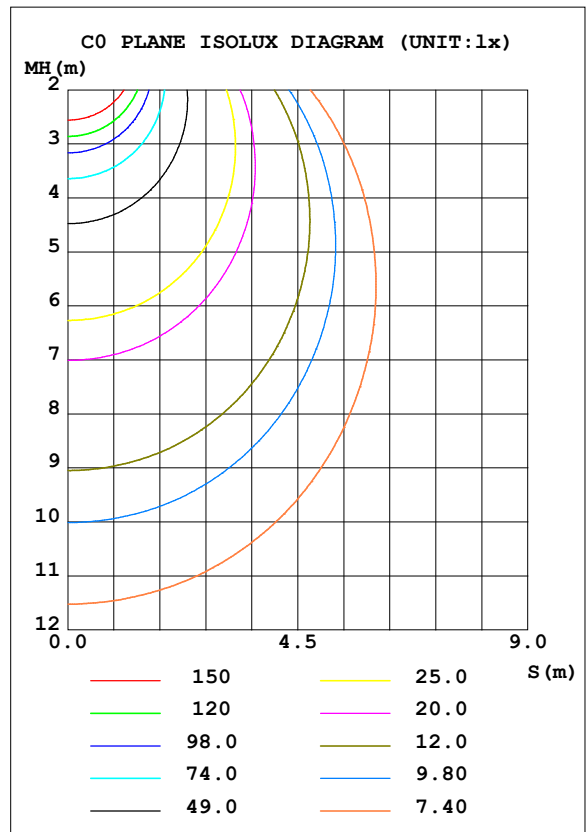
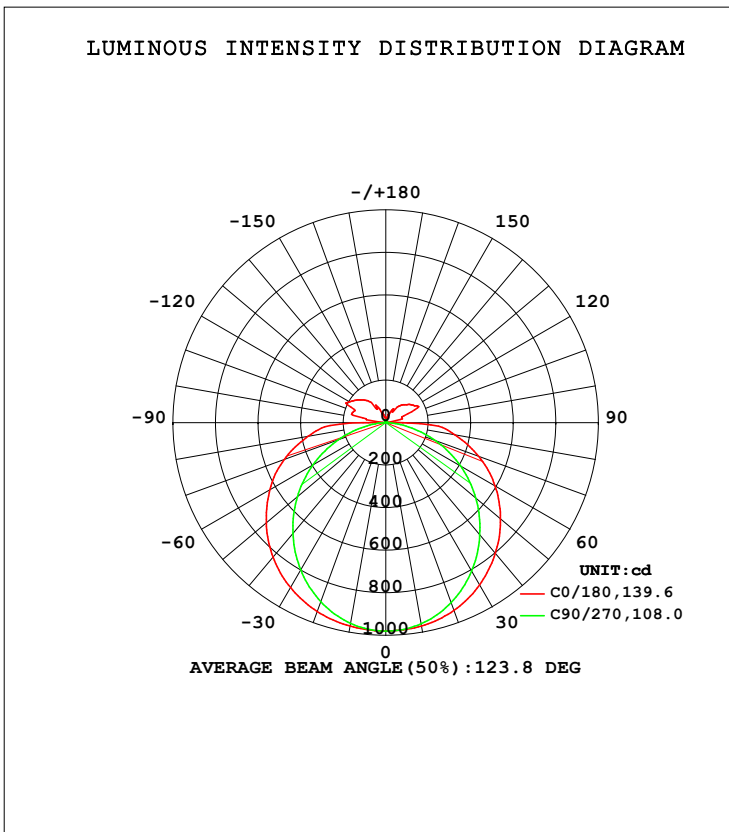


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 115.89 lm/W | | | |
|-------------------|------------|-----------------------------------|---------|--------------------------------------------|-----------|
| MODEL | TB2-DM-XXF | I _{max} (cd) | 979.8 | S/MH (C0/180) | 1.36 |
| NOMINAL POWER (W) | 30 | LOR (%) | 100.0 | S/MH (C90/270) | 1.22 |
| RATED VOLTAGE (V) | 277 | TOTAL FLUX (lm) | 3706.6 | <input type="checkbox"/> UP, DN (C0-180) | 5.2, 44.6 |
| NOMINAL FLUX (lm) | 3706.63 | CIE CLASS | SEMI-D. | <input type="checkbox"/> UP, DN (C180-360) | 5.8, 44.5 |
| LAMPS INSIDE | 1 | <input type="checkbox"/> up (%) | 11.0 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 277.0 | <input type="checkbox"/> down (%) | 89.0 | CIBSE SHR MAX | 1.50 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Jenson
 Test Date: 24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

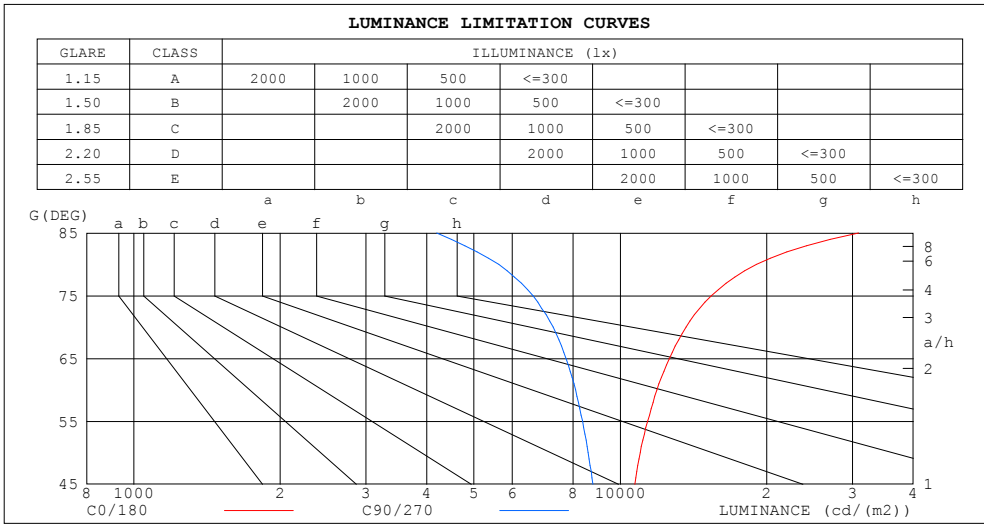
| mm | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | mm | □ zone | □ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|------------|
| 10 | 970.7 | 965.5 | 959.9 | 965.2 | 970.8 | 963.3 | 957.9 | 964.2 | 0- 10 | 92.79 | 92.79 | 2.5,2.5 |
| 20 | 938.6 | 924.3 | 899.9 | 926.9 | 944.2 | 923.0 | 895.4 | 920.5 | 10- 20 | 267.4 | 360.2 | 9.72,9.72 |
| 30 | 881.4 | 852.3 | 806.9 | 861.1 | 895.8 | 855.4 | 799.9 | 848.1 | 20- 30 | 410.0 | 770.2 | 20.8,20.8 |
| 40 | 801.7 | 757.6 | 687.8 | 769.5 | 825.7 | 762.9 | 680.0 | 751.3 | 30- 40 | 503.7 | 1274 | 34.4,34.4 |
| 50 | 704.2 | 644.7 | 552.8 | 663.3 | 733.4 | 655.8 | 542.8 | 638.9 | 40- 50 | 540.5 | 1814 | 49,49 |
| 60 | 593.2 | 520.3 | 405.1 | 542.7 | 629.6 | 535.8 | 394.6 | 514.5 | 50- 60 | 520.0 | 2334 | 63,63 |
| 70 | 465.5 | 385.1 | 249.3 | 411.3 | 508.6 | 403.9 | 238.9 | 379.5 | 60- 70 | 446.6 | 2781 | 75,75 |
| 80 | 329.9 | 246.7 | 97.73 | 273.0 | 370.2 | 266.8 | 89.13 | 244.0 | 70- 80 | 329.2 | 3110 | 83.9,83.9 |
| 90 | 82.20 | 71.34 | 4.682 | 91.48 | 107.5 | 74.66 | 5.145 | 69.15 | 80- 90 | 189.3 | 3300 | 89,89 |
| 100 | 10.46 | 41.13 | 4.166 | 81.80 | 93.49 | 86.32 | 7.332 | 46.04 | 90-100 | 25.65 | 3325 | 89.7,89.7 |
| 110 | 81.29 | 102.9 | 3.360 | 134.5 | 159.3 | 130.6 | 5.786 | 114.3 | 100-110 | 75.80 | 3401 | 91.8,91.8 |
| 120 | 159.2 | 94.36 | 3.607 | 128.5 | 197.8 | 124.8 | 4.798 | 104.9 | 110-120 | 101.8 | 3503 | 94.5,94.5 |
| 130 | 132.5 | 80.61 | 4.243 | 114.5 | 167.4 | 110.2 | 5.124 | 93.86 | 120-130 | 86.67 | 3590 | 96.8,96.8 |
| 140 | 105.6 | 48.12 | 4.434 | 84.84 | 136.3 | 68.23 | 5.829 | 71.49 | 130-140 | 58.71 | 3648 | 98.4,98.4 |
| 150 | 76.11 | 32.24 | 4.701 | 37.72 | 95.89 | 65.38 | 9.917 | 31.23 | 140-150 | 34.43 | 3683 | 99.4,99.4 |
| 160 | 34.35 | 21.59 | 4.701 | 30.47 | 40.33 | 47.95 | 12.46 | 19.40 | 150-160 | 16.95 | 3700 | 99.8,99.8 |
| 170 | 19.75 | 10.93 | 4.719 | 14.47 | 25.23 | 18.80 | 10.81 | 7.793 | 160-170 | 6.083 | 3706 | 100,100 |
| 180 | 4.161 | 5.440 | 5.311 | 5.770 | 4.940 | 4.917 | 4.512 | 5.132 | 170-180 | 0.9295 | 3707 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 30870 | 4193 |
| 80 | 19050 | 5623 |
| 75 | 15388 | 6616 |
| 70 | 13647 | 7281 |
| 65 | 12619 | 7741 |
| 60 | 11894 | 8094 |
| 55 | 11377 | 8364 |
| 50 | 10985 | 8591 |
| 45 | 10715 | 8787 |

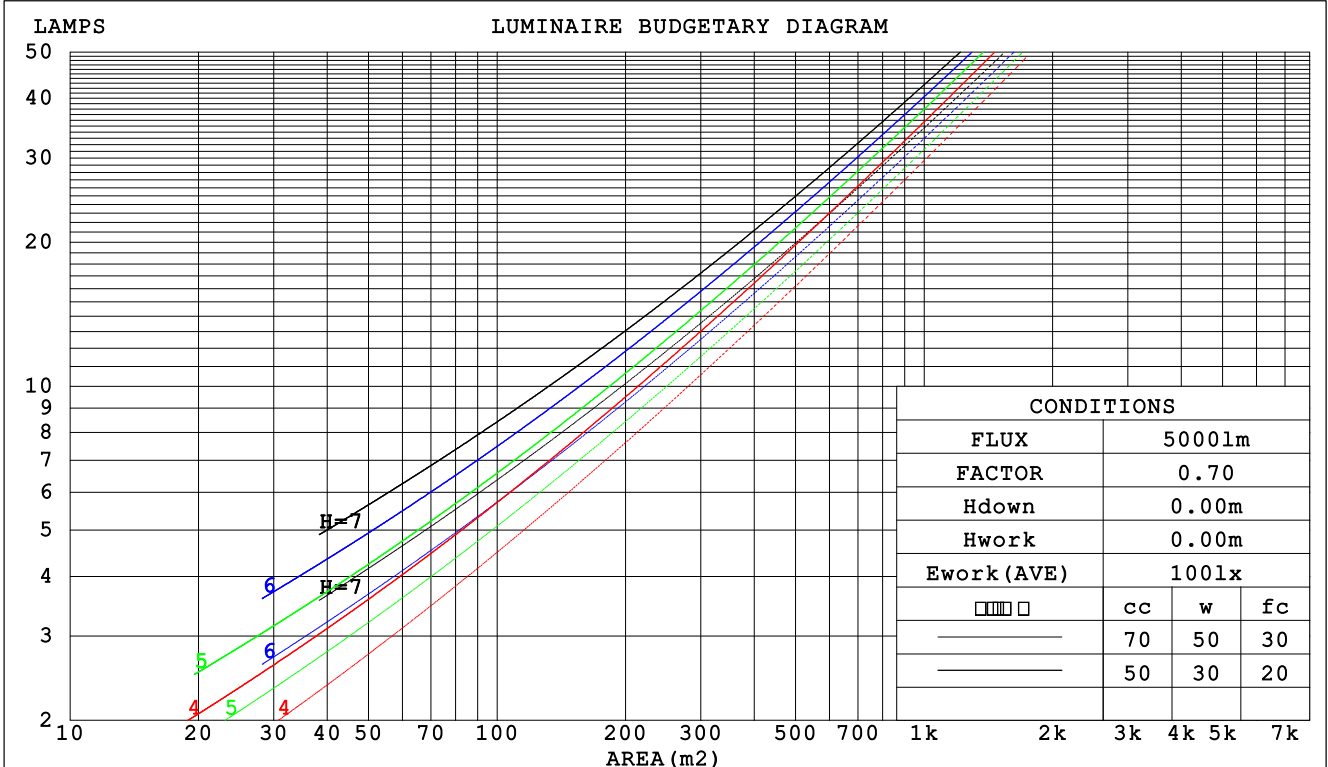
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Jenson
 Test Date: 24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | 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 | .92 | .92 | .92 | .89 |
| 1.0 | .99 | .94 | .89 | .95 | .91 | .87 | .89 | .85 | .82 | .83 | .80 | .78 | .78 | .76 | .73 | .70 |
| 2.0 | .85 | .77 | .71 | .82 | .75 | .69 | .77 | .71 | .66 | .72 | .67 | .63 | .67 | .63 | .60 | .57 |
| 3.0 | .74 | .65 | .58 | .72 | .63 | .57 | .67 | .60 | .55 | .63 | .57 | .52 | .59 | .54 | .50 | .47 |
| 4.0 | .65 | .56 | .49 | .63 | .54 | .48 | .59 | .52 | .46 | .55 | .49 | .44 | .52 | .47 | .42 | .40 |
| 5.0 | .58 | .49 | .42 | .56 | .47 | .41 | .53 | .45 | .39 | .50 | .43 | .38 | .47 | .41 | .37 | .34 |
| 6.0 | .52 | .43 | .36 | .50 | .42 | .35 | .47 | .40 | .34 | .45 | .38 | .33 | .42 | .36 | .32 | .30 |
| 7.0 | .47 | .38 | .32 | .46 | .37 | .31 | .43 | .36 | .30 | .41 | .34 | .29 | .38 | .33 | .28 | .26 |
| 8.0 | .43 | .34 | .28 | .41 | .33 | .28 | .39 | .32 | .27 | .37 | .31 | .26 | .35 | .29 | .25 | .23 |
| 9.0 | .39 | .31 | .25 | .38 | .30 | .25 | .36 | .29 | .24 | .34 | .28 | .23 | .32 | .27 | .23 | .21 |
| 10.0 | .36 | .28 | .23 | .35 | .27 | .22 | .33 | .26 | .22 | .32 | .25 | .21 | .30 | .25 | .20 | .19 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

□ Range: 0 - 180DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | 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 | .357 | .203 | .064 | .346 | .197 | .063 | .326 | .187 | .060 | .308 | .178 | .057 | .292 | .169 | .054 | |
| 2.0 | .319 | .175 | .054 | .309 | .170 | .052 | .291 | .162 | .050 | .275 | .154 | .048 | .260 | .147 | .046 | |
| 3.0 | .287 | .153 | .046 | .279 | .149 | .045 | .263 | .143 | .043 | .248 | .136 | .042 | .235 | .130 | .040 | |
| 4.0 | .261 | .136 | .040 | .253 | .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 | .213 | .108 | .031 | .202 | .103 | .030 | .191 | .099 | .029 | .180 | .095 | .028 | |
| 7.0 | .203 | .100 | .028 | .198 | .098 | .028 | .187 | .094 | .027 | .177 | .091 | .026 | .167 | .087 | .026 | |
| 8.0 | .189 | .092 | .026 | .184 | .090 | .026 | .174 | .087 | .025 | .165 | .083 | .024 | .156 | .080 | .023 | |
| 9.0 | .176 | .085 | .024 | .172 | .084 | .023 | .163 | .080 | .023 | .154 | .077 | .022 | .146 | .074 | .021 | |
| 10.0 | .165 | .079 | .022 | .161 | .078 | .022 | .153 | .075 | .021 | .145 | .072 | .020 | .138 | .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 | .274 | .274 | .274 | .234 | .234 | .234 | .160 | .160 | .160 | .092 | .092 | .092 | .029 | .029 | .029 | |
| 1.0 | .268 | .240 | .215 | .229 | .206 | .185 | .157 | .142 | .128 | .090 | .082 | .074 | .029 | .026 | .024 | |
| 2.0 | .261 | .217 | .180 | .223 | .187 | .155 | .153 | .129 | .108 | .088 | .075 | .064 | .028 | .024 | .021 | |
| 3.0 | .253 | .200 | .157 | .217 | .172 | .136 | .149 | .120 | .096 | .086 | .070 | .056 | .028 | .023 | .018 | |
| 4.0 | .246 | .187 | .142 | .211 | .162 | .124 | .145 | .113 | .087 | .084 | .066 | .052 | .027 | .021 | .017 | |
| 5.0 | .238 | .177 | .132 | .204 | .153 | .115 | .141 | .107 | .081 | .082 | .063 | .048 | .026 | .020 | .016 | |
| 6.0 | .231 | .169 | .125 | .198 | .146 | .109 | .137 | .102 | .077 | .079 | .060 | .046 | .026 | .020 | .015 | |
| 7.0 | .224 | .162 | .119 | .192 | .141 | .104 | .133 | .099 | .074 | .077 | .058 | .044 | .025 | .019 | .014 | |
| 8.0 | .217 | .157 | .115 | .187 | .136 | .100 | .129 | .095 | .071 | .075 | .056 | .042 | .024 | .018 | .014 | |
| 9.0 | .211 | .152 | .112 | .182 | .132 | .098 | .126 | .093 | .069 | .073 | .055 | .041 | .024 | .018 | .014 | |
| 10.0 | .205 | .147 | .109 | .177 | .128 | .095 | .123 | .090 | .068 | .071 | .053 | .040 | .023 | .017 | .013 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---------------------------------------------------------------------------------|------------------|------|------|------|-------|----------------|------|------------------|------|------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | | | | | | | | | |
| NAME: TB2-DM-XXF | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: OKT | | | | | 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 | 20.2 | 21.6 | 20.7 | 22.2 | 22.7 | 18.5 | 19.9 | 19.0 | 20.5 | 21.0 |
| 3H | 22.7 | 24.1 | 23.3 | 24.6 | 25.2 | 20.2 | 21.6 | 20.8 | 22.1 | 22.7 |
| 4H | 24.0 | 25.2 | 24.5 | 25.8 | 26.4 | 20.9 | 22.2 | 21.4 | 22.7 | 23.3 |
| 6H | 25.2 | 26.4 | 25.8 | 27.0 | 27.6 | 21.3 | 22.5 | 21.9 | 23.1 | 23.7 |
| 8H | 25.9 | 27.0 | 26.5 | 27.6 | 28.2 | 21.4 | 22.6 | 22.0 | 23.2 | 23.8 |
| 12H | 26.6 | 27.7 | 27.2 | 28.3 | 28.9 | 21.5 | 22.6 | 22.1 | 23.2 | 23.9 |
| 4H 2H | 20.8 | 22.0 | 21.3 | 22.6 | 23.2 | 19.6 | 20.9 | 20.2 | 21.4 | 22.1 |
| 3H | 23.6 | 24.7 | 24.2 | 25.3 | 25.9 | 21.7 | 22.8 | 22.3 | 23.4 | 24.0 |
| 4H | 25.0 | 26.0 | 25.6 | 26.6 | 27.3 | 22.5 | 23.5 | 23.1 | 24.1 | 24.8 |
| 6H | 26.5 | 27.4 | 27.1 | 28.0 | 28.7 | 23.1 | 24.0 | 23.7 | 24.6 | 25.3 |
| 8H | 27.3 | 28.1 | 27.9 | 28.7 | 29.4 | 23.3 | 24.1 | 23.9 | 24.8 | 25.5 |
| 12H | 28.1 | 28.9 | 28.8 | 29.5 | 30.3 | 23.4 | 24.2 | 24.1 | 24.8 | 25.5 |
| 8H 4H | 25.4 | 26.2 | 26.0 | 26.8 | 27.5 | 23.5 | 24.3 | 24.1 | 24.9 | 25.6 |
| 6H | 27.1 | 27.8 | 27.7 | 28.5 | 29.2 | 24.4 | 25.1 | 25.0 | 25.7 | 26.4 |
| 8H | 28.1 | 28.7 | 28.7 | 29.4 | 30.1 | 24.7 | 25.4 | 25.4 | 26.0 | 26.7 |
| 12H | 29.2 | 29.7 | 29.8 | 30.4 | 31.2 | 25.0 | 25.5 | 25.6 | 26.2 | 27.0 |
| 12H 4H | 25.4 | 26.2 | 26.0 | 26.8 | 27.5 | 23.7 | 24.5 | 24.4 | 25.1 | 25.8 |
| 6H | 27.2 | 27.8 | 27.9 | 28.5 | 29.2 | 24.8 | 25.4 | 25.5 | 26.1 | 26.8 |
| 8H | 28.3 | 28.8 | 28.9 | 29.5 | 30.3 | 25.3 | 25.9 | 26.0 | 26.5 | 27.3 |
| CIE190: 2010 | | | | | | | | | | |
| | | | | | | | | | | |

CIE190: 2010
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators:Jenson
Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
Humidity: 48.2%
Test Distance:26.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |

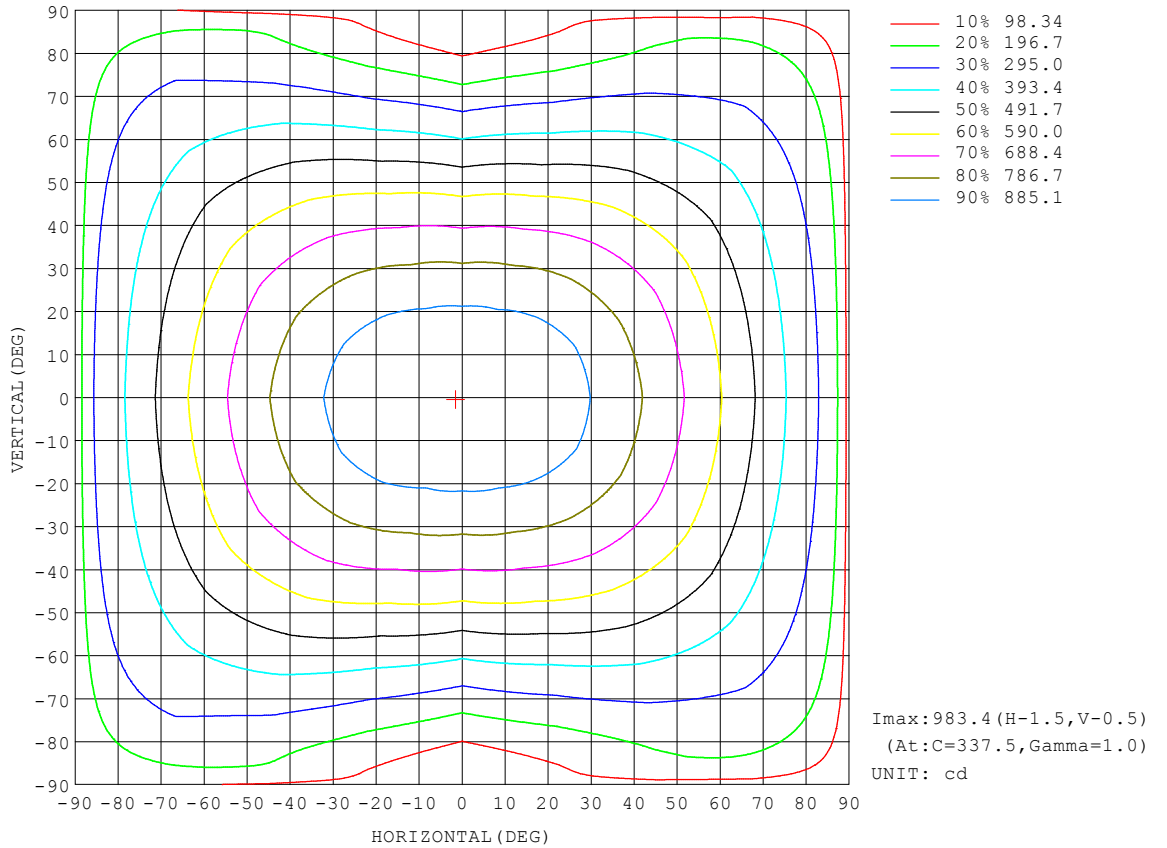
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 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 | 32 | 50 | 39 | 32 | 49 | 38 | 32 | 25 |
| 0.80 | 61 | 49 | 41 | 60 | 48 | 40 | 57 | 47 | 40 | 32 |
| 1.00 | 69 | 57 | 49 | 67 | 56 | 48 | 64 | 57 | 47 | 39 |
| 1.25 | 76 | 64 | 57 | 74 | 63 | 56 | 70 | 61 | 54 | 45 |
| 1.50 | 81 | 70 | 62 | 79 | 69 | 61 | 74 | 66 | 59 | 50 |
| 2.00 | 88 | 79 | 71 | 86 | 77 | 70 | 81 | 73 | 67 | 57 |
| 2.50 | 93 | 84 | 77 | 90 | 82 | 75 | 84 | 77 | 72 | 61 |
| 3.00 | 96 | 88 | 82 | 93 | 86 | 80 | 87 | 81 | 76 | 64 |
| 4.00 | 101 | 94 | 88 | 97 | 91 | 86 | 91 | 86 | 82 | 69 |
| 5.00 | 104 | 98 | 93 | 100 | 95 | 90 | 93 | 89 | 86 | 72 |
| 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: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |

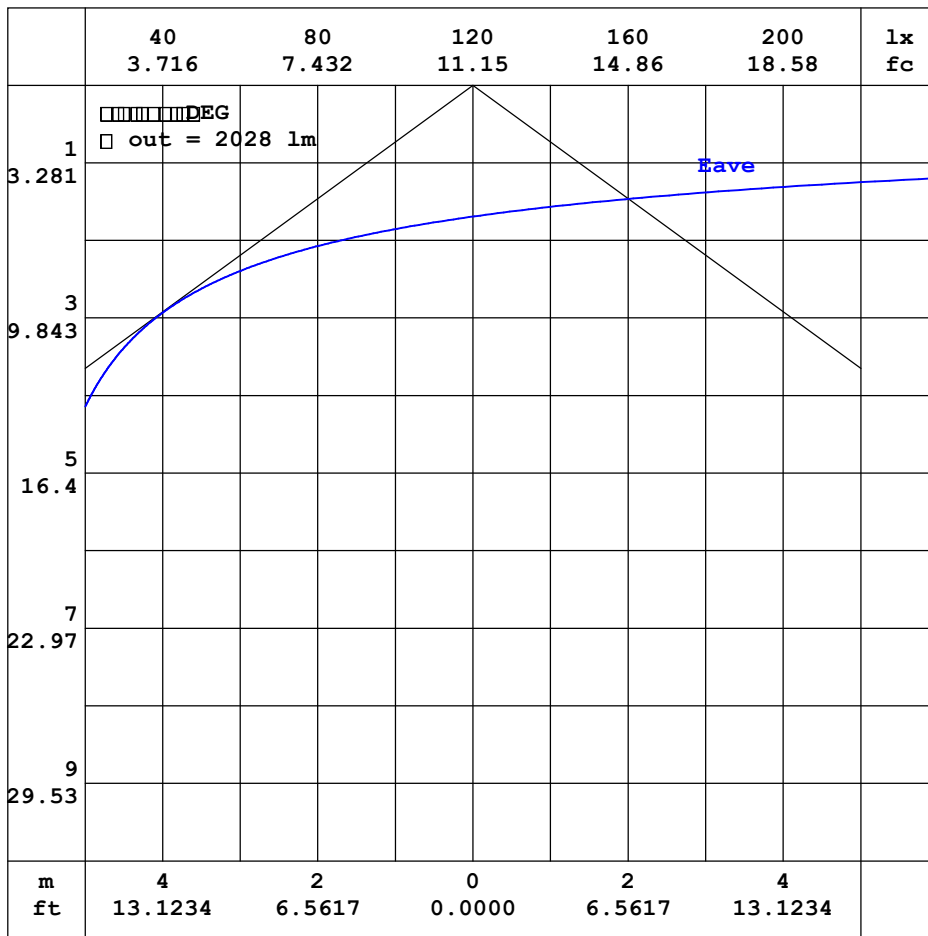


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

AAI CURVES

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |



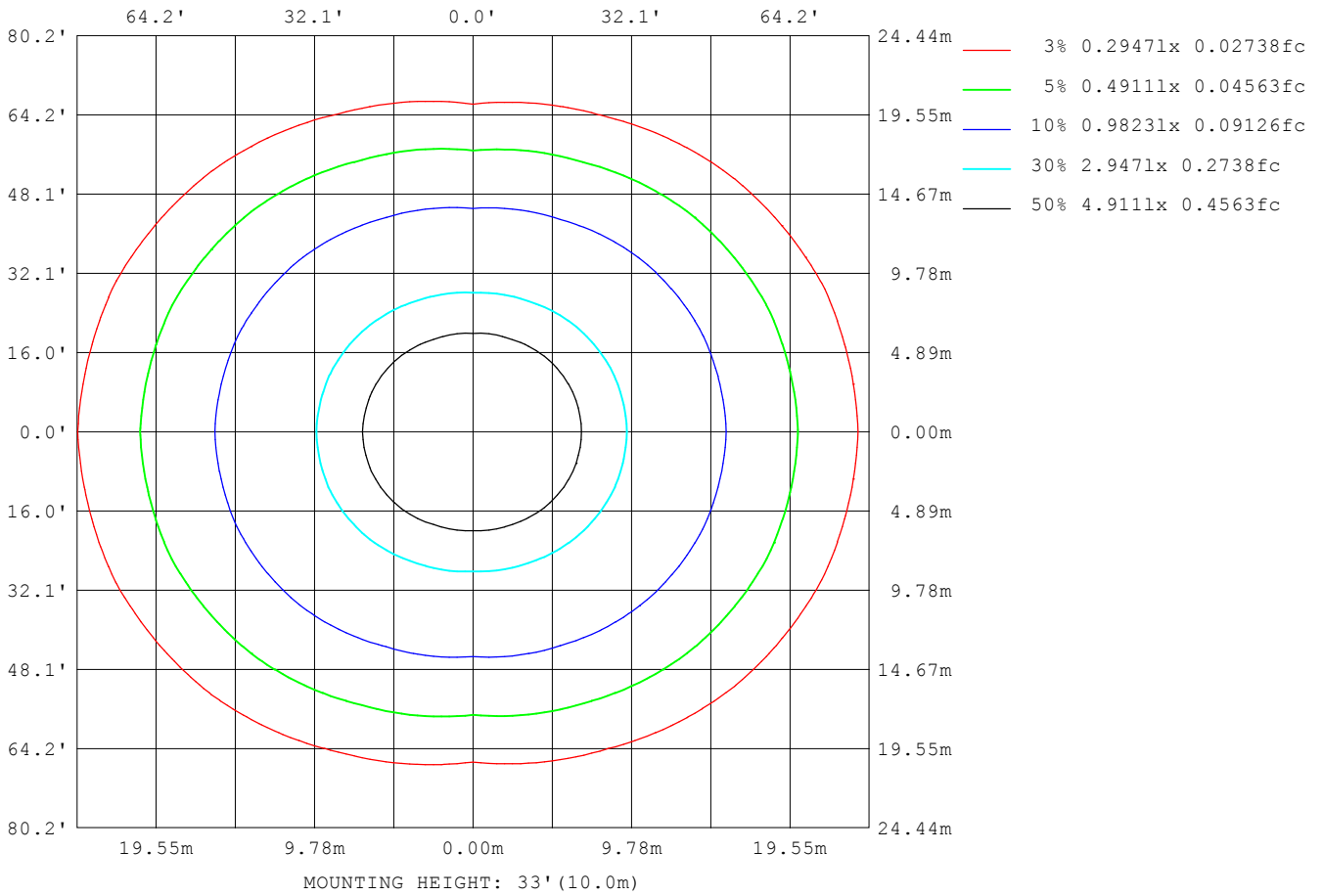
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Jenson
 Test Date: 24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |

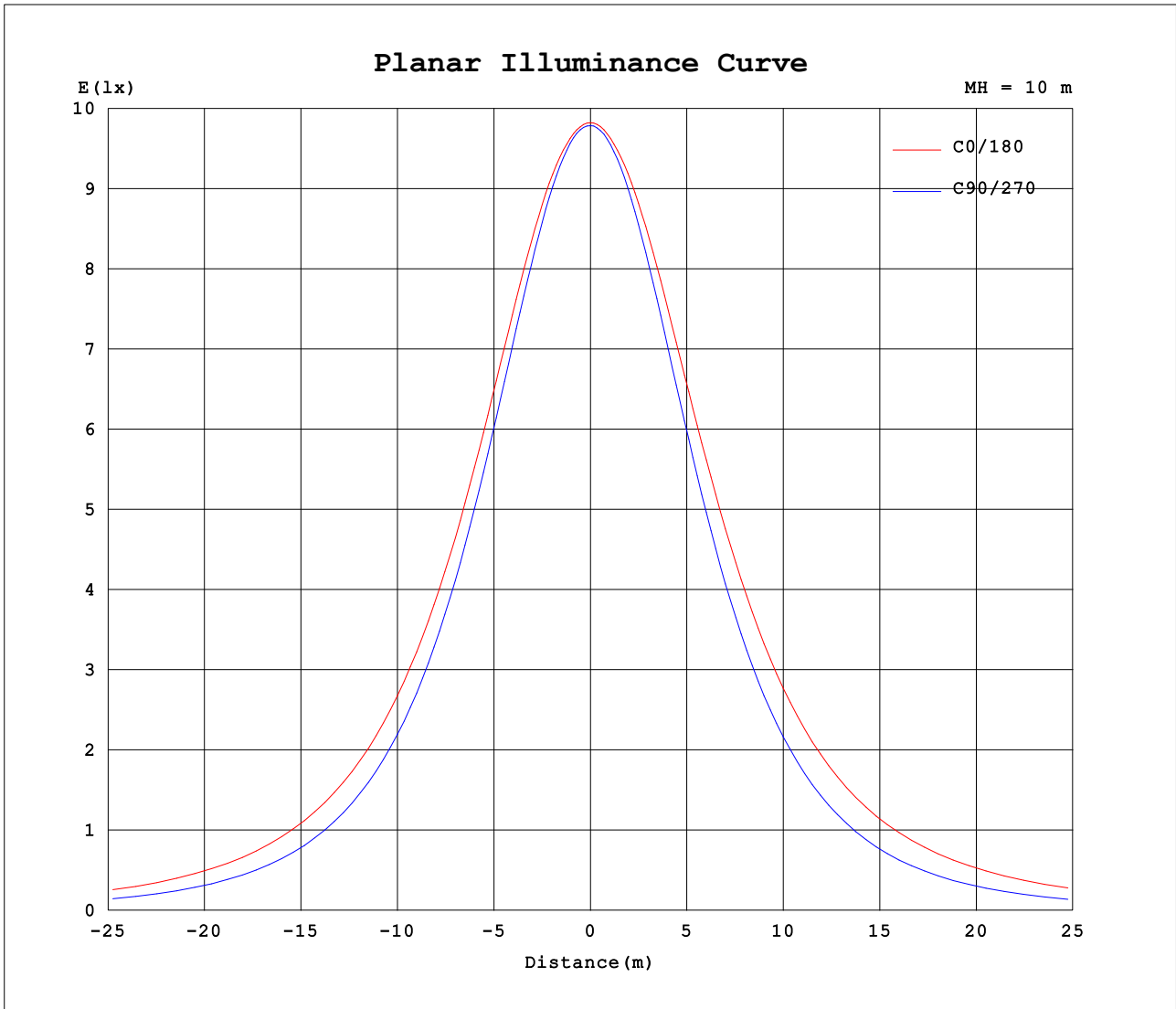
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 13067 |
| L_0~180 (75) av | 16171 |
| L_0~180 (85) av | 32875 |
| L_90~270 (65) av | 7622 |
| L_90~270 (75) av | 6421 |
| L_90~270 (85) av | 3871 |
| L_45 (65) av | 10944 |
| L_45 (75) av | 12576 |
| L_45 (85) av | 22807 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance:26.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Jenson
 Test Date: 24 December 2020

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.426
 Humidity: 48.2%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------------------------------------------------------------------------|-------|------------------|
| Test:U:277.03V I:0.1237A P:31.98W PF:0.9330 Freq:60.01Hz Lamp Flux:3706.63x1 lm | | |
| NAME: TB2-DM-XXF | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: OKT | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) □ (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 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | 980 | | | |
| 5 | 978 | 976 | 976 | 975 | 976 | 975 | 976 | 976 | 977 | 976 | 975 | 975 | 974 | 974 | 975 | 977 | | | |
| 10 | 971 | 970 | 966 | 961 | 960 | 961 | 965 | 970 | 971 | 969 | 963 | 959 | 958 | 959 | 964 | 969 | | | |
| 15 | 958 | 957 | 948 | 939 | 935 | 938 | 949 | 959 | 960 | 958 | 946 | 935 | 931 | 935 | 946 | 956 | | | |
| 20 | 939 | 937 | 924 | 908 | 900 | 907 | 927 | 941 | 944 | 940 | 923 | 904 | 895 | 903 | 920 | 935 | | | |
| 25 | 914 | 909 | 891 | 869 | 857 | 870 | 897 | 916 | 922 | 914 | 893 | 865 | 851 | 863 | 887 | 906 | | | |
| 30 | 881 | 875 | 852 | 823 | 807 | 825 | 861 | 886 | 896 | 882 | 855 | 818 | 800 | 817 | 848 | 871 | | | |
| 35 | 843 | 835 | 807 | 771 | 750 | 774 | 818 | 848 | 864 | 845 | 811 | 767 | 742 | 764 | 802 | 830 | | | |
| 40 | 802 | 789 | 758 | 714 | 688 | 718 | 770 | 807 | 826 | 803 | 763 | 711 | 680 | 706 | 751 | 784 | | | |
| 45 | 756 | 739 | 703 | 652 | 622 | 658 | 718 | 762 | 782 | 758 | 711 | 650 | 613 | 645 | 696 | 737 | | | |
| 50 | 704 | 687 | 645 | 588 | 553 | 593 | 663 | 711 | 733 | 709 | 656 | 587 | 543 | 579 | 639 | 684 | | | |
| 55 | 651 | 631 | 584 | 521 | 480 | 527 | 605 | 660 | 682 | 656 | 598 | 520 | 470 | 510 | 578 | 627 | | | |
| 60 | 593 | 572 | 520 | 451 | 405 | 460 | 543 | 603 | 630 | 600 | 536 | 452 | 395 | 441 | 515 | 568 | | | |
| 65 | 532 | 509 | 454 | 379 | 327 | 391 | 478 | 543 | 573 | 540 | 471 | 381 | 317 | 370 | 447 | 508 | | | |
| 70 | 466 | 442 | 385 | 306 | 249 | 319 | 411 | 478 | 509 | 476 | 404 | 308 | 239 | 297 | 380 | 442 | | | |
| 75 | 397 | 373 | 314 | 233 | 171 | 247 | 343 | 410 | 440 | 407 | 335 | 238 | 161 | 225 | 310 | 375 | | | |
| 80 | 330 | 307 | 247 | 163 | 97.7 | 178 | 273 | 341 | 370 | 340 | 267 | 170 | 89.1 | 157 | 244 | 307 | | | |
| 85 | 268 | 248 | 189 | 106 | 36.6 | 118 | 212 | 278 | 305 | 277 | 207 | 112 | 30.9 | 101 | 187 | 248 | | | |
| 90 | 82.2 | 83.2 | 71.3 | 48.7 | 4.68 | 56.6 | 91.5 | 105 | 108 | 99.6 | 74.7 | 43.9 | 5.14 | 43.8 | 69.2 | 84.2 | | | |
| 95 | 5.97 | 5.29 | 7.49 | 6.57 | 1.64 | 9.39 | 12.3 | 10.7 | 11.8 | 11.4 | 16.8 | 14.3 | 3.38 | 9.36 | 10.4 | 6.15 | | | |
| 100 | 10.5 | 9.96 | 41.1 | 31.7 | 4.17 | 39.6 | 81.8 | 78.4 | 93.5 | 77.0 | 86.3 | 46.3 | 7.33 | 42.7 | 46.0 | 10.6 | | | |
| 105 | 80.7 | 71.0 | 49.9 | 43.5 | 3.71 | 51.3 | 95.1 | 147 | 166 | 142 | 93.1 | 53.5 | 7.29 | 48.4 | 57.2 | 69.5 | | | |
| 110 | 81.3 | 90.7 | 103 | 43.6 | 3.36 | 55.4 | 134 | 145 | 159 | 142 | 131 | 56.1 | 5.79 | 52.2 | 114 | 93.6 | | | |
| 115 | 166 | 155 | 101 | 42.0 | 3.43 | 56.0 | 133 | 192 | 201 | 189 | 130 | 55.7 | 5.13 | 51.5 | 108 | 156 | | | |
| 120 | 159 | 142 | 94.4 | 33.6 | 3.61 | 44.1 | 128 | 179 | 198 | 177 | 125 | 44.7 | 4.80 | 41.8 | 105 | 143 | | | |
| 125 | 148 | 130 | 88.0 | 41.9 | 4.14 | 53.6 | 122 | 166 | 182 | 165 | 118 | 51.6 | 2.45 | 47.0 | 101 | 136 | | | |
| 130 | 133 | 116 | 80.6 | 37.4 | 4.24 | 45.6 | 115 | 153 | 167 | 151 | 110 | 46.6 | 5.12 | 40.6 | 93.9 | 124 | | | |
| 135 | 120 | 104 | 67.8 | 23.0 | 4.34 | 30.5 | 72.5 | 139 | 153 | 138 | 92.0 | 30.7 | 5.25 | 26.0 | 65.0 | 113 | | | |
| 140 | 106 | 89.0 | 48.1 | 27.2 | 4.43 | 38.5 | 84.8 | 122 | 136 | 123 | 68.2 | 39.3 | 5.83 | 32.3 | 71.5 | 98.0 | | | |
| 145 | 70.0 | 57.7 | 54.2 | 15.8 | 4.42 | 25.5 | 70.0 | 75.4 | 84.6 | 75.3 | 74.7 | 36.8 | 7.15 | 18.6 | 57.1 | 62.2 | | | |
| 150 | 76.1 | 67.0 | 32.2 | 14.6 | 4.70 | 23.7 | 37.7 | 85.5 | 95.9 | 90.6 | 65.4 | 27.3 | 9.92 | 18.1 | 31.2 | 69.3 | | | |
| 155 | 60.6 | 38.7 | 38.9 | 17.4 | 4.70 | 24.0 | 50.0 | 47.9 | 73.3 | 71.8 | 41.6 | 25.7 | 11.9 | 9.64 | 24.4 | 36.2 | | | |
| 160 | 34.4 | 41.3 | 21.6 | 11.9 | 4.70 | 14.7 | 30.5 | 52.2 | 40.3 | 40.0 | 48.0 | 25.1 | 12.5 | 6.52 | 19.4 | 35.1 | | | |
| 165 | 23.4 | 20.9 | 20.3 | 8.98 | 4.70 | 12.1 | 27.8 | 28.8 | 31.2 | 31.4 | 27.0 | 26.7 | 13.5 | 4.68 | 10.3 | 20.5 | | | |
| 170 | 19.8 | 16.4 | 10.9 | 7.30 | 4.72 | 10.9 | 14.5 | 18.1 | 25.2 | 25.1 | 18.8 | 14.1 | 10.8 | 5.14 | 7.79 | 11.0 | | | |
| 175 | 7.21 | 7.75 | 8.37 | 5.23 | 5.12 | 8.03 | 12.3 | 12.8 | 11.0 | 10.6 | 12.8 | 11.6 | 7.76 | 5.27 | 4.99 | 8.63 | | | |
| 180 | 4.16 | 4.31 | 5.44 | 4.48 | 5.31 | 4.82 | 5.77 | 4.15 | 4.94 | 4.87 | 4.92 | 5.65 | 4.51 | 5.29 | 5.13 | 6.40 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators:Jenson
 Test Date:24 December 2020

□ Range: 0 - 180DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.426
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