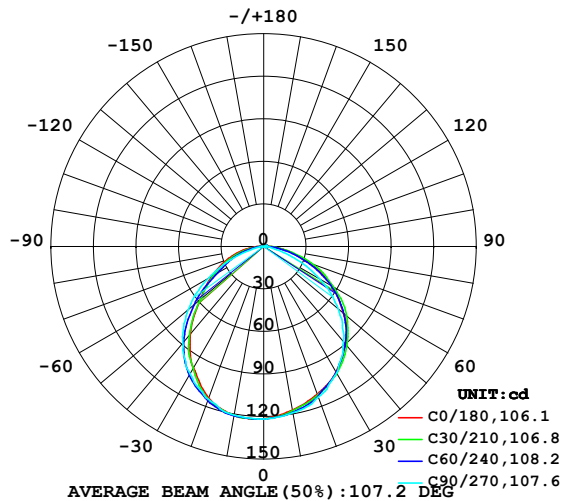


LUMINAIRE PHOTOMETRIC TEST REPORT

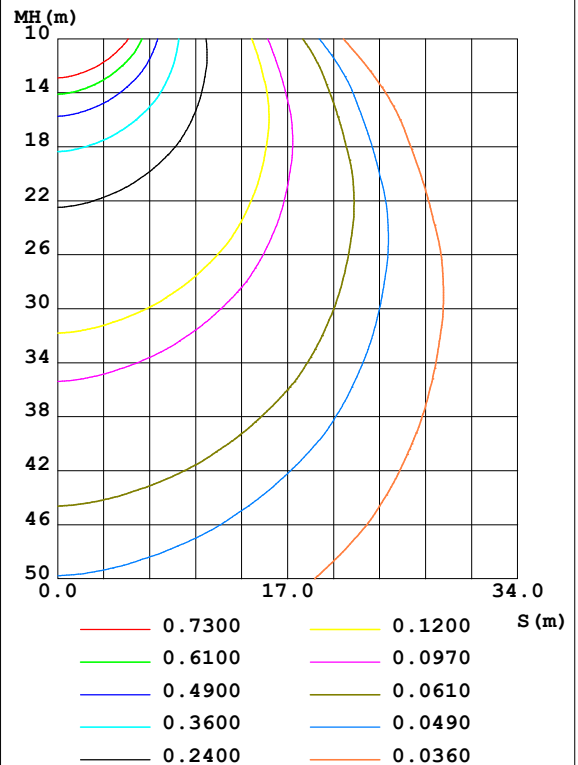
| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 59.58 lm/W | | | |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL | 5050 | I _{max} (cd) | 122.0 | S/MH(C0/180) | 1.22 |
| NOMINAL POWER(W) | 12 | LOR(%) | 100.0 | S/MH(C90/270) | 1.27 |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 336.74 | η UP,DN(C0-180) | 0.9,48.7 |
| NOMINAL FLUX(lm) | 4.81052 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.6,49.8 |
| LAMPS INSIDE | 70 | η up(%) | 1.5 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 24 | η down(%) | 98.5 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [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 | 117.1 | 118.2 | 119.1 | 119.4 | 121.0 | 121.2 | 120.8 | 120.1 | 0- 10 | 11.51 | 11.51 | 3.42,3.42 |
| 20 | 110.8 | 112.0 | 113.0 | 112.1 | 113.7 | 115.0 | 114.7 | 114.1 | 10- 20 | 33.04 | 44.55 | 13.2,13.2 |
| 30 | 102.2 | 102.9 | 103.0 | 98.46 | 99.11 | 102.3 | 103.8 | 105.5 | 20- 30 | 49.80 | 94.35 | 28,28 |
| 40 | 89.53 | 90.48 | 87.60 | 79.45 | 80.50 | 84.69 | 88.80 | 94.56 | 30- 40 | 59.53 | 153.9 | 45.7,45.7 |
| 50 | 73.44 | 75.13 | 68.70 | 57.52 | 58.40 | 61.24 | 69.76 | 79.81 | 40- 50 | 60.09 | 214.0 | 63.5,63.5 |
| 60 | 56.42 | 55.61 | 45.43 | 36.35 | 42.22 | 39.29 | 44.94 | 61.10 | 50- 60 | 51.97 | 265.9 | 79,79 |
| 70 | 34.25 | 35.14 | 21.18 | 21.54 | 27.72 | 23.67 | 20.32 | 40.11 | 60- 70 | 37.74 | 303.7 | 90.2,90.2 |
| 80 | 15.84 | 15.15 | 4.821 | 8.591 | 14.00 | 9.867 | 3.426 | 18.91 | 70- 80 | 20.89 | 324.6 | 96.4,96.4 |
| 90 | 3.817 | 3.462 | 1.121 | 2.058 | 3.310 | 1.856 | 0.5629 | 4.483 | 80- 90 | 7.083 | 331.7 | 98.5,98.5 |
| 100 | 1.382 | 1.759 | 1.338 | 1.935 | 1.056 | 1.304 | 0.8184 | 1.249 | 90-100 | 1.882 | 333.5 | 99,99 |
| 110 | 1.488 | 1.852 | 1.523 | 2.018 | 1.226 | 1.458 | 0.9348 | 1.339 | 100-110 | 1.538 | 335.1 | 99.5,99.5 |
| 120 | 1.643 | 1.842 | 1.658 | 2.133 | 1.347 | 1.588 | 1.121 | 1.264 | 110-120 | 1.590 | 336.7 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0.0765 | 336.7 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 336.7 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 336.7 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 336.7 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 336.7 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 336.7 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 184.46 lm

%lum = 54.8%

%lamp = 54.8%

Conical surface Flux(120deg): 265.94 lm

%lum = 79.0%

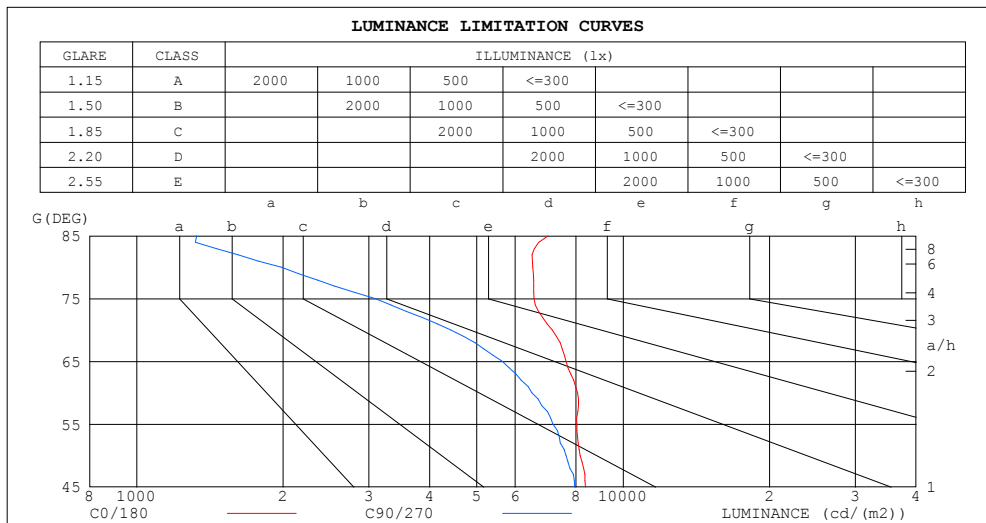
%lamp = 79.0%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 7010 | 1328 |
| 80 | 6514 | 1983 |
| 75 | 6556 | 3092 |
| 70 | 7153 | 4423 |
| 65 | 7635 | 5642 |
| 60 | 8060 | 6489 |
| 55 | 8028 | 7171 |
| 50 | 8161 | 7634 |
| 45 | 8366 | 7949 |

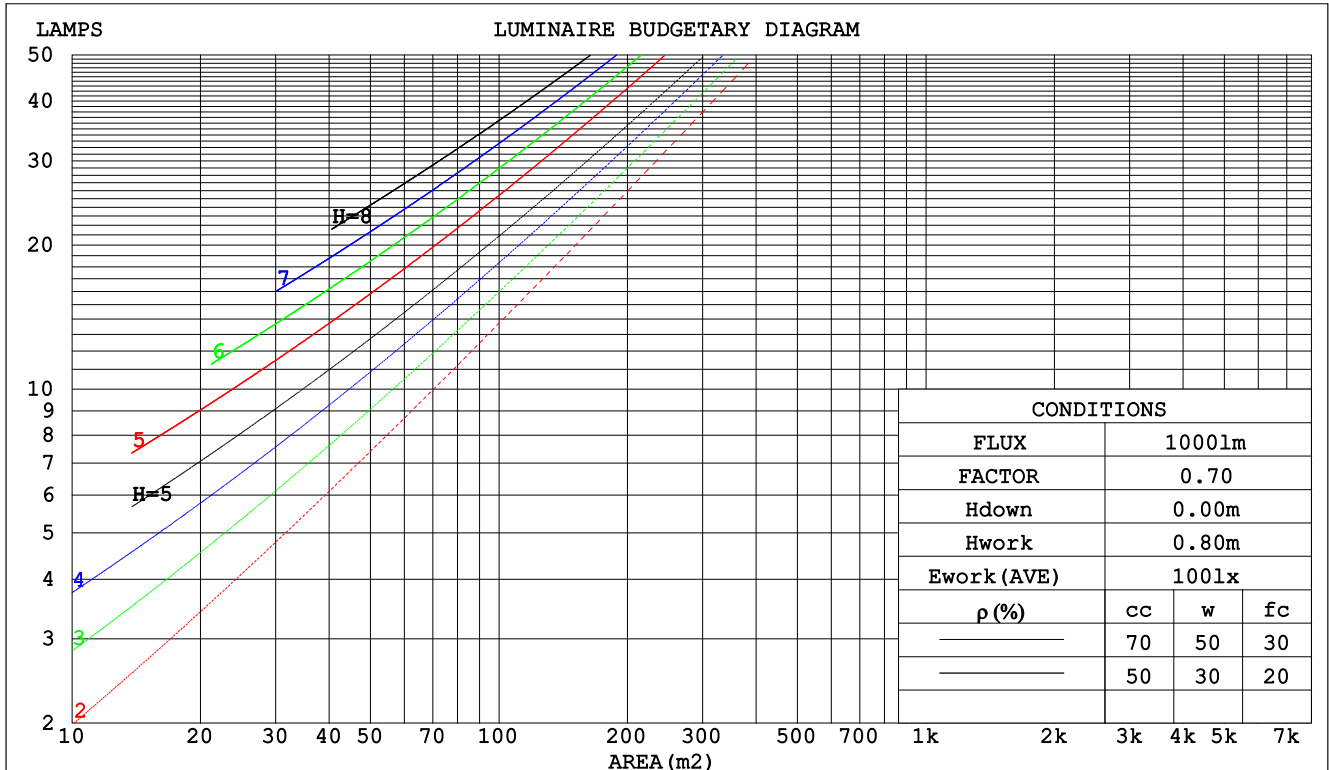
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

| 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 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.04 | .00 | .96 | 1.01 | .98 | .94 | .97 | .94 | .91 | .93 | .90 | .88 | .89 | .87 | .85 | .83 |
| 2.0 | .91 | .84 | .78 | .89 | .82 | .77 | .85 | .80 | .75 | .81 | .77 | .73 | .78 | .75 | .71 | .69 |
| 3.0 | .80 | .72 | .65 | .78 | .71 | .65 | .75 | .69 | .63 | .72 | .67 | .62 | .69 | .65 | .61 | .59 |
| 4.0 | .71 | .62 | .56 | .69 | .61 | .55 | .67 | .60 | .54 | .64 | .58 | .53 | .62 | .57 | .52 | .50 |
| 5.0 | .63 | .54 | .48 | .62 | .54 | .48 | .60 | .53 | .47 | .58 | .51 | .46 | .56 | .50 | .46 | .43 |
| 6.0 | .57 | .48 | .42 | .56 | .48 | .42 | .54 | .47 | .41 | .52 | .46 | .41 | .51 | .45 | .40 | .38 |
| 7.0 | .52 | .43 | .37 | .51 | .43 | .37 | .49 | .42 | .36 | .48 | .41 | .36 | .46 | .40 | .36 | .34 |
| 8.0 | .47 | .39 | .33 | .47 | .39 | .33 | .45 | .38 | .33 | .44 | .37 | .32 | .42 | .37 | .32 | .30 |
| 9.0 | .43 | .35 | .30 | .43 | .35 | .30 | .42 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .40 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .27 | .36 | .31 | .26 | .25 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

| 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 | .305 | .173 | .055 | .297 | .170 | .054 | .283 | .162 | .052 | .270 | .156 | .050 | .258 | .150 | .048 | | |
| 2.0 | .286 | .157 | .048 | .279 | .154 | .047 | .267 | .148 | .046 | .255 | .143 | .045 | .245 | .138 | .044 | | |
| 3.0 | .265 | .141 | .042 | .259 | .139 | .042 | .248 | .134 | .041 | .238 | .130 | .040 | .228 | .126 | .039 | | |
| 4.0 | .245 | .127 | .037 | .239 | .125 | .037 | .230 | .122 | .036 | .221 | .118 | .036 | .212 | .115 | .035 | | |
| 5.0 | .227 | .115 | .033 | .222 | .114 | .033 | .213 | .111 | .033 | .205 | .108 | .032 | .197 | .106 | .032 | | |
| 6.0 | .210 | .105 | .030 | .206 | .104 | .030 | .198 | .102 | .030 | .191 | .099 | .029 | .184 | .097 | .029 | | |
| 7.0 | .196 | .097 | .027 | .192 | .096 | .027 | .185 | .094 | .027 | .179 | .092 | .027 | .173 | .090 | .026 | | |
| 8.0 | .183 | .090 | .025 | .180 | .089 | .025 | .174 | .087 | .025 | .168 | .085 | .025 | .162 | .083 | .024 | | |
| 9.0 | .172 | .083 | .023 | .169 | .082 | .023 | .163 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 | | |
| 10.0 | .162 | .078 | .022 | .159 | .077 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .145 | .073 | .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 | .202 | .202 | .202 | .173 | .173 | .173 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .192 | .168 | .146 | .164 | .144 | .126 | .112 | .099 | .087 | .065 | .057 | .051 | .021 | .018 | .016 | |
| 2.0 | .183 | .144 | .110 | .157 | .124 | .095 | .107 | .086 | .067 | .062 | .050 | .039 | .020 | .016 | .013 | |
| 3.0 | .175 | .126 | .087 | .150 | .109 | .075 | .103 | .076 | .053 | .060 | .044 | .031 | .019 | .014 | .010 | |
| 4.0 | .168 | .113 | .071 | .144 | .097 | .061 | .099 | .068 | .043 | .057 | .040 | .026 | .018 | .013 | .008 | |
| 5.0 | .160 | .102 | .060 | .138 | .088 | .052 | .095 | .062 | .037 | .055 | .036 | .022 | .018 | .012 | .007 | |
| 6.0 | .153 | .094 | .051 | .132 | .081 | .045 | .091 | .057 | .032 | .053 | .033 | .019 | .017 | .011 | .006 | |
| 7.0 | .146 | .087 | .045 | .126 | .075 | .040 | .087 | .053 | .028 | .051 | .031 | .017 | .016 | .010 | .006 | |
| 8.0 | .140 | .081 | .041 | .120 | .070 | .036 | .083 | .049 | .025 | .048 | .029 | .015 | .016 | .010 | .005 | |
| 9.0 | .134 | .076 | .037 | .115 | .066 | .033 | .080 | .047 | .023 | .047 | .027 | .014 | .015 | .009 | .005 | |
| 10.0 | .128 | .072 | .035 | .111 | .063 | .030 | .077 | .044 | .021 | .045 | .026 | .013 | .015 | .009 | .004 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|------|---------------|----------------|------------------|------|------|------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | | | | | | | | | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: | | | | | | DIM.: | | SERIAL No.: | | | |
| MFR.: EVERFINE | | | | | | SUR.:1*0.014 | | 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 | | 24.2 | 25.7 | 24.5 | 25.9 | 26.2 | 23.7 | 25.2 | 24.0 | 25.4 | 25.6 |
| | 3H | 25.8 | 27.2 | 26.1 | 27.4 | 27.7 | 24.7 | 26.1 | 25.1 | 26.4 | 26.6 |
| | 4H | 26.4 | 27.7 | 26.7 | 28.0 | 28.2 | 25.0 | 26.3 | 25.3 | 26.6 | 26.9 |
| | 6H | 26.9 | 28.1 | 27.2 | 28.4 | 28.7 | 25.1 | 26.3 | 25.4 | 26.6 | 26.9 |
| | 8H | 27.0 | 28.2 | 27.4 | 28.5 | 28.8 | 25.1 | 26.2 | 25.4 | 26.5 | 26.9 |
| | 12H | 27.2 | 28.3 | 27.6 | 28.6 | 29.0 | 25.0 | 26.2 | 25.4 | 26.5 | 26.8 |
| 4H | 2H | 24.8 | 26.1 | 25.2 | 26.4 | 26.7 | 24.4 | 25.7 | 24.8 | 26.0 | 26.3 |
| | 3H | 26.6 | 27.8 | 27.0 | 28.1 | 28.4 | 25.7 | 26.9 | 26.1 | 27.2 | 27.5 |
| | 4H | 27.4 | 28.4 | 27.8 | 28.7 | 29.1 | 26.2 | 27.2 | 26.6 | 27.5 | 27.9 |
| | 6H | 28.0 | 28.9 | 28.4 | 29.3 | 29.7 | 26.4 | 27.3 | 26.8 | 27.7 | 28.1 |
| | 8H | 28.2 | 29.1 | 28.7 | 29.5 | 29.9 | 26.4 | 27.2 | 26.8 | 27.6 | 28.1 |
| | 12H | 28.4 | 29.2 | 28.9 | 29.6 | 30.1 | 26.4 | 27.2 | 26.8 | 27.6 | 28.0 |
| 8H | 4H | 27.6 | 28.5 | 28.0 | 28.9 | 29.3 | 26.6 | 27.4 | 27.0 | 27.8 | 28.2 |
| | 6H | 28.4 | 29.1 | 28.9 | 29.5 | 30.0 | 27.0 | 27.7 | 27.4 | 28.1 | 28.6 |
| | 8H | 28.8 | 29.4 | 29.2 | 29.8 | 30.3 | 27.1 | 27.7 | 27.6 | 28.2 | 28.7 |
| | 12H | 29.1 | 29.6 | 29.6 | 30.1 | 30.6 | 27.2 | 27.7 | 27.7 | 28.2 | 28.7 |
| 12H | 4H | 27.6 | 28.4 | 28.1 | 28.8 | 29.2 | 26.6 | 27.4 | 27.1 | 27.8 | 28.2 |
| | 6H | 28.5 | 29.1 | 28.9 | 29.5 | 30.0 | 27.1 | 27.7 | 27.6 | 28.2 | 28.7 |
| | 8H | 28.9 | 29.4 | 29.4 | 29.9 | 30.4 | 27.3 | 27.8 | 27.8 | 28.3 | 28.8 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.3 | | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.5 | | | | | |
| 2.0H | + 0.1 / - 0.4 | | | | | + 0.2 / - 0.5 | | | | | |

CIE Pub.117, 336.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.8)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

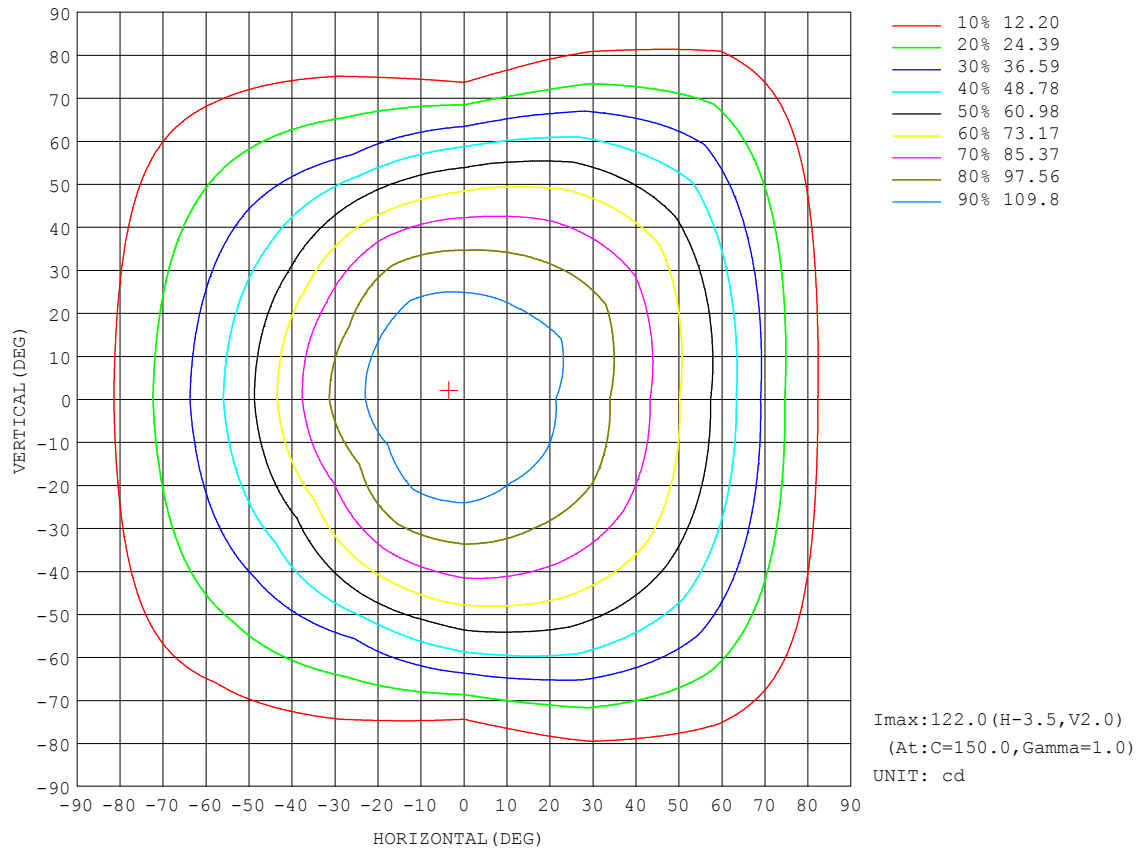
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) k(RI) × RCR = 5 | | | | | | | | | |
| k = 0.60 | 58 | 47 | 40 | 57 | 46 | 40 | 56 | 46 | 39 | 33 |
| 0.80 | 68 | 57 | 49 | 67 | 56 | 49 | 65 | 55 | 49 | 42 |
| 1.00 | 76 | 65 | 58 | 75 | 65 | 58 | 73 | 66 | 57 | 50 |
| 1.25 | 83 | 73 | 66 | 82 | 72 | 66 | 79 | 71 | 65 | 57 |
| 1.50 | 88 | 79 | 72 | 87 | 78 | 71 | 83 | 76 | 70 | 62 |
| 2.00 | 95 | 87 | 80 | 93 | 85 | 79 | 89 | 83 | 78 | 70 |
| 2.50 | 99 | 91 | 85 | 97 | 90 | 84 | 93 | 87 | 82 | 74 |
| 3.00 | 102 | 95 | 90 | 100 | 94 | 89 | 96 | 91 | 86 | 78 |
| 4.00 | 106 | 100 | 96 | 104 | 98 | 94 | 99 | 95 | 91 | 82 |
| 5.00 | 108 | 104 | 99 | 106 | 101 | 98 | 101 | 98 | 95 | 85 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | | | | | | | |
| Suspended | | | | | | | | | | |
| SHRNM = 1.25 | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

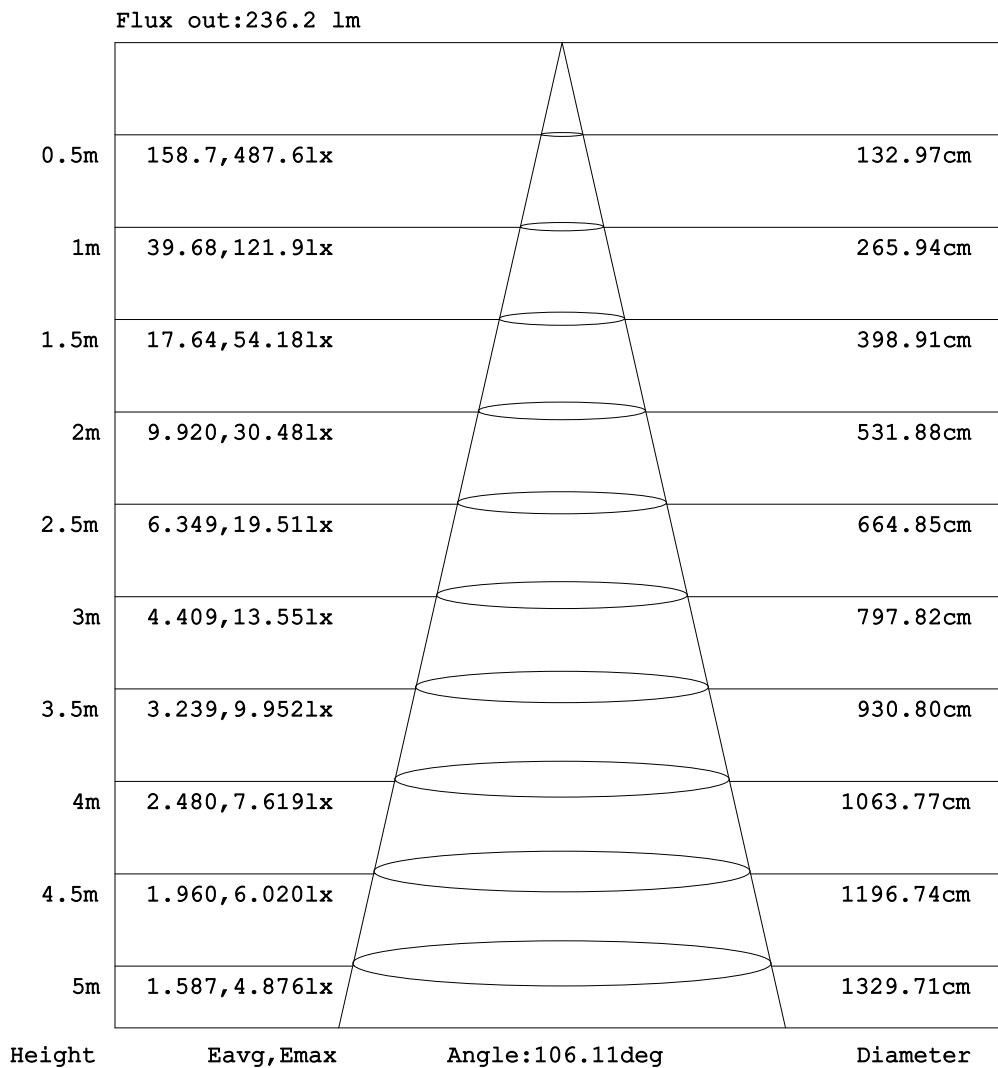


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |



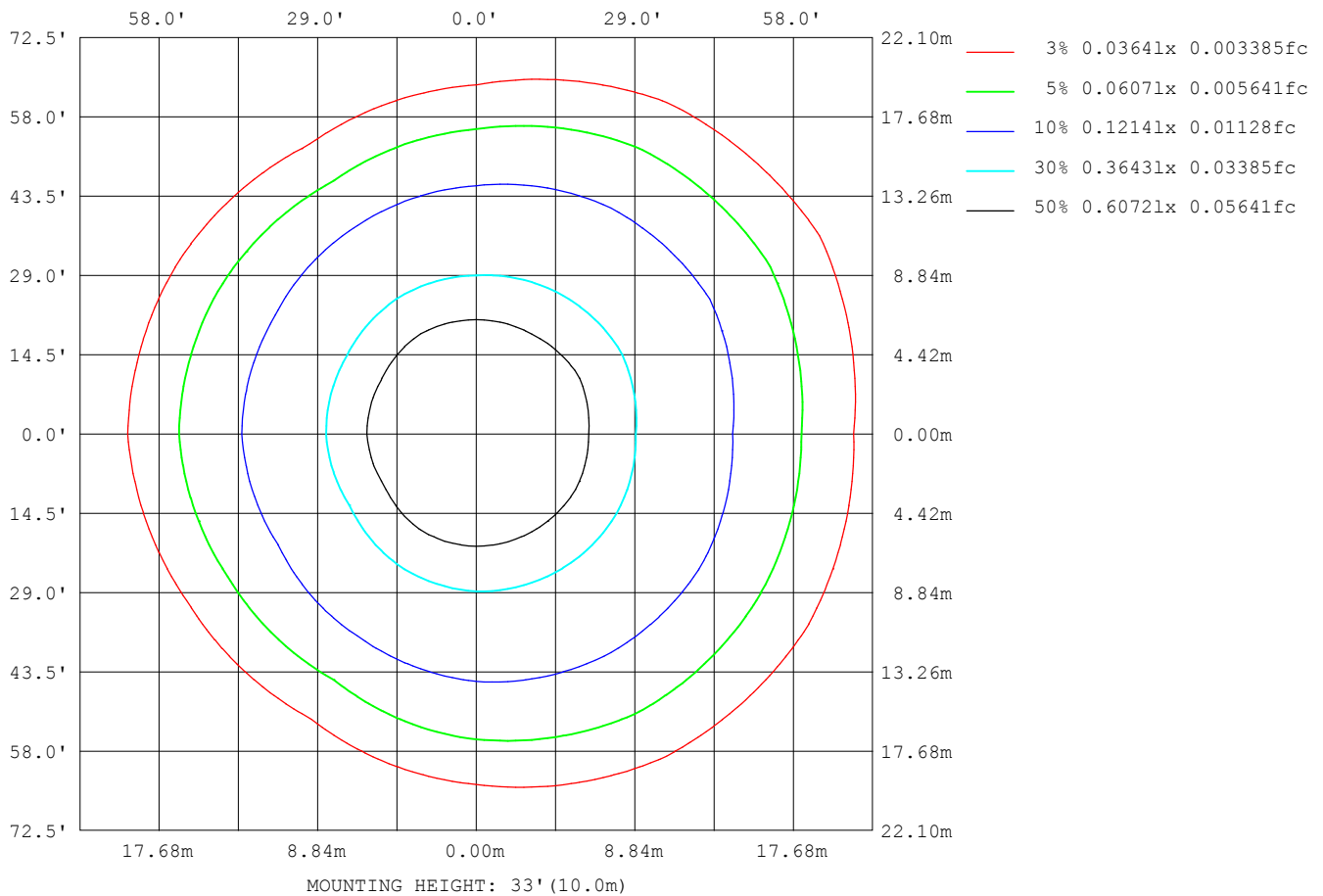
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-10-20

γ Range: 0 - 120DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

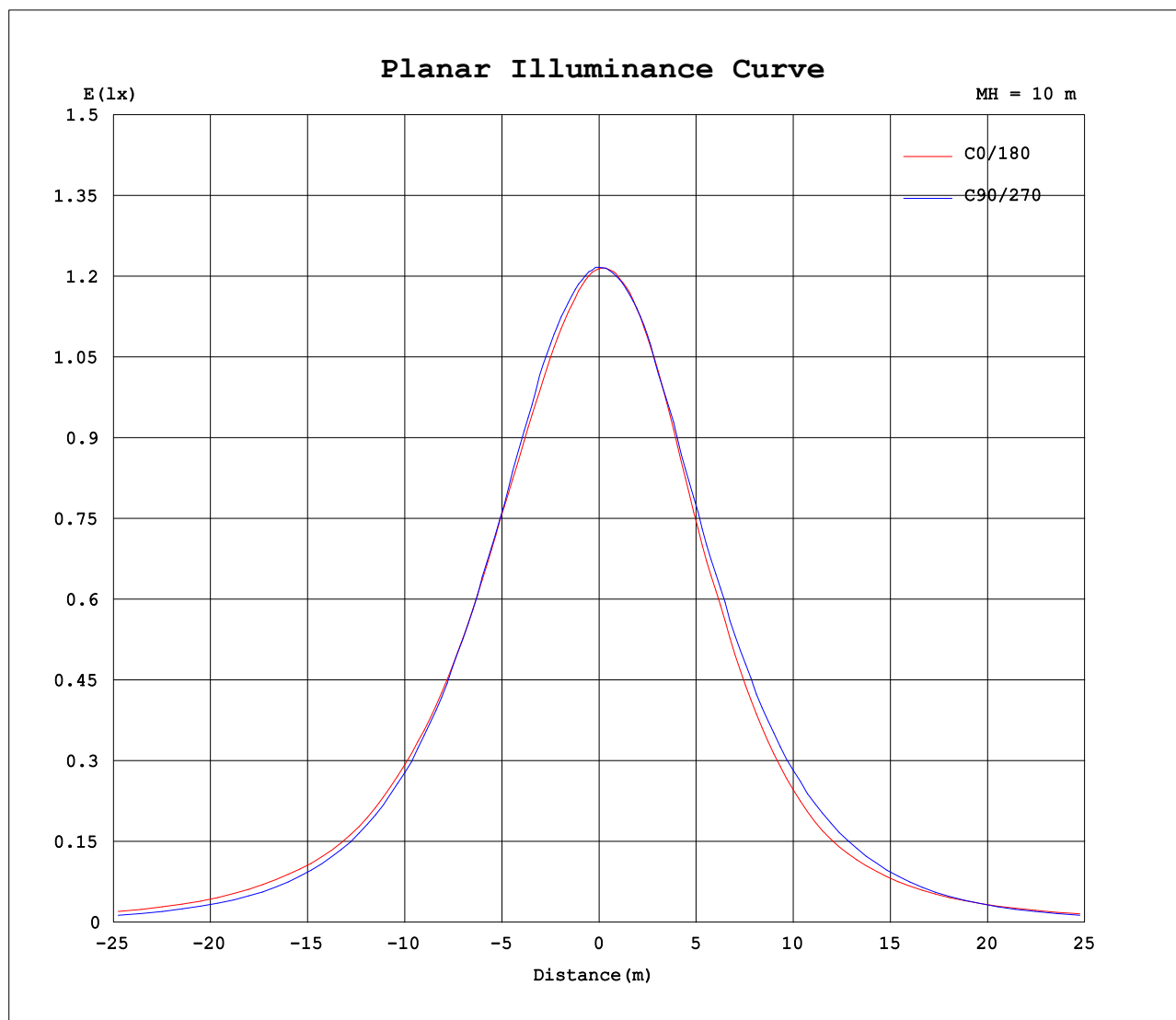
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 6759 |
| L_0~180 (75) av | 6138 |
| L_0~180 (85) av | 6748 |
| L_90~270 (65) av | 5558 |
| L_90~270 (75) av | 2894 |
| L_90~270 (85) av | 1023 |
| L_45 (65) av | 6631 |
| L_45 (75) av | 6003 |
| L_45 (85) av | 5733 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LPC
Test Date: 2021-10-20

γ Range: 0 - 120DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------------|------------------|
| Test:U:24.00V I:0.2355A P:5.652W PF:1.000 Freq:50.00Hz Lamp Flux:4.81052x70 lm | | |
| NAME: P01-24V-5050-70-SPI-RGBW(4000K)-G | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: EVERFINE | SUR.:1*0.014 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 121 | 122 | 122 | 122 | 122 | 122 | 121 | 122 | 122 | 122 | 122 | 122 | | | | | | |
| 5 | 120 | 120 | 121 | 121 | 121 | 121 | 121 | 122 | 122 | 122 | 121 | 121 | | | | | | |
| 10 | 117 | 118 | 119 | 119 | 120 | 119 | 121 | 121 | 121 | 121 | 121 | 120 | | | | | | |
| 15 | 114 | 115 | 116 | 117 | 117 | 116 | 118 | 119 | 119 | 119 | 119 | 117 | | | | | | |
| 20 | 111 | 112 | 113 | 113 | 114 | 110 | 114 | 115 | 116 | 115 | 114 | 114 | | | | | | |
| 25 | 107 | 108 | 107 | 108 | 108 | 103 | 107 | 108 | 111 | 110 | 109 | 111 | | | | | | |
| 30 | 102 | 103 | 102 | 103 | 101 | 95.5 | 99.1 | 99.5 | 105 | 104 | 104 | 107 | | | | | | |
| 35 | 96.2 | 97.8 | 96.0 | 95.9 | 93.1 | 86.6 | 90.6 | 92.3 | 97.4 | 97.0 | 98.7 | 102 | | | | | | |
| 40 | 89.5 | 91.3 | 89.6 | 87.6 | 83.3 | 75.5 | 80.5 | 81.6 | 87.8 | 88.8 | 92.8 | 96.3 | | | | | | |
| 45 | 82.8 | 84.1 | 82.4 | 78.7 | 72.2 | 64.0 | 69.7 | 70.4 | 76.6 | 80.0 | 85.9 | 89.5 | | | | | | |
| 50 | 73.4 | 76.4 | 73.8 | 68.7 | 61.2 | 53.8 | 58.4 | 58.4 | 64.1 | 69.8 | 77.9 | 81.7 | | | | | | |
| 55 | 64.5 | 67.6 | 64.5 | 57.6 | 46.8 | 45.5 | 50.3 | 49.2 | 51.3 | 58.4 | 69.0 | 73.9 | | | | | | |
| 60 | 56.4 | 56.7 | 54.5 | 45.4 | 35.6 | 37.1 | 42.2 | 40.9 | 37.6 | 44.9 | 58.5 | 63.7 | | | | | | |
| 65 | 45.2 | 47.7 | 43.6 | 33.4 | 28.1 | 29.6 | 34.8 | 32.8 | 29.3 | 32.4 | 47.3 | 53.2 | | | | | | |
| 70 | 34.3 | 37.6 | 32.7 | 21.2 | 20.8 | 22.3 | 27.7 | 25.2 | 22.1 | 20.3 | 36.1 | 44.1 | | | | | | |
| 75 | 23.8 | 26.4 | 22.6 | 11.2 | 14.0 | 15.4 | 20.7 | 17.9 | 14.9 | 9.77 | 25.3 | 32.8 | | | | | | |
| 80 | 15.8 | 16.6 | 13.7 | 4.82 | 8.11 | 9.07 | 14.0 | 11.1 | 8.61 | 3.43 | 15.7 | 22.2 | | | | | | |
| 85 | 8.55 | 8.99 | 6.75 | 1.62 | 3.78 | 4.47 | 7.91 | 5.53 | 3.85 | 0.88 | 7.72 | 12.9 | | | | | | |
| 90 | 3.82 | 4.29 | 2.64 | 1.12 | 2.04 | 2.07 | 3.31 | 2.19 | 1.53 | 0.56 | 2.72 | 6.25 | | | | | | |
| 95 | 1.65 | 1.95 | 1.84 | 1.20 | 1.93 | 1.86 | 1.14 | 1.26 | 1.35 | 0.62 | 1.32 | 2.46 | | | | | | |
| 100 | 1.38 | 1.68 | 1.83 | 1.34 | 1.96 | 1.91 | 1.06 | 1.25 | 1.36 | 0.82 | 1.32 | 1.18 | | | | | | |
| 105 | 1.41 | 1.75 | 1.68 | 1.51 | 1.80 | 2.00 | 1.14 | 1.32 | 1.28 | 0.93 | 1.19 | 1.17 | | | | | | |
| 110 | 1.49 | 1.82 | 1.88 | 1.52 | 1.98 | 2.05 | 1.23 | 1.40 | 1.51 | 0.93 | 1.44 | 1.24 | | | | | | |
| 115 | 1.56 | 1.88 | 2.03 | 1.59 | 2.10 | 2.11 | 1.31 | 1.49 | 1.59 | 1.02 | 1.44 | 1.25 | | | | | | |
| 120 | 1.64 | 1.90 | 1.78 | 1.66 | 2.13 | 2.14 | 1.35 | 1.57 | 1.61 | 1.12 | 1.21 | 1.32 | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

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