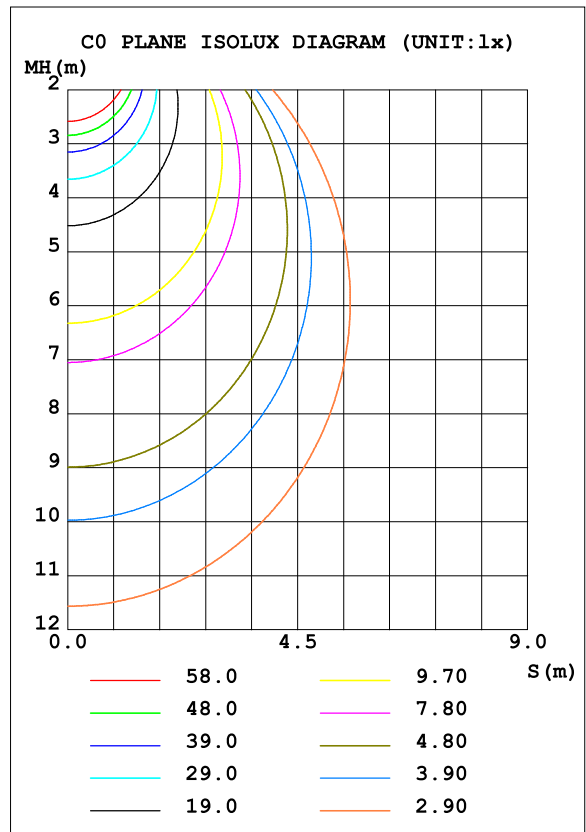
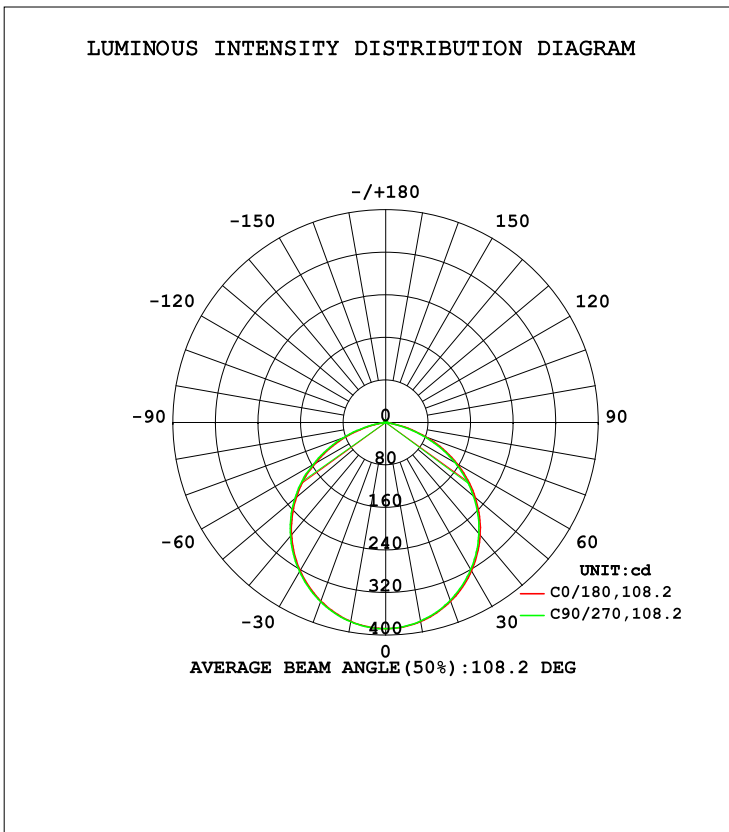


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------|------------------|--------|--------------------------|-----------|
| MODEL | | Imax (cd) | 387.9 | S/MH (C0/180) | 1.24 |
| NOMINAL POWER (W) | 15 | LOR (%) | 100.0 | S/MH (C90/270) | 1.24 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 1031.4 | η UP, DN (C0-180) | 0.9, 48.8 |
| NOMINAL FLUX (lm) | 1031.42 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.8, 49.5 |
| LAMPS INSIDE | 1 | η up (%) | 1.7 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 120.0 | η down (%) | 98.3 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.074m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

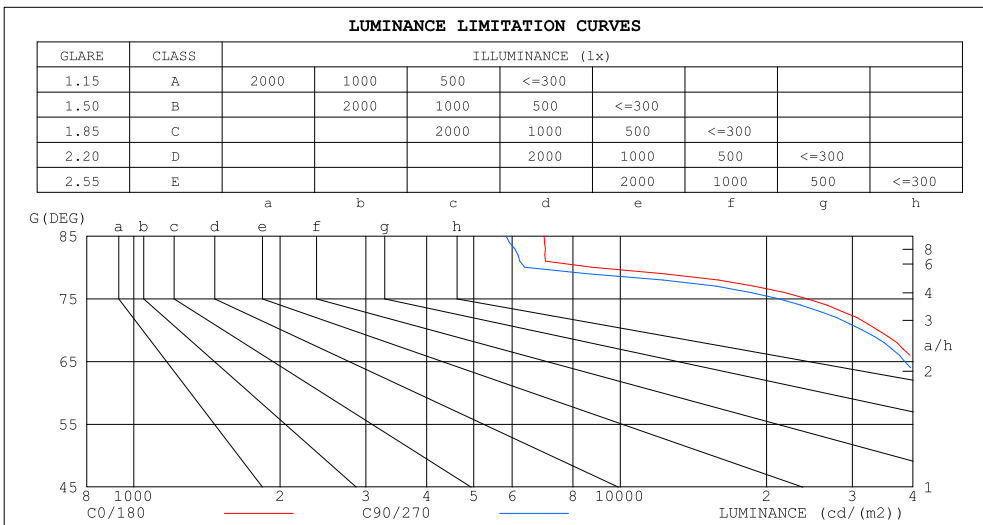
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|------------|
| 10 | 380.1 | 379.5 | 379.2 | 380.1 | 379.9 | 380.2 | 380.5 | 379.8 | 0- 10 | 36.64 | 36.64 | 3.55,3.55 |
| 20 | 357.7 | 356.5 | 355.8 | 357.7 | 357.2 | 358.0 | 358.6 | 357.3 | 10- 20 | 104.5 | 141.1 | 13.7,13.7 |
| 30 | 322.6 | 321.0 | 319.9 | 322.5 | 321.9 | 323.1 | 324.1 | 322.1 | 20- 30 | 157.2 | 298.3 | 28.9,28.9 |
| 40 | 276.6 | 274.4 | 273.1 | 276.2 | 275.8 | 277.4 | 278.7 | 276.1 | 30- 40 | 187.8 | 486.1 | 47.1,47.1 |
| 50 | 220.1 | 217.2 | 215.9 | 219.7 | 219.5 | 221.5 | 223.2 | 220.0 | 40- 50 | 192.0 | 678.1 | 65.7,65.7 |
| 60 | 154.5 | 149.6 | 150.1 | 152.4 | 151.9 | 157.2 | 156.8 | 155.2 | 50- 60 | 167.7 | 845.8 | 82,82 |
| 70 | 81.01 | 77.16 | 75.27 | 80.01 | 80.39 | 84.50 | 86.23 | 81.61 | 60- 70 | 116.6 | 962.3 | 93.3,93.3 |
| 80 | 10.64 | 10.24 | 7.729 | 11.77 | 8.573 | 14.13 | 15.64 | 12.37 | 70- 80 | 46.60 | 1009 | 97.8,97.8 |
| 90 | 2.093 | 2.101 | 2.103 | 2.103 | 1.218 | 1.238 | 1.250 | 1.239 | 80- 90 | 4.959 | 1014 | 98.3,98.3 |
| 100 | 2.345 | 2.370 | 2.375 | 2.378 | 1.613 | 1.585 | 1.590 | 1.606 | 90-100 | 1.976 | 1016 | 98.5,98.5 |
| 110 | 2.636 | 2.653 | 2.655 | 2.658 | 2.081 | 2.036 | 2.047 | 2.055 | 100-110 | 2.292 | 1018 | 98.7,98.7 |
| 120 | 2.889 | 2.903 | 2.919 | 2.910 | 2.522 | 2.480 | 2.507 | 2.504 | 110-120 | 2.511 | 1021 | 99,99 |
| 130 | 3.099 | 3.111 | 3.135 | 3.112 | 2.951 | 2.900 | 2.939 | 2.932 | 120-130 | 2.568 | 1023 | 99.2,99.2 |
| 140 | 3.346 | 3.377 | 3.390 | 3.379 | 3.375 | 3.327 | 3.362 | 3.361 | 130-140 | 2.465 | 1026 | 99.4,99.4 |
| 150 | 3.708 | 3.742 | 3.757 | 3.746 | 3.809 | 3.767 | 3.791 | 3.796 | 140-150 | 2.232 | 1028 | 99.7,99.7 |
| 160 | 4.114 | 4.124 | 4.147 | 4.138 | 4.216 | 4.163 | 4.204 | 4.183 | 150-160 | 1.831 | 1030 | 99.8,99.8 |
| 170 | 4.454 | 4.438 | 4.464 | 4.452 | 4.538 | 4.468 | 4.515 | 4.480 | 160-170 | 1.222 | 1031 | 100,100 |
| 180 | 4.650 | 4.606 | 4.641 | 4.620 | 4.659 | 4.606 | 4.641 | 4.623 | 170-180 | 0.4339 | 1031 | 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:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |



| LUMINANCE cd/ (m2) | | |
|--------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 6973 | 5827 |
| 80 | 8749 | 6359 |
| 75 | 24141 | 21110 |
| 70 | 33833 | 31442 |
| 65 | 40153 | 38446 |
| 60 | 44148 | 42881 |
| 55 | 46884 | 45809 |
| 50 | 48899 | 47981 |
| 45 | 50439 | 49642 |

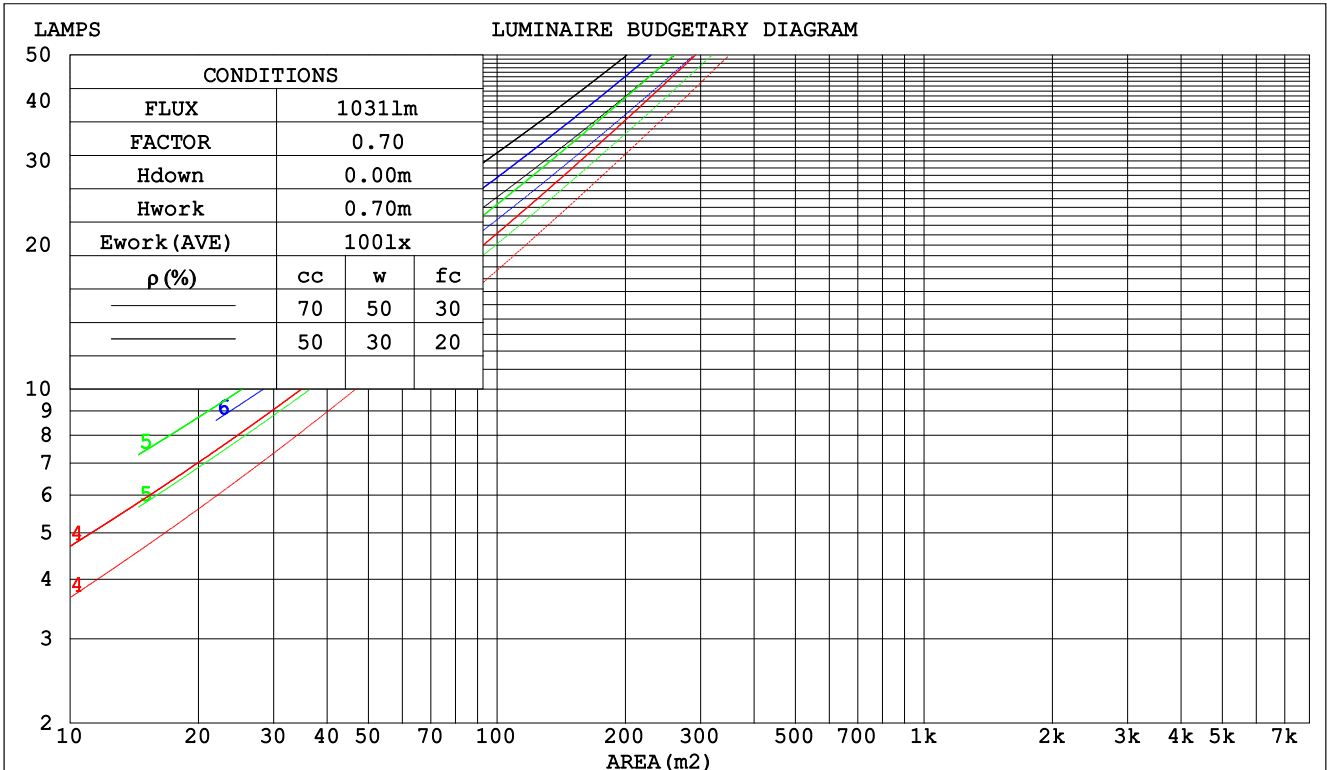
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 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 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.00 | 1.00 | 1.00 | .98 |
| 1.0 | 1.05 | 1.01 | .98 | 1.03 | .99 | .96 | .98 | .95 | .93 | .94 | .92 | .89 | .90 | .88 | .86 | .84 |
| 2.0 | .92 | .86 | .80 | .90 | .84 | .79 | .86 | .81 | .77 | .83 | .79 | .75 | .80 | .76 | .73 | .71 |
| 3.0 | .81 | .74 | .67 | .80 | .72 | .67 | .76 | .70 | .65 | .73 | .68 | .64 | .71 | .66 | .63 | .60 |
| 4.0 | .72 | .64 | .57 | .71 | .63 | .57 | .68 | .61 | .56 | .66 | .60 | .55 | .63 | .58 | .54 | .52 |
| 5.0 | .65 | .56 | .49 | .63 | .55 | .49 | .61 | .54 | .48 | .59 | .53 | .48 | .57 | .51 | .47 | .45 |
| 6.0 | .58 | .49 | .43 | .57 | .49 | .43 | .55 | .48 | .42 | .53 | .47 | .42 | .52 | .46 | .41 | .39 |
| 7.0 | .53 | .44 | .38 | .52 | .44 | .38 | .50 | .43 | .38 | .49 | .42 | .37 | .47 | .41 | .37 | .35 |
| 8.0 | .48 | .40 | .34 | .47 | .39 | .34 | .46 | .39 | .34 | .45 | .38 | .33 | .43 | .37 | .33 | .31 |
| 9.0 | .44 | .36 | .31 | .44 | .36 | .31 | .42 | .35 | .30 | .41 | .35 | .30 | .40 | .34 | .30 | .28 |
| 10.0 | .41 | .33 | .28 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .27 | .37 | .31 | .27 | .25 |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | | | | | | | | | | | | | |
|--|--|--|--|--|--|------------|--|--|--|--|------------------|--|--|--|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | | | | | | | | | | | | | |
| NAME: 6 inch Smooth Retrofit Downlight | | | | | | TYPE: | | | | | WEIGHT: | | | |
| SPEC.:5000K | | | | | | DIM.: | | | | | SERIAL No.: | | | |
| MFR.: EVERFINE | | | | | | SUR.:0.096 | | | | | Shielding Angle: | | | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .280 | .159 | .050 | .273 | .156 | .049 | .259 | .148 | .047 | .246 | .142 | .045 | .234 | .136 | .044 | |
| 2.0 | .271 | .149 | .046 | .265 | .146 | .045 | .252 | .140 | .044 | .241 | .135 | .042 | .230 | .130 | .041 | |
| 3.0 | .255 | .136 | .041 | .249 | .133 | .040 | .238 | .129 | .039 | .228 | .125 | .038 | .219 | .121 | .037 | |
| 4.0 | .238 | .124 | .036 | .233 | .122 | .036 | .223 | .118 | .035 | .214 | .115 | .035 | .205 | .112 | .034 | |
| 5.0 | .222 | .113 | .033 | .217 | .111 | .032 | .208 | .108 | .032 | .200 | .106 | .031 | .193 | .103 | .031 | |
| 6.0 | .207 | .104 | .030 | .203 | .102 | .029 | .195 | .100 | .029 | .187 | .097 | .029 | .181 | .095 | .028 | |
| 7.0 | .193 | .096 | .027 | .190 | .094 | .027 | .182 | .092 | .027 | .176 | .090 | .026 | .170 | .088 | .026 | |
| 8.0 | .181 | .088 | .025 | .178 | .088 | .025 | .171 | .086 | .024 | .165 | .084 | .024 | .160 | .082 | .024 | |
| 9.0 | .170 | .082 | .023 | .167 | .081 | .023 | .161 | .080 | .023 | .156 | .078 | .022 | .151 | .077 | .022 | |
| 10.0 | .160 | .077 | .021 | .158 | .076 | .021 | .152 | .075 | .021 | .148 | .073 | .021 | .143 | .072 | .021 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .203 | .203 | .203 | .174 | .174 | .174 | .119 | .119 | .119 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .191 | .169 | .150 | .164 | .145 | .129 | .112 | .100 | .089 | .064 | .058 | .052 | .021 | .019 | .017 | |
| 2.0 | .183 | .145 | .114 | .156 | .125 | .098 | .107 | .086 | .069 | .062 | .050 | .040 | .020 | .016 | .013 | |
| 3.0 | .175 | .127 | .090 | .150 | .110 | .078 | .103 | .076 | .055 | .059 | .045 | .032 | .019 | .014 | .011 | |
| 4.0 | .167 | .114 | .073 | .144 | .099 | .064 | .099 | .069 | .045 | .057 | .040 | .027 | .018 | .013 | .009 | |
| 5.0 | .160 | .104 | .062 | .138 | .090 | .054 | .095 | .063 | .038 | .055 | .037 | .023 | .018 | .012 | .007 | |
| 6.0 | .153 | .095 | .053 | .132 | .082 | .047 | .091 | .058 | .033 | .053 | .034 | .020 | .017 | .011 | .006 | |
| 7.0 | .147 | .088 | .047 | .126 | .077 | .041 | .087 | .054 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 8.0 | .140 | .083 | .043 | .121 | .072 | .037 | .084 | .050 | .026 | .049 | .030 | .016 | .016 | .010 | .005 | |
| 9.0 | .135 | .078 | .039 | .116 | .067 | .034 | .080 | .047 | .024 | .047 | .028 | .014 | .015 | .009 | .005 | |
| 10.0 | .129 | .073 | .036 | .111 | .064 | .032 | .077 | .045 | .022 | .045 | .026 | .013 | .015 | .009 | .004 | |

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------|----------------|------|------------------|------|------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | | | | | | | | | |
| NAME: 6 inch Smooth Retrofit Downlight | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.:5000K | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: EVERFINE | | | | | SUR.:0.096 | | | 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 | 26.0 | 27.5 | 26.3 | 27.7 | 27.9 | 25.9 | 27.4 | 26.2 | 27.6 | 27.8 |
| 3H | 27.2 | 28.5 | 27.5 | 28.8 | 29.0 | 27.0 | 28.3 | 27.3 | 28.6 | 28.9 |
| 4H | 27.4 | 28.7 | 27.8 | 29.0 | 29.3 | 27.2 | 28.5 | 27.6 | 28.8 | 29.0 |
| 6H | 27.5 | 28.6 | 27.8 | 28.9 | 29.2 | 27.2 | 28.4 | 27.5 | 28.7 | 29.0 |
| 8H | 27.4 | 28.6 | 27.8 | 28.9 | 29.2 | 27.2 | 28.3 | 27.5 | 28.6 | 28.9 |
| 12H | 27.4 | 28.5 | 27.7 | 28.8 | 29.1 | 27.1 | 28.2 | 27.5 | 28.5 | 28.9 |
| 4H 2H | 26.5 | 27.8 | 26.8 | 28.0 | 28.3 | 26.4 | 27.7 | 26.7 | 28.0 | 28.2 |
| 3H | 27.8 | 28.9 | 28.1 | 29.2 | 29.5 | 27.6 | 28.7 | 28.0 | 29.0 | 29.4 |
| 4H | 28.1 | 29.1 | 28.5 | 29.5 | 29.8 | 27.9 | 28.9 | 28.3 | 29.2 | 29.6 |
| 6H | 28.2 | 29.0 | 28.6 | 29.4 | 29.8 | 27.9 | 28.8 | 28.3 | 29.2 | 29.6 |
| 8H | 28.1 | 28.9 | 28.6 | 29.3 | 29.8 | 27.9 | 28.7 | 28.3 | 29.1 | 29.5 |
| 12H | 28.1 | 28.8 | 28.5 | 29.2 | 29.7 | 27.8 | 28.6 | 28.3 | 29.0 | 29.4 |
| 8H 4H | 28.2 | 29.0 | 28.6 | 29.4 | 29.8 | 28.0 | 28.8 | 28.4 | 29.2 | 29.6 |
| 6H | 28.2 | 28.9 | 28.7 | 29.3 | 29.8 | 28.0 | 28.7 | 28.5 | 29.1 | 29.6 |
| 8H | 28.2 | 28.8 | 28.7 | 29.2 | 29.7 | 28.0 | 28.6 | 28.5 | 29.0 | 29.5 |
| 12H | 28.2 | 28.7 | 28.7 | 29.2 | 29.7 | 28.0 | 28.5 | 28.5 | 28.9 | 29.4 |
| 12H 4H | 28.1 | 28.9 | 28.6 | 29.3 | 29.7 | 27.9 | 28.7 | 28.4 | 29.1 | 29.5 |
| 6H | 28.2 | 28.8 | 28.7 | 29.2 | 29.7 | 28.0 | 28.5 | 28.4 | 29.0 | 29.5 |
| 8H | 28.2 | 28.7 | 28.7 | 29.2 | 29.7 | 27.9 | 28.5 | 28.5 | 28.9 | 29.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.5 | | | | |
| 2.0H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 1031 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
Area: 0.007 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

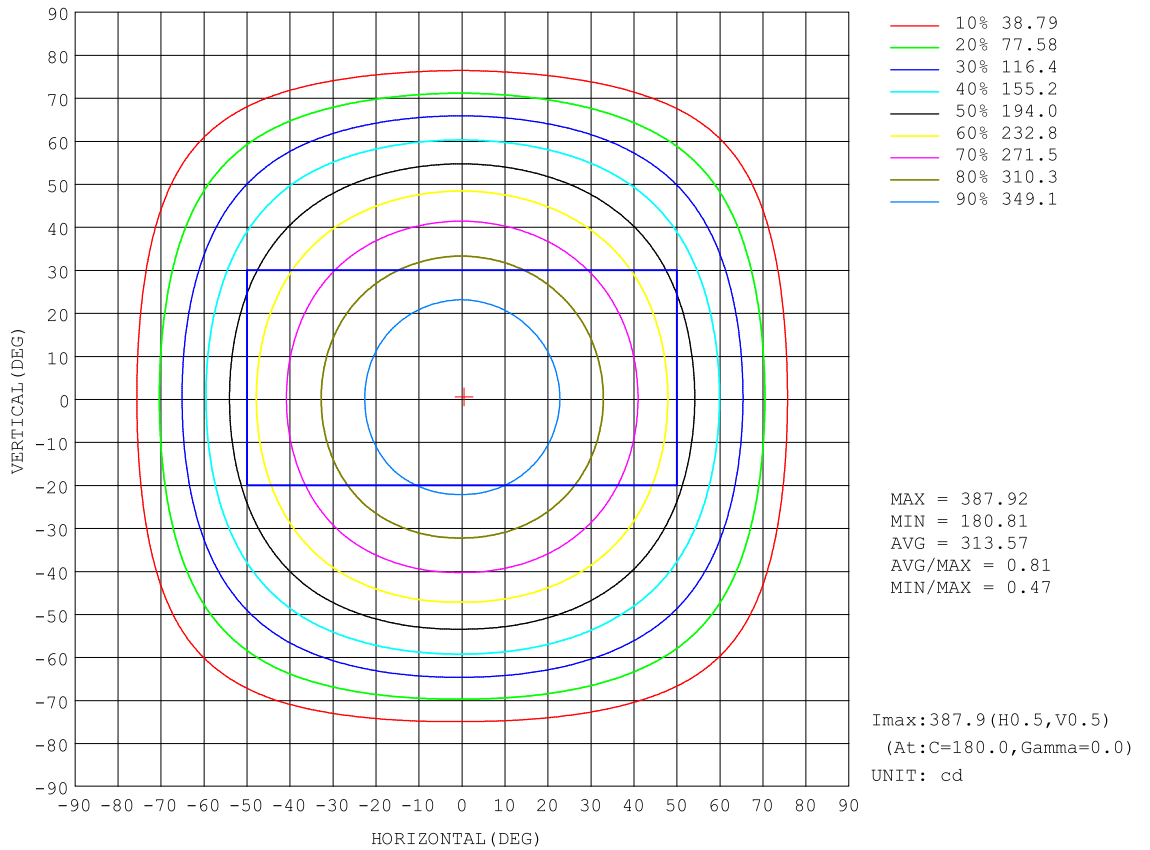
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 59 | 47 | 41 | 58 | 47 | 40 | 57 | 47 | 40 | 34 |
| 0.80 | 69 | 58 | 51 | 68 | 57 | 50 | 66 | 56 | 50 | 43 |
| 1.00 | 78 | 67 | 60 | 76 | 66 | 60 | 74 | 67 | 59 | 52 |
| 1.25 | 85 | 75 | 68 | 83 | 74 | 67 | 80 | 72 | 67 | 59 |
| 1.50 | 90 | 80 | 74 | 88 | 79 | 73 | 85 | 77 | 72 | 64 |
| 2.00 | 96 | 88 | 82 | 94 | 87 | 81 | 91 | 85 | 80 | 72 |
| 2.50 | 100 | 93 | 87 | 98 | 91 | 86 | 94 | 88 | 84 | 76 |
| 3.00 | 103 | 97 | 92 | 101 | 95 | 91 | 97 | 92 | 88 | 80 |
| 4.00 | 107 | 102 | 98 | 105 | 100 | 96 | 100 | 96 | 93 | 84 |
| 5.00 | 109 | 105 | 101 | 107 | 103 | 99 | 102 | 99 | 96 | 87 |
| 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:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

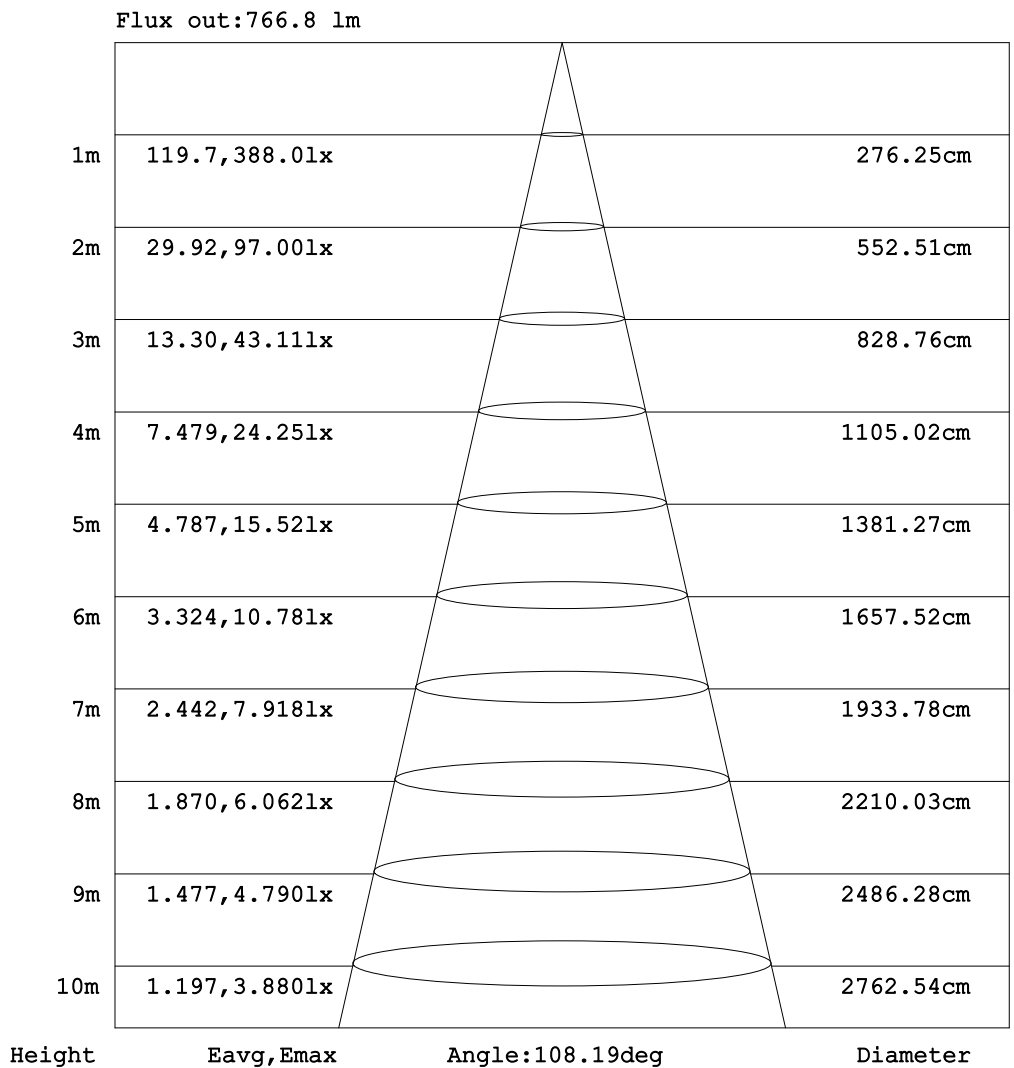


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |



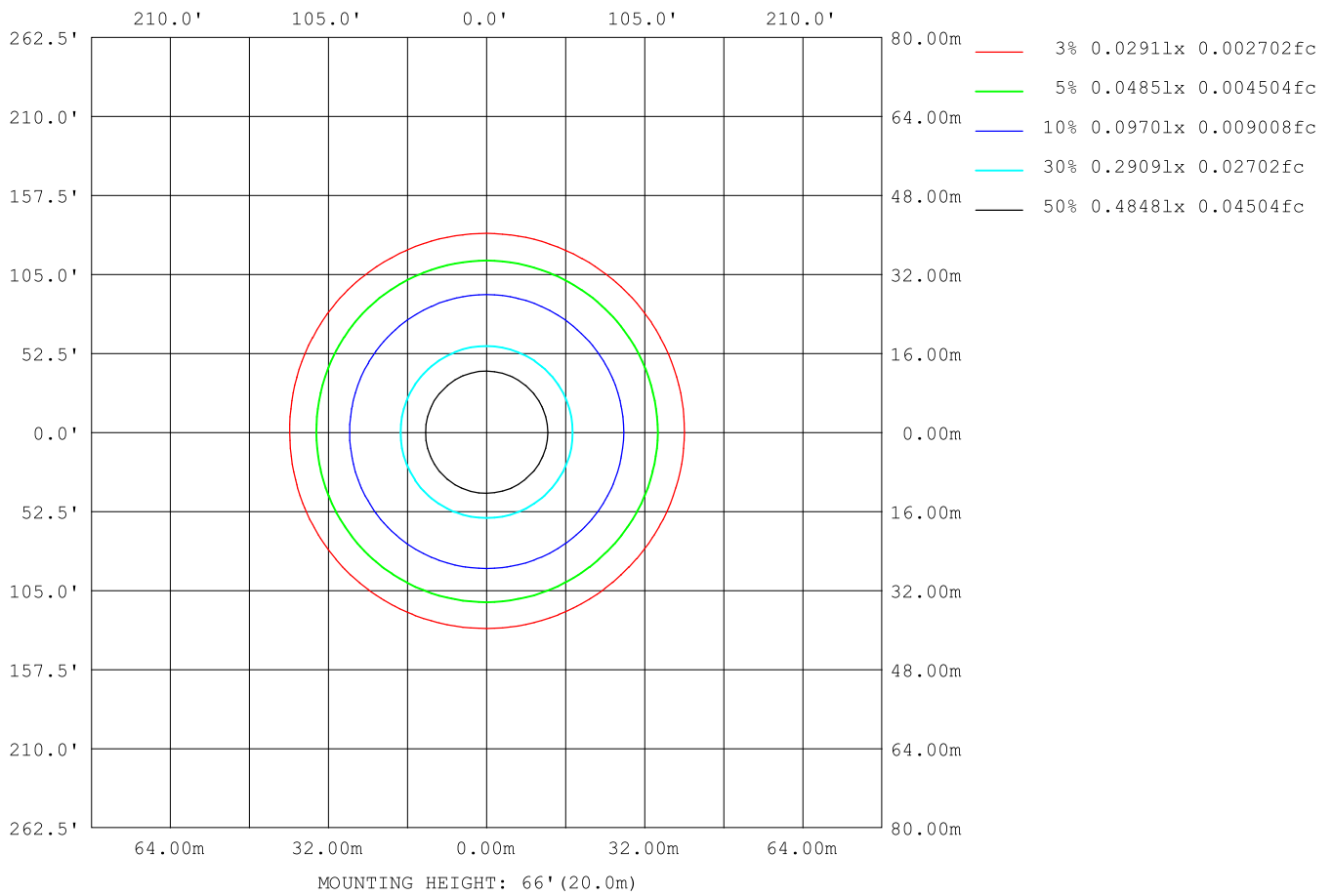
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

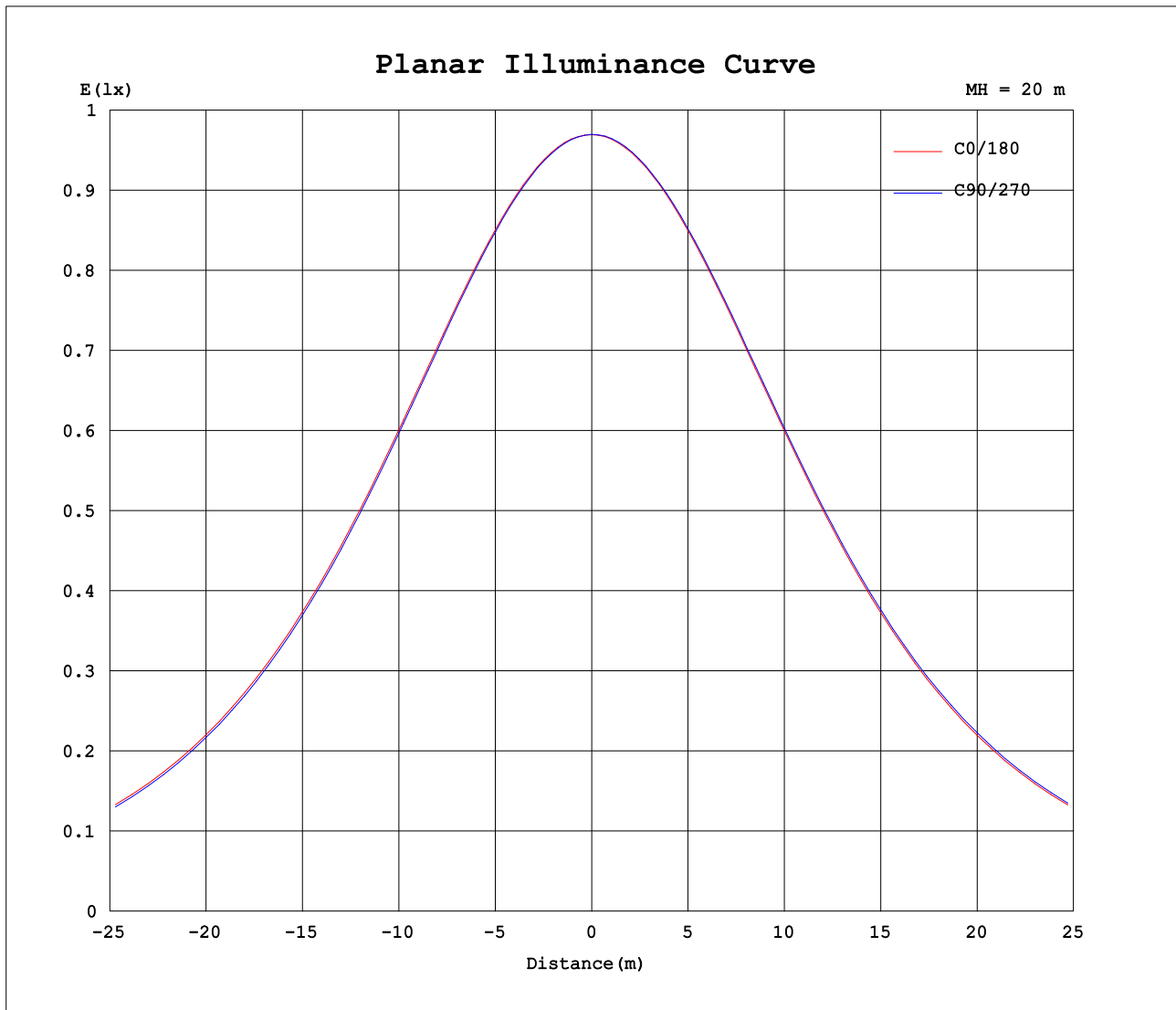
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 39857 |
| L_0~180 (75) av | 23996 |
| L_0~180 (85) av | 6036 |
| L_90~270 (65) av | 39930 |
| L_90~270 (75) av | 24065 |
| L_90~270 (85) av | 6307 |
| L_45 (65) av | 39997 |
| L_45 (75) av | 24058 |
| L_45 (85) av | 7066 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [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: 2024-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------|------------------|
| Test:U:120.10V I:0.1400A P:15.200W PF:0.9070 Freq:60.00Hz Lamp Flux:1031.42x1 lm | | |
| NAME: 6 inch Smooth Retrofit Downlight | TYPE: | WEIGHT: |
| SPEC.:5000K | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:0.096 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 388 | 388 | 388 | 388 | 388 | 388 | 388 | 388 | | | | | | | | | | | |
| 5 | 386 | 386 | 385 | 386 | 386 | 386 | 386 | 386 | | | | | | | | | | | |
| 10 | 380 | 380 | 379 | 380 | 380 | 380 | 381 | 380 | | | | | | | | | | | |
| 15 | 371 | 370 | 369 | 371 | 370 | 371 | 371 | 370 | | | | | | | | | | | |
| 20 | 358 | 357 | 356 | 358 | 357 | 358 | 359 | 357 | | | | | | | | | | | |
| 25 | 342 | 340 | 339 | 342 | 341 | 342 | 343 | 341 | | | | | | | | | | | |
| 30 | 323 | 321 | 320 | 323 | 322 | 323 | 324 | 322 | | | | | | | | | | | |
| 35 | 301 | 299 | 298 | 301 | 300 | 302 | 303 | 300 | | | | | | | | | | | |
| 40 | 277 | 274 | 273 | 276 | 276 | 277 | 279 | 276 | | | | | | | | | | | |
| 45 | 250 | 247 | 246 | 249 | 249 | 251 | 252 | 249 | | | | | | | | | | | |
| 50 | 220 | 217 | 216 | 220 | 220 | 221 | 223 | 220 | | | | | | | | | | | |
| 55 | 188 | 186 | 184 | 188 | 188 | 190 | 192 | 189 | | | | | | | | | | | |
| 60 | 155 | 150 | 150 | 152 | 152 | 157 | 157 | 155 | | | | | | | | | | | |
| 65 | 119 | 114 | 114 | 117 | 117 | 122 | 123 | 120 | | | | | | | | | | | |
| 70 | 81.0 | 77.2 | 75.3 | 80.0 | 80.4 | 84.5 | 86.2 | 81.6 | | | | | | | | | | | |
| 75 | 43.7 | 40.1 | 38.2 | 42.8 | 43.2 | 46.9 | 49.0 | 44.6 | | | | | | | | | | | |
| 80 | 10.6 | 10.2 | 7.73 | 11.8 | 8.57 | 14.1 | 15.6 | 12.4 | | | | | | | | | | | |
| 85 | 4.25 | 4.38 | 3.55 | 4.60 | 3.11 | 4.20 | 4.14 | 4.07 | | | | | | | | | | | |
| 90 | 2.09 | 2.10 | 2.10 | 2.10 | 1.22 | 1.24 | 1.25 | 1.24 | | | | | | | | | | | |
| 95 | 2.21 | 2.23 | 2.22 | 2.23 | 1.41 | 1.39 | 1.39 | 1.39 | | | | | | | | | | | |
| 100 | 2.34 | 2.37 | 2.37 | 2.38 | 1.61 | 1.58 | 1.59 | 1.61 | | | | | | | | | | | |
| 105 | 2.49 | 2.51 | 2.52 | 2.52 | 1.85 | 1.81 | 1.82 | 1.83 | | | | | | | | | | | |
| 110 | 2.64 | 2.65 | 2.66 | 2.66 | 2.08 | 2.04 | 2.05 | 2.05 | | | | | | | | | | | |
| 115 | 2.77 | 2.79 | 2.80 | 2.79 | 2.31 | 2.26 | 2.28 | 2.28 | | | | | | | | | | | |
| 120 | 2.89 | 2.90 | 2.92 | 2.91 | 2.52 | 2.48 | 2.51 | 2.50 | | | | | | | | | | | |
| 125 | 3.00 | 3.01 | 3.03 | 3.01 | 2.74 | 2.70 | 2.73 | 2.72 | | | | | | | | | | | |
| 130 | 3.10 | 3.11 | 3.13 | 3.11 | 2.95 | 2.90 | 2.94 | 2.93 | | | | | | | | | | | |
| 135 | 3.21 | 3.23 | 3.25 | 3.23 | 3.16 | 3.11 | 3.15 | 3.15 | | | | | | | | | | | |
| 140 | 3.35 | 3.38 | 3.39 | 3.38 | 3.37 | 3.33 | 3.36 | 3.36 | | | | | | | | | | | |
| 145 | 3.52 | 3.55 | 3.57 | 3.55 | 3.59 | 3.55 | 3.57 | 3.59 | | | | | | | | | | | |
| 150 | 3.71 | 3.74 | 3.76 | 3.75 | 3.81 | 3.77 | 3.79 | 3.80 | | | | | | | | | | | |
| 155 | 3.91 | 3.94 | 3.96 | 3.95 | 4.02 | 3.97 | 4.00 | 4.00 | | | | | | | | | | | |
| 160 | 4.11 | 4.12 | 4.15 | 4.14 | 4.22 | 4.16 | 4.20 | 4.18 | | | | | | | | | | | |
| 165 | 4.30 | 4.29 | 4.32 | 4.31 | 4.40 | 4.33 | 4.37 | 4.35 | | | | | | | | | | | |
| 170 | 4.45 | 4.44 | 4.46 | 4.45 | 4.54 | 4.47 | 4.51 | 4.48 | | | | | | | | | | | |
| 175 | 4.58 | 4.55 | 4.58 | 4.56 | 4.63 | 4.56 | 4.61 | 4.58 | | | | | | | | | | | |
| 180 | 4.65 | 4.61 | 4.64 | 4.62 | 4.66 | 4.61 | 4.64 | 4.62 | | | | | | | | | | | |

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