | 346 | 350 | 344 | 346 | 342 | 344 | 336 | 336 |
| 55 | 275 | 279 | 276 | 273 | 254 | 244 | 236 | 243 | 246 | 251 | 249 | 251 | 256 | 253 | 255 | 251 | 250 | 241 | 240 |
| 60 | 193 | 197 | 194 | 190 | 172 | 162 | 157 | 161 | 164 | 170 | 170 | 173 | 178 | 176 | 178 | 173 | 170 | 163 | 161 |
| 65 | 128 | 130 | 128 | 123 | 109 | 101 | 97.4 | 100 | 103 | 108 | 111 | 114 | 118 | 117 | 117 | 113 | 109 | 103 | 102 |
| 70 | 76.6 | 78.5 | 76.1 | 71.5 | 61.3 | 57.0 | 54.5 | 56.7 | 59.1 | 63.2 | 66.2 | 69.3 | 72.6 | 71.5 | 71.0 | 66.9 | 63.8 | 59.6 | 58.5 |
| 75 | 39.4 | 40.1 | 37.9 | 34.9 | 28.9 | 27.0 | 26.1 | 27.5 | 29.1 | 32.0 | 34.7 | 37.2 | 39.5 | 38.4 | 37.8 | 34.4 | 32.4 | 29.7 | 29.3 |
| 80 | 16.8 | 16.4 | 15.0 | 14.3 | 13.0 | 13.0 | 12.7 | 13.4 | 14.0 | 14.5 | 15.6 | 17.0 | 18.2 | 17.2 | 16.0 | 14.9 | 14.8 | 14.2 | 14.0 |
| 85 | 6.34 | 6.15 | 5.23 | 4.59 | 3.40 | 3.47 | 3.32 | 3.77 | 4.21 | 4.91 | 5.58 | 6.69 | 7.33 | 6.66 | 5.99 | 5.11 | 4.97 | 4.44 | 4.29 |
| 90 | 0.38 | 0.40 | 0.41 | 0.38 | 0.35 | 0.34 | 0.33 | 0.33 | 0.35 | 0.38 | 0.43 | 0.42 | 0.44 | 0.37 | 0.37 | 0.34 | 0.31 | 0.28 | 0.28 |
| 95 | 0.58 | 0.57 | 0.58 | 0.58 | 0.57 | 0.56 | 0.60 | 0.56 | 0.60 | 0.59 | 0.62 | 0.62 | 0.52 | 0.54 | 0.52 | 0.51 | 0.46 | 0.45 | 0.43 |
| 100 | 0.86 | 0.84 | 0.85 | 0.82 | 0.84 | 0.81 | 0.82 | 0.80 | 0.84 | 0.86 | 0.91 | 0.91 | 0.79 | 0.81 | 0.79 | 0.77 | 0.71 | 0.70 | 0.67 |
| 105 | 1.20 | 1.18 | 1.19 | 1.15 | 1.17 | 1.14 | 1.14 | 1.13 | 1.17 | 1.20 | 1.26 | 1.25 | 1.12 | 1.14 | 1.11 | 1.08 | 1.03 | 1.01 | 0.99 |
| 110 | 1.59 | 1.57 | 1.57 | 1.53 | 1.56 | 1.53 | 1.53 | 1.51 | 1.55 | 1.59 | 1.66 | 1.65 | 1.49 | 1.51 | 1.48 | 1.45 | 1.40 | 1.40 | 1.37 |
| 115 | 2.01 | 1.97 | 1.96 | 1.94 | 1.97 | 1.93 | 1.94 | 1.92 | 1.96 | 2.00 | 2.07 | 2.06 | 1.88 | 1.91 | 1.89 | 1.86 | 1.82 | 1.80 | 1.78 |
| 120 | 2.44 | 2.40 | 2.40 | 2.37 | 2.41 | 2.38 | 2.38 | 2.37 | 2.41 | 2.44 | 2.50 | 2.51 | 2.32 | 2.34 | 2.31 | 2.29 | 2.23 | 2.23 | 2.21 |
| 125 | 2.88 | 2.86 | 2.83 | 2.82 | 2.85 | 2.83 | 2.83 | 2.82 | 2.86 | 2.89 | 2.95 | 2.94 | 2.77 | 2.77 | 2.74 | 2.72 | 2.67 | 2.67 | 2.67 |
| 130 | 3.32 | 3.29 | 3.27 | 3.24 | 3.28 | 3.27 | 3.28 | 3.27 | 3.29 | 3.32 | 3.37 | 3.38 | 3.21 | 3.19 | 3.16 | 3.15 | 3.11 | 3.10 | 3.09 |
| 135 | 3.75 | 3.69 | 3.66 | 3.65 | 3.69 | 3.68 | 3.69 | 3.68 | 3.70 | 3.74 | 3.78 | 3.82 | 3.59 | 3.59 | 3.54 | 3.51 | 3.51 | 3.50 | 3.50 |
| 140 | 4.10 | 4.07 | 4.07 | 4.04 | 4.10 | 4.07 | 4.10 | 4.09 | 4.10 | 4.13 | 4.18 | 4.17 | 3.98 | 3.95 | 3.92 | 3.90 | 3.89 | 3.88 | 3.89 |
| 145 | 4.47 | 4.43 | 4.44 | 4.44 | 4.46 | 4.46 | 4.49 | 4.48 | 4.47 | 4.50 | 4.55 | 4.54 | 4.32 | 4.31 | 4.28 | 4.29 | 4.25 | 4.22 | 4.26 |
| 150 | 4.82 | 4.80 | 4.78 | 4.81 | 4.81 | 4.78 | 4.80 | 4.81 | 4.81 | 4.87 | 4.88 | 4.88 | 4.67 | 4.67 | 4.65 | 4.65 | 4.59 | 4.59 | 4.60 |
| 155 | 5.17 | 5.15 | 5.13 | 5.15 | 5.18 | 5.18 | 5.20 | 5.19 | 5.21 | 5.22 | 5.27 | 5.26 | 5.04 | 5.04 | 5.00 | 5.01 | 4.97 | 4.98 | 4.99 |
| 160 | 5.50 | 5.49 | 5.50 | 5.52 | 5.51 | 5.54 | 5.56 | 5.57 | 5.55 | 5.54 | 5.60 | 5.62 | 5.39 | 5.44 | 5.42 | 5.37 | 5.35 | 5.37 | 5.37 |
| 165 | 5.81 | 5.82 | 5.80 | 5.81 | 5.82 | 5.83 | 5.88 | 5.87 | 5.86 | 5.83 | 5.87 | 5.88 | 5.74 | 5.78 | 5.77 | 5.75 | 5.70 | 5.72 | 5.75 |
| 170 | 6.06 | 6.04 | 6.04 | 6.07 | 6.09 | 6.09 | 6.08 | 6.09 | 6.09 | 6.10 | 6.14 | 6.13 | 6.03 | 6.05 | 6.04 | 6.05 | 6.01 | 6.03 | 6.03 |
| 175 | 6.27 | 6.25 | 6.26 | 6.28 | 6.30 | 6.27 | 6.27 | 6.26 | 6.30 | 6.34 | 6.35 | 6.31 | 6.25 | 6.27 | 6.29 | 6.28 | 6.25 | 6.24 | 6.23 |
| 180 | 6.38 | 6.37 | 6.38 | 6.41 | 6.39 | 6.37 | 6.37 | 6.37 | 6.39 | 6.42 | 6.40 | 6.37 | 6.37 | 6.37 | 6.38 | 6.41 | 6.39 | 6.37 | 6.37 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.000m [K=1.1000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-------------------------|-----------------|------------------|
| NAME: | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.: 0.12*0.12 | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) g (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 844 | 844 | 844 | 844 | 844 | | | | | | | | | | | | | | |
| 5 | 839 | 839 | 840 | 840 | 841 | | | | | | | | | | | | | | |
| 10 | 825 | 826 | 827 | 829 | 829 | | | | | | | | | | | | | | |
| 15 | 802 | 803 | 805 | 808 | 808 | | | | | | | | | | | | | | |
| 20 | 767 | 770 | 773 | 777 | 777 | | | | | | | | | | | | | | |
| 25 | 722 | 725 | 729 | 734 | 734 | | | | | | | | | | | | | | |
| 30 | 665 | 669 | 674 | 681 | 681 | | | | | | | | | | | | | | |
| 35 | 600 | 605 | 611 | 619 | 620 | | | | | | | | | | | | | | |
| 40 | 529 | 536 | 543 | 552 | 553 | | | | | | | | | | | | | | |
| 45 | 439 | 448 | 460 | 470 | 470 | | | | | | | | | | | | | | |
| 50 | 336 | 347 | 361 | 375 | 375 | | | | | | | | | | | | | | |
| 55 | 239 | 250 | 264 | 279 | 280 | | | | | | | | | | | | | | |
| 60 | 161 | 169 | 180 | 194 | 196 | | | | | | | | | | | | | | |
| 65 | 101 | 107 | 115 | 126 | 129 | | | | | | | | | | | | | | |
| 70 | 57.9 | 61.3 | 67.2 | 75.3 | 77.8 | | | | | | | | | | | | | | |
| 75 | 28.6 | 30.6 | 33.8 | 38.9 | 40.4 | | | | | | | | | | | | | | |
| 80 | 13.8 | 14.4 | 15.2 | 17.2 | 17.5 | | | | | | | | | | | | | | |
| 85 | 4.04 | 4.45 | 5.14 | 6.21 | 6.73 | | | | | | | | | | | | | | |
| 90 | 0.27 | 0.29 | 0.31 | 0.31 | 0.30 | | | | | | | | | | | | | | |
| 95 | 0.43 | 0.44 | 0.46 | 0.45 | 0.48 | | | | | | | | | | | | | | |
| 100 | 0.69 | 0.70 | 0.71 | 0.71 | 0.72 | | | | | | | | | | | | | | |
| 105 | 1.01 | 1.03 | 1.02 | 1.03 | 1.05 | | | | | | | | | | | | | | |
| 110 | 1.39 | 1.40 | 1.41 | 1.40 | 1.41 | | | | | | | | | | | | | | |
| 115 | 1.79 | 1.82 | 1.80 | 1.79 | 1.80 | | | | | | | | | | | | | | |
| 120 | 2.23 | 2.24 | 2.22 | 2.19 | 2.22 | | | | | | | | | | | | | | |
| 125 | 2.68 | 2.66 | 2.63 | 2.63 | 2.65 | | | | | | | | | | | | | | |
| 130 | 3.11 | 3.09 | 3.07 | 3.05 | 3.08 | | | | | | | | | | | | | | |
| 135 | 3.51 | 3.49 | 3.45 | 3.44 | 3.48 | | | | | | | | | | | | | | |
| 140 | 3.88 | 3.86 | 3.86 | 3.82 | 3.83 | | | | | | | | | | | | | | |
| 145 | 4.23 | 4.24 | 4.21 | 4.18 | 4.19 | | | | | | | | | | | | | | |
| 150 | 4.58 | 4.57 | 4.58 | 4.53 | 4.54 | | | | | | | | | | | | | | |
| 155 | 4.98 | 4.95 | 4.93 | 4.92 | 4.96 | | | | | | | | | | | | | | |
| 160 | 5.37 | 5.32 | 5.30 | 5.33 | 5.35 | | | | | | | | | | | | | | |
| 165 | 5.74 | 5.69 | 5.66 | 5.64 | 5.64 | | | | | | | | | | | | | | |
| 170 | 6.07 | 6.03 | 6.00 | 5.94 | 5.93 | | | | | | | | | | | | | | |
| 175 | 6.24 | 6.25 | 6.24 | 6.21 | 6.20 | | | | | | | | | | | | | | |
| 180 | 6.38 | 6.39 | 6.41 | 6.39 | 6.37 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.1000]
 Remarks: