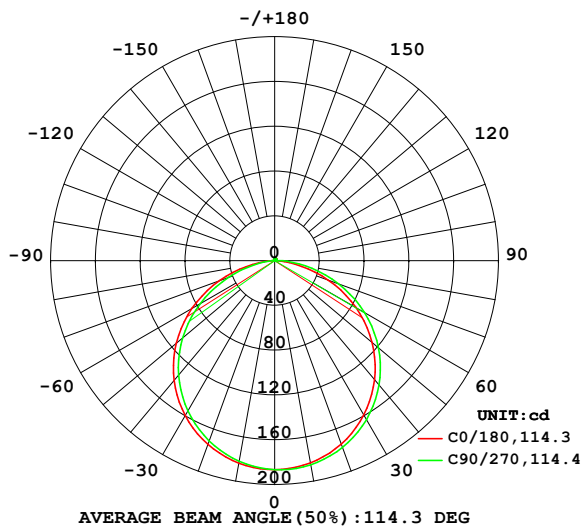


LUMINAIRE PHOTOMETRIC TEST REPORT

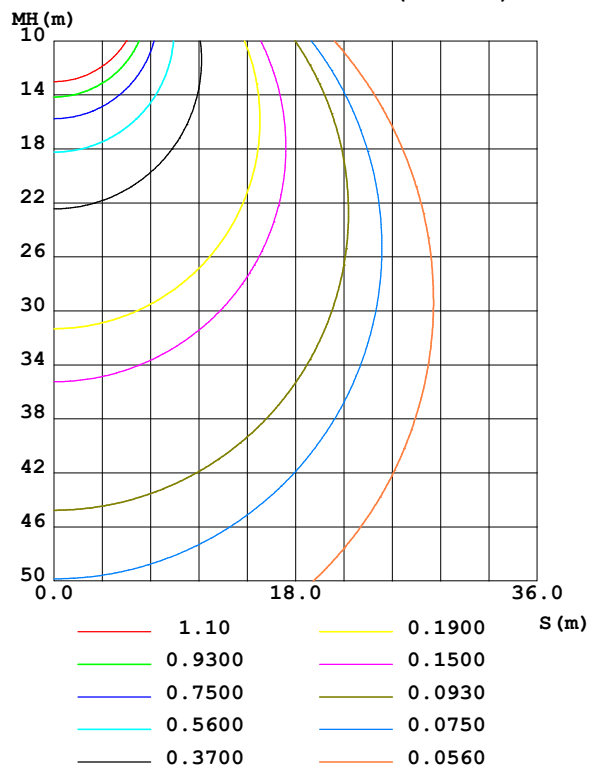
| | | |
|---------------------|-----------------------|------------------|
| NAME: 2835 IP20 | TYPE: 2835 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 116.75 lm/W |
|------------------|-------|-----------------------|--------|-------------------|----------|------------------|
| MODEL | 2700K | I _{max} (cd) | 186.9 | 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) | 550.00 | □ UP,DN(C0-180) | 0.7,51.6 | |
| NOMINAL FLUX(lm) | 6.875 | CIE CLASS | DIRECT | □ UP,DN(C180-360) | 0.6,47.0 | |
| LAMPS INSIDE | 80 | □ 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: 2022-03-17

□ 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 | 183.5 | 184.6 | 185.1 | 184.8 | 183.7 | 182.6 | 182.0 | 182.4 | 0- 10 | 17.67 | 17.67 | 3.21,3.21 |
| 20 | 174.2 | 176.4 | 177.5 | 176.8 | 174.6 | 172.5 | 171.3 | 172.2 | 10- 20 | 50.74 | 68.41 | 12.4,12.4 |
| 30 | 159.3 | 162.4 | 164.0 | 163.0 | 159.8 | 156.6 | 155.0 | 156.2 | 20- 30 | 77.29 | 145.7 | 26.5,26.5 |
| 40 | 138.8 | 142.8 | 145.0 | 143.8 | 139.7 | 135.6 | 133.4 | 135.0 | 30- 40 | 93.84 | 239.5 | 43.6,43.6 |
| 50 | 113.5 | 118.3 | 121.0 | 119.6 | 114.6 | 109.6 | 107.1 | 108.9 | 40- 50 | 98.10 | 337.6 | 61.4,61.4 |
| 60 | 83.85 | 89.39 | 92.56 | 91.09 | 85.14 | 79.49 | 76.74 | 78.67 | 50- 60 | 89.13 | 426.8 | 77.6,77.6 |
| 70 | 51.07 | 57.08 | 60.75 | 59.13 | 52.49 | 46.56 | 43.89 | 45.66 | 60- 70 | 67.78 | 494.5 | 89.9,89.9 |
| 80 | 18.86 | 24.24 | 27.90 | 26.41 | 20.24 | 15.71 | 14.15 | 14.92 | 70- 80 | 37.73 | 532.3 | 96.8,96.8 |
| 90 | 0.1930 | 2.984 | 4.775 | 3.851 | 0.1550 | 0.6713 | 0.4222 | 0.6708 | 80- 90 | 10.11 | 542.4 | 98.6,98.6 |
| 100 | 0.4594 | 0.4023 | 0.6618 | 0.4119 | 0.3696 | 0.4167 | 0.4637 | 0.4423 | 90-100 | 0.8542 | 543.2 | 98.8,98.8 |
| 110 | 0.8405 | 0.7419 | 0.7125 | 0.7363 | 0.7079 | 0.7379 | 0.7750 | 0.7561 | 100-110 | 0.6164 | 543.8 | 98.9,98.9 |
| 120 | 1.224 | 1.089 | 1.062 | 1.088 | 1.060 | 1.054 | 1.093 | 1.077 | 110-120 | 0.9076 | 544.8 | 99,99 |
| 130 | 1.562 | 1.418 | 1.383 | 1.423 | 1.389 | 1.368 | 1.383 | 1.374 | 120-130 | 1.121 | 545.9 | 99.2,99.2 |
| 140 | 1.834 | 1.701 | 1.663 | 1.720 | 1.663 | 1.637 | 1.626 | 1.631 | 130-140 | 1.198 | 547.1 | 99.5,99.5 |
| 150 | 2.049 | 1.951 | 1.908 | 1.965 | 1.887 | 1.870 | 1.830 | 1.868 | 140-150 | 1.130 | 548.2 | 99.7,99.7 |
| 160 | 2.225 | 2.160 | 2.169 | 2.170 | 2.097 | 2.077 | 2.072 | 2.082 | 150-160 | 0.9342 | 549.1 | 99.8,99.8 |
| 170 | 2.399 | 2.372 | 2.407 | 2.374 | 2.330 | 2.315 | 2.334 | 2.322 | 160-170 | 0.6315 | 549.8 | 100,100 |
| 180 | 2.568 | 2.565 | 2.595 | 2.581 | 2.566 | 2.562 | 2.597 | 2.581 | 170-180 | 0.2325 | 550.0 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 298.73 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 426.76 lm

%lum = 77.6%

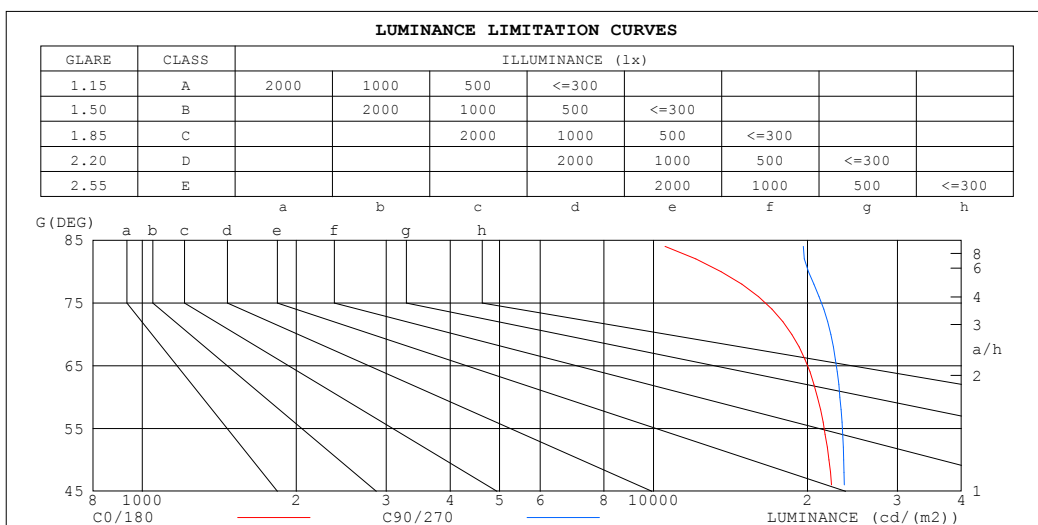
%lamp = 77.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-17

□ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 12630 | 23559 |
| 80 | 13550 | 20099 |
| 75 | 18163 | 22927 |
| 70 | 18632 | 22219 |
| 65 | 20989 | 23725 |
| 60 | 20926 | 23158 |
| 55 | 22208 | 24012 |
| 50 | 22036 | 23543 |
| 45 | 22804 | 24054 |

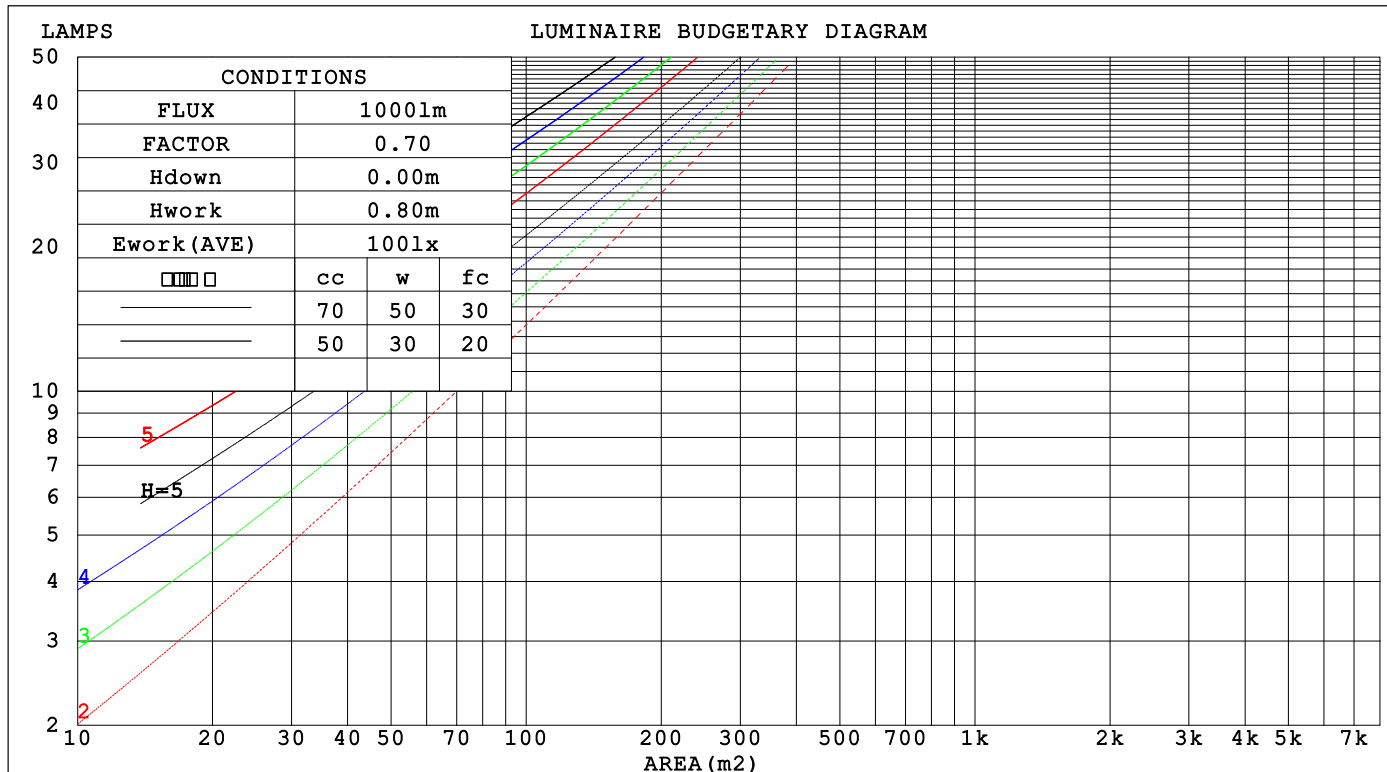
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*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 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 | .99 |
| 1.0 | 1.04 | .99 | .95 | 1.01 | .97 | .94 | .97 | .93 | .90 | .92 | .90 | .87 | .89 | .87 | .85 | .82 |
| 2.0 | .90 | .83 | .77 | .88 | .82 | .76 | .84 | .79 | .74 | .81 | .76 | .73 | .78 | .74 | .71 | .68 |
| 3.0 | .79 | .71 | .64 | .77 | .70 | .64 | .74 | .68 | .62 | .71 | .66 | .61 | .68 | .64 | .60 | .57 |
| 4.0 | .70 | .61 | .54 | .68 | .60 | .54 | .66 | .59 | .53 | .63 | .57 | .52 | .61 | .56 | .51 | .49 |
| 5.0 | .62 | .53 | .47 | .61 | .53 | .46 | .59 | .51 | .46 | .57 | .50 | .45 | .55 | .49 | .44 | .42 |
| 6.0 | .56 | .47 | .41 | .55 | .47 | .40 | .53 | .46 | .40 | .51 | .45 | .39 | .50 | .44 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .42 | .36 | .48 | .41 | .35 | .47 | .40 | .35 | .45 | .39 | .35 | .33 |
| 8.0 | .46 | .38 | .32 | .46 | .37 | .32 | .44 | .37 | .31 | .43 | .36 | .31 | .41 | .35 | .31 | .29 |
| 9.0 | .42 | .34 | .29 | .42 | .34 | .29 | .41 | .33 | .28 | .39 | .33 | .28 | .38 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .39 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .25 | .35 | .30 | .25 | .24 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-17

□ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*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 .146 .046 | .251 .142 .045 | |
| 3.0 | .270 .144 .043 | .264 .141 .043 | .253 .137 .042 | .243 .133 .041 | .233 .129 .040 | |
| 4.0 | .249 .130 .038 | .244 .128 .038 | .234 .124 .037 | .225 .121 .036 | .217 .118 .036 | |
| 5.0 | .230 .117 .034 | .226 .116 .034 | .217 .113 .033 | .209 .110 .033 | .201 .108 .032 | |
| 6.0 | .214 .107 .031 | .210 .106 .030 | .202 .103 .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 | .182 .090 .025 | .176 .088 .025 | .170 .086 .025 | .165 .085 .025 | |
| 9.0 | .174 .084 .024 | .171 .083 .023 | .165 .082 .023 | .160 .080 .023 | .155 .079 .023 | |
| 10.0 | .164 .078 .022 | .161 .078 .022 | .156 .076 .022 | .151 .075 .021 | .146 .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 | .120 .070 .035 | .083 .049 .025 | .048 .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 | .110 .062 .029 | .077 .044 .021 | .045 .026 .012 | .014 .008 .004 | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-17

☐ 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 160LED 24V | | | WEIGHT: | | | |
| SPEC.: 202-10017-00 | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.: 0.008*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 | 25.7 | 27.2 | 26.0 | 27.5 | 27.7 | 26.1 | 27.6 | 26.4 | 27.8 | 28.1 | |
| | 27.2 | 28.6 | 27.5 | 28.9 | 29.1 | 27.8 | 29.2 | 28.1 | 29.4 | 29.7 | |
| | 27.8 | 29.1 | 28.1 | 29.4 | 29.6 | 28.5 | 29.8 | 28.8 | 30.1 | 30.4 | |
| | 28.1 | 29.3 | 28.4 | 29.6 | 29.9 | 29.0 | 30.2 | 29.4 | 30.5 | 30.9 | |
| | 28.2 | 29.4 | 28.5 | 29.7 | 30.0 | 29.2 | 30.4 | 29.5 | 30.7 | 31.0 | |
| | 28.2 | 29.3 | 28.6 | 29.7 | 30.0 | 29.3 | 30.5 | 29.7 | 30.8 | 31.1 | |
| 4H | 2H | 26.4 | 27.7 | 26.8 | 28.0 | 28.3 | 26.7 | 28.0 | 27.0 | 28.3 | 28.6 |
| | 3H | 28.1 | 29.2 | 28.5 | 29.6 | 29.9 | 28.6 | 29.7 | 28.9 | 30.0 | 30.4 |
| | 4H | 28.8 | 29.8 | 29.2 | 30.2 | 30.5 | 29.4 | 30.4 | 29.8 | 30.8 | 31.2 |
| | 6H | 29.2 | 30.1 | 29.6 | 30.5 | 30.9 | 30.1 | 31.0 | 30.5 | 31.4 | 31.8 |
| | 8H | 29.3 | 30.2 | 29.8 | 30.6 | 31.0 | 30.3 | 31.2 | 30.7 | 31.6 | 32.0 |
| | 12H | 29.4 | 30.2 | 29.8 | 30.6 | 31.0 | 30.5 | 31.3 | 30.9 | 31.7 | 32.1 |
| 8H | 4H | 29.1 | 30.0 | 29.5 | 30.3 | 30.8 | 29.6 | 30.5 | 30.1 | 30.9 | 31.3 |
| | 6H | 29.7 | 30.4 | 30.1 | 30.8 | 31.3 | 30.5 | 31.2 | 30.9 | 31.6 | 32.1 |
| | 8H | 29.9 | 30.5 | 30.4 | 31.0 | 31.4 | 30.8 | 31.4 | 31.3 | 31.9 | 32.4 |
| | 12H | 30.0 | 30.5 | 30.5 | 31.0 | 31.5 | 31.1 | 31.6 | 31.6 | 32.1 | 32.6 |
| 12H | 4H | 29.1 | 29.9 | 29.6 | 30.3 | 30.8 | 29.6 | 30.4 | 30.1 | 30.9 | 31.3 |
| | 6H | 29.8 | 30.4 | 30.2 | 30.8 | 31.3 | 30.5 | 31.1 | 31.0 | 31.6 | 32.1 |
| | 8H | 30.0 | 30.5 | 30.5 | 31.0 | 31.5 | 30.9 | 31.4 | 31.4 | 31.9 | 32.4 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 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, 550.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.1)
Area: 0.008 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |

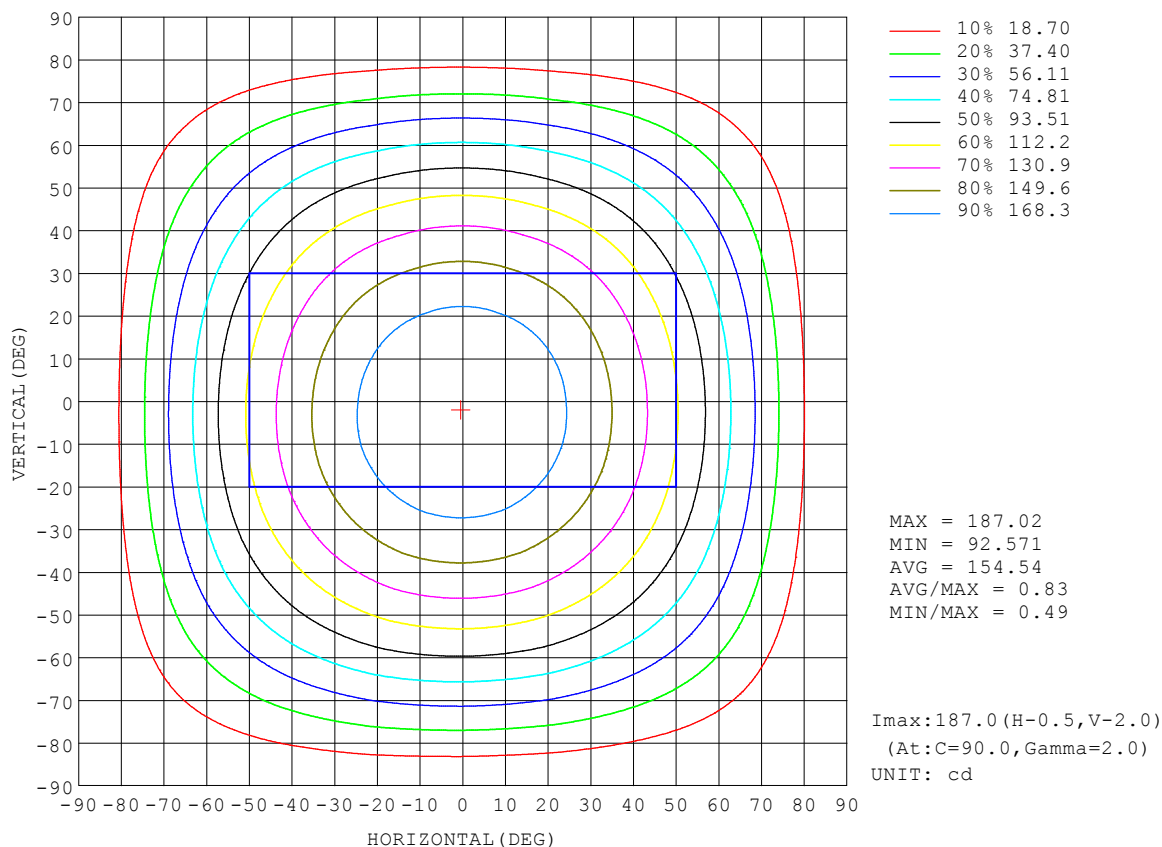
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 64 | 56 | 72 | 65 | 56 | 49 |
| 1.25 | 82 | 72 | 65 | 81 | 71 | 64 | 78 | 70 | 63 | 56 |
| 1.50 | 88 | 78 | 70 | 86 | 77 | 70 | 83 | 75 | 69 | 61 |
| 2.00 | 94 | 86 | 79 | 92 | 85 | 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: 2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |

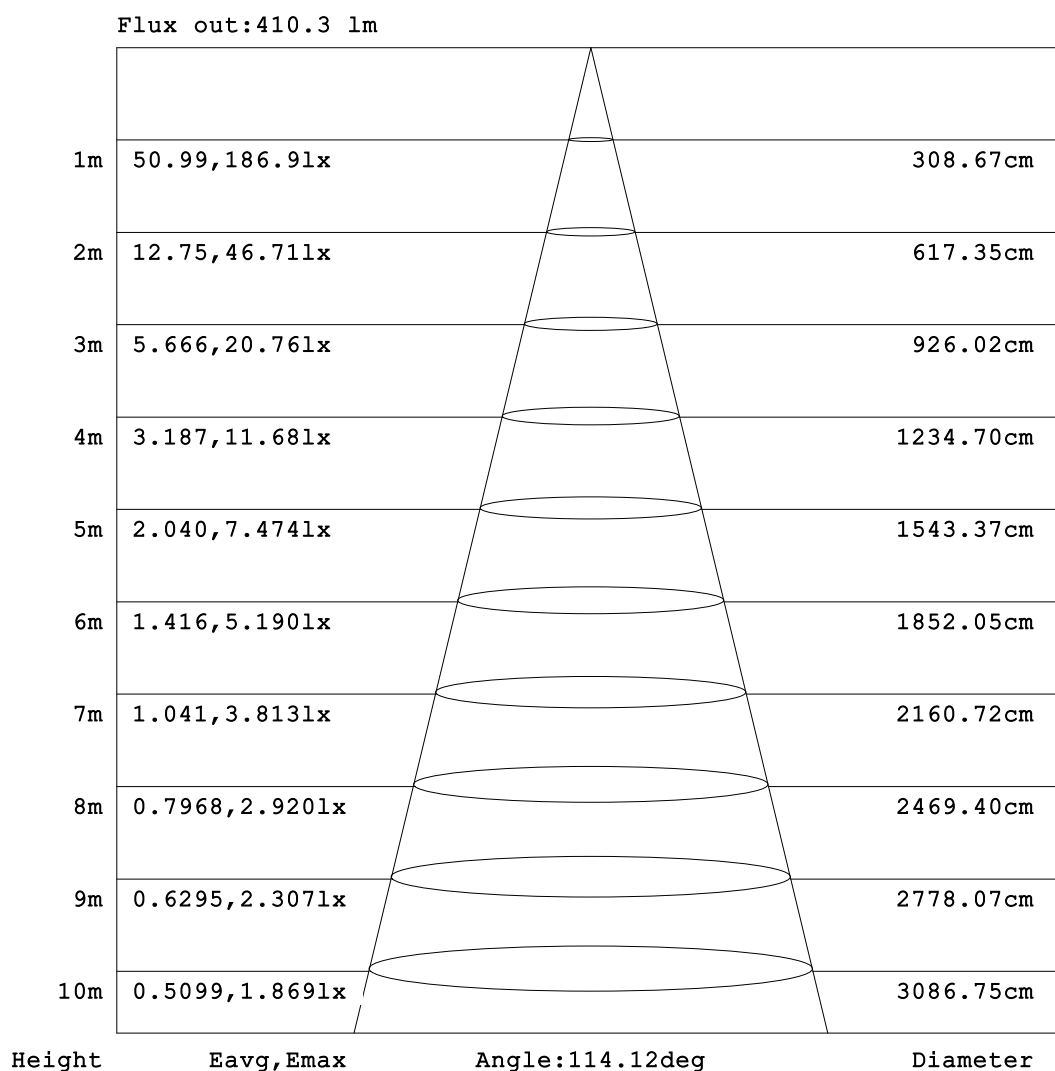


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |



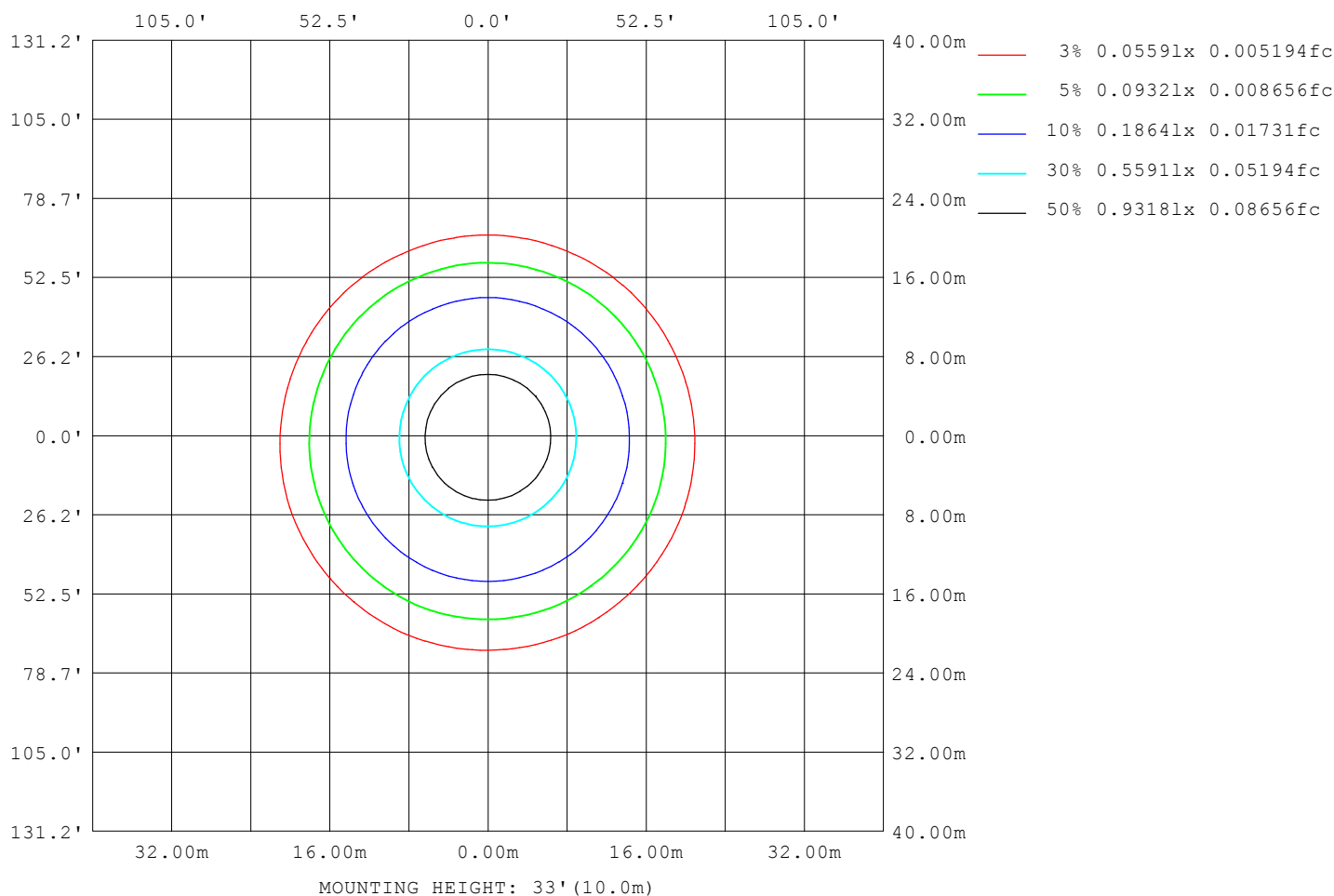
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*0.5 | Shielding Angle: |

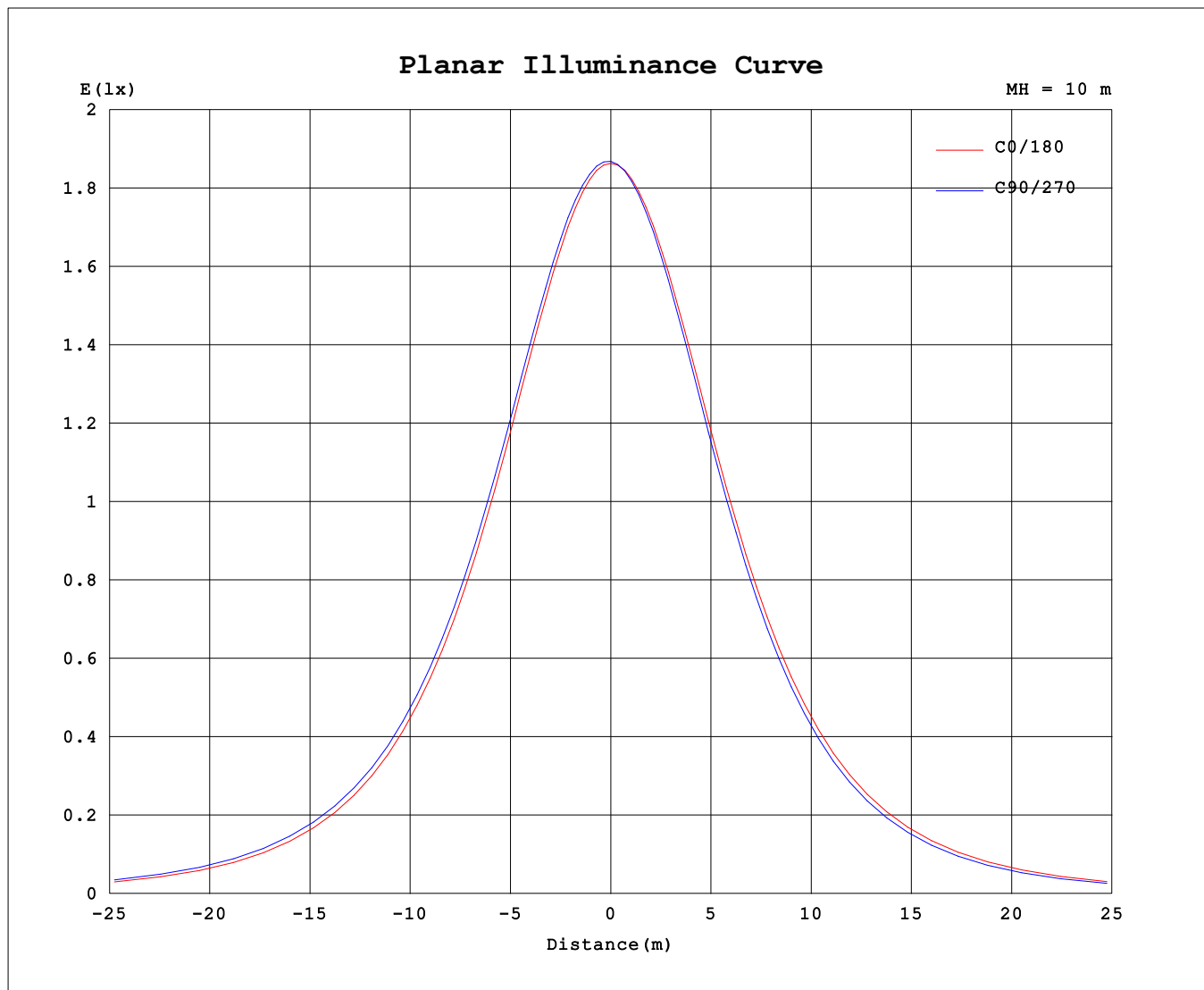
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 20251 |
| L_0~180 (75) av | 16959 |
| L_0~180 (85) av | 10311 |
| L_90~270 (65) av | 20324 |
| L_90~270 (75) av | 17406 |
| L_90~270 (85) av | 13093 |
| L_45 (65) av | 20300 |
| L_45 (75) av | 17203 |
| L_45 (85) av | 11980 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-17

☐ 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: 2022-03-17

☐ 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 160LED 24V | WEIGHT: |
| SPEC.: 202-10017-00 | DIM.: | SERIAL No.: |
| MFR.: | SUR.: 0.008*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 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | | | |
| 5 | 186 | 186 | 187 | 187 | 187 | 187 | 187 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | 186 | | | |
| 10 | 183 | 184 | 185 | 185 | 185 | 185 | 185 | 184 | 184 | 183 | 183 | 182 | 182 | 182 | 182 | 183 | | | |
| 15 | 180 | 181 | 182 | 183 | 183 | 183 | 182 | 182 | 181 | 180 | 179 | 179 | 178 | 178 | 179 | 180 | | | |
| 20 | 174 | 175 | 176 | 177 | 177 | 177 | 177 | 176 | 175 | 173 | 172 | 172 | 171 | 171 | 172 | 173 | | | |
| 25 | 169 | 170 | 171 | 172 | 173 | 173 | 172 | 171 | 169 | 168 | 167 | 166 | 165 | 165 | 166 | 167 | | | |
| 30 | 159 | 161 | 162 | 164 | 164 | 164 | 163 | 162 | 160 | 158 | 157 | 155 | 155 | 155 | 156 | 157 | | | |
| 35 | 152 | 154 | 155 | 157 | 157 | 157 | 156 | 154 | 152 | 150 | 149 | 147 | 147 | 147 | 148 | 150 | | | |
| 40 | 139 | 141 | 143 | 145 | 145 | 145 | 144 | 142 | 140 | 137 | 136 | 134 | 133 | 133 | 135 | 137 | | | |
| 45 | 129 | 132 | 134 | 135 | 136 | 136 | 135 | 133 | 130 | 127 | 126 | 124 | 123 | 123 | 125 | 127 | | | |
| 50 | 114 | 116 | 118 | 120 | 121 | 121 | 120 | 118 | 115 | 112 | 110 | 107 | 107 | 107 | 109 | 111 | | | |
| 55 | 102 | 105 | 107 | 110 | 110 | 110 | 109 | 107 | 103 | 100 | 98.0 | 95.6 | 95.4 | 95.3 | 97.3 | 99.1 | | | |
| 60 | 83.9 | 87.0 | 89.4 | 91.9 | 92.6 | 92.9 | 91.1 | 88.7 | 85.1 | 81.7 | 79.5 | 77.0 | 76.7 | 76.7 | 78.7 | 80.6 | | | |
| 65 | 71.1 | 74.3 | 76.6 | 79.4 | 80.2 | 80.5 | 78.6 | 76.2 | 72.4 | 68.9 | 66.6 | 64.1 | 63.8 | 63.8 | 65.7 | 67.8 | | | |
| 70 | 51.1 | 54.4 | 57.1 | 59.8 | 60.7 | 61.0 | 59.1 | 56.5 | 52.5 | 48.9 | 46.6 | 44.2 | 43.9 | 43.8 | 45.7 | 47.7 | | | |
| 75 | 37.7 | 40.9 | 43.7 | 46.4 | 47.4 | 47.7 | 45.8 | 43.1 | 39.2 | 35.6 | 33.4 | 31.3 | 31.1 | 30.9 | 32.6 | 34.3 | | | |
| 80 | 18.9 | 21.7 | 24.2 | 26.8 | 27.9 | 28.1 | 26.4 | 23.8 | 20.2 | 17.3 | 15.7 | 14.3 | 14.2 | 13.9 | 14.9 | 16.1 | | | |
| 85 | 8.82 | 11.0 | 13.1 | 15.4 | 16.4 | 16.6 | 15.1 | 12.8 | 9.68 | 7.76 | 6.90 | 6.03 | 5.91 | 5.73 | 6.28 | 6.94 | | | |
| 90 | 0.19 | 1.85 | 2.98 | 4.15 | 4.77 | 4.84 | 3.85 | 2.22 | 0.16 | 0.79 | 0.67 | 0.47 | 0.42 | 0.49 | 0.67 | 0.71 | | | |
| 95 | 0.27 | 0.43 | 1.04 | 1.76 | 2.06 | 1.84 | 1.15 | 0.41 | 0.22 | 0.25 | 0.29 | 0.31 | 0.31 | 0.33 | 0.32 | 0.27 | | | |
| 100 | 0.46 | 0.42 | 0.40 | 0.55 | 0.66 | 0.61 | 0.41 | 0.41 | 0.37 | 0.39 | 0.42 | 0.45 | 0.46 | 0.46 | 0.44 | 0.41 | | | |
| 105 | 0.61 | 0.55 | 0.53 | 0.51 | 0.51 | 0.51 | 0.52 | 0.54 | 0.50 | 0.51 | 0.54 | 0.57 | 0.58 | 0.58 | 0.56 | 0.53 | | | |
| 110 | 0.84 | 0.77 | 0.74 | 0.72 | 0.71 | 0.72 | 0.74 | 0.75 | 0.71 | 0.71 | 0.74 | 0.76 | 0.77 | 0.77 | 0.76 | 0.72 | | | |
| 115 | 1.00 | 0.91 | 0.88 | 0.86 | 0.85 | 0.86 | 0.87 | 0.90 | 0.84 | 0.84 | 0.86 | 0.89 | 0.90 | 0.90 | 0.88 | 0.86 | | | |
| 120 | 1.22 | 1.13 | 1.09 | 1.07 | 1.06 | 1.07 | 1.09 | 1.12 | 1.06 | 1.04 | 1.05 | 1.08 | 1.09 | 1.09 | 1.08 | 1.06 | | | |
| 125 | 1.37 | 1.27 | 1.23 | 1.20 | 1.20 | 1.21 | 1.23 | 1.26 | 1.20 | 1.18 | 1.19 | 1.21 | 1.21 | 1.22 | 1.20 | 1.19 | | | |
| 130 | 1.56 | 1.47 | 1.42 | 1.39 | 1.38 | 1.40 | 1.42 | 1.47 | 1.39 | 1.38 | 1.37 | 1.38 | 1.38 | 1.39 | 1.37 | 1.38 | | | |
| 135 | 1.68 | 1.60 | 1.54 | 1.51 | 1.50 | 1.53 | 1.55 | 1.59 | 1.51 | 1.50 | 1.48 | 1.48 | 1.48 | 1.49 | 1.48 | 1.50 | | | |
| 140 | 1.83 | 1.76 | 1.70 | 1.67 | 1.66 | 1.70 | 1.72 | 1.76 | 1.66 | 1.65 | 1.64 | 1.64 | 1.63 | 1.63 | 1.63 | 1.66 | | | |
| 145 | 1.93 | 1.87 | 1.81 | 1.77 | 1.76 | 1.81 | 1.83 | 1.86 | 1.76 | 1.75 | 1.74 | 1.74 | 1.71 | 1.72 | 1.73 | 1.76 | | | |
| 150 | 2.05 | 2.00 | 1.95 | 1.91 | 1.91 | 1.96 | 1.97 | 1.99 | 1.89 | 1.88 | 1.87 | 1.87 | 1.83 | 1.85 | 1.87 | 1.89 | | | |
| 155 | 2.12 | 2.08 | 2.04 | 2.00 | 2.01 | 2.05 | 2.05 | 2.08 | 1.97 | 1.96 | 1.95 | 1.96 | 1.92 | 1.93 | 1.95 | 1.98 | | | |
| 160 | 2.22 | 2.20 | 2.16 | 2.13 | 2.17 | 2.18 | 2.17 | 2.19 | 2.10 | 2.08 | 2.08 | 2.08 | 2.07 | 2.06 | 2.08 | 2.11 | | | |
| 165 | 2.29 | 2.28 | 2.24 | 2.21 | 2.27 | 2.25 | 2.25 | 2.27 | 2.18 | 2.17 | 2.17 | 2.17 | 2.17 | 2.15 | 2.17 | 2.20 | | | |
| 170 | 2.40 | 2.39 | 2.37 | 2.36 | 2.41 | 2.38 | 2.37 | 2.39 | 2.33 | 2.32 | 2.32 | 2.32 | 2.33 | 2.30 | 2.32 | 2.35 | | | |
| 175 | 2.47 | 2.47 | 2.46 | 2.45 | 2.49 | 2.47 | 2.46 | 2.48 | 2.43 | 2.42 | 2.42 | 2.42 | 2.44 | 2.41 | 2.44 | 2.45 | | | |
| 180 | 2.57 | 2.56 | 2.56 | 2.57 | 2.59 | 2.58 | 2.58 | 2.59 | 2.57 | 2.56 | 2.56 | 2.57 | 2.60 | 2.58 | 2.58 | 2.59 | | | |

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