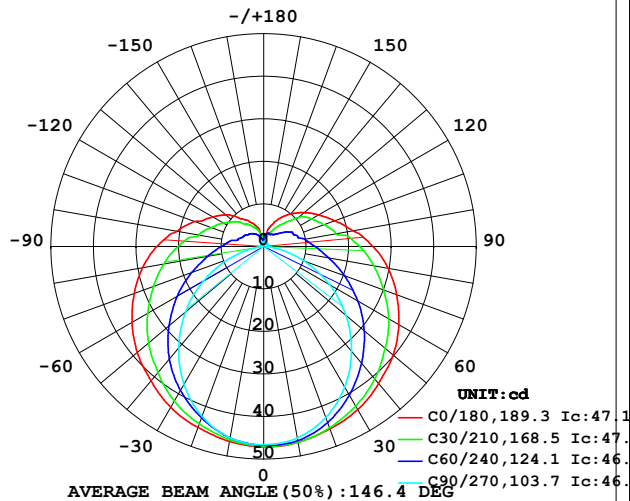


LUMINAIRE PHOTOMETRIC TEST REPORT

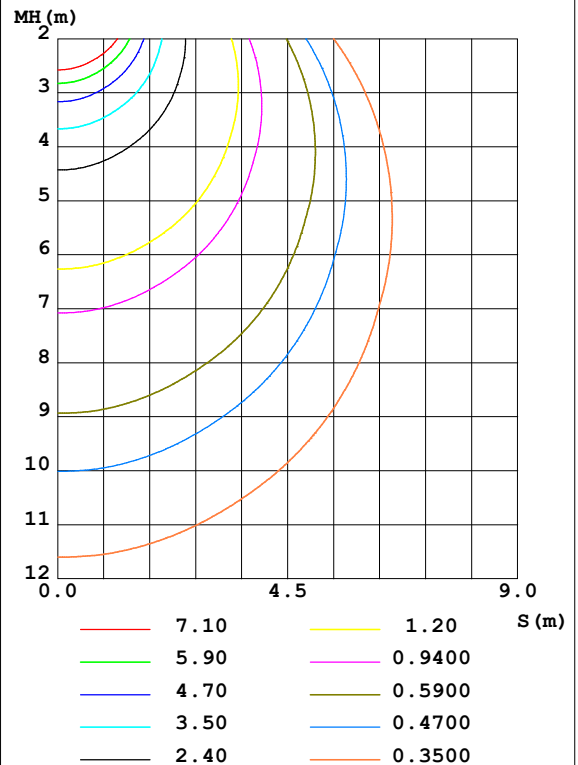
| | | |
|---|-------------------|-----------------------|
| Test:U:24.00V I:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 17.77 lm/W | | | |
|-------------------|---------|----------------------------------|---------|---------------------|------------|
| MODEL | 5050 | I _{max} (cd) | 47.11 | S/MH (C0/180) | 1.40 |
| NOMINAL POWER (W) | 15 | LOR (%) | 100.0 | S/MH (C90/270) | 1.20 |
| RATED VOLTAGE (V) | 24 | TOTAL FLUX (lm) | 234.39 | η UP, DN (C0-180) | 11.3, 38.6 |
| NOMINAL FLUX (lm) | 234.394 | CIE CLASS | SEMI-D. | η UP, DN (C180-360) | 11.5, 38.6 |
| LAMPS INSIDE | 1 | η up (%) | 22.8 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE (V) | 24 | η down (%) | 77.2 | CIBSE SHR MAX | 1.55 |

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: 2021-12-13

γ Range: 0 - 180DEG
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 | 46.73 | 46.54 | 45.71 | 45.42 | 46.52 | 45.90 | 45.67 | 46.39 | 0- 10 | 4.433 | 4.433 | 1.89,1.89 |
| 20 | 45.62 | 44.70 | 42.75 | 43.17 | 45.28 | 43.62 | 42.48 | 44.58 | 10- 20 | 12.77 | 17.20 | 7.34,7.34 |
| 30 | 44.27 | 41.82 | 38.15 | 39.98 | 43.70 | 40.57 | 37.49 | 41.73 | 20- 30 | 19.66 | 36.86 | 15.7,15.7 |
| 40 | 42.05 | 38.22 | 32.16 | 35.95 | 41.21 | 36.60 | 31.11 | 38.44 | 30- 40 | 24.50 | 61.37 | 26.2,26.2 |
| 50 | 39.74 | 34.07 | 25.27 | 31.45 | 38.79 | 32.21 | 24.03 | 34.50 | 40- 50 | 27.00 | 88.37 | 37.7,37.7 |
| 60 | 36.68 | 29.73 | 17.84 | 26.74 | 35.73 | 27.49 | 16.44 | 30.26 | 50- 60 | 27.18 | 115.5 | 49.3,49.3 |
| 70 | 33.27 | 25.13 | 10.18 | 22.10 | 32.40 | 22.79 | 8.891 | 25.80 | 60- 70 | 25.25 | 140.8 | 60.1,60.1 |
| 80 | 29.72 | 20.90 | 3.292 | 18.00 | 28.92 | 18.60 | 2.352 | 21.58 | 70- 80 | 21.91 | 162.7 | 69.4,69.4 |
| 90 | 25.71 | 17.33 | 0.6936 | 14.52 | 25.11 | 15.07 | 0.4711 | 18.02 | 80- 90 | 18.25 | 180.9 | 77.2,77.2 |
| 100 | 21.31 | 13.56 | 0.7793 | 11.32 | 20.78 | 11.74 | 0.5575 | 14.29 | 90-100 | 15.01 | 196.0 | 83.6,83.6 |
| 110 | 17.79 | 11.53 | 0.8389 | 8.993 | 17.30 | 9.426 | 0.6058 | 12.25 | 100-110 | 11.67 | 207.6 | 88.6,88.6 |
| 120 | 14.90 | 9.912 | 0.8946 | 7.699 | 13.91 | 8.130 | 0.6582 | 10.36 | 110-120 | 9.206 | 216.8 | 92.5,92.5 |
| 130 | 12.41 | 7.764 | 0.9500 | 6.485 | 11.61 | 6.833 | 0.7557 | 8.288 | 120-130 | 7.020 | 223.8 | 95.5,95.5 |
| 140 | 10.02 | 5.359 | 1.015 | 5.201 | 8.567 | 5.423 | 0.8393 | 6.132 | 130-140 | 4.830 | 228.7 | 97.6,97.6 |
| 150 | 7.682 | 3.977 | 1.157 | 3.998 | 6.673 | 4.392 | 0.9849 | 4.554 | 140-150 | 3.032 | 231.7 | 98.9,98.9 |
| 160 | 5.268 | 3.176 | 1.171 | 2.864 | 5.004 | 3.287 | 1.040 | 3.649 | 150-160 | 1.727 | 233.4 | 99.6,99.6 |
| 170 | 2.172 | 2.802 | 1.149 | 1.567 | 2.200 | 2.060 | 1.114 | 3.161 | 160-170 | 0.7733 | 234.2 | 99.9,99.9 |
| 180 | 1.191 | 1.174 | 1.126 | 1.166 | 1.181 | 1.161 | 1.196 | 1.181 | 170-180 | 0.1850 | 234.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 74.7 lm

%lum = 31.9%

%lamp = 31.9%

Conical surface Flux(120deg): 115.54 lm

%lum = 49.3%

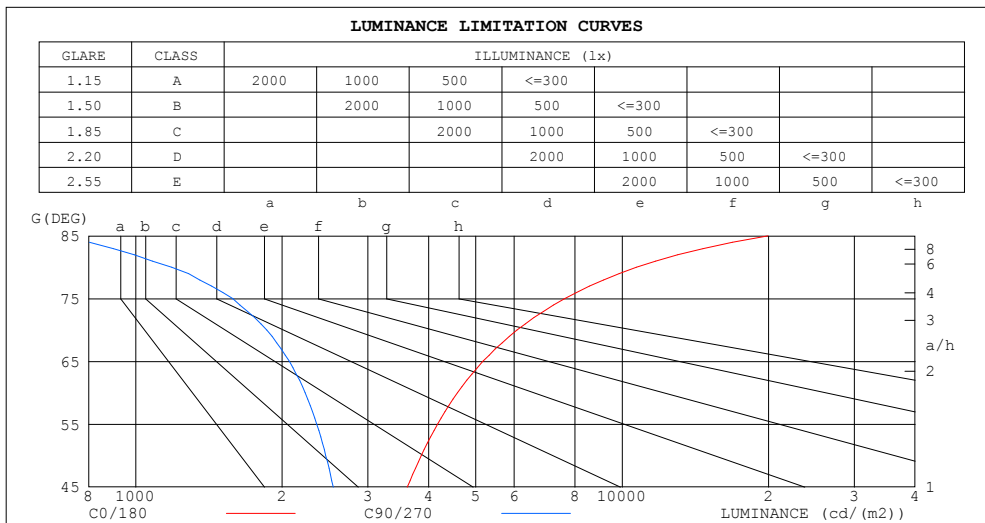
%lamp = 49.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 19937 | 666 |
| 80 | 10696 | 1185 |
| 75 | 7616 | 1583 |
| 70 | 6080 | 1859 |
| 65 | 5173 | 2069 |
| 60 | 4585 | 2230 |
| 55 | 4172 | 2356 |
| 50 | 3864 | 2457 |
| 45 | 3618 | 2546 |

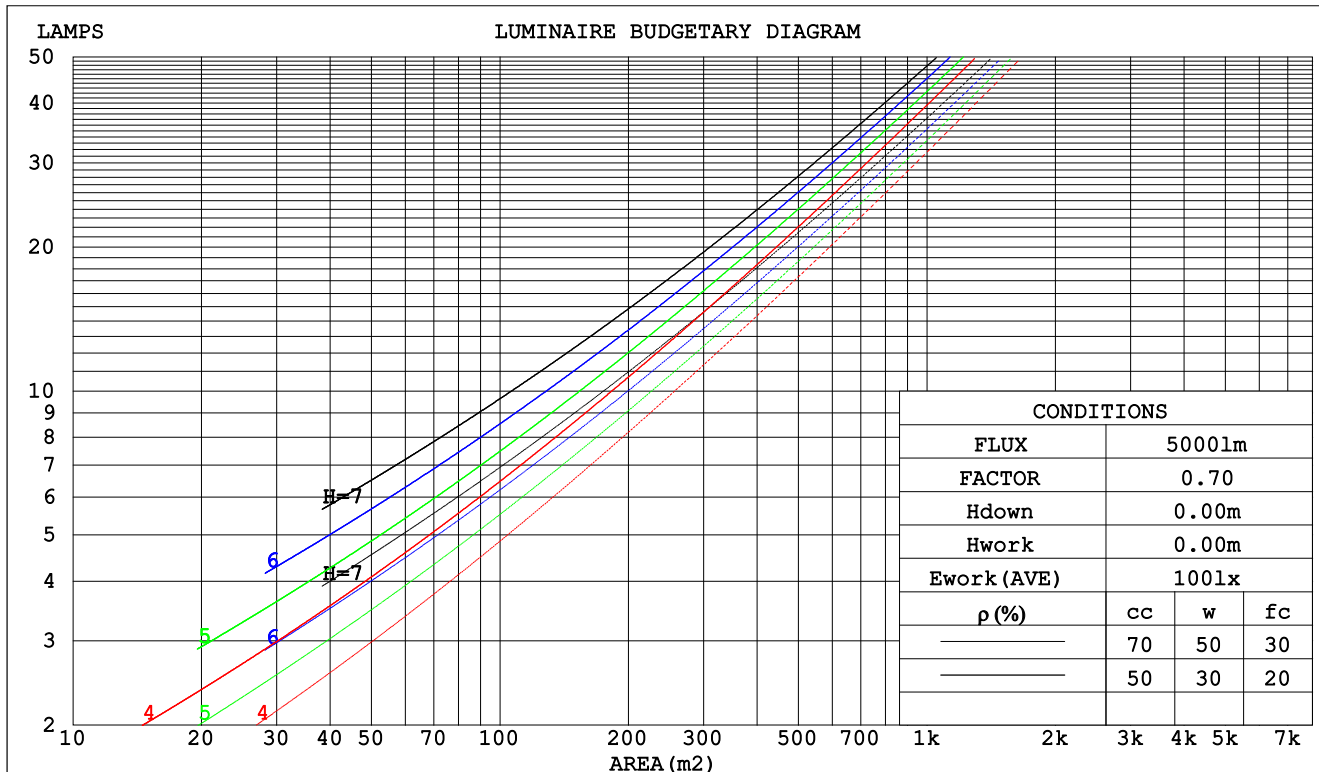
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

γ Range: 0 - 180DEG
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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.14 | 1.14 | 1.14 | 1.08 | 1.08 | 1.08 | .98 | .98 | .98 | .89 | .89 | .89 | .81 | .81 | .81 | .77 |
| 1.0 | .94 | .89 | .84 | .90 | .85 | .81 | .81 | .77 | .74 | .73 | .70 | .68 | .66 | .64 | .62 | .58 |
| 2.0 | .81 | .73 | .66 | .77 | .70 | .64 | .69 | .64 | .59 | .63 | .58 | .54 | .56 | .53 | .49 | .46 |
| 3.0 | .70 | .61 | .54 | .66 | .58 | .52 | .60 | .53 | .48 | .54 | .49 | .44 | .49 | .44 | .41 | .37 |
| 4.0 | .61 | .52 | .45 | .58 | .50 | .43 | .53 | .46 | .40 | .48 | .42 | .37 | .43 | .38 | .34 | .31 |
| 5.0 | .54 | .45 | .38 | .52 | .43 | .37 | .47 | .40 | .34 | .43 | .37 | .32 | .39 | .33 | .29 | .26 |
| 6.0 | .49 | .39 | .33 | .46 | .38 | .32 | .42 | .35 | .30 | .38 | .32 | .27 | .35 | .30 | .25 | .23 |
| 7.0 | .44 | .35 | .28 | .42 | .34 | .28 | .38 | .31 | .26 | .35 | .29 | .24 | .32 | .26 | .22 | .20 |
| 8.0 | .40 | .31 | .25 | .38 | .30 | .24 | .35 | .28 | .23 | .32 | .26 | .21 | .29 | .24 | .20 | .18 |
| 9.0 | .36 | .28 | .22 | .35 | .27 | .22 | .32 | .25 | .20 | .29 | .23 | .19 | .27 | .22 | .18 | .16 |
| 10.0 | .33 | .25 | .20 | .32 | .25 | .20 | .30 | .23 | .18 | .27 | .21 | .17 | .25 | .20 | .16 | .14 |



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | 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 | .388 | .220 | .070 | .374 | .213 | .068 | .347 | .199 | .064 | .323 | .186 | .060 | .300 | .174 | .056 | | |
| 2.0 | .334 | .183 | .056 | .321 | .177 | .054 | .297 | .165 | .051 | .275 | .154 | .048 | .254 | .144 | .045 | | |
| 3.0 | .296 | .157 | .047 | .284 | .152 | .046 | .262 | .142 | .043 | .242 | .133 | .041 | .223 | .124 | .038 | | |
| 4.0 | .266 | .138 | .041 | .255 | .133 | .039 | .235 | .125 | .037 | .217 | .116 | .035 | .200 | .109 | .033 | | |
| 5.0 | .241 | .123 | .036 | .232 | .119 | .035 | .214 | .111 | .033 | .197 | .104 | .031 | .181 | .097 | .029 | | |
| 6.0 | .221 | .111 | .032 | .212 | .107 | .031 | .196 | .100 | .029 | .180 | .094 | .028 | .166 | .087 | .026 | | |
| 7.0 | .204 | .101 | .029 | .196 | .097 | .028 | .180 | .091 | .026 | .166 | .085 | .025 | .153 | .079 | .023 | | |
| 8.0 | .189 | .092 | .026 | .181 | .089 | .025 | .167 | .084 | .024 | .154 | .078 | .023 | .142 | .073 | .021 | | |
| 9.0 | .176 | .085 | .024 | .169 | .082 | .023 | .156 | .077 | .022 | .144 | .072 | .021 | .133 | .067 | .019 | | |
| 10.0 | .165 | .079 | .022 | .158 | .076 | .021 | .146 | .072 | .020 | .135 | .067 | .019 | .124 | .063 | .018 | | |

| 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 | .364 | .364 | .364 | .311 | .311 | .311 | .212 | .212 | .212 | .122 | .122 | .122 | .039 | .039 | .039 | |
| 1.0 | .361 | .331 | .303 | .309 | .284 | .261 | .211 | .195 | .181 | .122 | .113 | .105 | .039 | .036 | .034 | |
| 2.0 | .354 | .308 | .269 | .303 | .265 | .233 | .208 | .183 | .162 | .120 | .107 | .095 | .038 | .035 | .031 | |
| 3.0 | .347 | .292 | .248 | .297 | .252 | .215 | .204 | .175 | .151 | .118 | .102 | .089 | .038 | .033 | .029 | |
| 4.0 | .339 | .279 | .234 | .291 | .241 | .203 | .200 | .168 | .143 | .116 | .099 | .085 | .037 | .032 | .028 | |
| 5.0 | .331 | .270 | .224 | .285 | .233 | .195 | .196 | .163 | .138 | .114 | .096 | .082 | .037 | .031 | .027 | |
| 6.0 | .324 | .262 | .217 | .278 | .227 | .189 | .192 | .159 | .134 | .111 | .093 | .080 | .036 | .031 | .026 | |
| 7.0 | .317 | .255 | .212 | .273 | .221 | .185 | .188 | .155 | .131 | .109 | .091 | .078 | .035 | .030 | .026 | |
| 8.0 | .310 | .250 | .208 | .267 | .217 | .182 | .185 | .152 | .129 | .108 | .090 | .077 | .035 | .029 | .025 | |
| 9.0 | .304 | .245 | .205 | .262 | .213 | .179 | .181 | .150 | .127 | .106 | .088 | .076 | .034 | .029 | .025 | |
| 10.0 | .298 | .241 | .203 | .257 | .209 | .177 | .178 | .147 | .126 | .104 | .087 | .075 | .034 | .029 | .025 | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | | | | | | | | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | | | | | TYPE: 硅胶 | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: 28mm*11.5mm | | | SERIAL No.:2021121315 | | |
| MFR.: OLYMPIA | | | | | SUR.:1*0.016 | | | 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 | 22.1 | 23.4 | 22.6 | 23.9 | 24.6 | 19.4 | 20.7 | 20.0 | 21.3 | 22.0 |
| 3H | 24.9 | 26.1 | 25.5 | 26.7 | 27.4 | 20.9 | 22.1 | 21.5 | 22.7 | 23.4 |
| 4H | 26.4 | 27.6 | 27.1 | 28.2 | 28.9 | 21.4 | 22.6 | 22.0 | 23.2 | 23.9 |
| 6H | 28.2 | 29.3 | 28.8 | 29.9 | 30.7 | 21.8 | 22.9 | 22.4 | 23.5 | 24.2 |
| 8H | 29.2 | 30.2 | 29.8 | 30.9 | 31.6 | 21.8 | 22.9 | 22.5 | 23.5 | 24.3 |
| 12H | 30.3 | 31.3 | 30.9 | 32.0 | 32.7 | 21.9 | 22.9 | 22.5 | 23.5 | 24.3 |
| 4H 2H | 22.6 | 23.8 | 23.2 | 24.4 | 25.1 | 20.8 | 21.9 | 21.4 | 22.5 | 23.2 |
| 3H | 25.7 | 26.7 | 26.3 | 27.4 | 28.1 | 22.5 | 23.6 | 23.2 | 24.2 | 25.0 |
| 4H | 27.5 | 28.4 | 28.1 | 29.1 | 29.9 | 23.3 | 24.3 | 24.0 | 25.0 | 25.8 |
| 6H | 29.4 | 30.3 | 30.1 | 31.0 | 31.8 | 24.0 | 24.8 | 24.7 | 25.5 | 26.3 |
| 8H | 30.5 | 31.3 | 31.2 | 32.0 | 32.9 | 24.2 | 24.9 | 24.9 | 25.7 | 26.5 |
| 12H | 31.8 | 32.5 | 32.5 | 33.2 | 34.1 | 24.3 | 25.0 | 25.0 | 25.7 | 26.6 |
| 8H 4H | 27.8 | 28.6 | 28.5 | 29.3 | 30.2 | 24.6 | 25.4 | 25.4 | 26.1 | 27.0 |
| 6H | 30.1 | 30.8 | 30.8 | 31.5 | 32.4 | 25.7 | 26.4 | 26.5 | 27.1 | 28.0 |
| 8H | 31.4 | 32.0 | 32.2 | 32.8 | 33.7 | 26.2 | 26.8 | 27.0 | 27.6 | 28.5 |
| 12H | 32.9 | 33.5 | 33.7 | 34.2 | 35.2 | 26.6 | 27.1 | 27.4 | 27.9 | 28.8 |
| 12H 4H | 27.8 | 28.5 | 28.6 | 29.3 | 30.1 | 25.1 | 25.8 | 25.8 | 26.5 | 27.4 |
| 6H | 30.2 | 30.8 | 31.0 | 31.6 | 32.5 | 26.4 | 27.0 | 27.2 | 27.8 | 28.7 |
| 8H | 31.7 | 32.2 | 32.4 | 33.0 | 33.9 | 27.1 | 27.7 | 27.9 | 28.4 | 29.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |

CIE Pub.117, 234.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.0)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LPC
 Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

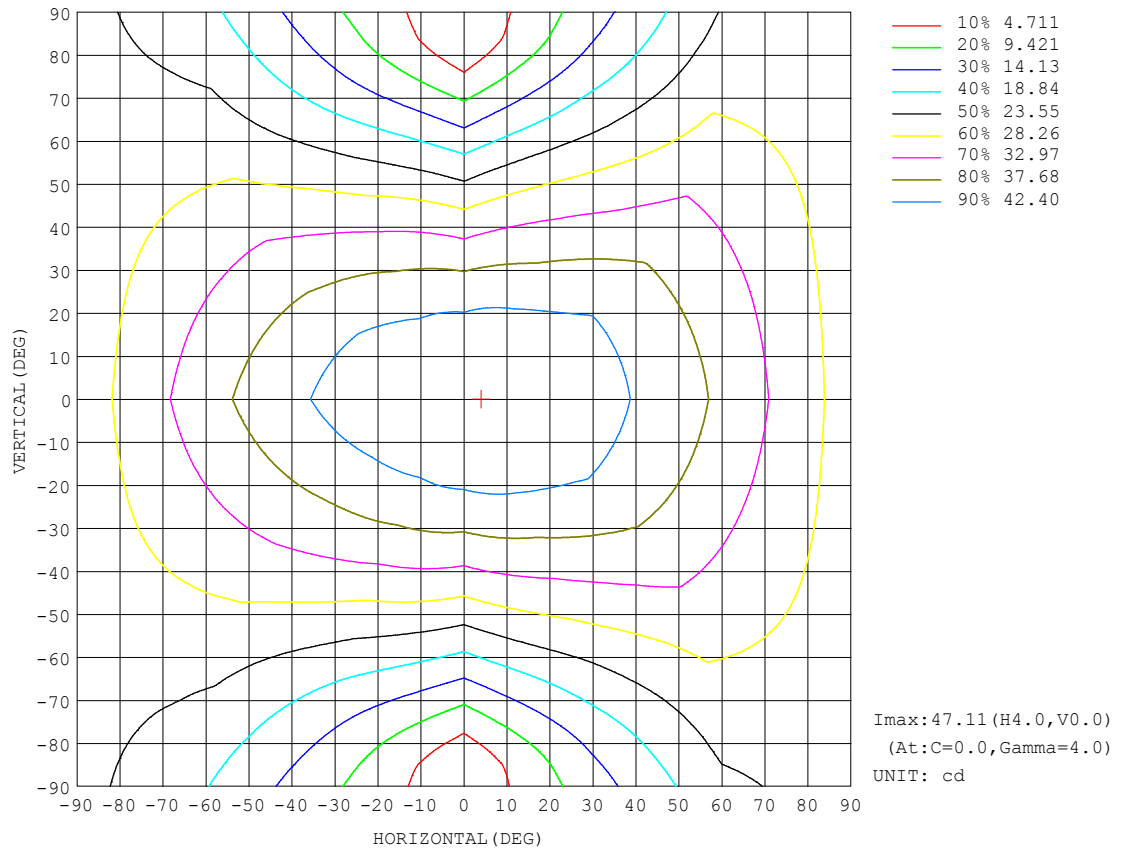
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 46 | 34 | 27 | 45 | 33 | 26 | 43 | 32 | 26 | 19 |
| 0.80 | 55 | 42 | 34 | 53 | 41 | 34 | 50 | 40 | 33 | 24 |
| 1.00 | 63 | 50 | 41 | 61 | 49 | 41 | 57 | 49 | 39 | 30 |
| 1.25 | 70 | 57 | 48 | 67 | 55 | 47 | 62 | 52 | 45 | 35 |
| 1.50 | 75 | 62 | 54 | 72 | 61 | 52 | 66 | 57 | 50 | 39 |
| 2.00 | 82 | 71 | 62 | 79 | 68 | 61 | 72 | 64 | 57 | 45 |
| 2.50 | 87 | 76 | 68 | 83 | 74 | 66 | 76 | 68 | 62 | 48 |
| 3.00 | 90 | 81 | 73 | 87 | 78 | 71 | 79 | 72 | 66 | 52 |
| 4.00 | 95 | 87 | 80 | 91 | 84 | 78 | 83 | 77 | 72 | 56 |
| 5.00 | 98 | 91 | 85 | 94 | 87 | 82 | 85 | 80 | 76 | 59 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

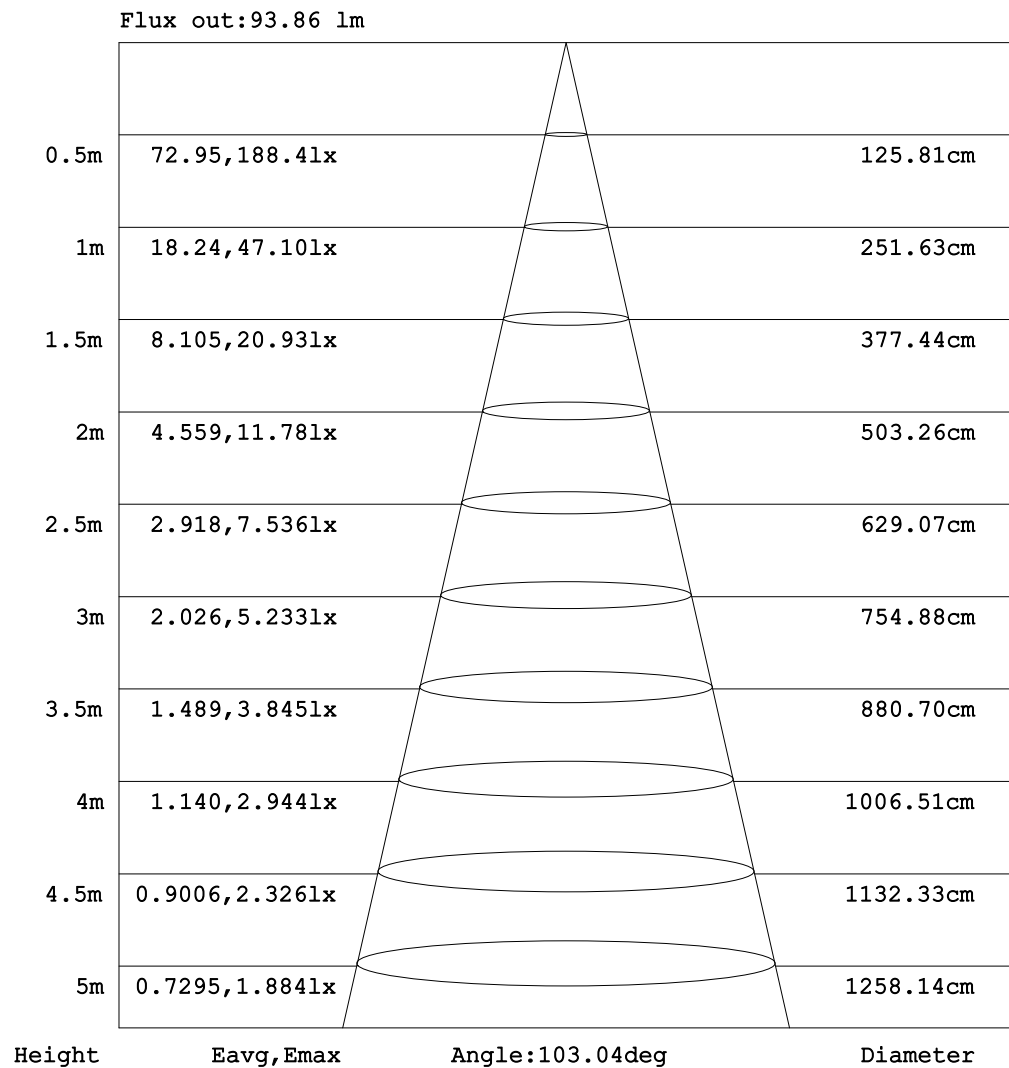


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |



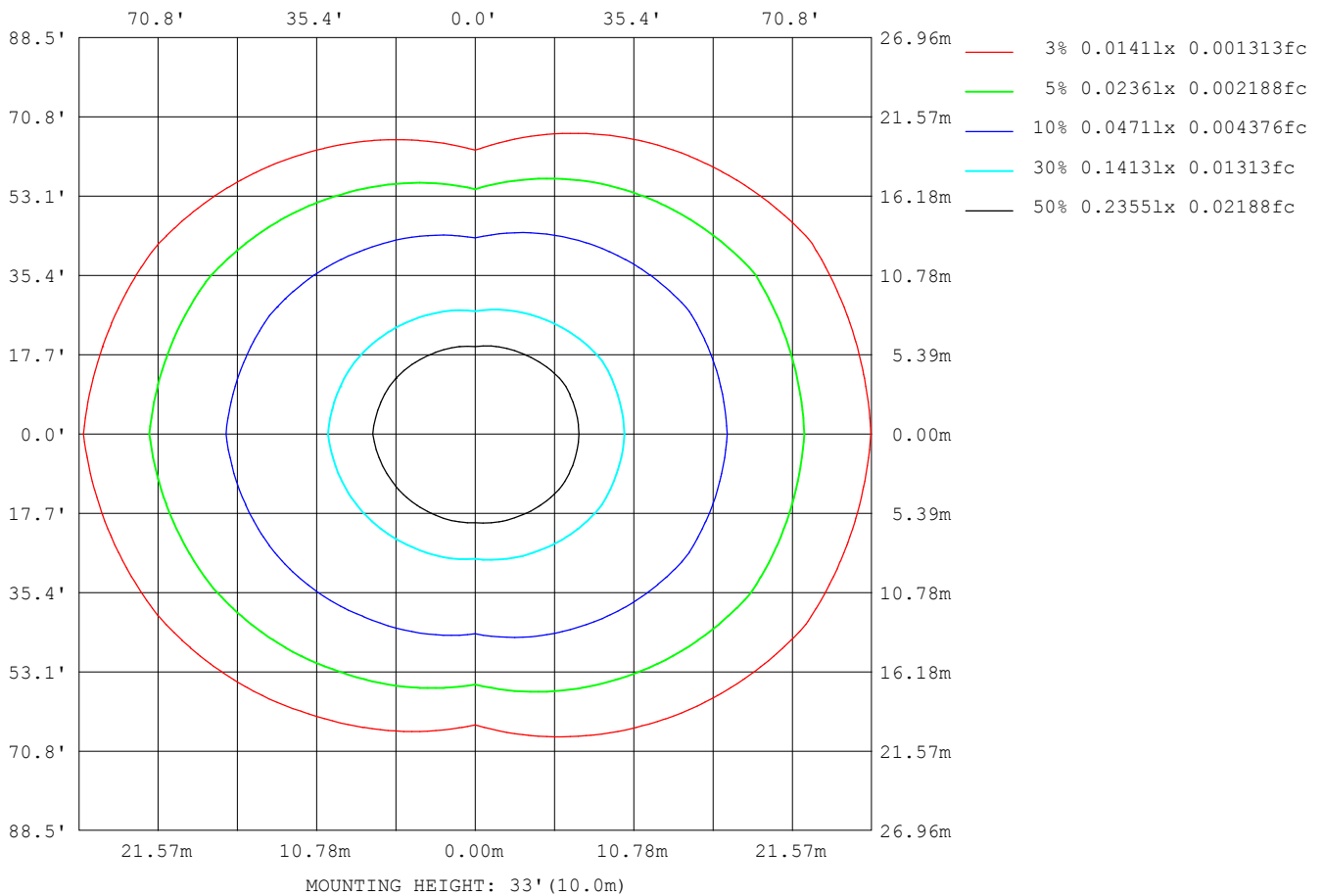
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE:硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

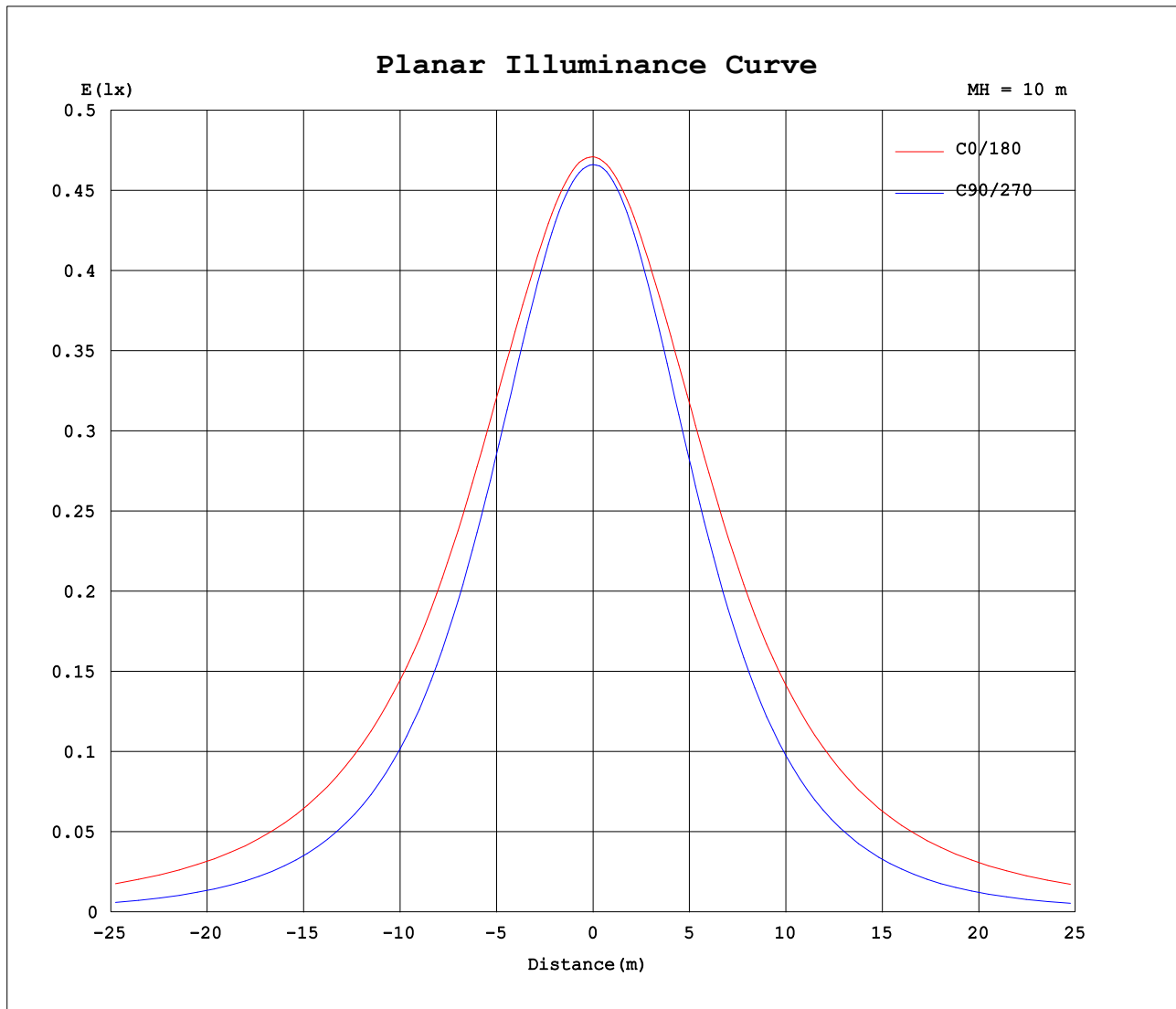
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 5107 |
| L_0~180 (75) av | 7514 |
| L_0~180 (85) av | 19671 |
| L_90~270 (65) av | 1970 |
| L_90~270 (75) av | 1439 |
| L_90~270 (85) av | 546 |
| L_45 (65) av | 3921 |
| L_45 (75) av | 5360 |
| L_45 (85) av | 13208 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

γ Range: 0 - 180DEG
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: 2021-12-13

γ Range: 0 - 180DEG
 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:0.5496A P:13.19W PF:1.000 Freq:50.00Hz Lamp Flux:234.394x1 lm | | |
| NAME: SF21-24V-5050-70-SPI3-3000-80 | TYPE: 硅胶 | WEIGHT: |
| SPEC.: | DIM.: 28mm*11.5mm | SERIAL No.:2021121315 |
| MFR.: OLYMPIA | SUR.:1*0.016 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--|--|--|--|--|--|
| 0 | 47.1 | 47.0 | 46.7 | 46.6 | 46.6 | 46.6 | 47.1 | 47.0 | 46.7 | 46.6 | 46.6 | 46.6 | | | | | | |
| 5 | 47.1 | 47.0 | 46.8 | 46.4 | 46.2 | 46.1 | 46.9 | 46.7 | 46.4 | 46.4 | 46.6 | 46.7 | | | | | | |
| 10 | 46.7 | 46.7 | 46.3 | 45.7 | 45.4 | 45.4 | 46.5 | 46.1 | 45.7 | 45.7 | 46.1 | 46.7 | | | | | | |
| 15 | 46.2 | 46.2 | 45.4 | 44.5 | 44.2 | 44.6 | 45.9 | 45.3 | 44.4 | 44.3 | 45.2 | 46.2 | | | | | | |
| 20 | 45.6 | 45.4 | 44.0 | 42.8 | 42.7 | 43.7 | 45.3 | 44.4 | 42.8 | 42.5 | 43.8 | 45.4 | | | | | | |
| 25 | 45.1 | 44.3 | 42.3 | 40.7 | 40.9 | 42.5 | 44.6 | 43.3 | 41.1 | 40.2 | 42.0 | 44.5 | | | | | | |
| 30 | 44.3 | 43.3 | 40.3 | 38.2 | 38.9 | 41.0 | 43.7 | 42.0 | 39.1 | 37.5 | 40.0 | 43.5 | | | | | | |
| 35 | 43.3 | 42.1 | 38.1 | 35.3 | 36.7 | 39.3 | 42.6 | 40.5 | 36.9 | 34.4 | 37.9 | 42.4 | | | | | | |
| 40 | 42.0 | 40.6 | 35.8 | 32.2 | 34.2 | 37.7 | 41.2 | 38.7 | 34.5 | 31.1 | 35.7 | 41.2 | | | | | | |
| 45 | 40.9 | 39.0 | 33.4 | 28.8 | 31.6 | 36.0 | 40.1 | 37.0 | 31.9 | 27.6 | 33.4 | 39.7 | | | | | | |
| 50 | 39.7 | 37.3 | 30.9 | 25.3 | 28.7 | 34.2 | 38.8 | 35.3 | 29.1 | 24.0 | 31.0 | 38.0 | | | | | | |
| 55 | 38.3 | 35.7 | 28.2 | 21.6 | 26.0 | 32.2 | 37.3 | 33.5 | 26.2 | 20.3 | 28.4 | 36.4 | | | | | | |
| 60 | 36.7 | 33.9 | 25.5 | 17.8 | 23.2 | 30.3 | 35.7 | 31.5 | 23.5 | 16.4 | 25.7 | 34.8 | | | | | | |
| 65 | 35.0 | 32.0 | 22.8 | 14.0 | 20.4 | 28.3 | 34.1 | 29.5 | 20.7 | 12.7 | 23.0 | 33.0 | | | | | | |
| 70 | 33.3 | 30.0 | 20.2 | 10.2 | 17.8 | 26.4 | 32.4 | 27.6 | 18.0 | 8.89 | 20.4 | 31.2 | | | | | | |
| 75 | 31.5 | 28.1 | 17.8 | 6.55 | 15.3 | 24.6 | 30.7 | 25.7 | 15.5 | 5.36 | 18.0 | 29.3 | | | | | | |
| 80 | 29.7 | 26.3 | 15.5 | 3.29 | 13.2 | 22.7 | 28.9 | 23.9 | 13.3 | 2.35 | 15.7 | 27.5 | | | | | | |
| 85 | 27.8 | 24.5 | 13.6 | 0.93 | 11.5 | 20.9 | 27.1 | 22.0 | 11.5 | 0.59 | 13.7 | 25.7 | | | | | | |
| 90 | 25.7 | 22.6 | 12.1 | 0.69 | 9.99 | 19.0 | 25.1 | 20.1 | 10.00 | 0.47 | 12.2 | 23.9 | | | | | | |
| 95 | 23.7 | 20.7 | 10.8 | 0.72 | 8.87 | 17.4 | 23.1 | 18.4 | 8.83 | 0.48 | 10.9 | 22.0 | | | | | | |
| 100 | 21.3 | 17.3 | 9.86 | 0.78 | 8.05 | 14.6 | 20.8 | 15.6 | 7.92 | 0.56 | 9.89 | 18.7 | | | | | | |
| 105 | 19.5 | 16.3 | 8.39 | 0.83 | 5.97 | 13.7 | 19.0 | 14.5 | 6.31 | 0.60 | 8.43 | 17.6 | | | | | | |
| 110 | 17.8 | 15.1 | 7.92 | 0.84 | 5.81 | 12.2 | 17.3 | 13.0 | 5.87 | 0.61 | 8.21 | 16.3 | | | | | | |
| 115 | 16.3 | 14.0 | 7.53 | 0.86 | 5.43 | 11.1 | 15.2 | 12.1 | 5.42 | 0.61 | 7.27 | 15.0 | | | | | | |
| 120 | 14.9 | 13.0 | 6.79 | 0.89 | 5.14 | 10.3 | 13.9 | 11.0 | 5.24 | 0.66 | 6.80 | 13.9 | | | | | | |
| 125 | 13.6 | 12.1 | 5.89 | 0.92 | 4.82 | 9.46 | 12.7 | 9.97 | 4.74 | 0.70 | 6.04 | 12.6 | | | | | | |
| 130 | 12.4 | 10.6 | 4.90 | 0.95 | 4.40 | 8.57 | 11.6 | 9.12 | 4.55 | 0.76 | 5.59 | 11.0 | | | | | | |
| 135 | 11.2 | 8.42 | 4.21 | 0.98 | 4.06 | 7.61 | 10.2 | 8.22 | 4.28 | 0.79 | 4.96 | 9.66 | | | | | | |
| 140 | 10.0 | 7.01 | 3.70 | 1.02 | 3.74 | 6.66 | 8.57 | 6.90 | 3.95 | 0.84 | 4.41 | 7.85 | | | | | | |
| 145 | 8.88 | 5.82 | 3.50 | 1.05 | 3.49 | 5.72 | 7.71 | 6.41 | 3.64 | 0.91 | 4.00 | 6.42 | | | | | | |
| 150 | 7.68 | 4.66 | 3.30 | 1.16 | 3.01 | 4.99 | 6.67 | 5.55 | 3.23 | 0.98 | 3.52 | 5.59 | | | | | | |
| 155 | 6.50 | 3.75 | 3.32 | 1.16 | 2.55 | 4.31 | 6.02 | 4.84 | 2.86 | 1.01 | 3.46 | 4.82 | | | | | | |
| 160 | 5.27 | 3.04 | 3.31 | 1.17 | 2.08 | 3.65 | 5.00 | 4.22 | 2.35 | 1.04 | 3.46 | 3.84 | | | | | | |
| 165 | 4.27 | 2.62 | 3.16 | 1.16 | 1.68 | 2.72 | 4.06 | 3.19 | 1.96 | 1.10 | 3.29 | 3.31 | | | | | | |
| 170 | 2.17 | 2.52 | 3.08 | 1.15 | 1.18 | 1.95 | 2.20 | 2.64 | 1.48 | 1.11 | 3.10 | 3.22 | | | | | | |
| 175 | 1.78 | 2.23 | 2.89 | 1.14 | 1.17 | 1.34 | 1.70 | 1.88 | 1.19 | 1.17 | 2.92 | 2.96 | | | | | | |
| 180 | 1.19 | 1.19 | 1.16 | 1.13 | 1.17 | 1.17 | 1.18 | 1.18 | 1.15 | 1.20 | 1.20 | 1.17 | | | | | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

γ Range: 0 - 180DEG
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:

Photometric Data Table [cd]

| G/C | 0.0 | 30.0 | 60.0 | 90.0 | 120.0 | 150.0 | 180.0 | 210.0 | 240.0 | 270.0 |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
| 0.0 | 47.10 | 47.03 | 46.75 | 46.61 | 46.60 | 46.55 | 47.10 | 47.03 | 46.75 | 46.61 |
| 3.0 | 47.10 | 47.03 | 46.78 | 46.53 | 46.42 | 46.32 | 47.02 | 46.88 | 46.59 | 46.57 |
| 6.0 | 47.03 | 46.98 | 46.71 | 46.30 | 46.09 | 45.98 | 46.86 | 46.62 | 46.29 | 46.32 |
| 9.0 | 46.82 | 46.81 | 46.45 | 45.90 | 45.62 | 45.56 | 46.62 | 46.27 | 45.85 | 45.87 |
| 12.0 | 46.54 | 46.54 | 46.01 | 45.27 | 44.99 | 45.09 | 46.31 | 45.83 | 45.23 | 45.19 |
| 15.0 | 46.19 | 46.18 | 45.38 | 44.46 | 44.18 | 44.62 | 45.92 | 45.31 | 44.43 | 44.33 |
| 18.0 | 45.84 | 45.72 | 44.62 | 43.48 | 43.29 | 44.09 | 45.52 | 44.77 | 43.51 | 43.28 |
| 21.0 | 45.51 | 45.19 | 43.71 | 42.38 | 42.33 | 43.47 | 45.17 | 44.18 | 42.51 | 42.06 |
| 24.0 | 45.18 | 44.57 | 42.68 | 41.10 | 41.28 | 42.73 | 44.76 | 43.53 | 41.44 | 40.68 |
| 27.0 | 44.76 | 43.94 | 41.55 | 39.68 | 40.16 | 41.92 | 44.28 | 42.82 | 40.32 | 39.16 |
| 30.0 | 44.27 | 43.33 | 40.31 | 38.15 | 38.93 | 41.03 | 43.70 | 42.01 | 39.13 | 37.49 |
| 33.0 | 43.69 | 42.61 | 39.01 | 36.46 | 37.61 | 40.03 | 43.05 | 41.10 | 37.84 | 35.68 |
| 36.0 | 43.04 | 41.79 | 37.66 | 34.67 | 36.22 | 38.96 | 42.31 | 40.13 | 36.48 | 33.78 |
| 39.0 | 42.31 | 40.94 | 36.28 | 32.79 | 34.74 | 37.97 | 41.49 | 39.06 | 35.01 | 31.77 |
| 42.0 | 41.53 | 40.03 | 34.84 | 30.84 | 33.18 | 37.03 | 40.72 | 37.98 | 33.49 | 29.70 |
| 45.0 | 40.93 | 39.01 | 33.38 | 28.81 | 31.57 | 36.00 | 40.06 | 37.04 | 31.88 | 27.61 |
| 48.0 | 40.25 | 37.92 | 31.89 | 26.74 | 29.89 | 34.92 | 39.32 | 36.03 | 30.22 | 25.47 |
| 51.0 | 39.47 | 36.98 | 30.36 | 24.58 | 28.17 | 33.78 | 38.51 | 34.97 | 28.51 | 23.30 |
| 54.0 | 38.60 | 36.05 | 28.78 | 22.37 | 26.51 | 32.61 | 37.63 | 33.85 | 26.80 | 21.09 |
| 57.0 | 37.65 | 35.02 | 27.17 | 20.13 | 24.87 | 31.44 | 36.71 | 32.68 | 25.16 | 18.80 |
| 60.0 | 36.68 | 33.94 | 25.52 | 17.84 | 23.21 | 30.27 | 35.73 | 31.46 | 23.51 | 16.44 |
| 63.0 | 35.66 | 32.77 | 23.86 | 15.52 | 21.56 | 29.08 | 34.75 | 30.29 | 21.84 | 14.17 |
| 66.0 | 34.66 | 31.60 | 22.23 | 13.21 | 19.91 | 27.93 | 33.75 | 29.13 | 20.19 | 11.90 |
| 69.0 | 33.63 | 30.40 | 20.76 | 10.93 | 18.28 | 26.82 | 32.74 | 27.95 | 18.55 | 9.625 |
| 72.0 | 32.59 | 29.24 | 19.26 | 8.673 | 16.76 | 25.67 | 31.73 | 26.83 | 16.96 | 7.425 |
| 75.0 | 31.54 | 28.13 | 17.80 | 6.553 | 15.33 | 24.59 | 30.69 | 25.71 | 15.49 | 5.363 |
| 78.0 | 30.45 | 27.04 | 16.37 | 4.503 | 14.04 | 23.49 | 29.65 | 24.59 | 14.16 | 3.493 |
| 81.0 | 29.34 | 25.93 | 15.09 | 2.710 | 12.87 | 22.40 | 28.56 | 23.50 | 12.95 | 1.863 |
| 84.0 | 28.19 | 24.82 | 13.96 | 1.343 | 11.83 | 21.28 | 27.43 | 22.40 | 11.87 | 0.6919 |
| 87.0 | 26.97 | 23.72 | 12.97 | 0.7335 | 10.85 | 20.17 | 26.30 | 21.26 | 10.89 | 0.4979 |
| 90.0 | 25.71 | 22.57 | 12.10 | 0.6936 | 9.994 | 19.05 | 25.11 | 20.14 | 9.998 | 0.4711 |
| 93.0 | 24.50 | 21.41 | 11.29 | 0.7037 | 9.275 | 18.04 | 23.93 | 19.07 | 9.245 | 0.4689 |
| 96.0 | 23.30 | 20.37 | 10.61 | 0.7239 | 8.692 | 17.07 | 22.75 | 18.04 | 8.632 | 0.4800 |
| 99.0 | 22.10 | 19.71 | 10.02 | 0.7541 | 8.189 | 16.61 | 21.15 | 15.73 | 8.070 | 0.5174 |
| 102.0 | 20.58 | 17.00 | 9.307 | 0.8171 | 7.098 | 14.31 | 20.07 | 15.21 | 7.130 | 0.5744 |
| 105.0 | 19.51 | 16.26 | 8.393 | 0.8253 | 5.967 | 13.66 | 19.04 | 14.50 | 6.312 | 0.5996 |
| 108.0 | 18.46 | 15.64 | 8.298 | 0.8334 | 5.875 | 13.11 | 17.96 | 13.71 | 6.115 | 0.6033 |
| 111.0 | 17.46 | 14.88 | 7.677 | 0.8416 | 5.705 | 11.94 | 16.75 | 12.82 | 5.758 | 0.6070 |
| 114.0 | 16.56 | 14.22 | 7.624 | 0.8544 | 5.473 | 11.29 | 15.37 | 12.32 | 5.472 | 0.6107 |
| 117.0 | 15.70 | 13.60 | 7.533 | 0.8695 | 5.243 | 10.71 | 14.65 | 11.68 | 5.302 | 0.6231 |
| 120.0 | 14.90 | 13.04 | 6.789 | 0.8946 | 5.137 | 10.26 | 13.91 | 11.02 | 5.241 | 0.6582 |
| 123.0 | 14.14 | 12.49 | 6.345 | 0.9047 | 5.031 | 9.804 | 13.21 | 10.37 | 5.009 | 0.6785 |
| 126.0 | 13.39 | 11.88 | 5.681 | 0.9248 | 4.695 | 9.281 | 12.53 | 9.772 | 4.654 | 0.7036 |
| 129.0 | 12.65 | 11.11 | 5.088 | 0.9449 | 4.448 | 8.763 | 11.83 | 9.279 | 4.603 | 0.7486 |
| 132.0 | 11.92 | 9.831 | 4.575 | 0.9649 | 4.372 | 8.190 | 11.16 | 8.757 | 4.452 | 0.7698 |
| 135.0 | 11.21 | 8.421 | 4.213 | 0.9801 | 4.057 | 7.613 | 10.16 | 8.223 | 4.276 | 0.7890 |
| 138.0 | 10.49 | 7.566 | 3.876 | 1.005 | 3.870 | 7.100 | 9.293 | 7.281 | 4.070 | 0.8291 |
| 141.0 | 9.783 | 6.772 | 3.639 | 1.020 | 3.699 | 6.430 | 8.386 | 6.865 | 3.894 | 0.8493 |
| 144.0 | 9.099 | 6.074 | 3.539 | 1.040 | 3.524 | 5.819 | 7.824 | 6.555 | 3.698 | 0.8794 |
| 147.0 | 8.405 | 5.350 | 3.438 | 1.081 | 3.373 | 5.492 | 7.382 | 6.067 | 3.523 | 0.9248 |
| 150.0 | 7.682 | 4.657 | 3.297 | 1.157 | 3.007 | 4.989 | 6.673 | 5.549 | 3.235 | 0.9849 |
| 153.0 | 6.959 | 4.049 | 3.247 | 1.161 | 2.745 | 4.597 | 6.296 | 5.102 | 3.030 | 1.000 |
| 156.0 | 6.275 | 3.587 | 3.332 | 1.166 | 2.454 | 4.145 | 5.793 | 4.710 | 2.768 | 1.015 |
| 159.0 | 5.410 | 3.165 | 3.342 | 1.170 | 2.152 | 3.733 | 5.194 | 4.273 | 2.451 | 1.035 |
| 162.0 | 4.908 | 2.769 | 3.297 | 1.166 | 1.951 | 3.145 | 4.713 | 3.907 | 2.205 | 1.080 |
| 165.0 | 4.274 | 2.624 | 3.156 | 1.158 | 1.685 | 2.718 | 4.065 | 3.187 | 1.964 | 1.103 |
| 168.0 | 2.303 | 2.628 | 3.121 | 1.151 | 1.197 | 2.285 | 2.147 | 2.976 | 1.713 | 1.109 |
| 171.0 | 2.101 | 2.498 | 3.046 | 1.147 | 1.181 | 1.802 | 2.104 | 2.449 | 1.270 | 1.116 |
| 174.0 | 1.861 | 2.351 | 2.931 | 1.141 | 1.171 | 1.421 | 1.778 | 1.991 | 1.208 | 1.166 |
| 177.0 | 1.604 | 2.052 | 2.695 | 1.136 | 1.161 | 1.176 | 1.532 | 1.405 | 1.146 | 1.166 |
| 180.0 | 1.191 | 1.186 | 1.161 | 1.126 | 1.166 | 1.166 | 1.181 | 1.176 | 1.146 | 1.196 |
| G/C | 300.0 | 330.0 | | | | | | | | |
| 0.0 | 46.60 | 46.55 | | | | | | | | |
| 3.0 | 46.60 | 46.68 | | | | | | | | |
| 6.0 | 46.51 | 46.72 | | | | | | | | |
| 9.0 | 46.25 | 46.68 | | | | | | | | |
| 12.0 | 45.79 | 46.54 | | | | | | | | |
| 15.0 | 45.17 | 46.20 | | | | | | | | |
| 18.0 | 44.38 | 45.73 | | | | | | | | |
| 21.0 | 43.44 | 45.22 | | | | | | | | |
| 24.0 | 42.36 | 44.66 | | | | | | | | |
| 27.0 | 41.17 | 44.09 | | | | | | | | |
| 30.0 | 39.96 | 43.49 | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LPC
 Test Date: 2021-12-13

γ Range: 0 - 180DEG
 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:

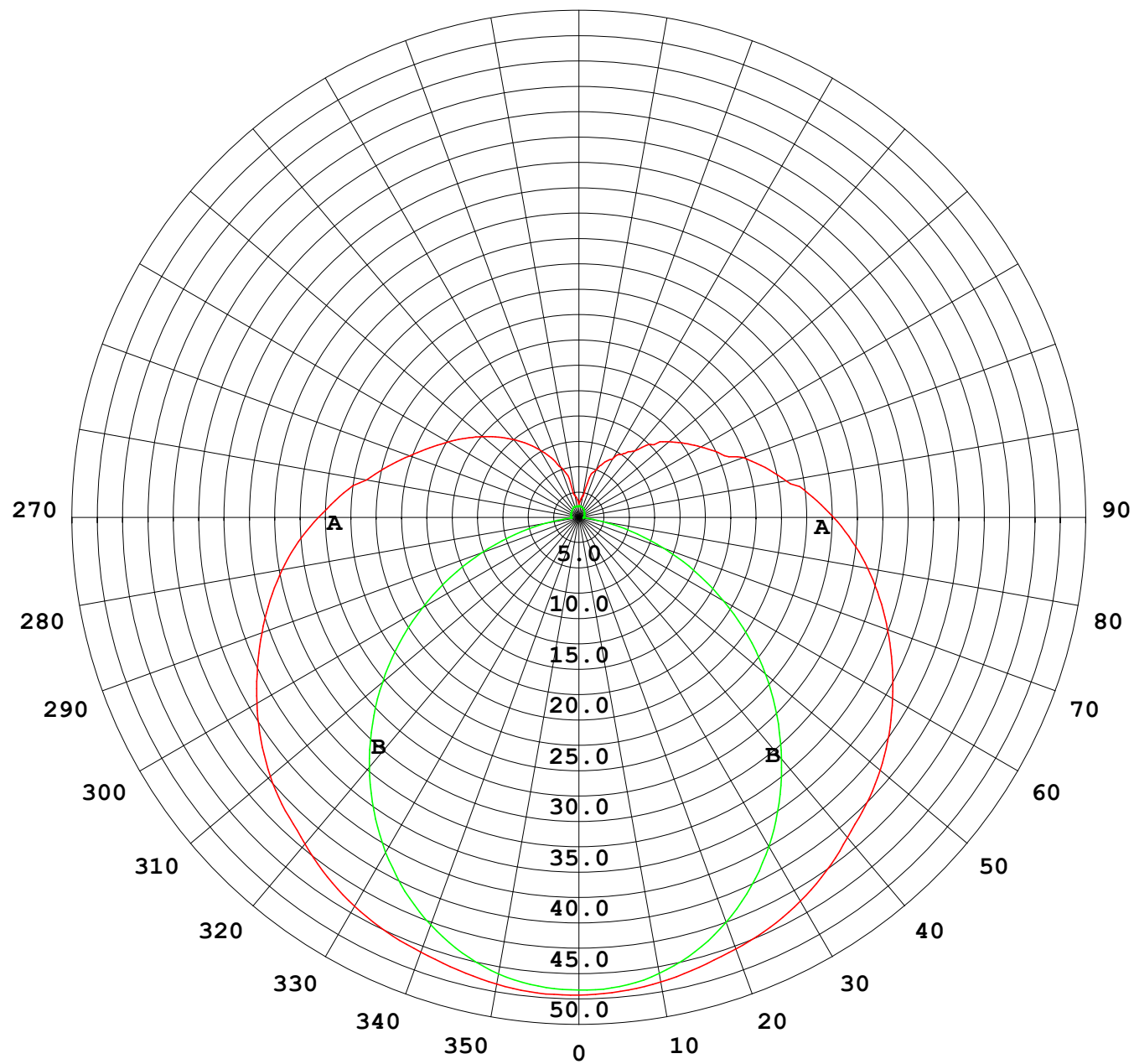
Photometric Data Table [cd]

| | | |
|-------|-------|-------|
| 33.0 | 38.71 | 42.87 |
| 36.0 | 37.44 | 42.20 |
| 39.0 | 36.14 | 41.43 |
| 42.0 | 34.83 | 40.60 |
| 45.0 | 33.42 | 39.72 |
| 48.0 | 31.96 | 38.74 |
| 51.0 | 30.45 | 37.68 |
| 54.0 | 28.91 | 36.69 |
| 57.0 | 27.32 | 35.81 |
| 60.0 | 25.70 | 34.82 |
| 63.0 | 24.06 | 33.78 |
| 66.0 | 22.42 | 32.68 |
| 69.0 | 20.91 | 31.55 |
| 72.0 | 19.45 | 30.40 |
| 75.0 | 17.98 | 29.28 |
| 78.0 | 16.58 | 28.17 |
| 81.0 | 15.25 | 27.12 |
| 84.0 | 14.09 | 26.04 |
| 87.0 | 13.07 | 24.92 |
| 90.0 | 12.18 | 23.86 |
| 93.0 | 11.39 | 22.77 |
| 96.0 | 10.67 | 21.65 |
| 99.0 | 10.07 | 19.17 |
| 102.0 | 9.443 | 18.31 |
| 105.0 | 8.433 | 17.63 |
| 108.0 | 8.282 | 16.87 |
| 111.0 | 7.867 | 16.02 |
| 114.0 | 7.585 | 15.26 |
| 117.0 | 7.262 | 14.57 |
| 120.0 | 6.804 | 13.92 |
| 123.0 | 6.374 | 13.14 |
| 126.0 | 6.016 | 12.29 |
| 129.0 | 5.688 | 11.28 |
| 132.0 | 5.371 | 10.50 |
| 135.0 | 4.959 | 9.662 |
| 138.0 | 4.607 | 8.130 |
| 141.0 | 4.316 | 7.586 |
| 144.0 | 4.090 | 6.771 |
| 147.0 | 3.844 | 6.012 |
| 150.0 | 3.522 | 5.585 |
| 153.0 | 3.440 | 5.193 |
| 156.0 | 3.463 | 4.610 |
| 159.0 | 3.463 | 4.042 |
| 162.0 | 3.427 | 3.609 |
| 165.0 | 3.287 | 3.313 |
| 168.0 | 3.176 | 3.267 |
| 171.0 | 3.065 | 3.187 |
| 174.0 | 2.950 | 3.051 |
| 177.0 | 2.842 | 2.790 |
| 180.0 | 1.196 | 1.166 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LPC
Test Date:2021-12-13

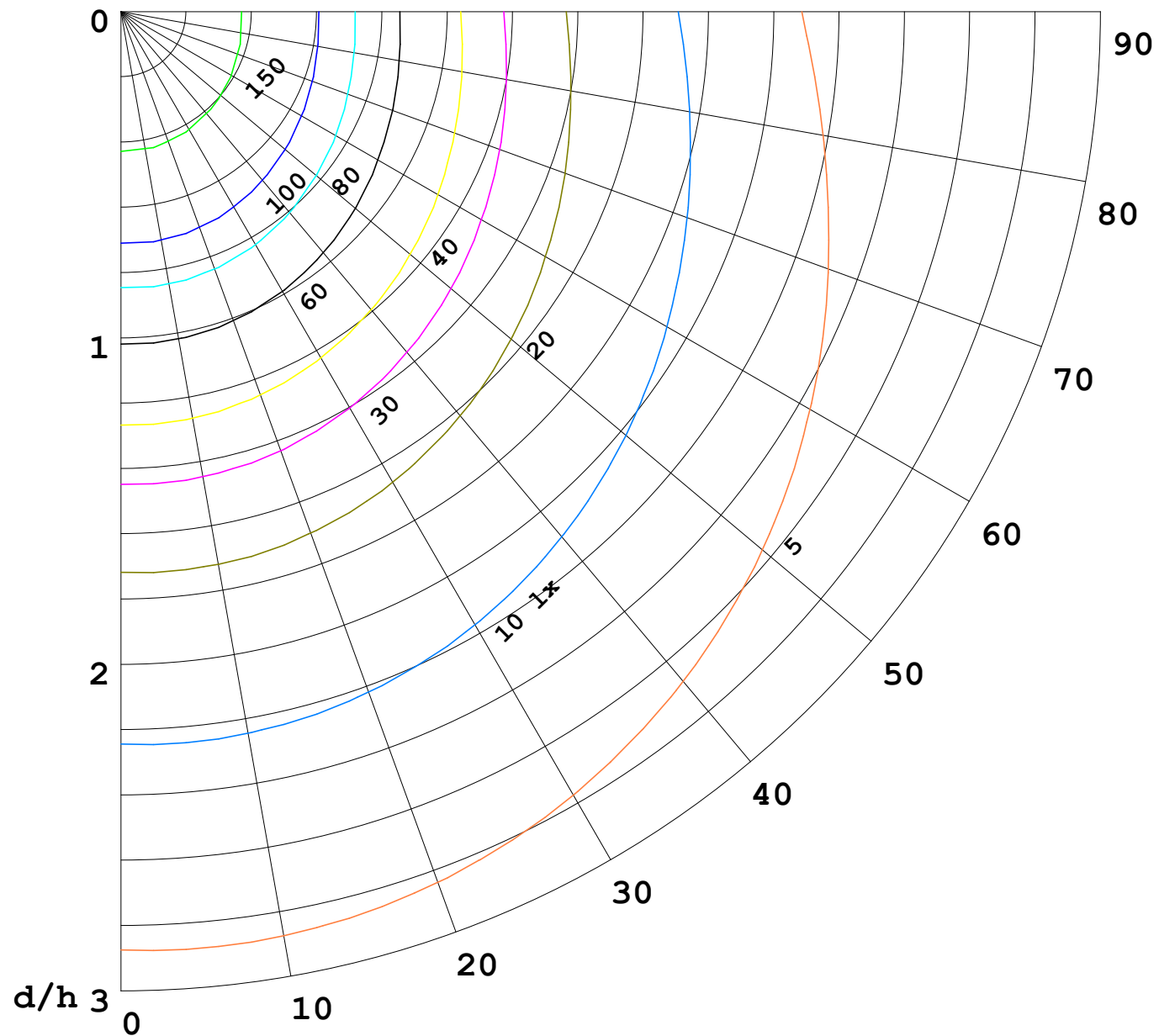
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

| | Pcc | Pw | Pfc |
|---|-----|----|-----|
| — | 70 | 50 | 30 |
| — | 50 | 30 | 20 |

