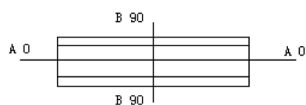
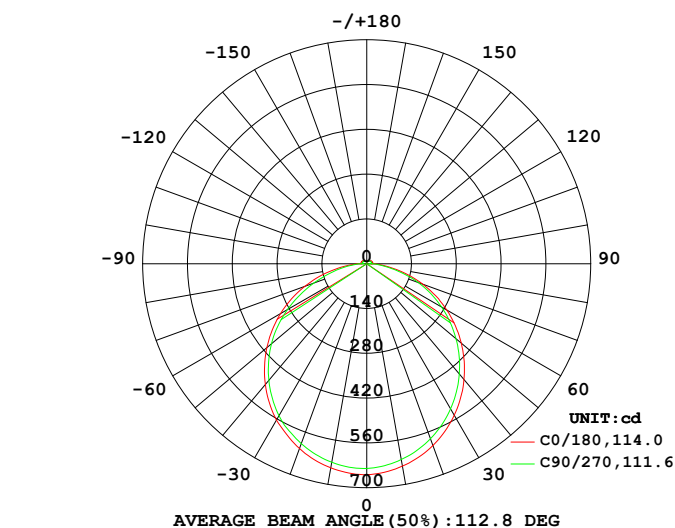


LUMINAIRE PHOTOMETRIC TEST REPORT

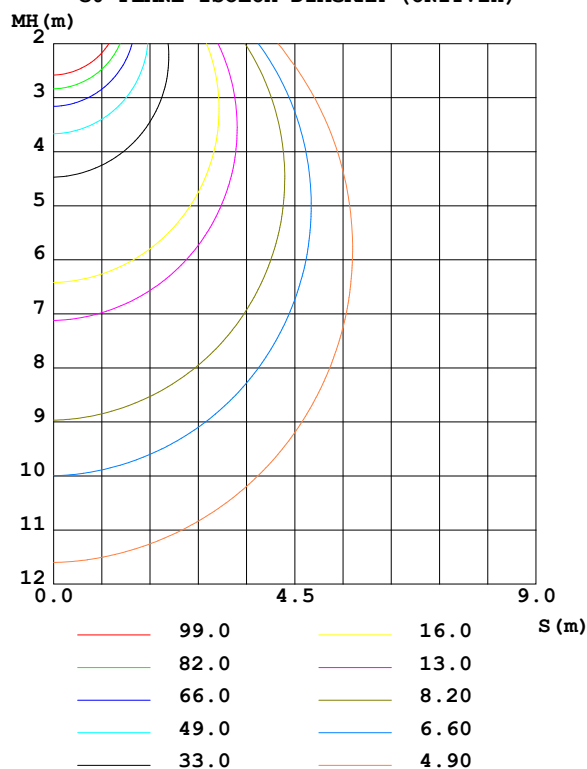
| | | |
|---|-------------|-------------|
| Test:U:220.13V I:0.2020A P:40.927W PF:0.9206 Freq:50.00Hz | | |
| Lamp Flux:1946.87x1 lm | | |
| NAME: SB-D101 40WSZ 40W | | WEIGHT: |
| TYPE: SPEC.: 4000K | DIM.: 31.5" | SERIAL No.: |
| MFR.: SNOWBALL | SUR.: 800mm | |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 47.57 lm/W |
|-------------------|---------|-----------------------|--------|--------------------|--|-----------------|
| MODEL | | I _{max} (cd) | 659.3 | S/MH (C0/180) | | 1.27 |
| NOMINAL POWER(W) | | LOR (%) | 100.0 | S/MH (C90/270) | | 1.27 |
| RATED VOLTAGE (V) | -- | TOTAL FLUX(lm) | 1946.9 | η UP,DN (C0-180) | | 2.2,47.0 |
| NOMINAL FLUX(lm) | 1946.87 | CIE CLASS | DIRECT | η UP,DN (C180-360) | | 2.1,48.7 |
| LAMPS INSIDE | 1 | η up (%) | 4.3 | CIBSE SHR NOM | | 1.25 |
| TEST VOLTAGE (V) | -- | η down (%) | 95.7 | CIBSE SHR MAX | | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [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 | 642.2 | 629.5 | 621.4 | 619.3 | 647.5 | 638.5 | 630.0 | 623.2 | 0~ 10 | 60.69 | 60.69 | 3.12,3.12 |
| 20 | 604.5 | 590.5 | 582.0 | 583.6 | 614.6 | 607.7 | 598.2 | 588.7 | 10~ 20 | 173.4 | 234.1 | 12,12 |
| 30 | 546.8 | 531.5 | 523.9 | 527.1 | 564.5 | 559.2 | 548.6 | 537.9 | 20~ 30 | 262.6 | 496.8 | 25.5,25.5 |
| 40 | 472.9 | 457.0 | 449.9 | 455.5 | 493.0 | 488.7 | 475.9 | 466.6 | 30~ 40 | 316.8 | 813.6 | 41.8,41.8 |
| 50 | 385.8 | 370.3 | 364.1 | 371.6 | 407.3 | 402.1 | 388.6 | 381.0 | 40~ 50 | 329.3 | 1143 | 58.7,58.7 |
| 60 | 288.5 | 274.4 | 269.7 | 278.1 | 311.2 | 304.2 | 285.8 | 284.6 | 50~ 60 | 299.9 | 1443 | 74.1,74.1 |
| 70 | 185.2 | 173.2 | 170.6 | 178.8 | 205.8 | 193.3 | 175.4 | 177.1 | 60~ 70 | 232.0 | 1675 | 86,86 |
| 80 | 84.23 | 75.52 | 70.84 | 79.98 | 100.9 | 89.81 | 79.36 | 76.05 | 70~ 80 | 137.7 | 1813 | 93.1,93.1 |
| 90 | 20.22 | 10.93 | 8.631 | 16.91 | 27.69 | 23.85 | 14.93 | 15.92 | 80~ 90 | 50.33 | 1863 | 95.7,95.7 |
| 100 | 19.27 | 17.50 | 16.06 | 15.92 | 18.36 | 16.75 | 13.37 | 15.21 | 90~100 | 16.97 | 1880 | 96.6,96.6 |
| 110 | 18.53 | 17.03 | 15.10 | 15.60 | 17.77 | 16.09 | 14.26 | 14.50 | 100~110 | 17.16 | 1897 | 97.4,97.4 |
| 120 | 17.53 | 15.63 | 14.49 | 14.93 | 17.00 | 15.51 | 13.59 | 13.82 | 110~120 | 15.31 | 1912 | 98.2,98.2 |
| 130 | 14.40 | 13.58 | 12.82 | 11.80 | 14.34 | 12.33 | 12.23 | 11.74 | 120~130 | 12.59 | 1925 | 98.9,98.9 |
| 140 | 10.77 | 10.96 | 10.90 | 11.17 | 11.26 | 12.02 | 10.69 | 10.55 | 130~140 | 9.213 | 1934 | 99.3,99.3 |
| 150 | 9.154 | 8.831 | 8.899 | 8.676 | 9.365 | 8.817 | 8.734 | 8.744 | 140~150 | 6.225 | 1940 | 99.7,99.7 |
| 160 | 8.177 | 8.426 | 7.907 | 7.477 | 7.995 | 7.589 | 7.546 | 7.443 | 150~160 | 3.856 | 1944 | 99.9,99.9 |
| 170 | 6.992 | 6.841 | 6.631 | 6.612 | 7.093 | 6.705 | 6.514 | 6.508 | 160~170 | 2.115 | 1946 | 100,100 |
| 180 | 5.354 | 5.142 | 5.083 | 5.077 | 5.386 | 5.165 | 5.102 | 5.091 | 170~180 | 0.5849 | 1947 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 979.35 lm

%lum = 50.3%

%lamp = 50.3%

Conical surface Flux(120deg): 1442.8 lm

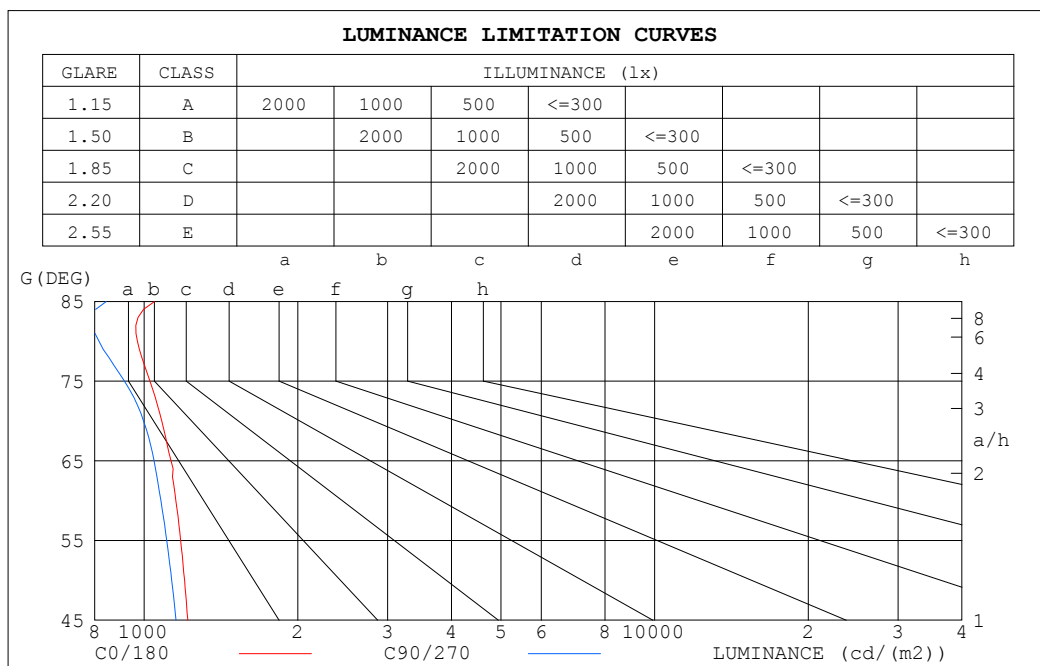
%lum = 74.1%

%lamp = 74.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES



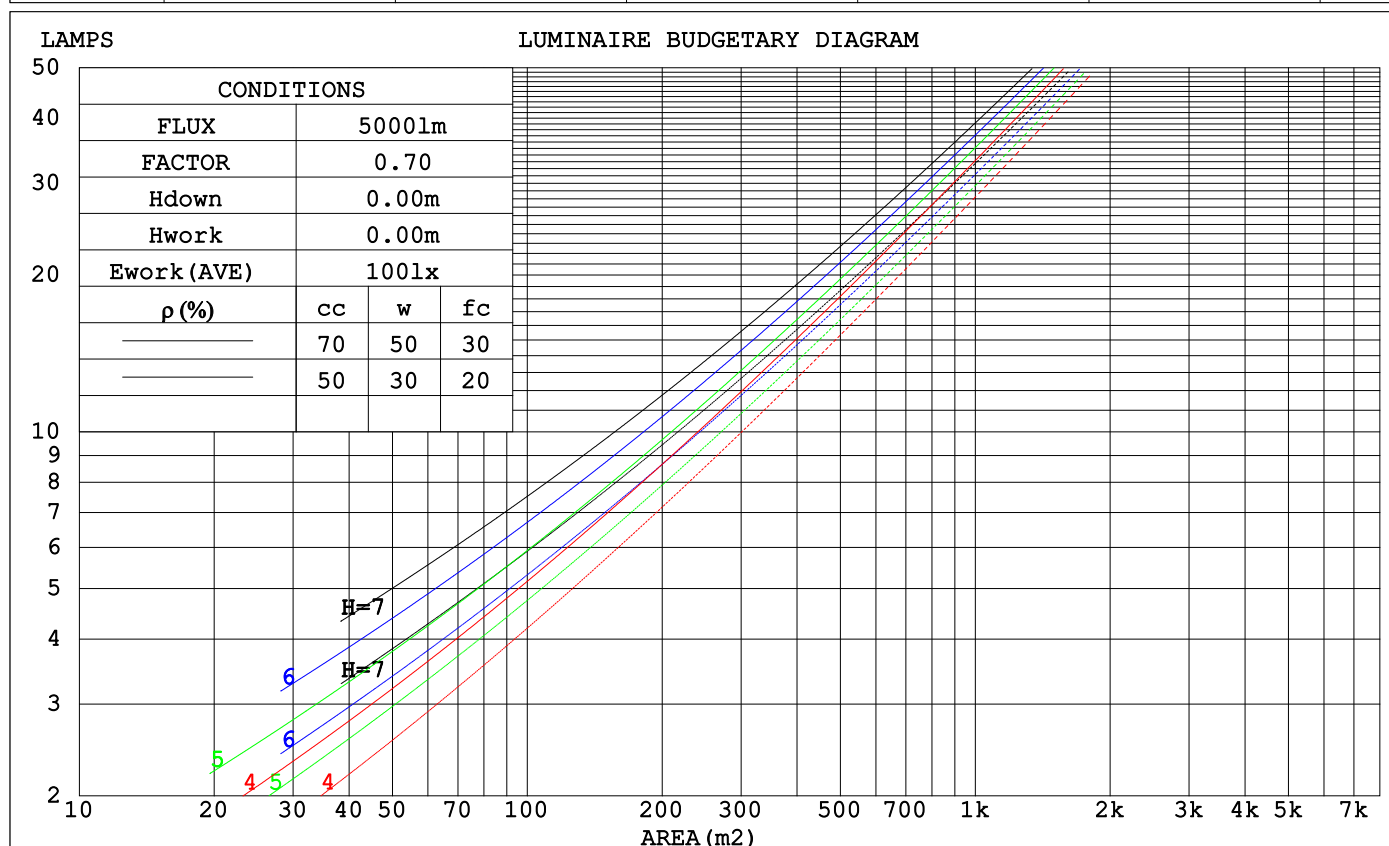
| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1048 | 843 |
| 80 | 970 | 816 |
| 75 | 1027 | 915 |
| 70 | 1083 | 997 |
| 65 | 1130 | 1046 |
| 60 | 1154 | 1079 |
| 55 | 1180 | 1108 |
| 50 | 1201 | 1133 |
| 45 | 1218 | 1155 |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|-----|-----|-----|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.09 | 1.09 | 1.09 | 1.03 | 1.03 | 1.03 | .98 | .98 | .98 | .96 |
| 1.0 | 1.02 | .98 | .94 | .90 | .96 | .92 | .95 | .91 | .88 | .90 | .87 | .85 | .86 | .84 | .82 | .79 |
| 2.0 | .89 | .82 | .76 | .87 | .80 | .75 | .82 | .77 | .73 | .79 | .74 | .70 | .75 | .71 | .68 | .66 |
| 3.0 | .78 | .70 | .63 | .76 | .68 | .62 | .72 | .66 | .61 | .69 | .64 | .59 | .66 | .61 | .57 | .55 |
| 4.0 | .69 | .60 | .53 | .67 | .59 | .53 | .64 | .57 | .52 | .61 | .55 | .50 | .59 | .54 | .49 | .47 |
| 5.0 | .62 | .53 | .46 | .60 | .52 | .45 | .58 | .50 | .44 | .55 | .49 | .44 | .53 | .47 | .43 | .40 |
| 6.0 | .55 | .46 | .40 | .54 | .46 | .40 | .52 | .44 | .39 | .50 | .43 | .38 | .48 | .42 | .37 | .35 |
| 7.0 | .50 | .41 | .35 | .49 | .41 | .35 | .47 | .40 | .34 | .45 | .39 | .34 | .44 | .38 | .33 | .31 |
| 8.0 | .46 | .37 | .31 | .45 | .37 | .31 | .43 | .36 | .31 | .42 | .35 | .30 | .40 | .34 | .30 | .28 |
| 9.0 | .42 | .34 | .28 | .41 | .33 | .28 | .40 | .33 | .28 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |
| 10.0 | .39 | .31 | .25 | .38 | .30 | .25 | .37 | .30 | .25 | .35 | .29 | .25 | .34 | .29 | .24 | .23 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .318 | .181 | .057 | .310 | .177 | .056 | .294 | .169 | .054 | .279 | .161 | .052 | .266 | .154 | .050 | |
| 2.0 | .295 | .162 | .050 | .288 | .159 | .049 | .274 | .152 | .047 | .261 | .146 | .046 | .249 | .141 | .044 | |
| 3.0 | .272 | .145 | .043 | .265 | .142 | .043 | .253 | .137 | .042 | .241 | .132 | .041 | .231 | .128 | .039 | |
| 4.0 | .250 | .130 | .038 | .244 | .128 | .038 | .233 | .124 | .037 | .223 | .120 | .036 | .213 | .116 | .035 | |
| 5.0 | .231 | .118 | .034 | .226 | .116 | .034 | .216 | .112 | .033 | .206 | .109 | .032 | .198 | .106 | .032 | |
| 6.0 | .214 | .107 | .031 | .209 | .106 | .030 | .200 | .103 | .030 | .192 | .100 | .029 | .184 | .097 | .029 | |
| 7.0 | .199 | .098 | .028 | .194 | .097 | .028 | .186 | .094 | .027 | .179 | .092 | .027 | .172 | .089 | .026 | |
| 8.0 | .185 | .091 | .025 | .182 | .089 | .025 | .174 | .087 | .025 | .167 | .085 | .024 | .161 | .083 | .024 | |
| 9.0 | .174 | .084 | .023 | .170 | .083 | .023 | .164 | .081 | .023 | .157 | .079 | .023 | .151 | .077 | .022 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .154 | .075 | .021 | .148 | .074 | .021 | .143 | .072 | .021 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | | |
| 0.0 | .223 | .223 | .223 | .191 | .191 | .191 | .130 | .130 | .130 | .075 | .075 | .075 | .024 | .024 | .024 | | |
| 1.0 | .214 | .189 | .167 | .183 | .162 | .144 | .125 | .112 | .099 | .072 | .065 | .058 | .023 | .021 | .019 | | |
| 2.0 | .206 | .165 | .131 | .177 | .142 | .113 | .121 | .098 | .079 | .070 | .057 | .046 | .022 | .019 | .015 | | |
| 3.0 | .198 | .148 | .108 | .170 | .128 | .093 | .117 | .089 | .065 | .067 | .052 | .039 | .022 | .017 | .013 | | |
| 4.0 | .191 | .135 | .092 | .164 | .116 | .080 | .113 | .081 | .056 | .065 | .048 | .033 | .021 | .015 | .011 | | |
| 5.0 | .183 | .124 | .081 | .157 | .108 | .070 | .108 | .075 | .050 | .063 | .044 | .029 | .020 | .014 | .010 | | |
| 6.0 | .176 | .116 | .073 | .151 | .101 | .064 | .104 | .070 | .045 | .061 | .041 | .027 | .020 | .014 | .009 | | |
| 7.0 | .169 | .109 | .067 | .146 | .095 | .059 | .101 | .066 | .042 | .058 | .039 | .025 | .019 | .013 | .008 | | |
| 8.0 | .163 | .104 | .063 | .140 | .090 | .055 | .097 | .063 | .039 | .056 | .037 | .023 | .018 | .012 | .008 | | |
| 9.0 | .157 | .099 | .059 | .135 | .086 | .052 | .094 | .060 | .037 | .055 | .036 | .022 | .018 | .012 | .007 | | |
| 10.0 | .151 | .094 | .057 | .130 | .082 | .049 | .090 | .058 | .035 | .053 | .034 | .021 | .017 | .011 | .007 | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------|----------------|------|------|------|------|
| 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 | 13.1 | 14.6 | 13.5 | 14.9 | 15.2 | 12.9 | 14.3 | 13.2 | 14.6 | 14.9 |
| 3H | 14.7 | 16.1 | 15.1 | 16.4 | 16.7 | 14.4 | 15.8 | 14.8 | 16.1 | 16.4 |
| 4H | 15.4 | 16.7 | 15.8 | 17.0 | 17.4 | 15.0 | 16.3 | 15.4 | 16.6 | 17.0 |
| 6H | 15.9 | 17.1 | 16.3 | 17.5 | 17.8 | 15.4 | 16.6 | 15.8 | 17.0 | 17.3 |
| 8H | 16.1 | 17.2 | 16.5 | 17.6 | 18.0 | 15.5 | 16.7 | 16.0 | 17.1 | 17.5 |
| 12H | 16.2 | 17.3 | 16.6 | 17.7 | 18.1 | 15.6 | 16.8 | 16.1 | 17.1 | 17.5 |
| 4H 2H | 13.7 | 15.0 | 14.1 | 15.3 | 15.7 | 13.5 | 14.8 | 13.9 | 15.1 | 15.5 |
| 3H | 15.5 | 16.6 | 15.9 | 17.0 | 17.4 | 15.2 | 16.3 | 15.6 | 16.7 | 17.1 |
| 4H | 16.3 | 17.3 | 16.7 | 17.7 | 18.1 | 15.9 | 17.0 | 16.4 | 17.4 | 17.8 |
| 6H | 16.9 | 17.8 | 17.4 | 18.2 | 18.7 | 16.5 | 17.4 | 16.9 | 17.8 | 18.3 |
| 8H | 17.1 | 18.0 | 17.6 | 18.4 | 18.9 | 16.6 | 17.5 | 17.1 | 17.9 | 18.4 |
| 12H | 17.4 | 18.1 | 17.8 | 18.6 | 19.1 | 16.8 | 17.6 | 17.3 | 18.0 | 18.5 |
| 8H 4H | 16.5 | 17.3 | 17.0 | 17.8 | 18.3 | 16.2 | 17.1 | 16.7 | 17.5 | 18.0 |
| 6H | 17.3 | 18.0 | 17.8 | 18.5 | 19.0 | 16.9 | 17.6 | 17.4 | 18.1 | 18.6 |
| 8H | 17.6 | 18.3 | 18.2 | 18.8 | 19.3 | 17.2 | 17.8 | 17.7 | 18.3 | 18.8 |
| 12H | 18.0 | 18.5 | 18.5 | 19.0 | 19.6 | 17.4 | 17.9 | 17.9 | 18.5 | 19.0 |
| 12H 4H | 16.5 | 17.3 | 17.0 | 17.7 | 18.2 | 16.2 | 17.0 | 16.7 | 17.5 | 18.0 |
| 6H | 17.3 | 18.0 | 17.9 | 18.5 | 19.0 | 17.0 | 17.6 | 17.5 | 18.1 | 18.6 |
| 8H | 17.7 | 18.3 | 18.3 | 18.8 | 19.4 | 17.3 | 17.8 | 17.8 | 18.3 | 18.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 1947 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.3$)
Area: 0.5 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:DAMIN
Test Date:2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

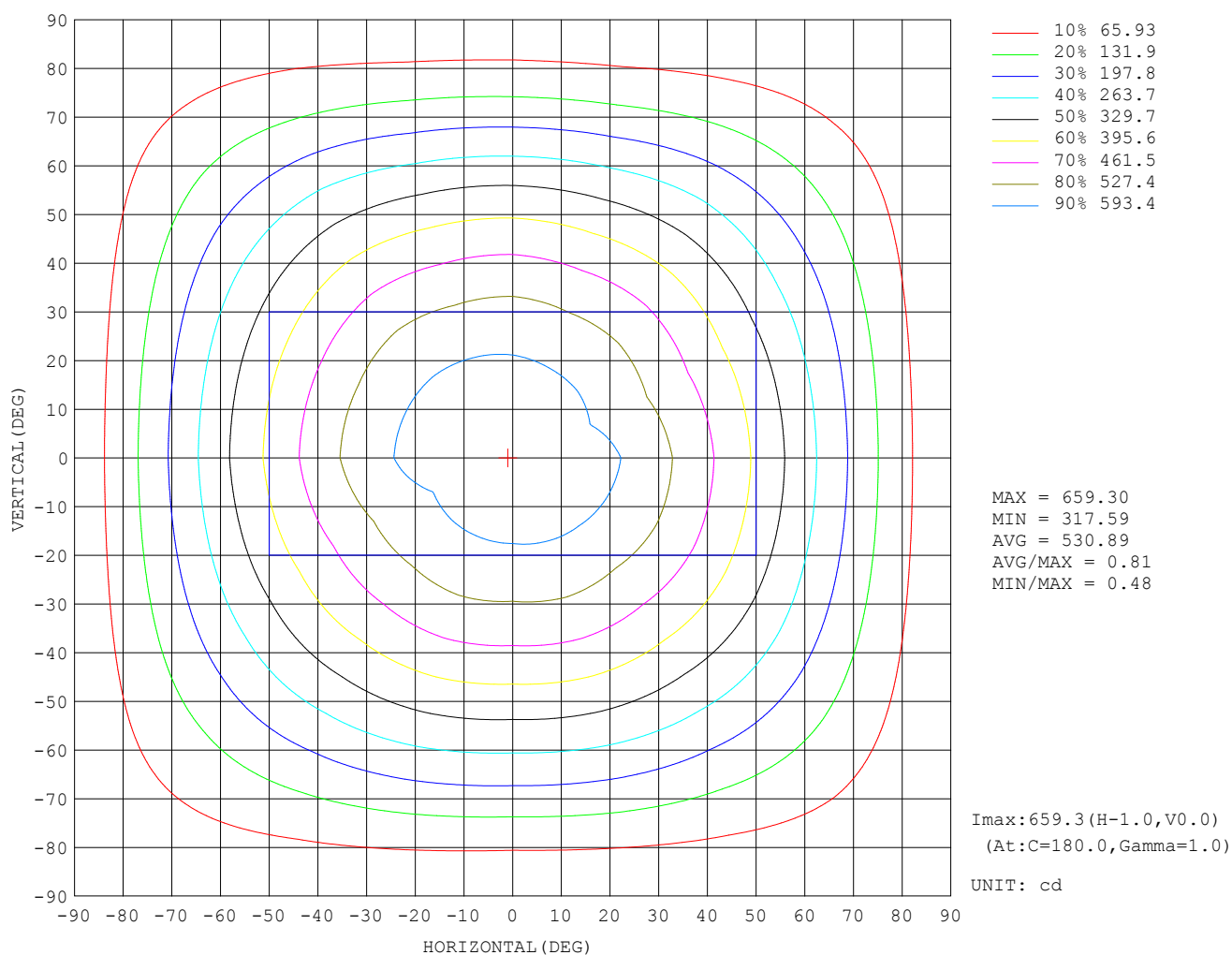
UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 56 | 44 | 37 | 55 | 44 | 37 | 54 | 43 | 37 | 30 |
| 0.80 | 66 | 54 | 46 | 64 | 53 | 46 | 62 | 52 | 46 | 38 |
| 1.00 | 74 | 63 | 55 | 73 | 62 | 55 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 70 | 63 | 79 | 69 | 62 | 76 | 68 | 61 | 53 |
| 1.50 | 86 | 76 | 69 | 84 | 75 | 68 | 81 | 73 | 67 | 58 |
| 2.00 | 93 | 84 | 77 | 91 | 83 | 76 | 87 | 80 | 75 | 66 |
| 2.50 | 97 | 89 | 83 | 95 | 87 | 81 | 90 | 84 | 79 | 70 |
| 3.00 | 100 | 93 | 87 | 98 | 91 | 86 | 93 | 88 | 83 | 74 |
| 4.00 | 104 | 98 | 94 | 102 | 96 | 92 | 97 | 92 | 89 | 78 |
| 5.00 | 107 | 102 | 98 | 104 | 100 | 96 | 99 | 95 | 92 | 81 |
| 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: 10.0deg/s
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

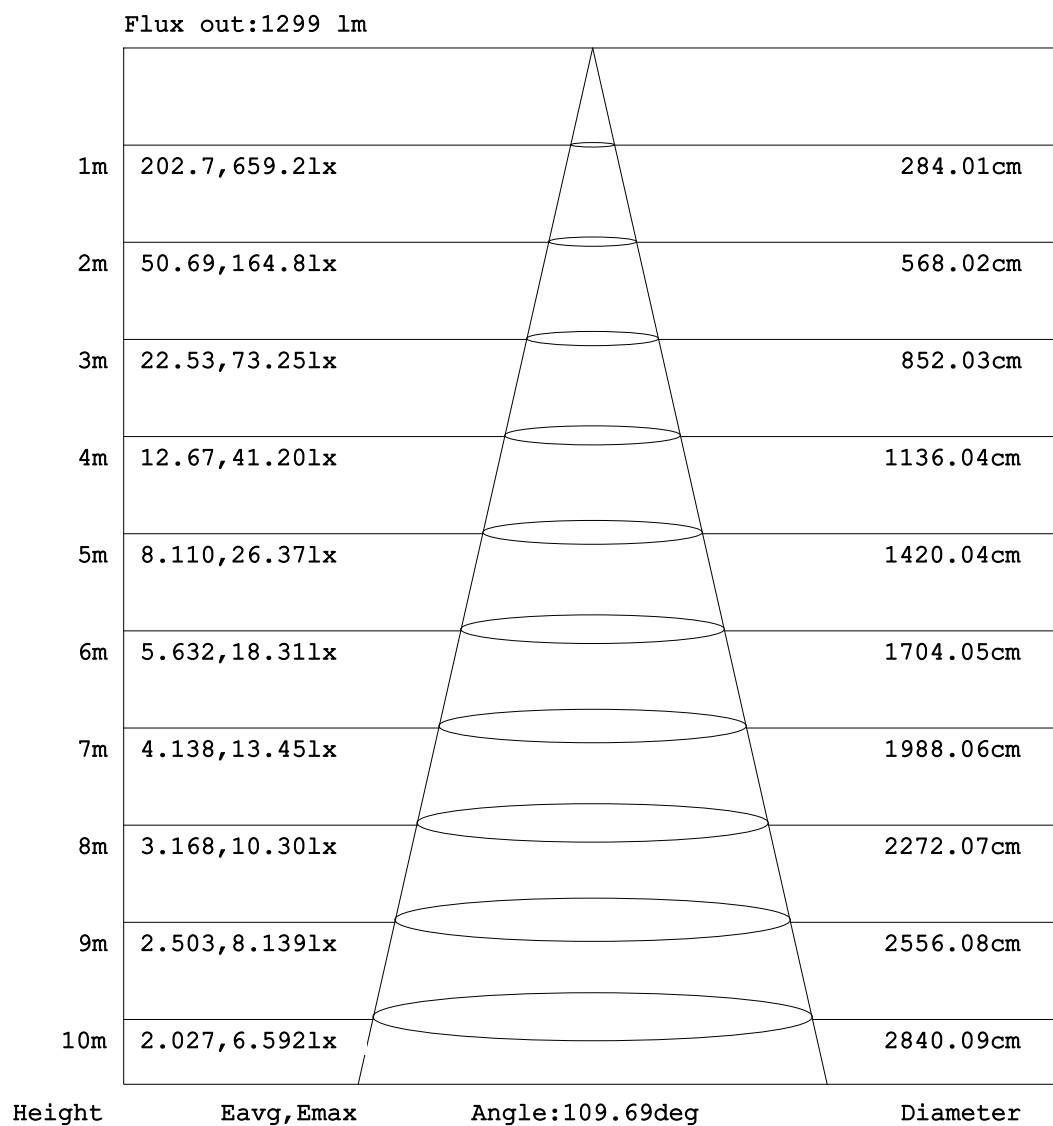
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

AAI Figure

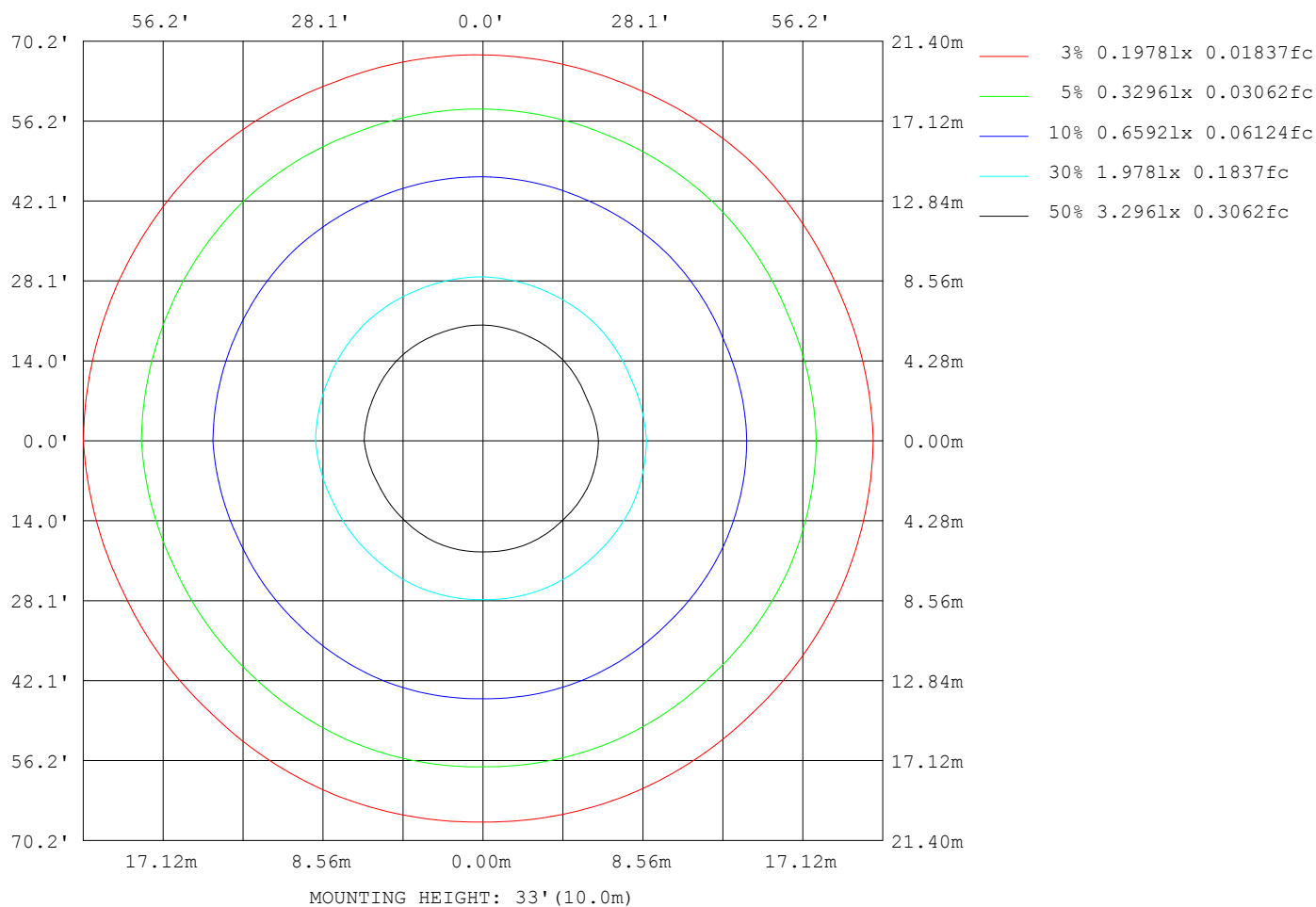


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

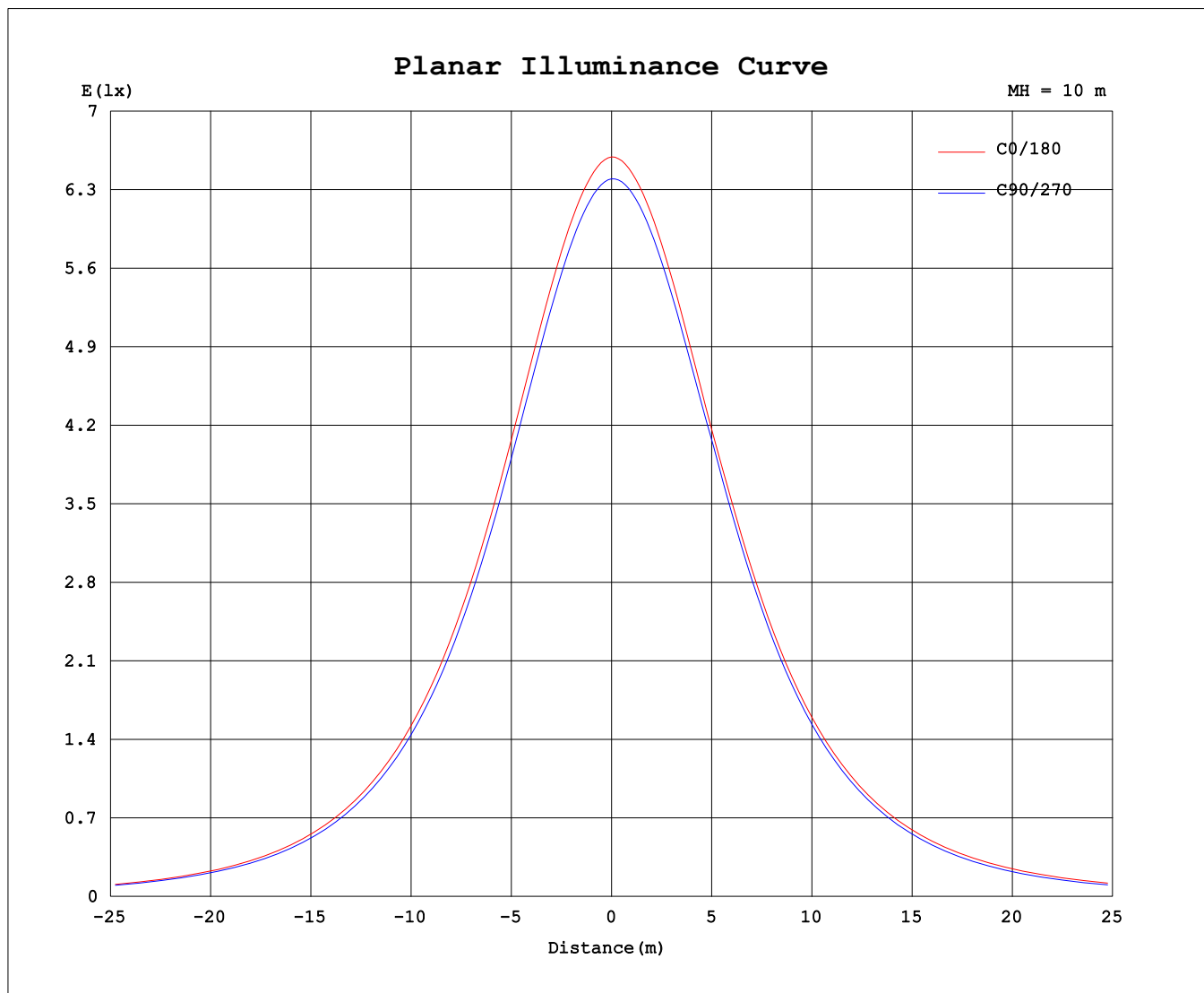
ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2023-09-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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 | 659 | 654 | 649 | 644 | 640 | 636 | 633 | 630 | 659 | 654 | 649 | 644 | 640 | 636 | 633 | 630 | | | |
| 5 | 654 | 647 | 642 | 637 | 634 | 631 | 629 | 627 | 656 | 651 | 646 | 642 | 638 | 634 | 631 | 627 | | | |
| 10 | 642 | 636 | 630 | 625 | 621 | 620 | 619 | 618 | 647 | 643 | 639 | 634 | 630 | 627 | 623 | 617 | | | |
| 15 | 626 | 619 | 613 | 608 | 604 | 604 | 604 | 603 | 634 | 630 | 626 | 621 | 617 | 613 | 610 | 602 | | | |
| 20 | 605 | 598 | 590 | 586 | 582 | 583 | 584 | 584 | 615 | 611 | 608 | 602 | 598 | 593 | 589 | 582 | | | |
| 25 | 578 | 573 | 563 | 563 | 555 | 560 | 558 | 563 | 590 | 587 | 584 | 579 | 575 | 568 | 567 | 557 | | | |
| 30 | 547 | 543 | 532 | 531 | 524 | 528 | 527 | 535 | 565 | 558 | 559 | 550 | 549 | 539 | 538 | 528 | | | |
| 35 | 512 | 508 | 496 | 495 | 489 | 494 | 493 | 502 | 531 | 525 | 526 | 516 | 514 | 506 | 504 | 494 | | | |
| 40 | 473 | 469 | 457 | 456 | 450 | 455 | 456 | 465 | 493 | 487 | 489 | 478 | 476 | 467 | 467 | 458 | | | |
| 45 | 431 | 427 | 415 | 414 | 408 | 414 | 415 | 426 | 452 | 447 | 447 | 436 | 434 | 425 | 425 | 417 | | | |
| 50 | 386 | 382 | 370 | 369 | 364 | 370 | 372 | 382 | 407 | 403 | 402 | 391 | 389 | 380 | 381 | 374 | | | |
| 55 | 338 | 334 | 323 | 322 | 318 | 324 | 326 | 337 | 360 | 356 | 355 | 343 | 339 | 333 | 334 | 329 | | | |
| 60 | 289 | 285 | 274 | 274 | 270 | 276 | 278 | 289 | 311 | 307 | 304 | 290 | 286 | 281 | 285 | 280 | | | |
| 65 | 239 | 233 | 225 | 224 | 221 | 226 | 229 | 240 | 259 | 255 | 251 | 235 | 230 | 226 | 232 | 231 | | | |
| 70 | 185 | 181 | 173 | 173 | 171 | 176 | 179 | 189 | 206 | 203 | 193 | 179 | 175 | 171 | 177 | 180 | | | |
| 75 | 133 | 130 | 123 | 122 | 118 | 124 | 129 | 138 | 152 | 149 | 138 | 128 | 124 | 119 | 124 | 128 | | | |
| 80 | 84.2 | 81.9 | 75.5 | 73.0 | 70.8 | 75.9 | 80.0 | 89.6 | 101 | 95.0 | 89.8 | 81.6 | 79.4 | 74.4 | 76.0 | 78.7 | | | |
| 85 | 45.7 | 42.9 | 39.0 | 36.9 | 36.7 | 38.2 | 42.4 | 47.5 | 56.4 | 52.9 | 48.9 | 45.1 | 42.5 | 40.5 | 39.2 | 42.0 | | | |
| 90 | 20.2 | 13.2 | 10.9 | 8.67 | 8.63 | 11.7 | 16.9 | 23.5 | 27.7 | 28.0 | 23.9 | 16.7 | 14.9 | 15.6 | 15.9 | 17.8 | | | |
| 95 | 19.8 | 19.4 | 16.9 | 14.3 | 12.1 | 13.7 | 15.5 | 17.6 | 19.2 | 19.2 | 16.9 | 14.4 | 11.7 | 13.1 | 14.9 | 17.4 | | | |
| 100 | 19.3 | 19.1 | 17.5 | 16.2 | 16.1 | 15.5 | 15.9 | 16.7 | 18.4 | 18.0 | 16.7 | 14.5 | 13.4 | 13.8 | 15.2 | 16.9 | | | |
| 105 | 18.9 | 18.8 | 17.4 | 15.8 | 15.5 | 15.3 | 15.8 | 16.6 | 18.0 | 17.8 | 16.2 | 14.7 | 14.2 | 13.9 | 14.7 | 16.4 | | | |
| 110 | 18.5 | 18.4 | 17.0 | 14.3 | 15.1 | 15.3 | 15.6 | 16.5 | 17.8 | 17.5 | 16.1 | 14.5 | 14.3 | 13.0 | 14.5 | 16.5 | | | |
| 115 | 18.1 | 18.0 | 16.6 | 13.8 | 14.8 | 13.0 | 15.3 | 16.2 | 17.5 | 17.2 | 16.0 | 13.3 | 13.9 | 11.8 | 14.7 | 16.1 | | | |
| 120 | 17.5 | 17.4 | 15.6 | 13.9 | 14.5 | 13.7 | 14.9 | 15.8 | 17.0 | 16.7 | 15.5 | 13.5 | 13.6 | 12.5 | 13.8 | 15.7 | | | |
| 125 | 16.8 | 16.7 | 13.1 | 13.8 | 14.0 | 13.5 | 13.0 | 15.3 | 16.4 | 16.1 | 13.3 | 13.1 | 12.5 | 12.0 | 11.1 | 14.3 | | | |
| 130 | 14.4 | 13.3 | 13.6 | 12.8 | 12.8 | 12.5 | 11.8 | 12.8 | 14.3 | 13.4 | 12.3 | 12.3 | 12.2 | 11.8 | 11.7 | 11.8 | | | |
| 135 | 11.6 | 12.3 | 12.3 | 12.4 | 12.1 | 12.0 | 12.4 | 11.2 | 12.2 | 11.4 | 12.5 | 11.8 | 11.6 | 11.2 | 11.3 | 11.1 | | | |
| 140 | 10.8 | 11.6 | 11.0 | 10.8 | 10.9 | 11.1 | 11.2 | 11.1 | 11.3 | 11.8 | 12.0 | 11.0 | 10.7 | 10.5 | 10.5 | 10.9 | | | |
| 145 | 9.96 | 10.4 | 9.67 | 9.62 | 9.78 | 9.78 | 9.63 | 9.92 | 10.1 | 10.2 | 10.0 | 9.46 | 9.53 | 9.41 | 9.41 | 9.95 | | | |
| 150 | 9.15 | 9.37 | 8.83 | 8.79 | 8.90 | 8.88 | 8.68 | 9.02 | 9.37 | 9.21 | 8.82 | 8.87 | 8.73 | 8.62 | 8.74 | 9.11 | | | |
| 155 | 8.52 | 8.63 | 8.33 | 8.31 | 8.31 | 8.13 | 7.97 | 8.37 | 8.65 | 8.40 | 8.22 | 8.16 | 8.15 | 7.96 | 8.07 | 8.30 | | | |
| 160 | 8.18 | 8.45 | 8.43 | 8.17 | 7.91 | 7.55 | 7.48 | 7.70 | 8.00 | 7.71 | 7.59 | 7.46 | 7.55 | 7.37 | 7.44 | 7.61 | | | |
| 165 | 7.89 | 7.95 | 7.75 | 7.67 | 7.44 | 7.33 | 7.34 | 7.48 | 7.91 | 7.59 | 7.41 | 7.19 | 7.17 | 7.14 | 7.25 | 7.38 | | | |
| 170 | 6.99 | 6.97 | 6.84 | 6.76 | 6.63 | 6.62 | 6.61 | 6.73 | 7.09 | 6.84 | 6.70 | 6.54 | 6.51 | 6.45 | 6.51 | 6.56 | | | |
| 175 | 6.02 | 5.96 | 5.84 | 5.79 | 5.79 | 5.79 | 5.82 | 5.91 | 6.21 | 6.00 | 5.88 | 5.76 | 5.71 | 5.69 | 5.69 | 5.75 | | | |
| 180 | 5.35 | 5.22 | 5.14 | 5.13 | 5.08 | 5.09 | 5.08 | 5.09 | 5.39 | 5.19 | 5.17 | 5.11 | 5.10 | 5.07 | 5.09 | 5.08 | | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:DAMIN
Test Date:2023-09-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks: