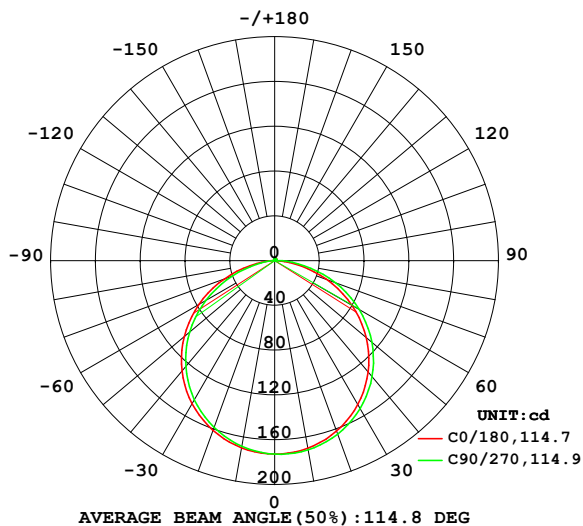


LUMINAIRE PHOTOMETRIC TEST REPORT

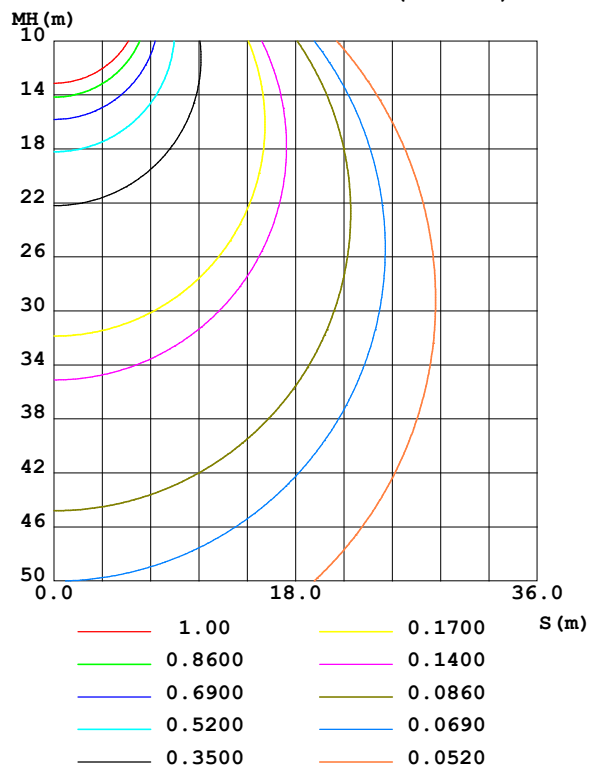
| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 106.32 lm/W |
|------------------|--------|-----------------------|--------|-------------------|----------|------------------|
| MODEL | 3000K | I _{max} (cd) | 173.0 | S/MH(C0/180) | 1.27 | |
| NOMINAL POWER(W) | 4.8 | LOR(%) | 100.0 | S/MH(C90/270) | 1.24 | |
| RATED VOLTAGE(V) | 24 | TOTAL FLUX(lm) | 511.55 | □ UP,DN(C0-180) | 0.7,52.0 | |
| NOMINAL FLUX(lm) | 7.3079 | CIE CLASS | DIRECT | □ UP,DN(C180-360) | 0.6,46.6 | |
| LAMPS INSIDE | 70 | □ up (%) | 1.4 | CIBSE SHR NOM | 1.25 | |
| TEST VOLTAGE(V) | 24 | □ down (%) | 98.6 | CIBSE SHR MAX | 1.35 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-22

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| ° | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | ° | zone | total | %lum, lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|------------|
| 10 | 170.2 | 171.3 | 171.6 | 171.1 | 169.8 | 168.7 | 168.4 | 169.0 | 0- 10 | 16.36 | 16.36 | 3.2,3.2 |
| 20 | 162.0 | 164.2 | 164.8 | 163.6 | 161.2 | 159.2 | 158.4 | 159.5 | 10- 20 | 47.00 | 63.36 | 12.4,12.4 |
| 30 | 148.5 | 151.7 | 152.6 | 150.9 | 147.5 | 144.6 | 143.6 | 145.0 | 20- 30 | 71.66 | 135.0 | 26.4,26.4 |
| 40 | 130.0 | 134.2 | 135.4 | 133.2 | 128.8 | 124.9 | 123.4 | 125.4 | 30- 40 | 87.15 | 222.2 | 43.4,43.4 |
| 50 | 106.8 | 112.0 | 113.4 | 110.8 | 105.5 | 100.8 | 99.00 | 101.4 | 40- 50 | 91.26 | 313.4 | 61.3,61.3 |
| 60 | 79.57 | 85.53 | 87.30 | 84.30 | 78.11 | 72.82 | 70.78 | 73.29 | 50- 60 | 83.09 | 396.5 | 77.5,77.5 |
| 70 | 49.27 | 55.80 | 57.80 | 54.53 | 47.68 | 42.13 | 40.16 | 42.58 | 60- 70 | 63.37 | 459.9 | 89.9,89.9 |
| 80 | 18.86 | 24.98 | 26.98 | 23.82 | 16.35 | 13.30 | 12.33 | 13.95 | 70- 80 | 35.34 | 495.2 | 96.8,96.8 |
| 90 | 0.1757 | 3.041 | 4.298 | 2.851 | 0.1573 | 0.6650 | 0.4393 | 0.4179 | 80- 90 | 9.237 | 504.5 | 98.6,98.6 |
| 100 | 0.4139 | 0.3710 | 0.6787 | 0.5020 | 0.3622 | 0.4142 | 0.4400 | 0.4067 | 90-100 | 0.7934 | 505.3 | 98.8,98.8 |
| 110 | 0.7662 | 0.6752 | 0.6603 | 0.6888 | 0.6789 | 0.7068 | 0.7323 | 0.7014 | 100-110 | 0.5817 | 505.8 | 98.9,98.9 |
| 120 | 1.119 | 0.9986 | 0.9811 | 1.022 | 1.005 | 1.004 | 1.025 | 0.9960 | 110-120 | 0.8463 | 506.7 | 99,99 |
| 130 | 1.435 | 1.301 | 1.283 | 1.333 | 1.307 | 1.282 | 1.286 | 1.267 | 120-130 | 1.042 | 507.7 | 99.3,99.3 |
| 140 | 1.692 | 1.565 | 1.540 | 1.606 | 1.553 | 1.532 | 1.507 | 1.509 | 130-140 | 1.112 | 508.8 | 99.5,99.5 |
| 150 | 1.890 | 1.800 | 1.773 | 1.832 | 1.757 | 1.739 | 1.690 | 1.721 | 140-150 | 1.047 | 509.9 | 99.7,99.7 |
| 160 | 2.052 | 1.996 | 2.010 | 2.010 | 1.945 | 1.925 | 1.913 | 1.916 | 150-160 | 0.8647 | 510.8 | 99.8,99.8 |
| 170 | 2.212 | 2.191 | 2.222 | 2.196 | 2.153 | 2.146 | 2.153 | 2.139 | 160-170 | 0.5839 | 511.3 | 100,100 |
| 180 | 2.374 | 2.372 | 2.400 | 2.384 | 2.371 | 2.369 | 2.400 | 2.381 | 170-180 | 0.2149 | 511.6 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 277.22 lm

%lum = 54.2%

%lamp = 54.2%

Conical surface Flux(120deg): 396.53 lm

%lum = 77.5%

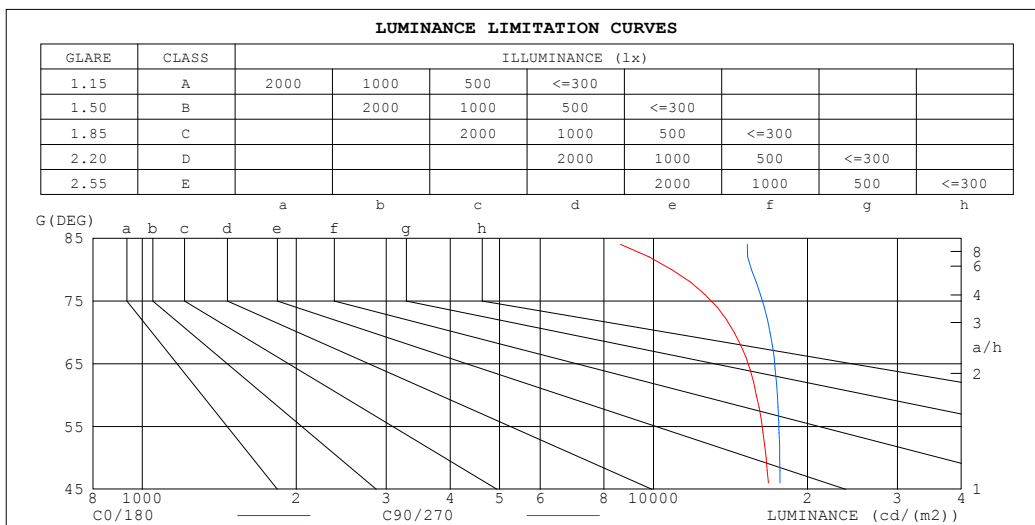
%lamp = 77.5%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-22

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 10330 | 18289 |
| 80 | 10849 | 15547 |
| 75 | 14185 | 17549 |
| 70 | 14389 | 16910 |
| 65 | 16031 | 17939 |
| 60 | 15895 | 17471 |
| 55 | 16783 | 18043 |
| 50 | 16601 | 17656 |
| 45 | 17124 | 17988 |

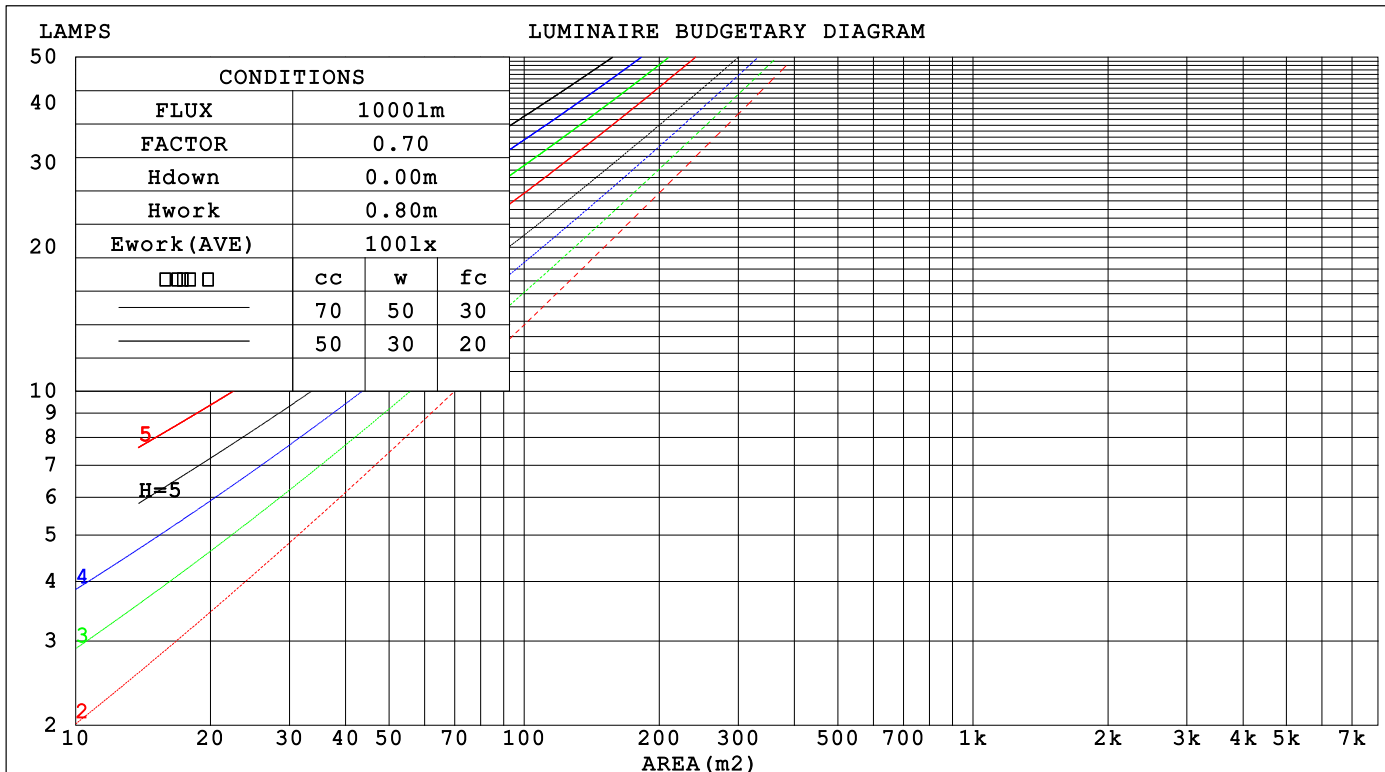
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-22

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | 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 | .310 | .176 | .056 | .302 | .172 | .055 | .288 | .165 | .053 | .275 | .159 | .051 | .263 | .153 | .049 | | |
| 2.0 | .292 | .160 | .049 | .285 | .157 | .048 | .273 | .152 | .047 | .261 | .147 | .046 | .251 | .142 | .045 | | |
| 3.0 | .270 | .144 | .043 | .264 | .142 | .043 | .253 | .137 | .042 | .243 | .133 | .041 | .234 | .129 | .040 | | |
| 4.0 | .250 | .130 | .038 | .244 | .128 | .038 | .235 | .124 | .037 | .225 | .121 | .037 | .217 | .118 | .036 | | |
| 5.0 | .231 | .118 | .034 | .226 | .116 | .034 | .217 | .113 | .033 | .209 | .110 | .033 | .202 | .108 | .032 | | |
| 6.0 | .214 | .107 | .031 | .210 | .106 | .031 | .202 | .104 | .030 | .195 | .101 | .030 | .188 | .099 | .029 | | |
| 7.0 | .199 | .098 | .028 | .195 | .097 | .028 | .188 | .095 | .027 | .182 | .093 | .027 | .176 | .091 | .027 | | |
| 8.0 | .186 | .091 | .026 | .183 | .090 | .025 | .176 | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 | | |
| 9.0 | .174 | .084 | .024 | .171 | .083 | .023 | .166 | .082 | .023 | .160 | .080 | .023 | .155 | .079 | .023 | | |
| 10.0 | .164 | .079 | .022 | .161 | .078 | .022 | .156 | .076 | .022 | .151 | .075 | .021 | .147 | .074 | .021 | | |

| <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 | .201 | .201 | .201 | .172 | .172 | .172 | .117 | .117 | .117 | .067 | .067 | .067 | .022 | .022 | .022 | | |
| 1.0 | .191 | .167 | .145 | .163 | .143 | .125 | .112 | .098 | .086 | .064 | .057 | .050 | .021 | .018 | .016 | | |
| 2.0 | .183 | .143 | .109 | .157 | .123 | .094 | .107 | .085 | .066 | .062 | .049 | .038 | .020 | .016 | .013 | | |
| 3.0 | .175 | .125 | .085 | .150 | .108 | .074 | .103 | .075 | .052 | .060 | .044 | .030 | .019 | .014 | .010 | | |
| 4.0 | .168 | .112 | .069 | .144 | .097 | .060 | .099 | .067 | .042 | .057 | .039 | .025 | .018 | .013 | .008 | | |
| 5.0 | .160 | .101 | .058 | .138 | .088 | .050 | .095 | .061 | .036 | .055 | .036 | .021 | .018 | .012 | .007 | | |
| 6.0 | .153 | .093 | .050 | .132 | .081 | .044 | .091 | .056 | .031 | .053 | .033 | .018 | .017 | .011 | .006 | | |
| 7.0 | .146 | .086 | .044 | .126 | .075 | .038 | .087 | .052 | .027 | .051 | .031 | .016 | .016 | .010 | .005 | | |
| 8.0 | .140 | .080 | .040 | .121 | .070 | .035 | .083 | .049 | .024 | .049 | .029 | .015 | .016 | .009 | .005 | | |
| 9.0 | .134 | .076 | .036 | .115 | .066 | .032 | .080 | .046 | .022 | .047 | .027 | .013 | .015 | .009 | .004 | | |
| 10.0 | .128 | .071 | .033 | .111 | .062 | .029 | .077 | .044 | .021 | .045 | .026 | .012 | .015 | .008 | .004 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|----------------------|---------------|----------------|------------------|------|------|------|
| NAME: 2835 IP20 | | | | | TYPE: 2835 70LED 24V | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.: 0.01*0.5 | | | 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 | 25.1 | 26.6 | 25.4 | 26.8 | 27.1 | 25.5 | 27.0 | 25.7 | 27.2 | 27.4 | |
| | 26.6 | 28.0 | 27.0 | 28.3 | 28.6 | 27.2 | 28.6 | 27.5 | 28.8 | 29.1 | |
| | 27.2 | 28.5 | 27.6 | 28.8 | 29.1 | 27.9 | 29.2 | 28.2 | 29.5 | 29.8 | |
| | 27.6 | 28.8 | 27.9 | 29.1 | 29.4 | 28.4 | 29.7 | 28.8 | 30.0 | 30.3 | |
| | 27.7 | 28.9 | 28.0 | 29.2 | 29.5 | 28.6 | 29.8 | 29.0 | 30.1 | 30.5 | |
| | 27.7 | 28.9 | 28.1 | 29.2 | 29.5 | 28.8 | 29.9 | 29.1 | 30.2 | 30.6 | |
| 4H | 2H | 25.8 | 27.1 | 26.2 | 27.4 | 27.7 | 26.1 | 27.4 | 26.4 | 27.7 | 28.0 |
| | 3H | 27.5 | 28.7 | 27.9 | 29.0 | 29.4 | 28.0 | 29.1 | 28.4 | 29.5 | 29.8 |
| | 4H | 28.3 | 29.3 | 28.7 | 29.7 | 30.0 | 28.8 | 29.9 | 29.2 | 30.2 | 30.6 |
| | 6H | 28.7 | 29.7 | 29.2 | 30.1 | 30.5 | 29.5 | 30.5 | 29.9 | 30.8 | 31.2 |
| | 8H | 28.9 | 29.8 | 29.3 | 30.2 | 30.6 | 29.8 | 30.7 | 30.2 | 31.0 | 31.5 |
| | 12H | 29.0 | 29.8 | 29.4 | 30.2 | 30.6 | 30.0 | 30.8 | 30.4 | 31.2 | 31.6 |
| 8H | 4H | 28.6 | 29.5 | 29.0 | 29.9 | 30.3 | 29.1 | 30.0 | 29.5 | 30.4 | 30.8 |
| | 6H | 29.3 | 30.0 | 29.7 | 30.4 | 30.9 | 30.0 | 30.7 | 30.4 | 31.1 | 31.6 |
| | 8H | 29.5 | 30.1 | 30.0 | 30.6 | 31.1 | 30.3 | 31.0 | 30.8 | 31.4 | 31.9 |
| | 12H | 29.6 | 30.2 | 30.1 | 30.6 | 31.2 | 30.6 | 31.2 | 31.1 | 31.7 | 32.2 |
| 12H | 4H | 28.6 | 29.4 | 29.1 | 29.8 | 30.3 | 29.1 | 29.9 | 29.6 | 30.3 | 30.8 |
| | 6H | 29.3 | 30.0 | 29.8 | 30.4 | 30.9 | 30.0 | 30.7 | 30.5 | 31.1 | 31.6 |
| | 8H | 29.6 | 30.2 | 30.1 | 30.6 | 31.1 | 30.4 | 31.0 | 30.9 | 31.5 | 32.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.1 / - 0.3 | | | | | |

CIE Pub.117, 511.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.3)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |

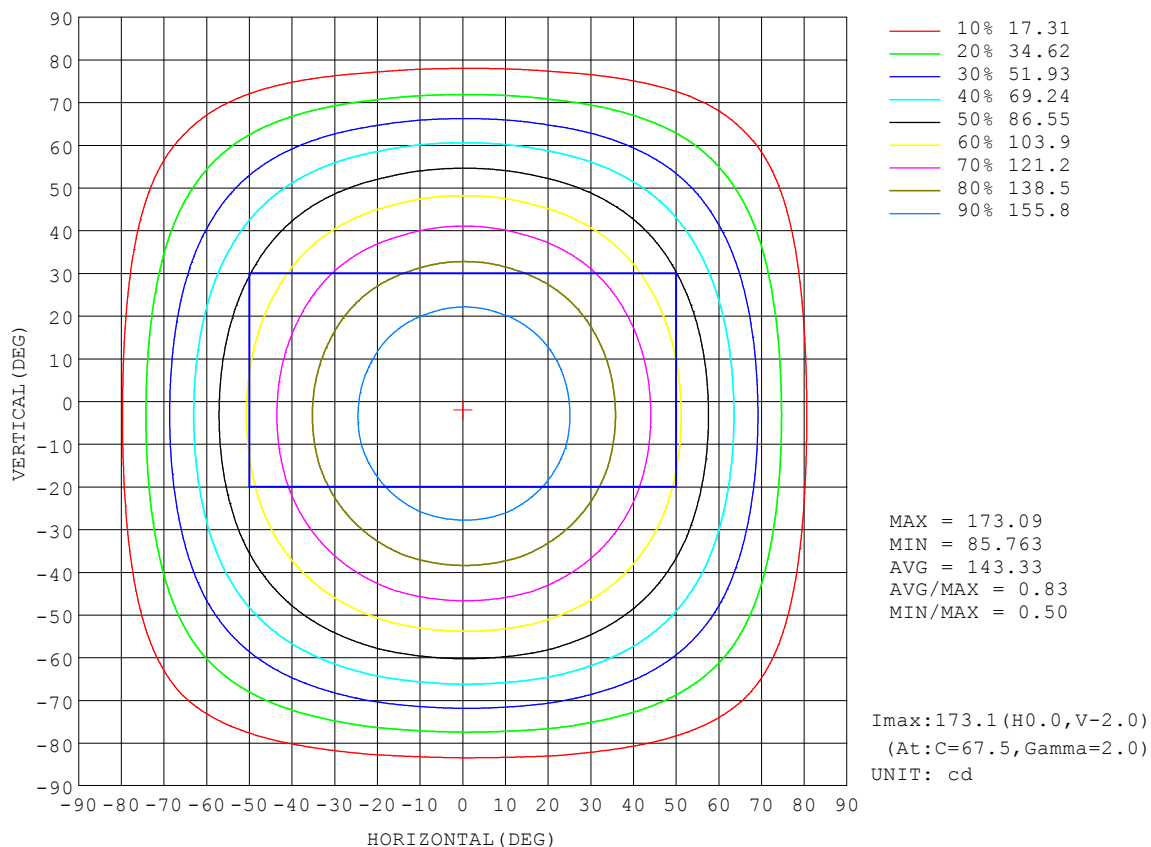
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 31 |
| 0.80 | 67 | 55 | 48 | 66 | 55 | 48 | 64 | 54 | 47 | 40 |
| 1.00 | 75 | 64 | 57 | 74 | 63 | 56 | 72 | 65 | 56 | 48 |
| 1.25 | 82 | 72 | 65 | 81 | 71 | 64 | 78 | 69 | 63 | 56 |
| 1.50 | 87 | 77 | 70 | 86 | 77 | 70 | 83 | 75 | 69 | 61 |
| 2.00 | 94 | 86 | 79 | 92 | 84 | 78 | 89 | 82 | 77 | 69 |
| 2.50 | 98 | 91 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 73 |
| 3.00 | 102 | 95 | 89 | 99 | 93 | 88 | 95 | 90 | 86 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 94 | 99 | 95 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 98 | 101 | 97 | 94 | 85 |
| 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: 25.3DEG
Operators:
Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |

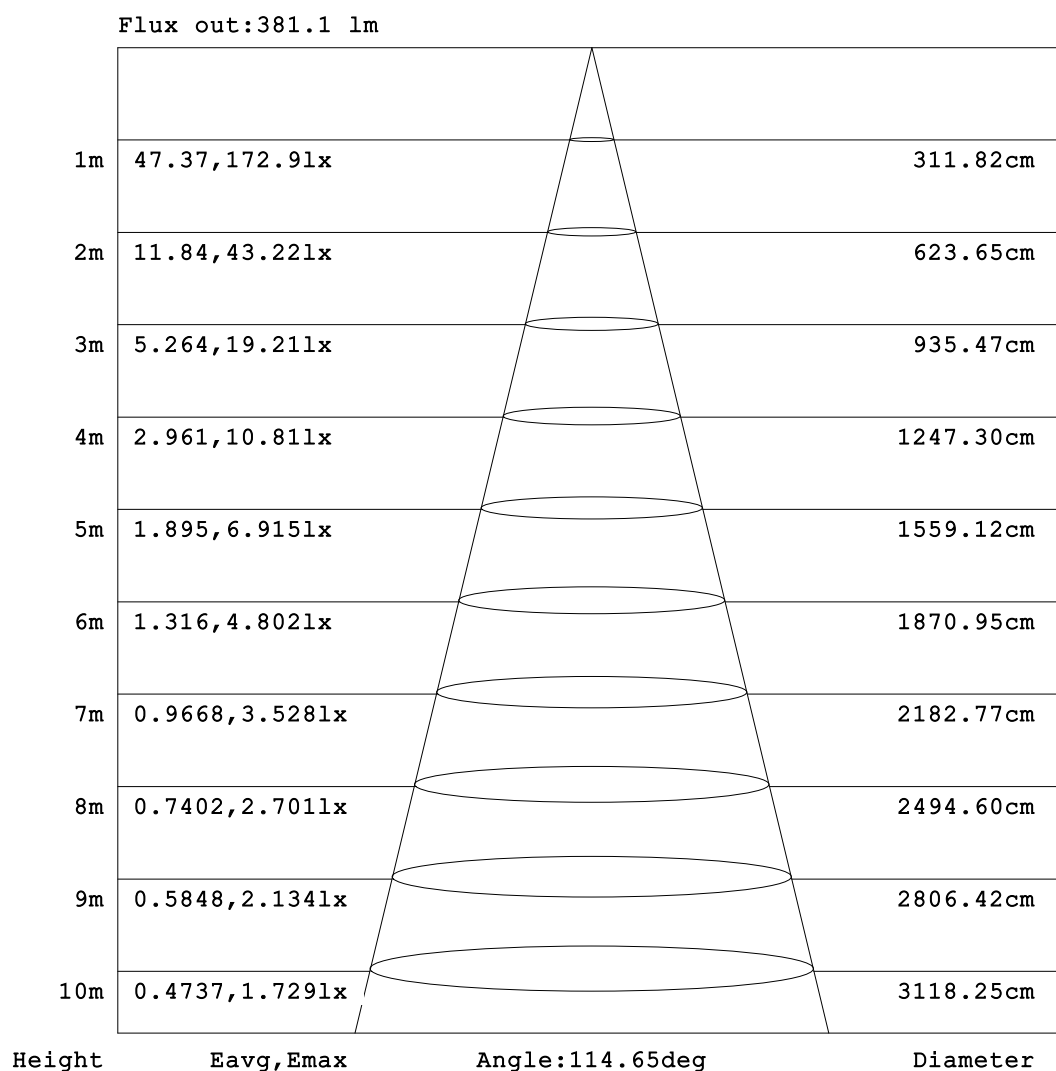


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

AAI Figure

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |



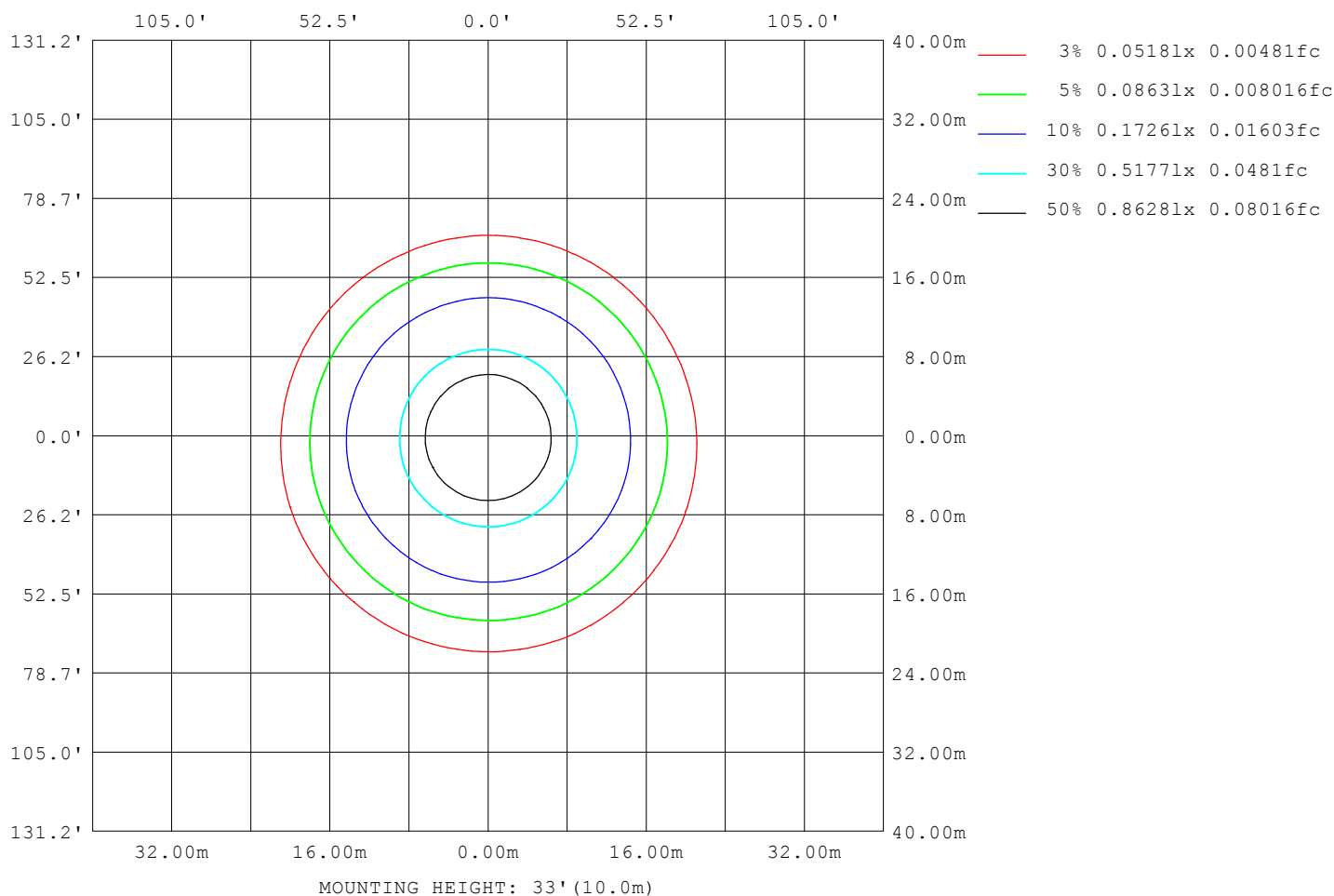
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:5.749m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | Shielding Angle: |

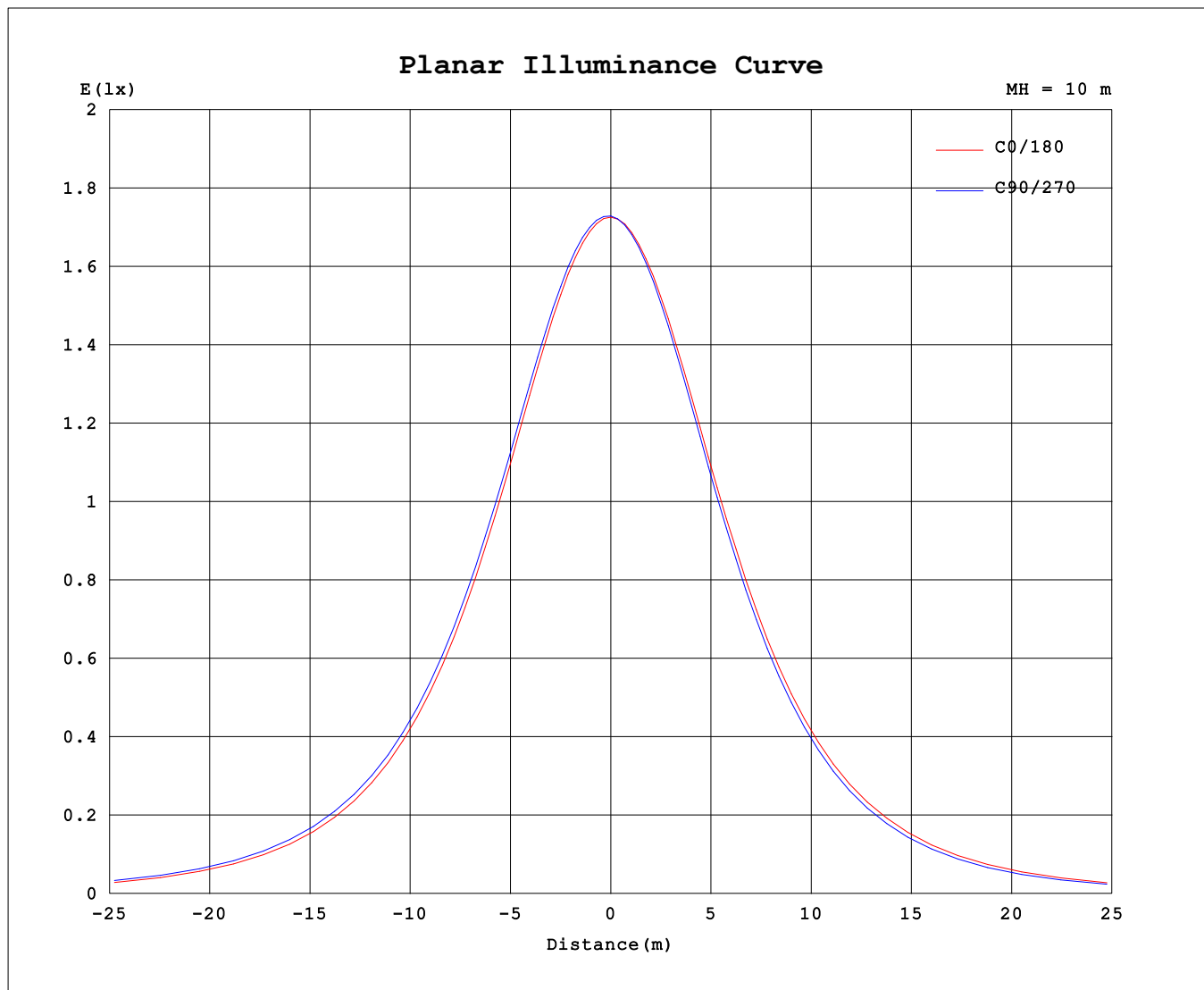
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 15140 |
| L_0~180 (75) av | 12720 |
| L_0~180 (85) av | 6940 |
| L_90~270 (65) av | 15200 |
| L_90~270 (75) av | 13057 |
| L_90~270 (85) av | 9599 |
| L_45 (65) av | 15183 |
| L_45 (75) av | 12899 |
| L_45 (85) av | 8725 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-22

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|-----------------|----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 70LED 24V | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.01*0.5 | 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 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | | | |
| 5 | 172 | 173 | 173 | 173 | 173 | 173 | 173 | 173 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | | | |
| 10 | 170 | 171 | 171 | 172 | 172 | 172 | 171 | 171 | 170 | 169 | 169 | 168 | 168 | 168 | 169 | 169 | | | |
| 15 | 168 | 169 | 169 | 170 | 170 | 169 | 169 | 168 | 167 | 166 | 166 | 165 | 165 | 165 | 166 | 167 | | | |
| 20 | 162 | 163 | 164 | 165 | 165 | 165 | 164 | 163 | 161 | 160 | 159 | 158 | 158 | 159 | 160 | 161 | | | |
| 25 | 157 | 159 | 160 | 161 | 161 | 160 | 159 | 158 | 156 | 155 | 154 | 153 | 153 | 153 | 154 | 156 | | | |
| 30 | 148 | 150 | 152 | 153 | 153 | 152 | 151 | 150 | 148 | 146 | 145 | 143 | 144 | 144 | 145 | 146 | | | |
| 35 | 142 | 144 | 145 | 146 | 146 | 146 | 144 | 143 | 141 | 138 | 137 | 136 | 136 | 136 | 138 | 139 | | | |
| 40 | 130 | 133 | 134 | 136 | 135 | 135 | 133 | 131 | 129 | 126 | 125 | 123 | 123 | 124 | 125 | 127 | | | |
| 45 | 121 | 124 | 126 | 127 | 127 | 127 | 125 | 123 | 120 | 117 | 116 | 114 | 114 | 114 | 116 | 118 | | | |
| 50 | 107 | 110 | 112 | 114 | 113 | 113 | 111 | 109 | 106 | 103 | 101 | 99.0 | 99.0 | 99.4 | 101 | 104 | | | |
| 55 | 96.4 | 99.8 | 102 | 104 | 103 | 103 | 101 | 98.4 | 95.0 | 91.9 | 90.1 | 88.2 | 88.1 | 88.5 | 90.5 | 92.9 | | | |
| 60 | 79.6 | 83.3 | 85.5 | 87.5 | 87.3 | 86.6 | 84.3 | 81.8 | 78.1 | 74.8 | 72.8 | 71.0 | 70.8 | 71.3 | 73.3 | 75.8 | | | |
| 65 | 67.8 | 71.6 | 74.0 | 76.0 | 75.8 | 75.1 | 72.8 | 70.0 | 66.2 | 62.9 | 60.8 | 58.9 | 58.7 | 59.2 | 61.2 | 63.8 | | | |
| 70 | 49.3 | 53.2 | 55.8 | 57.8 | 57.8 | 57.0 | 54.5 | 51.6 | 47.7 | 44.3 | 42.1 | 40.3 | 40.2 | 40.6 | 42.6 | 45.1 | | | |
| 75 | 36.8 | 40.6 | 43.3 | 45.4 | 45.4 | 44.5 | 42.1 | 39.1 | 35.2 | 31.9 | 29.9 | 28.2 | 28.2 | 28.6 | 30.4 | 32.7 | | | |
| 80 | 18.9 | 22.4 | 25.0 | 27.0 | 27.0 | 26.2 | 23.8 | 21.1 | 16.3 | 14.6 | 13.3 | 12.2 | 12.3 | 12.7 | 14.0 | 15.6 | | | |
| 85 | 9.01 | 11.9 | 14.1 | 15.9 | 15.9 | 15.1 | 13.1 | 10.8 | 6.99 | 5.71 | 5.24 | 4.65 | 4.62 | 4.75 | 5.61 | 6.78 | | | |
| 90 | 0.18 | 1.78 | 3.04 | 4.17 | 4.30 | 3.84 | 2.85 | 1.85 | 0.16 | 0.66 | 0.67 | 0.57 | 0.44 | 0.41 | 0.42 | 0.50 | | | |
| 95 | 0.24 | 0.29 | 0.73 | 1.38 | 1.70 | 1.67 | 1.25 | 0.66 | 0.22 | 0.25 | 0.40 | 0.41 | 0.40 | 0.39 | 0.35 | 0.25 | | | |
| 100 | 0.41 | 0.37 | 0.37 | 0.49 | 0.68 | 0.67 | 0.50 | 0.39 | 0.36 | 0.38 | 0.41 | 0.44 | 0.44 | 0.43 | 0.41 | 0.38 | | | |
| 105 | 0.55 | 0.50 | 0.48 | 0.47 | 0.50 | 0.50 | 0.49 | 0.52 | 0.49 | 0.50 | 0.52 | 0.55 | 0.55 | 0.54 | 0.52 | 0.49 | | | |
| 110 | 0.77 | 0.70 | 0.68 | 0.66 | 0.66 | 0.67 | 0.69 | 0.72 | 0.68 | 0.68 | 0.71 | 0.72 | 0.73 | 0.72 | 0.70 | 0.67 | | | |
| 115 | 0.91 | 0.83 | 0.80 | 0.79 | 0.79 | 0.79 | 0.82 | 0.85 | 0.81 | 0.80 | 0.83 | 0.84 | 0.85 | 0.84 | 0.81 | 0.79 | | | |
| 120 | 1.12 | 1.03 | 1.00 | 0.98 | 0.98 | 0.99 | 1.02 | 1.06 | 1.01 | 0.99 | 1.00 | 1.02 | 1.02 | 1.01 | 1.00 | 0.98 | | | |
| 125 | 1.26 | 1.16 | 1.12 | 1.11 | 1.11 | 1.12 | 1.15 | 1.19 | 1.13 | 1.12 | 1.12 | 1.13 | 1.13 | 1.13 | 1.11 | 1.10 | | | |
| 130 | 1.44 | 1.35 | 1.30 | 1.28 | 1.28 | 1.31 | 1.33 | 1.38 | 1.31 | 1.30 | 1.28 | 1.29 | 1.29 | 1.29 | 1.27 | 1.27 | | | |
| 135 | 1.54 | 1.47 | 1.41 | 1.39 | 1.39 | 1.42 | 1.45 | 1.50 | 1.41 | 1.40 | 1.39 | 1.38 | 1.38 | 1.38 | 1.37 | 1.38 | | | |
| 140 | 1.69 | 1.62 | 1.56 | 1.54 | 1.54 | 1.58 | 1.61 | 1.65 | 1.55 | 1.54 | 1.53 | 1.52 | 1.51 | 1.51 | 1.51 | 1.53 | | | |
| 145 | 1.78 | 1.71 | 1.66 | 1.63 | 1.63 | 1.68 | 1.70 | 1.74 | 1.64 | 1.63 | 1.62 | 1.61 | 1.58 | 1.59 | 1.59 | 1.62 | | | |
| 150 | 1.89 | 1.84 | 1.80 | 1.76 | 1.77 | 1.82 | 1.83 | 1.85 | 1.76 | 1.74 | 1.74 | 1.73 | 1.69 | 1.71 | 1.72 | 1.75 | | | |
| 155 | 1.96 | 1.92 | 1.88 | 1.85 | 1.87 | 1.91 | 1.91 | 1.93 | 1.83 | 1.82 | 1.81 | 1.81 | 1.78 | 1.78 | 1.80 | 1.82 | | | |
| 160 | 2.05 | 2.03 | 2.00 | 1.97 | 2.01 | 2.02 | 2.01 | 2.03 | 1.95 | 1.93 | 1.92 | 1.93 | 1.91 | 1.90 | 1.92 | 1.94 | | | |
| 165 | 2.11 | 2.10 | 2.07 | 2.05 | 2.11 | 2.09 | 2.08 | 2.10 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 1.98 | 2.00 | 2.03 | | | |
| 170 | 2.21 | 2.21 | 2.19 | 2.18 | 2.22 | 2.21 | 2.20 | 2.21 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.12 | 2.14 | 2.17 | | | |
| 175 | 2.28 | 2.28 | 2.27 | 2.27 | 2.31 | 2.29 | 2.28 | 2.29 | 2.25 | 2.24 | 2.24 | 2.25 | 2.26 | 2.23 | 2.24 | 2.26 | | | |
| 180 | 2.37 | 2.37 | 2.37 | 2.38 | 2.40 | 2.38 | 2.38 | 2.39 | 2.37 | 2.37 | 2.37 | 2.38 | 2.40 | 2.38 | 2.38 | 2.39 | | | |

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