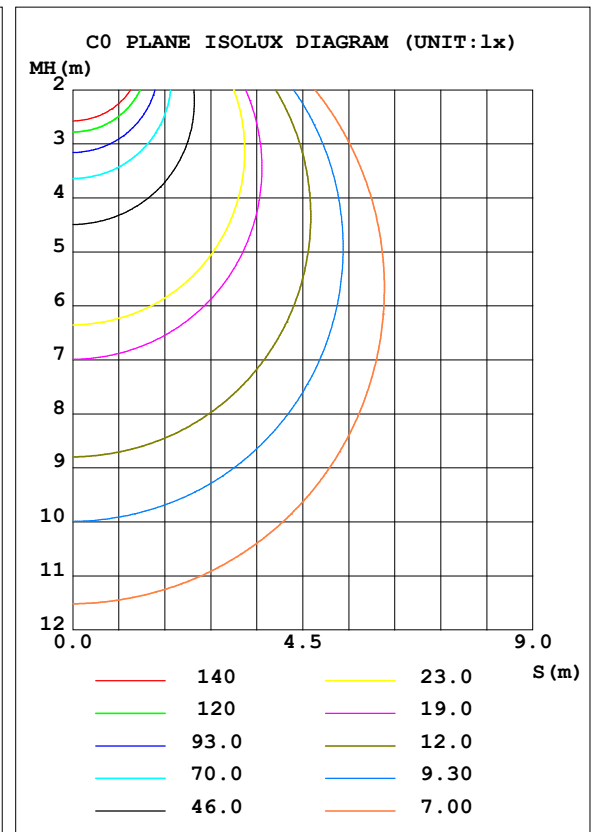
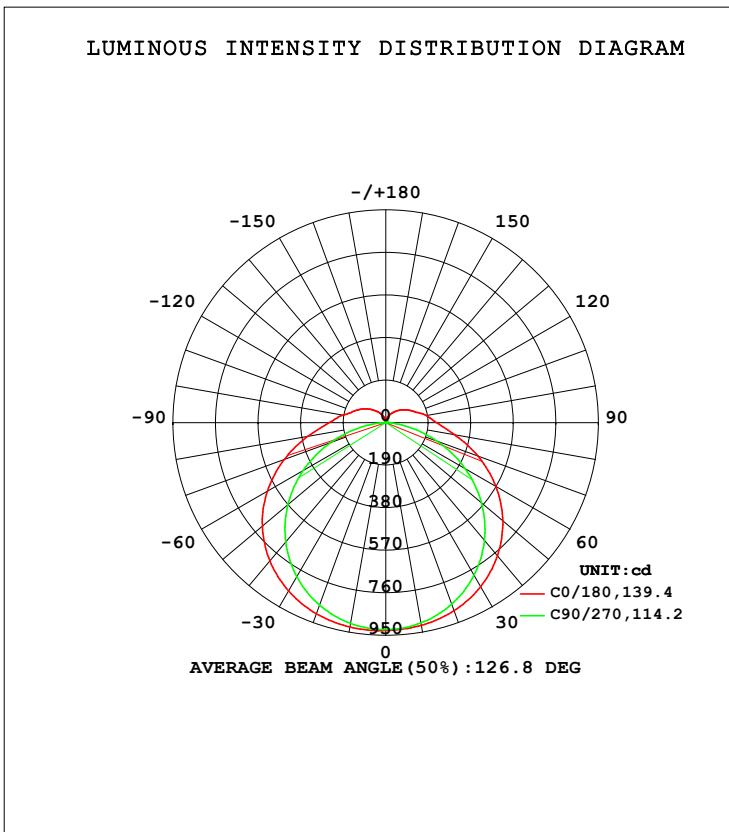


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 98.06 lm/W | | | |
|-------------------|------------------|-----------------------------------|---------|--|-----------|
| MODEL | WBB-38W-CC 3000K | Imax (cd) | 929.5 | S/MH (C0/180) | 1.36 |
| NOMINAL POWER (W) | 38 | LOR (%) | 100.0 | S/MH (C90/270) | 1.28 |
| RATED VOLTAGE (V) | 240 | TOTAL FLUX (lm) | 3655.4 | <input type="checkbox"/> UP, DN (C0-180) | 5.7, 43.6 |
| NOMINAL FLUX (lm) | 3655.38 | CIE CLASS | SEMI-D. | <input type="checkbox"/> UP, DN (C180-360) | 5.9, 44.9 |
| LAMPS INSIDE | 1 | <input type="checkbox"/> up (%) | 11.5 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 240 | <input type="checkbox"/> down (%) | 88.5 | CIBSE SHR MAX | 1.55 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.880m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

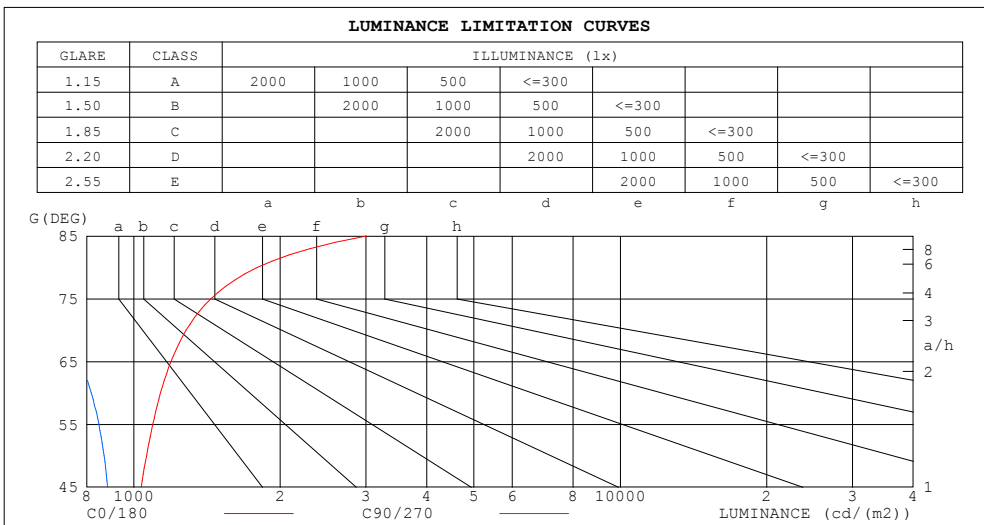
| mm | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | mm | □ zone | □ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10 | 918.8 | 912.9 | 908.0 | 914.7 | 926.9 | 919.3 | 910.3 | 910.4 | 0- 10 | 87.85 | 87.85 | 2.4,2.4 |
| 20 | 893.4 | 878.3 | 862.3 | 884.3 | 907.8 | 889.9 | 866.8 | 877.1 | 10- 20 | 254.8 | 342.7 | 9.37,9.37 |
| 30 | 846.4 | 820.0 | 787.7 | 829.9 | 868.1 | 836.6 | 794.8 | 819.9 | 20- 30 | 395.4 | 738.1 | 20.2,20.2 |
| 40 | 776.0 | 737.1 | 685.7 | 751.7 | 805.5 | 759.3 | 695.3 | 738.4 | 30- 40 | 493.0 | 1231 | 33.7,33.7 |
| 50 | 682.7 | 631.7 | 558.3 | 651.3 | 719.8 | 659.8 | 571.1 | 634.6 | 40- 50 | 535.5 | 1767 | 48.3,48.3 |
| 60 | 567.5 | 506.4 | 408.9 | 530.7 | 610.1 | 539.9 | 425.5 | 510.7 | 50- 60 | 516.6 | 2283 | 62.5,62.5 |
| 70 | 438.0 | 368.2 | 244.6 | 394.5 | 482.8 | 403.1 | 263.2 | 373.1 | 60- 70 | 438.3 | 2722 | 74.5,74.5 |
| 80 | 311.7 | 234.8 | 86.85 | 258.7 | 353.3 | 266.8 | 102.6 | 239.5 | 70- 80 | 316.9 | 3038 | 83.1,83.1 |
| 90 | 227.6 | 150.5 | 2.697 | 163.3 | 252.9 | 168.6 | 4.467 | 151.6 | 80- 90 | 195.4 | 3234 | 88.5,88.5 |
| 100 | 185.6 | 114.4 | 3.426 | 109.6 | 194.8 | 112.6 | 3.426 | 115.0 | 90-100 | 133.6 | 3368 | 92.1,92.1 |
| 110 | 141.4 | 77.24 | 4.419 | 85.67 | 151.7 | 87.41 | 4.196 | 75.26 | 100-110 | 96.23 | 3464 | 94.8,94.8 |
| 120 | 114.6 | 63.64 | 5.356 | 71.04 | 123.5 | 71.56 | 5.133 | 62.47 | 110-120 | 70.42 | 3534 | 96.7,96.7 |
| 130 | 90.18 | 49.27 | 6.339 | 55.77 | 94.19 | 56.11 | 6.035 | 47.81 | 120-130 | 51.97 | 3586 | 98.1,98.1 |
| 140 | 65.85 | 33.53 | 7.240 | 41.96 | 68.30 | 42.17 | 6.909 | 33.74 | 130-140 | 34.17 | 3620 | 99,99 |
| 150 | 45.02 | 22.87 | 8.115 | 28.71 | 46.14 | 28.12 | 7.912 | 23.94 | 140-150 | 20.14 | 3640 | 99.6,99.6 |
| 160 | 27.91 | 14.55 | 8.833 | 16.75 | 25.95 | 16.77 | 8.820 | 16.51 | 150-160 | 10.04 | 3650 | 99.9,99.9 |
| 170 | 13.85 | 10.51 | 9.445 | 9.907 | 11.63 | 10.03 | 9.474 | 11.20 | 160-170 | 3.941 | 3654 | 100,100 |
| 180 | 9.815 | 9.822 | 9.694 | 9.694 | 9.857 | 9.751 | 9.744 | 9.694 | 170-180 | 0.9672 | 3655 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 3008 | 309 |
| 80 | 1795 | 500 |
| 75 | 1440 | 631 |
| 70 | 1281 | 715 |
| 65 | 1192 | 776 |
| 60 | 1135 | 818 |
| 55 | 1094 | 848 |
| 50 | 1062 | 869 |
| 45 | 1035 | 884 |

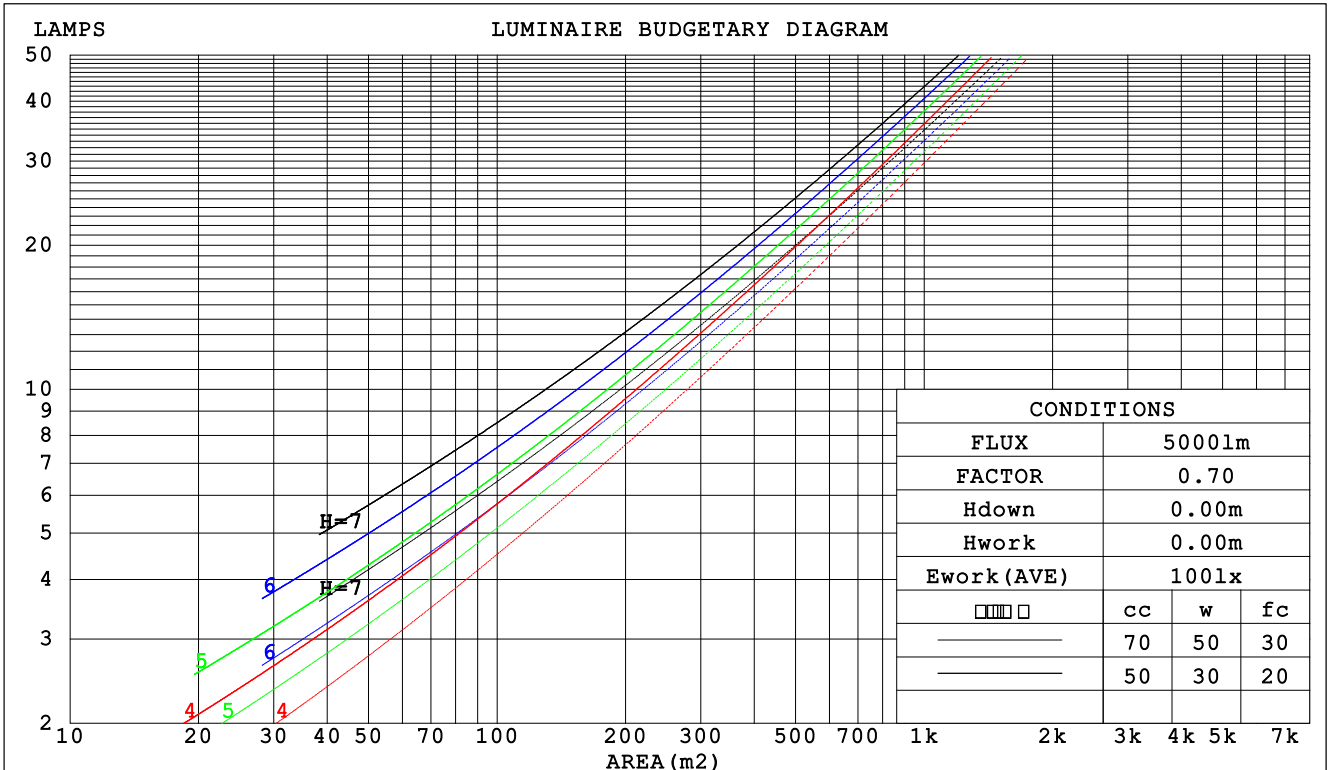
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

| | | | | | | | | | | | | | | | | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|
| □cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| □w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| □fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.16 | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.05 | 1.05 | 1.05 | .98 | .98 | .98 | .91 | .91 | .91 | .88 |
| 1.0 | .99 | .94 | .89 | .95 | .91 | .87 | .89 | .85 | .82 | .83 | .80 | .77 | .77 | .75 | .73 | .70 |
| 2.0 | .85 | .77 | .71 | .82 | .75 | .69 | .76 | .71 | .66 | .71 | .67 | .63 | .67 | .63 | .59 | .57 |
| 3.0 | .74 | .65 | .58 | .71 | .63 | .57 | .67 | .60 | .54 | .62 | .57 | .52 | .58 | .54 | .49 | .47 |
| 4.0 | .65 | .56 | .48 | .63 | .54 | .48 | .59 | .51 | .46 | .55 | .49 | .44 | .52 | .46 | .42 | .39 |
| 5.0 | .58 | .48 | .41 | .56 | .47 | .41 | .52 | .45 | .39 | .49 | .43 | .38 | .46 | .41 | .36 | .34 |
| 6.0 | .52 | .42 | .36 | .50 | .41 | .35 | .47 | .40 | .34 | .44 | .38 | .33 | .42 | .36 | .31 | .29 |
| 7.0 | .47 | .38 | .31 | .45 | .37 | .31 | .43 | .35 | .30 | .40 | .34 | .29 | .38 | .32 | .28 | .26 |
| 8.0 | .42 | .34 | .28 | .41 | .33 | .27 | .39 | .32 | .26 | .37 | .30 | .26 | .35 | .29 | .25 | .23 |
| 9.0 | .39 | .30 | .25 | .38 | .30 | .24 | .36 | .29 | .24 | .34 | .27 | .23 | .32 | .26 | .22 | .20 |
| 10.0 | .36 | .28 | .22 | .35 | .27 | .22 | .33 | .26 | .21 | .31 | .25 | .21 | .30 | .24 | .20 | .18 |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-11-16

□ Range: 0 - 180DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.880m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

| | | | | | | |
|-----------------------------|-----------------------|----------------|----------------------------------|----------------|----------------|---|
| <input type="checkbox"/> cc | 80% | 70% | 50% | 30% | 10% | 0 |
| <input type="checkbox"/> w | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| <input type="checkbox"/> fc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio | | Wall Exitance Coefficients (WEC) | | | |
| 0.0 | | | | | | |
| 1.0 | .359 .204 .065 | .348 .198 .063 | .328 .188 .060 | .310 .179 .057 | .293 .170 .055 | |
| 2.0 | .320 .175 .054 | .310 .171 .053 | .292 .162 .050 | .275 .155 .048 | .260 .147 .046 | |
| 3.0 | .288 .153 .046 | .279 .150 .045 | .263 .143 .043 | .248 .136 .042 | .234 .130 .040 | |
| 4.0 | .262 .136 .040 | .254 .133 .039 | .239 .127 .038 | .226 .121 .037 | .213 .116 .035 | |
| 5.0 | .239 .122 .035 | .232 .119 .035 | .219 .114 .034 | .207 .109 .032 | .195 .104 .031 | |
| 6.0 | .220 .110 .032 | .214 .108 .031 | .202 .103 .030 | .191 .099 .029 | .180 .095 .028 | |
| 7.0 | .204 .101 .029 | .198 .099 .028 | .187 .094 .027 | .177 .091 .026 | .167 .087 .026 | |
| 8.0 | .189 .092 .026 | .184 .091 .026 | .174 .087 .025 | .165 .083 .024 | .156 .080 .023 | |
| 9.0 | .177 .085 .024 | .172 .084 .024 | .163 .080 .023 | .154 .077 .022 | .146 .074 .021 | |
| 10.0 | .166 .079 .022 | .161 .078 .022 | .153 .075 .021 | .145 .072 .020 | .137 .069 .020 | |

| | | | | | | |
|-----------------------------|-----------------------|----------------|---|----------------|----------------|---|
| <input type="checkbox"/> cc | 80% | 70% | 50% | 30% | 10% | 0 |
| <input type="checkbox"/> w | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 50% 30% 10% | 0 |
| <input type="checkbox"/> fc | 20% | 20% | 20% | 20% | 20% | 0 |
| RCR | RCR:Room Cavity Ratio | | Ceiling Cavity Exitance Coefficients (CCEC) | | | |
| 0.0 | .278 .278 .278 | .238 .238 .238 | .162 .162 .162 | .093 .093 .093 | .030 .030 .030 | |
| 1.0 | .272 .244 .219 | .233 .210 .189 | .159 .144 .130 | .092 .083 .076 | .029 .027 .025 | |
| 2.0 | .265 .221 .184 | .227 .190 .159 | .156 .132 .111 | .090 .077 .065 | .029 .025 .021 | |
| 3.0 | .258 .204 .161 | .221 .176 .140 | .152 .122 .098 | .088 .071 .058 | .028 .023 .019 | |
| 4.0 | .250 .191 .147 | .214 .165 .127 | .148 .115 .090 | .085 .067 .053 | .027 .022 .017 | |
| 5.0 | .242 .181 .136 | .208 .157 .119 | .143 .110 .084 | .083 .064 .050 | .027 .021 .016 | |
| 6.0 | .235 .173 .129 | .202 .150 .112 | .139 .105 .079 | .081 .062 .047 | .026 .020 .016 | |
| 7.0 | .228 .167 .123 | .196 .144 .108 | .136 .101 .076 | .079 .060 .045 | .025 .020 .015 | |
| 8.0 | .221 .161 .119 | .191 .140 .104 | .132 .098 .074 | .077 .058 .044 | .025 .019 .015 | |
| 9.0 | .215 .156 .116 | .185 .135 .101 | .128 .095 .072 | .075 .056 .043 | .024 .018 .014 | |
| 10.0 | .209 .152 .114 | .181 .132 .099 | .125 .093 .070 | .073 .055 .042 | .024 .018 .014 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|----------|----------------|------|------------------|------|------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | | | | | | | | | |
| NAME: WBB-38W-CC 3000K | | | | | TYPE:38W | | | WEIGHT: | | |
| SPEC.:3000K | | | | | DIM.: | | | SERIAL No.:1 | | |
| MFR.: | | | | | 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 | 12.6 | 14.1 | 13.0 | 14.5 | 14.9 | 11.5 | 12.9 | 11.9 | 13.3 | 13.8 |
| 3H | 14.8 | 16.1 | 15.2 | 16.5 | 17.0 | 13.0 | 14.3 | 13.4 | 14.7 | 15.2 |
| 4H | 15.9 | 17.2 | 16.4 | 17.6 | 18.1 | 13.5 | 14.8 | 14.0 | 15.2 | 15.7 |
| 6H | 17.1 | 18.2 | 17.6 | 18.7 | 19.2 | 13.8 | 15.0 | 14.3 | 15.5 | 16.0 |
| 8H | 17.7 | 18.8 | 18.2 | 19.3 | 19.9 | 13.9 | 15.1 | 14.4 | 15.5 | 16.1 |
| 12H | 18.4 | 19.5 | 19.0 | 20.0 | 20.6 | 13.9 | 15.0 | 14.5 | 15.5 | 16.1 |
| 4H 2H | 13.2 | 14.5 | 13.7 | 14.9 | 15.4 | 12.4 | 13.6 | 12.8 | 14.1 | 14.6 |
| 3H | 15.6 | 16.7 | 16.1 | 17.2 | 17.7 | 14.1 | 15.2 | 14.6 | 15.7 | 16.2 |
| 4H | 16.8 | 17.8 | 17.4 | 18.4 | 18.9 | 14.8 | 15.8 | 15.3 | 16.3 | 16.9 |
| 6H | 18.2 | 19.1 | 18.8 | 19.6 | 20.2 | 15.3 | 16.2 | 15.9 | 16.7 | 17.4 |
| 8H | 18.9 | 19.8 | 19.5 | 20.3 | 21.0 | 15.4 | 16.3 | 16.0 | 16.9 | 17.5 |
| 12H | 19.8 | 20.6 | 20.4 | 21.2 | 21.8 | 15.5 | 16.3 | 16.1 | 16.9 | 17.5 |
| 8H 4H | 17.1 | 18.0 | 17.7 | 18.5 | 19.2 | 15.4 | 16.3 | 16.0 | 16.8 | 17.5 |
| 6H | 18.7 | 19.4 | 19.3 | 20.0 | 20.7 | 16.2 | 16.9 | 16.8 | 17.5 | 18.2 |
| 8H | 19.7 | 20.3 | 20.3 | 20.9 | 21.6 | 16.5 | 17.2 | 17.2 | 17.8 | 18.5 |
| 12H | 20.8 | 21.3 | 21.4 | 21.9 | 22.7 | 16.8 | 17.3 | 17.4 | 18.0 | 18.7 |
| 12H 4H | 17.1 | 17.9 | 17.7 | 18.5 | 19.2 | 15.6 | 16.4 | 16.2 | 16.9 | 17.6 |
| 6H | 18.8 | 19.5 | 19.5 | 20.1 | 20.8 | 16.5 | 17.2 | 17.2 | 17.8 | 18.5 |
| 8H | 19.8 | 20.4 | 20.5 | 21.0 | 21.7 | 17.0 | 17.5 | 17.6 | 18.2 | 18.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.5 | | | | |

CIE Pub.117, 3655 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.5)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

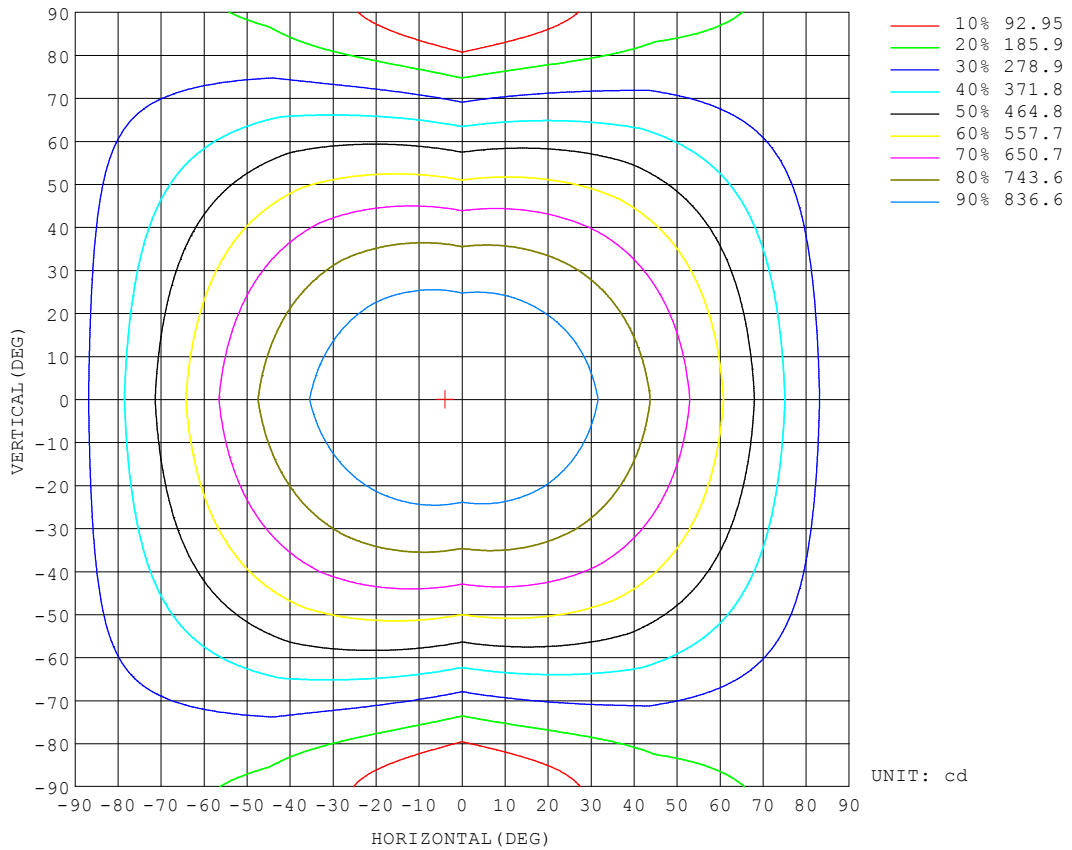
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 51 | 39 | 31 | 50 | 38 | 31 | 48 | 37 | 31 | 24 |
| 0.80 | 60 | 48 | 40 | 59 | 47 | 40 | 57 | 46 | 39 | 31 |
| 1.00 | 68 | 56 | 48 | 67 | 55 | 48 | 64 | 56 | 47 | 38 |
| 1.25 | 75 | 63 | 55 | 73 | 62 | 55 | 70 | 60 | 53 | 45 |
| 1.50 | 81 | 69 | 61 | 78 | 68 | 60 | 74 | 65 | 58 | 49 |
| 2.00 | 88 | 78 | 70 | 85 | 76 | 69 | 80 | 72 | 66 | 56 |
| 2.50 | 92 | 83 | 75 | 89 | 81 | 74 | 84 | 77 | 71 | 60 |
| 3.00 | 96 | 87 | 80 | 93 | 85 | 79 | 87 | 81 | 75 | 64 |
| 4.00 | 100 | 93 | 87 | 97 | 90 | 85 | 91 | 85 | 81 | 69 |
| 5.00 | 103 | 97 | 92 | 100 | 94 | 89 | 93 | 89 | 85 | 72 |
| 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:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

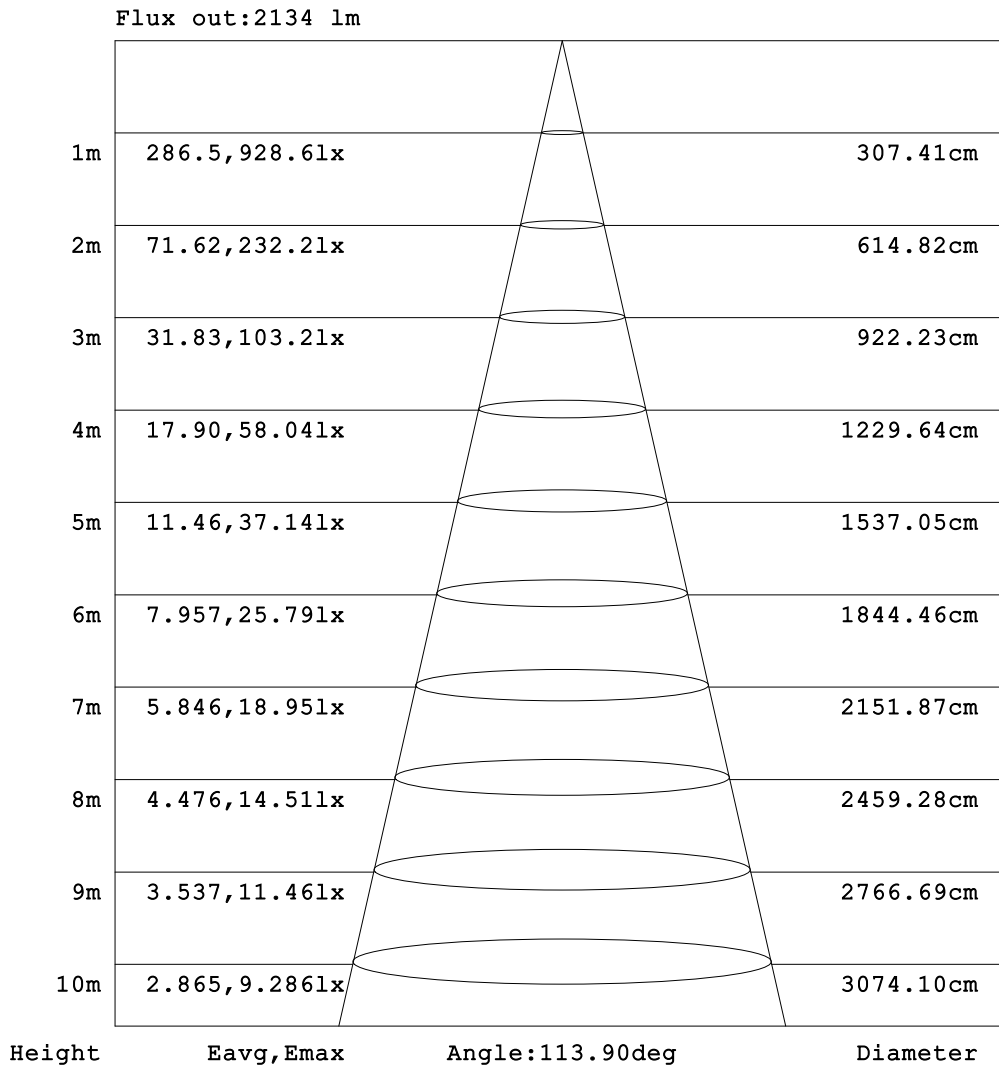


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |



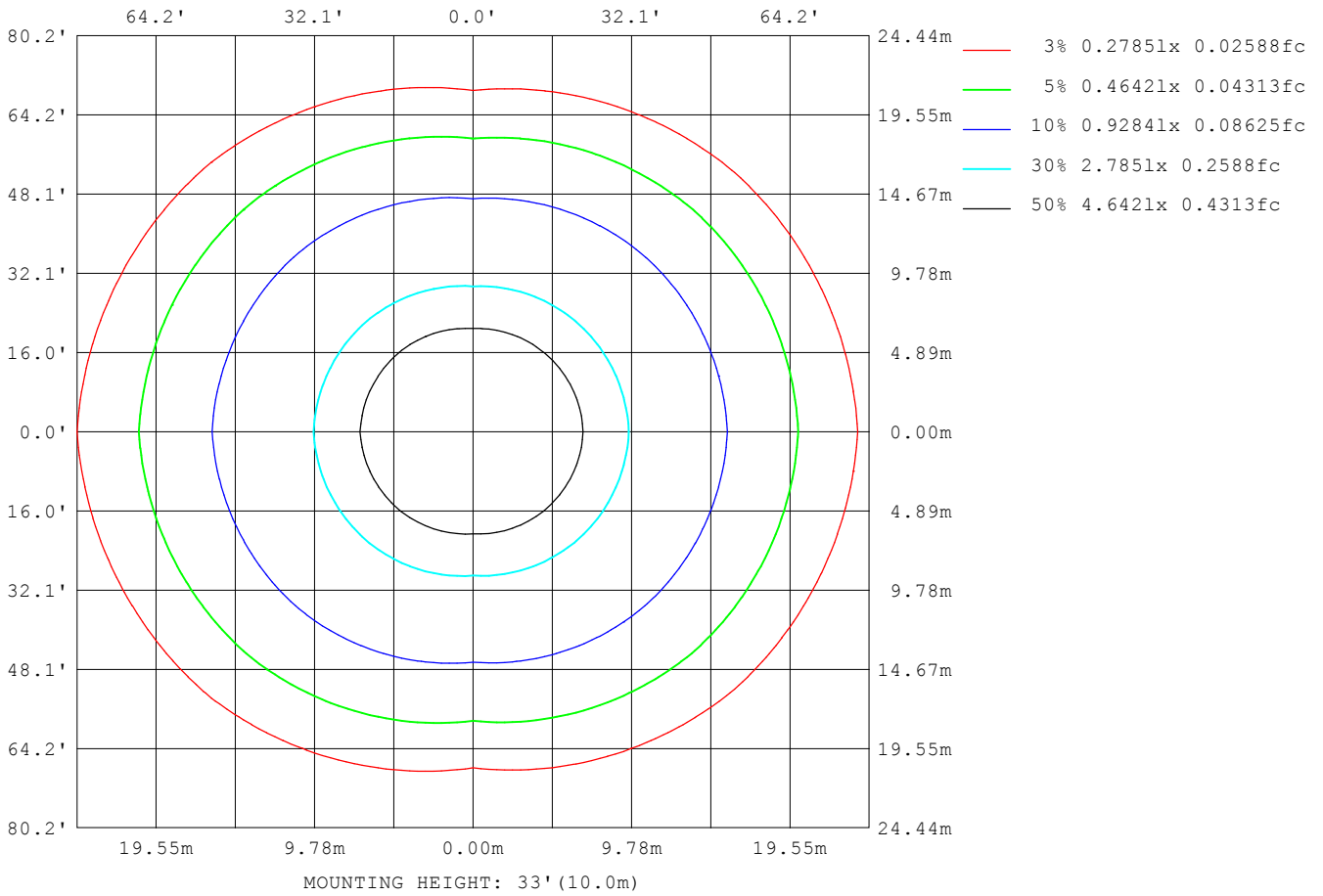
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
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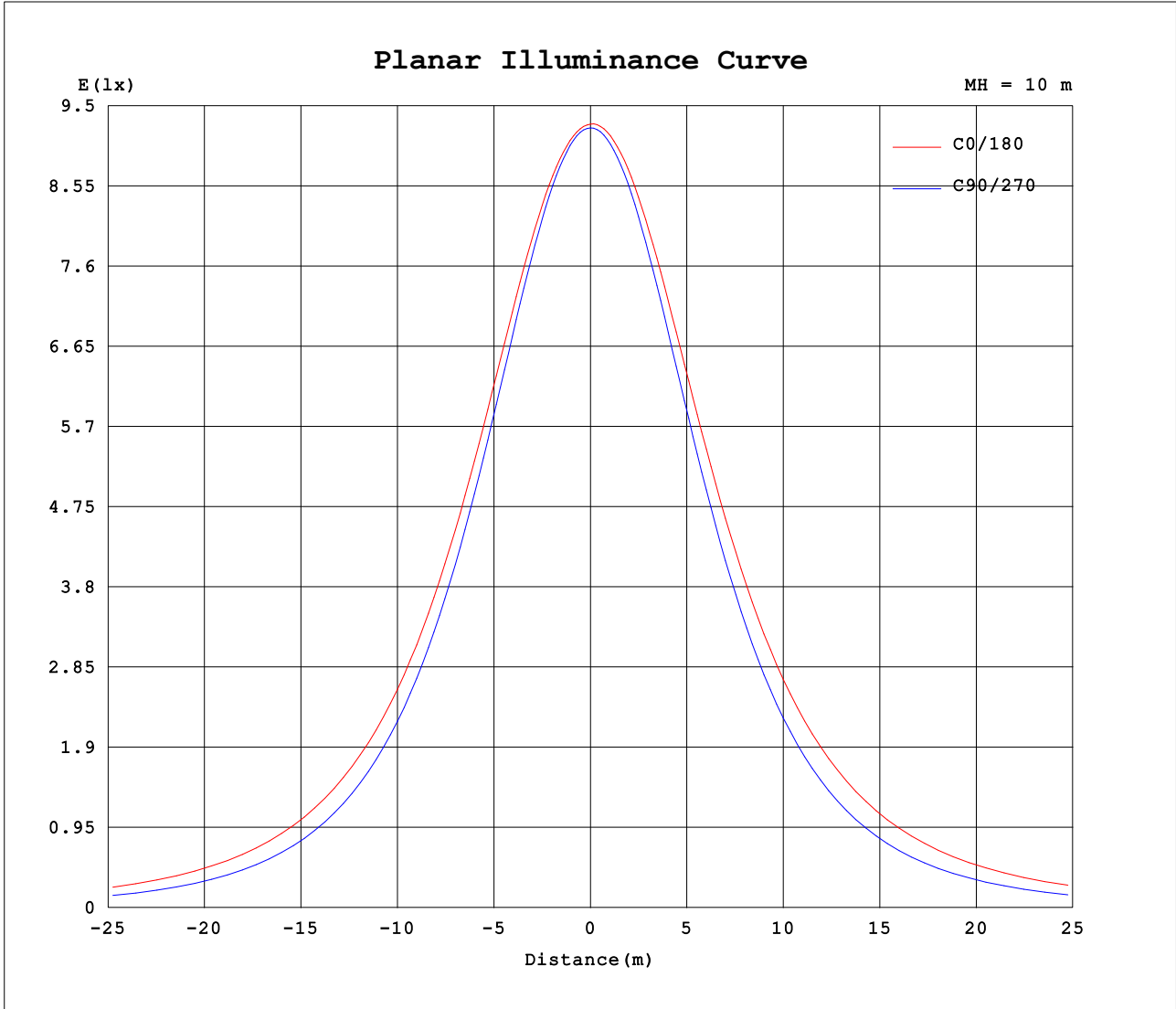
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 1244 |
| L_0~180 (75) av | 1527 |
| L_0~180 (85) av | 3206 |
| L_90~270 (65) av | 797 |
| L_90~270 (75) av | 665 |
| L_90~270 (85) av | 374 |
| L_45 (65) av | 1075 |
| L_45 (75) av | 1218 |
| L_45 (85) av | 2242 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-11-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity: 65.0%
 Test Distance: 9.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|----------|------------------|
| Test:U:240.15V I:0.1621A P:37.276W PF:0.9577 Freq:50.00Hz Lamp Flux:3655.38x1 lm | | |
| NAME: WBB-38W-CC 3000K | TYPE:38W | WEIGHT: |
| SPEC.:3000K | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) □ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 928 | 926 | 924 | 923 | 928 | 926 | 924 | 923 | | | | | | | | | | | |
| 5 | 925 | 922 | 920 | 921 | 930 | 926 | 921 | 919 | | | | | | | | | | | |
| 10 | 919 | 913 | 908 | 915 | 927 | 919 | 910 | 910 | | | | | | | | | | | |
| 15 | 909 | 899 | 889 | 902 | 920 | 907 | 892 | 897 | | | | | | | | | | | |
| 20 | 893 | 878 | 862 | 884 | 908 | 890 | 867 | 877 | | | | | | | | | | | |
| 25 | 873 | 852 | 829 | 860 | 891 | 866 | 834 | 851 | | | | | | | | | | | |
| 30 | 846 | 820 | 788 | 830 | 868 | 837 | 795 | 820 | | | | | | | | | | | |
| 35 | 814 | 782 | 740 | 794 | 839 | 801 | 748 | 782 | | | | | | | | | | | |
| 40 | 776 | 737 | 686 | 752 | 805 | 759 | 695 | 738 | | | | | | | | | | | |
| 45 | 732 | 687 | 625 | 704 | 765 | 712 | 636 | 689 | | | | | | | | | | | |
| 50 | 683 | 632 | 558 | 651 | 720 | 660 | 571 | 635 | | | | | | | | | | | |
| 55 | 628 | 571 | 486 | 593 | 668 | 602 | 501 | 575 | | | | | | | | | | | |
| 60 | 567 | 506 | 409 | 531 | 610 | 540 | 426 | 511 | | | | | | | | | | | |
| 65 | 504 | 438 | 328 | 464 | 548 | 473 | 346 | 443 | | | | | | | | | | | |
| 70 | 438 | 368 | 245 | 394 | 483 | 403 | 263 | 373 | | | | | | | | | | | |
| 75 | 373 | 299 | 163 | 325 | 418 | 333 | 181 | 304 | | | | | | | | | | | |
| 80 | 312 | 235 | 86.8 | 259 | 353 | 267 | 103 | 239 | | | | | | | | | | | |
| 85 | 262 | 183 | 26.9 | 202 | 297 | 209 | 38.2 | 187 | | | | | | | | | | | |
| 90 | 228 | 151 | 2.70 | 163 | 253 | 169 | 4.47 | 152 | | | | | | | | | | | |
| 95 | 204 | 132 | 3.10 | 141 | 223 | 145 | 2.91 | 132 | | | | | | | | | | | |
| 100 | 186 | 114 | 3.43 | 110 | 195 | 113 | 3.43 | 115 | | | | | | | | | | | |
| 105 | 163 | 92.9 | 3.97 | 101 | 168 | 102 | 3.75 | 88.3 | | | | | | | | | | | |
| 110 | 141 | 77.2 | 4.42 | 85.7 | 152 | 87.4 | 4.20 | 75.3 | | | | | | | | | | | |
| 115 | 128 | 69.6 | 4.90 | 76.2 | 137 | 76.5 | 4.76 | 68.2 | | | | | | | | | | | |
| 120 | 115 | 63.6 | 5.36 | 71.0 | 123 | 71.6 | 5.13 | 62.5 | | | | | | | | | | | |
| 125 | 102 | 57.7 | 5.86 | 63.3 | 108 | 63.9 | 5.59 | 55.9 | | | | | | | | | | | |
| 130 | 90.2 | 49.3 | 6.34 | 55.8 | 94.2 | 56.1 | 6.04 | 47.8 | | | | | | | | | | | |
| 135 | 77.4 | 40.3 | 6.82 | 49.3 | 81.0 | 49.6 | 6.48 | 39.4 | | | | | | | | | | | |
| 140 | 65.8 | 33.5 | 7.24 | 42.0 | 68.3 | 42.2 | 6.91 | 33.7 | | | | | | | | | | | |
| 145 | 55.0 | 26.9 | 7.67 | 35.0 | 57.8 | 35.2 | 7.48 | 28.7 | | | | | | | | | | | |
| 150 | 45.0 | 22.9 | 8.12 | 28.7 | 46.1 | 28.1 | 7.91 | 23.9 | | | | | | | | | | | |
| 155 | 36.1 | 17.9 | 8.48 | 22.3 | 35.5 | 22.0 | 8.40 | 19.4 | | | | | | | | | | | |
| 160 | 27.9 | 14.5 | 8.83 | 16.7 | 26.0 | 16.8 | 8.82 | 16.5 | | | | | | | | | | | |
| 165 | 20.3 | 12.4 | 9.17 | 12.3 | 17.8 | 12.3 | 9.20 | 13.7 | | | | | | | | | | | |
| 170 | 13.9 | 10.5 | 9.44 | 9.91 | 11.6 | 10.0 | 9.47 | 11.2 | | | | | | | | | | | |
| 175 | 10.5 | 10.1 | 9.64 | 9.71 | 9.73 | 9.78 | 9.67 | 9.98 | | | | | | | | | | | |
| 180 | 9.81 | 9.82 | 9.69 | 9.69 | 9.86 | 9.75 | 9.74 | 9.69 | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-11-16

□ Range: 0 - 180DEG
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