

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

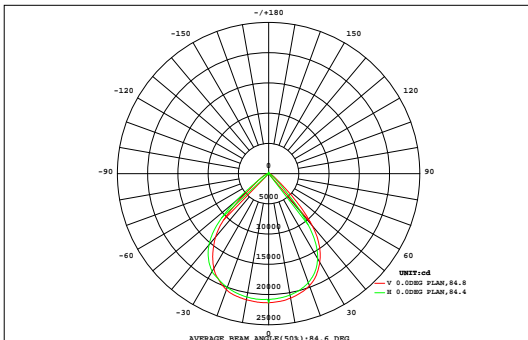
| | | |
|---|---|---|
| Maximum Intensity (Luminaire orientation as tested.) | | 606.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal |
| Beam Spread | At 10% of I _{max} At 50% of I _{max} At 90% of I _{max} | 105.1V x 108.7H 84.4V x 84.8H 45.8V x 48.5H |
| Beam Flux | Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max} | 1000.1 lumens per klm. 929.5 lumens per klm. 792.6 lumens per klm. 287.6 lumens per klm. |
| | Upward LOR Downward LOR | 1.4 % 98.6 % |
| Luminaire Efficiency(Light Output Ratio) | | 100.0 % |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:26 August 2022

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------------|------------------|
| Test:U:230.0V I:1.373A P:303.0W PF:0.9500 Lamp Flux:35255.1x1 lm | | |
| NAME: LED flood light 300W | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.:0.21*0.43 | Shielding Angle: |



| DATA OF LAMP | | Eff:116.35lm/W | |
|------------------|---------|-----------------|----------|
| MODEL | | Imax(cd) | 21363 |
| NOMINAL POWER(W) | 300 | AVAILABILITY(%) | 92.9 |
| RATED VOLTAGE(V) | 230 | Avai. FLUX(lm) | 32754 |
| NOMINAL FLUX(lm) | 35255.1 | LOR(%) | 100.0 |
| LAMPS INSIDE | 1 | TOTAL FLUX(lm) | 35255 |
| TEST VOLTAGE(V) | 230 | θ @50%(H,V) | 85,84DEG |

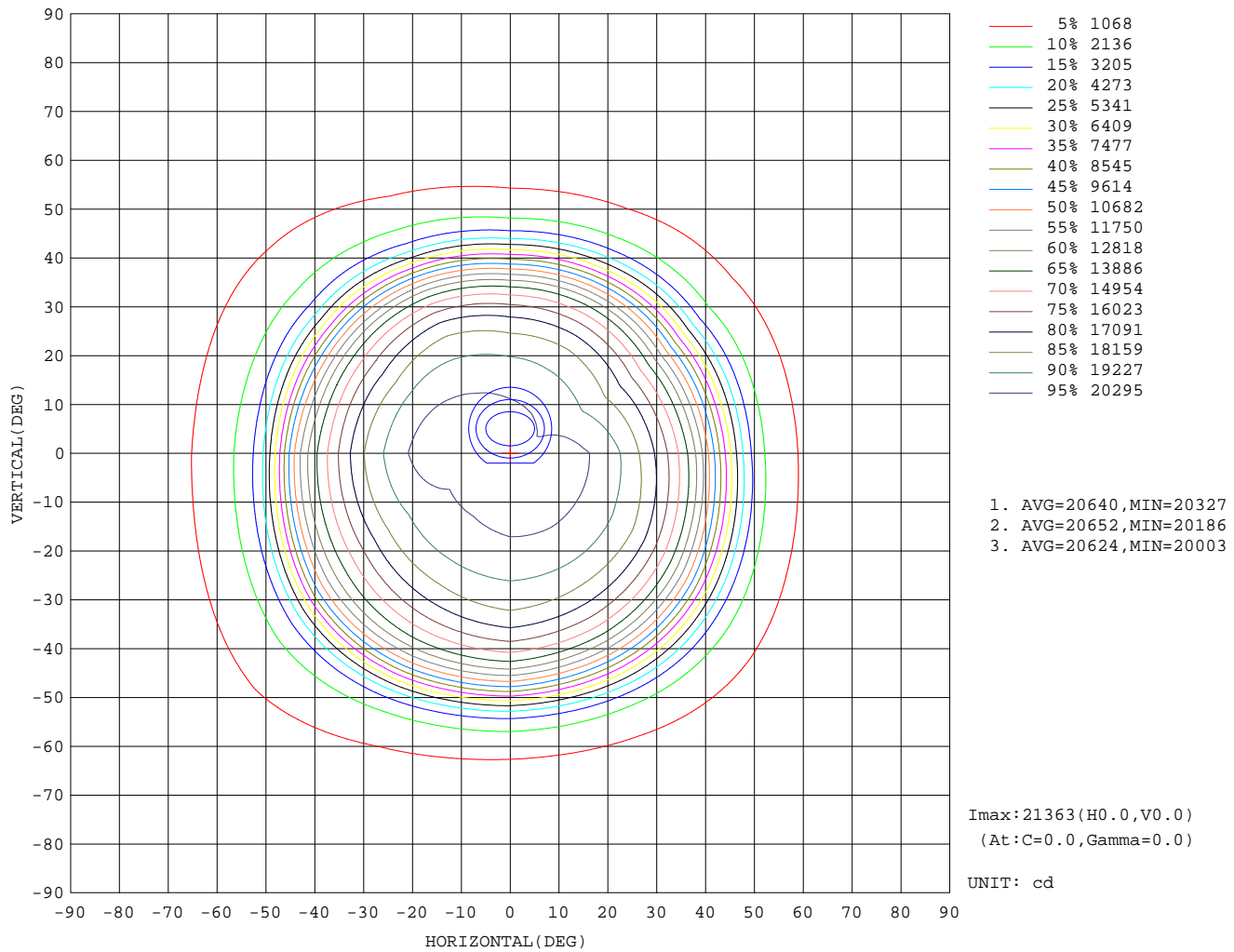
| VERTICAL (DEG) | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a | |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|---------|------|------|-------|-------|
| | 0.06 | 0.19 | 0.28 | 0.38 | 0.48 | 0.45 | 0.40 | 0.40 | 0.36 | 0.36 | 0.39 | 0.38 | 0.40 | 0.41 | 0.32 | 0.24 | 0.17 | | | 0.05 |
| 90 | 0.06 | 0.19 | 0.28 | 0.38 | 0.48 | 0.45 | 0.40 | 0.40 | 0.36 | 0.36 | 0.39 | 0.38 | 0.40 | 0.41 | 0.32 | 0.24 | 0.17 | 0.05 | 5.71 | 0.00 |
| 80 | 0.11 | 0.51 | 1.15 | 1.94 | 2.73 | 3.18 | 3.48 | 3.80 | 3.66 | 3.56 | 3.53 | 3.14 | 2.72 | 2.22 | 1.57 | 0.95 | 0.44 | 0.09 | 38.8 | 0.00 |
| 70 | 0.16 | 0.90 | 2.40 | 4.82 | 7.31 | 9.42 | 11.0 | 12.3 | 12.3 | 11.8 | 11.0 | 9.28 | 7.41 | 5.47 | 3.58 | 1.93 | 0.77 | 0.14 | 112 | 0.00 |
| 60 | 0.21 | 1.35 | 4.11 | 8.62 | 14.0 | 19.8 | 25.2 | 30.5 | 32.5 | 30.9 | 26.5 | 20.2 | 14.6 | 9.79 | 5.96 | 3.11 | 1.15 | 0.18 | 249 | 0.00 |
| 50 | 0.26 | 1.85 | 6.16 | 13.5 | 24.0 | 39.9 | 65.3 | 101 | 124 | 117 | 86.1 | 50.2 | 28.0 | 16.0 | 8.81 | 4.31 | 1.54 | 0.23 | 689 | 444 |
| 40 | 0.31 | 2.37 | 8.43 | 19.5 | 40.9 | 101 | 225 | 342 | 390 | 377 | 303 | 175 | 67.1 | 26.0 | 12.4 | 5.55 | 1.91 | 0.27 | 2099 | 1977 |
| 30 | 0.35 | 2.89 | 10.7 | 27.2 | 78.6 | 236 | 405 | 509 | 546 | 536 | 477 | 350 | 166 | 48.9 | 17.1 | 6.79 | 2.23 | 0.30 | 3422 | 3334 |
| | 0.38 | 3.32 | 12.7 | 36.2 | 142 | 341 | 485 | 574 | 604 | 595 | 545 | 442 | 278 | 91.9 | 22.6 | 7.90 | 2.49 | 0.33 | 4185 | 4114 |
| | 0.40 | 3.61 | 14.1 | 44.6 | 193 | 389 | 525 | 605 | 632 | 618 | 580 | 494 | 344 | 133 | 27.8 | 8.72 | 2.66 | 0.35 | 4616 | 4554 |
| | 0.40 | 3.69 | 14.5 | 47.7 | 208 | 397 | 528 | 601 | 626 | 634 | 597 | 512 | 364 | 150 | 30.0 | 9.00 | 2.71 | 0.36 | 4724 | 4664 |
| | 0.40 | 3.54 | 13.8 | 43.4 | 186 | 373 | 501 | 578 | 614 | 617 | 580 | 498 | 346 | 134 | 27.9 | 8.68 | 2.64 | 0.35 | 4527 | 4465 |
| -30 | 0.38 | 3.23 | 12.2 | 34.7 | 135 | 323 | 453 | 540 | 582 | 583 | 541 | 448 | 286 | 93.5 | 22.6 | 7.89 | 2.48 | 0.33 | 4069 | 3999 |
| -40 | 0.35 | 2.80 | 10.2 | 26.0 | 73.8 | 219 | 369 | 463 | 513 | 513 | 457 | 343 | 172 | 50.2 | 17.1 | 6.80 | 2.22 | 0.30 | 3240 | 3153 |
| -50 | 0.30 | 2.33 | 8.00 | 18.8 | 38.0 | 86.4 | 192 | 295 | 351 | 343 | 271 | 158 | 64.9 | 26.5 | 12.6 | 5.58 | 1.90 | 0.27 | 1876 | 1748 |
| -60 | 0.26 | 1.84 | 5.84 | 12.9 | 21.8 | 34.1 | 52.6 | 78.5 | 98.9 | 95.2 | 69.8 | 43.5 | 26.2 | 15.7 | 8.95 | 4.33 | 1.54 | 0.23 | 572 | 301 |
| -70 | 0.21 | 1.35 | 3.98 | 8.11 | 12.4 | 16.8 | 21.1 | 25.1 | 27.1 | 26.2 | 22.7 | 17.8 | 13.3 | 9.31 | 5.97 | 3.14 | 1.16 | 0.18 | 216 | 0.00 |
| -80 | 0.15 | 0.88 | 2.39 | 4.42 | 6.22 | 7.75 | 9.02 | 10.1 | 10.4 | 10.1 | 9.28 | 7.93 | 6.49 | 5.04 | 3.57 | 2.01 | 0.78 | 0.13 | 96.6 | 0.00 |
| -90 | 0.09 | 0.48 | 1.11 | 1.76 | 2.18 | 2.43 | 2.63 | 2.82 | 2.82 | 2.79 | 2.73 | 2.51 | 2.27 | 2.00 | 1.60 | 1.01 | 0.43 | 0.08 | 31.7 | 0.00 |
| | -90 | -80 | -70 | -60 | -50 | -40 | -30 | -20 | HORIZONTAL (DEG) | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | | | |
| Φ t | 4.76 | 37.1 | 132 | 355 | 1187 | 2600 | 3875 | 4771 | 5171 | 5114 | 4582 | 3575 | 2190 | 821 | 230 | 88.0 | 29.2 | 4.19 | 34768 | --- |
| Φ a | 0.00 | 0.00 | 0.00 | 141 | 1034 | 2465 | 3751 | 4651 | 5055 | 5000 | 4464 | 3451 | 2055 | 660 | 25.4 | 0.00 | 0.00 | 0.00 | --- | 32754 |

one-half-peak spread: U:41.9,D:37.8 , L:42.3,R:40.7 NEMA Beam Type: Type 6

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:26 August 2022

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

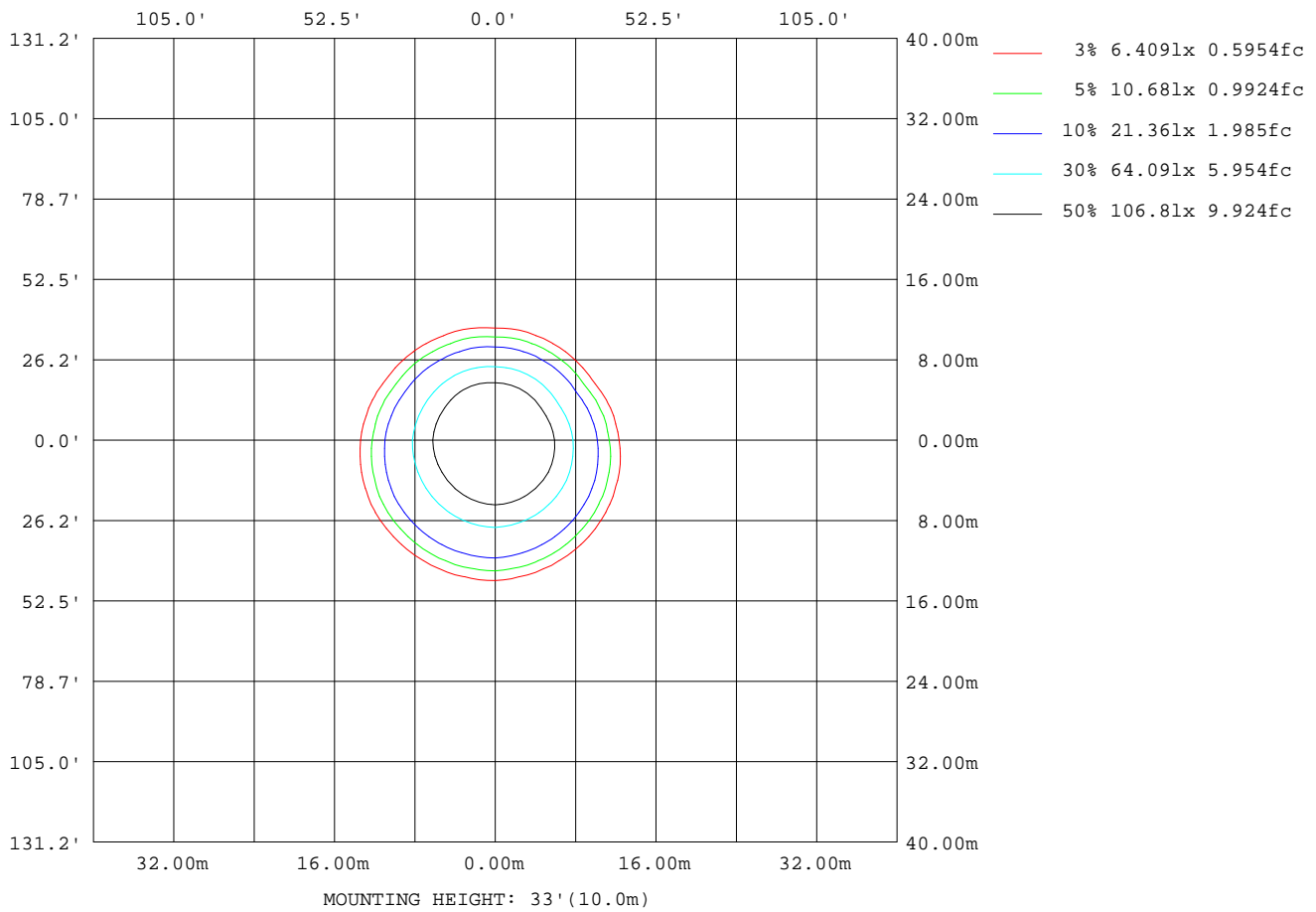
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:26 August 2022

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

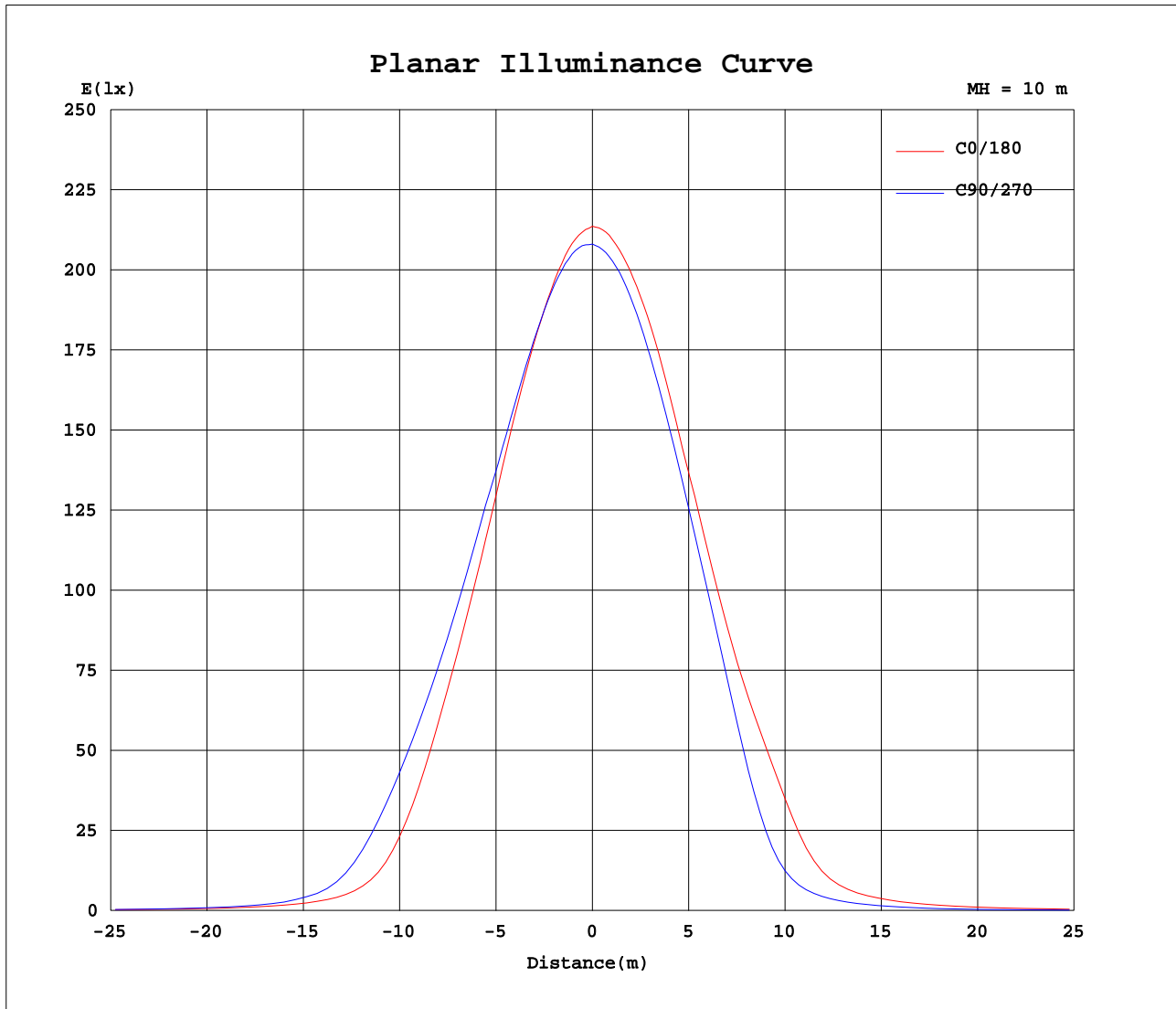
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:26 August 2022

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

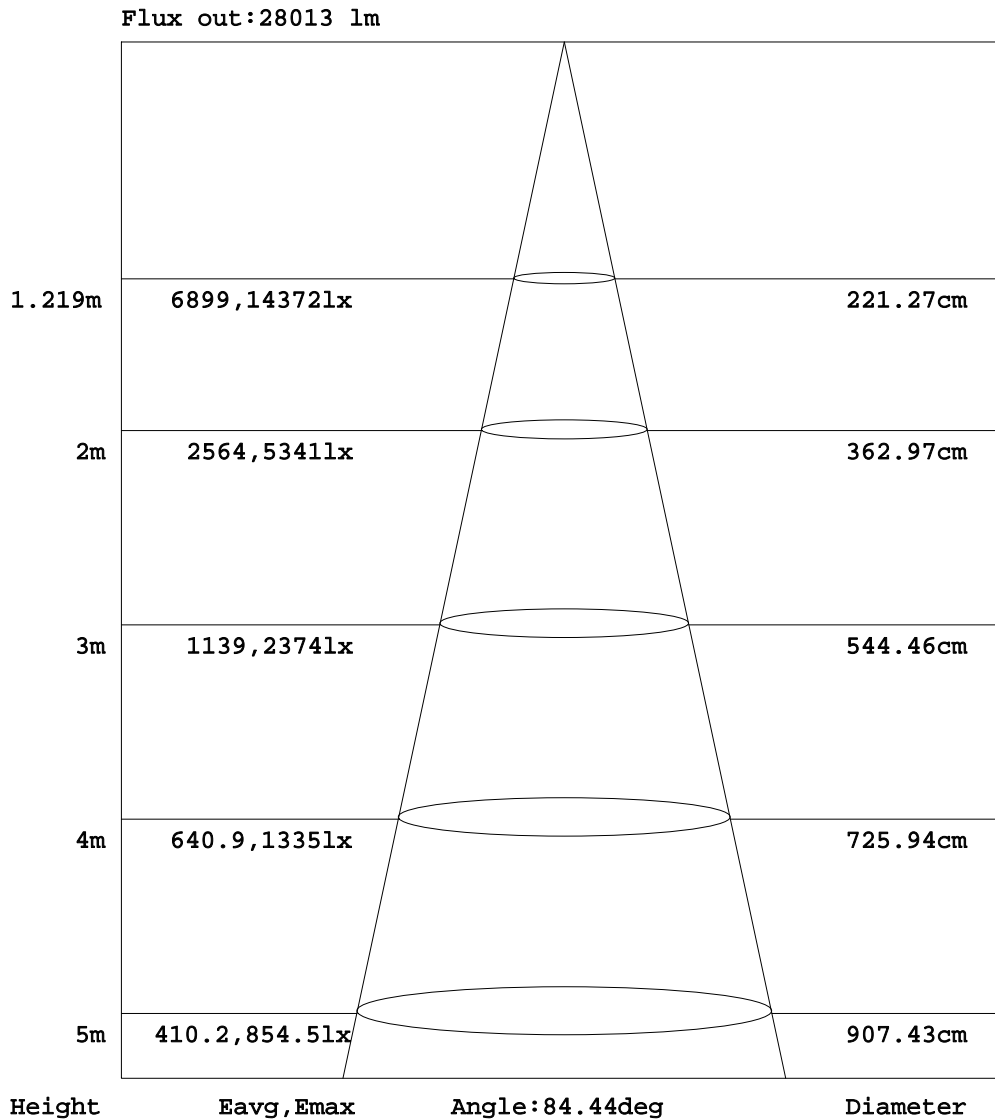
Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:26 August 2022

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

AAI Figure



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

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:26 August 2022

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: $\times 10\text{cd}$

| H(DEG) V(DEG) | -90 | -85 | -80 | -75 | -70 | -65 | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| -180 | 1.07 | 0.74 | 0.96 | 1.33 | 2.04 | 3.19 | 4.74 | 6.66 | 8.77 | 10.9 | 13.1 | 15.3 | 17.2 | 19.2 | 21.3 | 23.3 | 24.6 | 25.4 | 25.5 |
| -170 | 1.07 | 0.74 | 0.94 | 1.29 | 1.94 | 2.98 | 4.42 | 6.18 | 8.17 | 10.2 | 12.2 | 14.2 | 16.0 | 17.6 | 19.3 | 21.1 | 22.7 | 23.9 | 24.7 |
| -160 | 1.07 | 0.73 | 0.91 | 1.20 | 1.73 | 2.60 | 3.80 | 5.30 | 7.00 | 8.80 | 10.5 | 12.3 | 13.8 | 15.4 | 16.9 | 18.3 | 19.6 | 20.5 | 21.0 |
| -150 | 1.07 | 0.71 | 0.87 | 1.09 | 1.48 | 2.12 | 3.01 | 4.14 | 5.46 | 6.88 | 8.37 | 9.97 | 11.5 | 12.9 | 14.1 | 15.2 | 16.0 | 16.6 | 16.9 |
| -140 | 1.07 | 0.70 | 0.82 | 0.98 | 1.23 | 1.63 | 2.20 | 2.93 | 3.80 | 4.87 | 6.08 | 7.34 | 8.54 | 9.66 | 10.6 | 11.5 | 12.1 | 12.5 | 12.7 |
| -130 | 1.07 | 0.69 | 0.77 | 0.88 | 1.02 | 1.23 | 1.51 | 1.89 | 2.41 | 3.06 | 3.80 | 4.58 | 5.36 | 6.10 | 6.80 | 7.38 | 7.85 | 8.16 | 8.32 |
| -120 | 1.07 | 0.80 | 0.71 | 0.78 | 0.86 | 0.95 | 1.06 | 1.20 | 1.42 | 1.70 | 2.02 | 2.37 | 2.73 | 3.09 | 3.44 | 3.74 | 3.98 | 4.14 | 4.22 |
| -110 | 1.07 | 1.01 | 0.69 | 0.70 | 0.73 | 0.77 | 0.80 | 0.85 | 0.91 | 0.98 | 1.05 | 1.13 | 1.22 | 1.31 | 1.41 | 1.49 | 1.55 | 1.59 | 1.61 |
| -100 | 1.07 | 1.29 | 1.40 | 1.06 | 0.68 | 0.64 | 0.64 | 0.66 | 0.67 | 0.68 | 0.69 | 0.70 | 0.71 | 0.72 | 0.74 | 0.74 | 0.75 | 0.75 | 0.76 |
| -90 | 1.07 | 1.83 | 2.60 | 3.36 | 4.13 | 4.89 | 5.66 | 5.21 | 4.77 | 4.32 | 3.88 | 3.43 | 2.98 | 2.92 | 2.85 | 2.78 | 2.71 | 2.64 | 2.58 |
| -80 | 1.07 | 4.10 | 6.25 | 8.23 | 10.3 | 12.7 | 15.4 | 16.6 | 17.6 | 18.2 | 18.5 | 18.5 | 18.3 | 18.7 | 19.0 | 19.0 | 18.9 | 18.6 | 18.1 |
| -70 | 1.07 | 5.70 | 9.24 | 13.4 | 18.5 | 24.1 | 30.1 | 34.7 | 38.3 | 41.4 | 44.1 | 46.2 | 47.7 | 49.8 | 51.9 | 53.3 | 54.0 | 53.9 | 53.1 |
| -60 | 1.07 | 7.06 | 12.4 | 19.3 | 27.3 | 36.9 | 48.1 | 59.3 | 67.7 | 76.1 | 84.7 | 93.7 | 102 | 112 | 122 | 131 | 138 | 141 | 141 |
| -50 | 1.07 | 8.29 | 15.6 | 25.0 | 36.8 | 52.0 | 69.9 | 88.7 | 108 | 129 | 157 | 194 | 245 | 325 | 429 | 542 | 637 | 697 | 719 |
| -40 | 1.07 | 9.37 | 18.4 | 30.4 | 46.9 | 69.2 | 93.5 | 124 | 165 | 228 | 334 | 562 | 856 | 1101 | 1268 | 1381 | 1460 | 1509 | 1536 |
| -30 | 1.07 | 10.3 | 20.8 | 35.1 | 57.7 | 85.0 | 118 | 164 | 246 | 433 | 820 | 1158 | 1372 | 1528 | 1649 | 1739 | 1802 | 1844 | 1869 |
| -20 | 1.07 | 10.9 | 22.5 | 38.7 | 66.4 | 98.0 | 140 | 210 | 360 | 749 | 1177 | 1422 | 1601 | 1750 | 1857 | 1920 | 1963 | 1988 | 2002 |
| -10 | 1.07 | 11.2 | 23.4 | 41.1 | 71.8 | 106 | 155 | 242 | 461 | 951 | 1330 | 1562 | 1751 | 1887 | 1960 | 2005 | 2033 | 2053 | 2072 |
| 0 | 1.07 | 11.2 | 23.3 | 41.3 | 73.2 | 109 | 158 | 245 | 465 | 988 | 1365 | 1610 | 1812 | 1943 | 2043 | 2095 | 2117 | 2133 | 2136 |
| 10 | 1.07 | 10.9 | 22.4 | 39.4 | 68.7 | 101 | 144 | 217 | 376 | 787 | 1218 | 1500 | 1708 | 1856 | 1962 | 2026 | 2048 | 2049 | 2038 |
| 20 | 1.07 | 10.3 | 20.7 | 35.5 | 60.6 | 88.3 | 122 | 173 | 259 | 464 | 851 | 1222 | 1477 | 1658 | 1792 | 1883 | 1917 | 1927 | 1918 |
| 30 | 1.07 | 9.48 | 18.3 | 30.6 | 50.1 | 72.6 | 97.6 | 129 | 173 | 240 | 368 | 637 | 963 | 1228 | 1419 | 1548 | 1611 | 1635 | 1622 |
| 40 | 1.07 | 8.41 | 15.5 | 25.1 | 38.1 | 55.6 | 72.9 | 92.0 | 113 | 141 | 176 | 226 | 304 | 411 | 545 | 692 | 795 | 838 | 822 |
| 50 | 1.07 | 7.15 | 12.6 | 19.1 | 27.8 | 38.5 | 50.6 | 61.7 | 73.1 | 84.3 | 96.5 | 109 | 121 | 133 | 148 | 161 | 172 | 175 | 168 |
| 60 | 1.07 | 5.83 | 9.52 | 13.5 | 18.2 | 24.5 | 31.2 | 37.5 | 42.9 | 47.6 | 51.7 | 55.0 | 57.4 | 59.6 | 62.6 | 64.5 | 65.1 | 64.0 | 61.3 |
| 70 | 1.07 | 4.50 | 6.45 | 8.65 | 10.8 | 12.7 | 15.3 | 18.3 | 20.4 | 22.0 | 22.9 | 23.4 | 23.3 | 23.8 | 24.3 | 24.4 | 24.1 | 23.2 | 21.8 |
| 80 | 1.07 | 3.06 | 3.73 | 4.02 | 4.48 | 5.18 | 5.50 | 5.89 | 6.01 | 5.85 | 5.48 | 4.93 | 4.23 | 4.25 | 4.29 | 4.20 | 4.00 | 3.71 | 3.33 |
| 90 | 1.07 | 0.99 | 0.92 | 0.84 | 0.77 | 0.69 | 0.62 | 0.61 | 0.61 | 0.60 | 0.60 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 |
| 100 | 1.07 | 0.68 | 0.65 | 0.68 | 0.71 | 0.74 | 0.76 | 0.79 | 0.81 | 0.84 | 0.86 | 0.89 | 0.91 | 0.94 | 0.96 | 0.99 | 1.00 | 1.02 | 1.03 |
| 110 | 1.07 | 0.65 | 0.70 | 0.76 | 0.82 | 0.90 | 0.99 | 1.09 | 1.21 | 1.35 | 1.51 | 1.68 | 1.86 | 2.03 | 2.20 | 2.35 | 2.48 | 2.56 | 2.62 |
| 120 | 1.07 | 0.67 | 0.75 | 0.85 | 0.97 | 1.15 | 1.38 | 1.69 | 2.06 | 2.49 | 2.97 | 3.46 | 3.96 | 4.42 | 4.86 | 5.24 | 5.53 | 5.74 | 5.85 |
| 130 | 1.07 | 0.69 | 0.80 | 0.95 | 1.17 | 1.51 | 1.99 | 2.63 | 3.39 | 4.24 | 5.14 | 6.06 | 6.94 | 7.75 | 8.45 | 9.04 | 9.49 | 9.80 | 9.96 |
| 140 | 1.07 | 0.71 | 0.85 | 1.06 | 1.41 | 1.97 | 2.77 | 3.79 | 4.99 | 6.30 | 7.62 | 8.90 | 10.1 | 11.1 | 12.1 | 12.9 | 13.5 | 14.0 | 14.2 |
| 150 | 1.07 | 0.72 | 0.89 | 1.17 | 1.66 | 2.46 | 3.57 | 4.96 | 6.56 | 8.23 | 9.89 | 11.5 | 13.0 | 14.3 | 15.4 | 16.4 | 17.2 | 17.7 | 17.9 |
| 160 | 1.07 | 0.74 | 0.93 | 1.26 | 1.88 | 2.87 | 4.24 | 5.93 | 7.81 | 9.75 | 11.7 | 13.6 | 15.3 | 16.8 | 18.2 | 19.5 | 20.6 | 21.4 | 21.7 |
| 170 | 1.07 | 0.74 | 0.95 | 1.32 | 2.02 | 3.13 | 4.66 | 6.52 | 8.59 | 10.7 | 12.8 | 14.9 | 16.8 | 18.5 | 20.4 | 22.1 | 23.5 | 24.3 | 24.3 |
| 180 | 1.07 | 0.74 | 0.96 | 1.33 | 2.04 | 3.19 | 4.74 | 6.66 | 8.77 | 10.9 | 13.1 | 15.3 | 17.2 | 19.2 | 21.3 | 23.3 | 24.6 | 25.4 | 25.4 |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:26 August 2022

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: ×10cd

| H(DEG) V(DEG) | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| -180 | 25.7 | 25.1 | 23.9 | 22.3 | 20.4 | 18.4 | 16.5 | 14.4 | 12.2 | 9.99 | 7.86 | 5.85 | 4.12 | 2.75 | 1.78 | 1.21 | 0.91 | 1.07 | |
| -170 | 24.6 | 23.8 | 22.6 | 20.9 | 19.3 | 17.5 | 15.7 | 13.7 | 11.6 | 9.50 | 7.45 | 5.54 | 3.91 | 2.63 | 1.72 | 1.19 | 0.90 | 1.07 | |
| -160 | 20.9 | 20.3 | 19.6 | 18.4 | 17.1 | 15.6 | 13.9 | 12.1 | 10.3 | 8.43 | 6.58 | 4.90 | 3.48 | 2.37 | 1.60 | 1.15 | 0.89 | 1.07 | |
| -150 | 16.9 | 16.6 | 16.0 | 15.2 | 14.2 | 12.9 | 11.5 | 9.99 | 8.45 | 6.86 | 5.36 | 4.02 | 2.90 | 2.03 | 1.44 | 1.09 | 0.87 | 1.07 | |
| -140 | 12.7 | 12.5 | 12.1 | 11.5 | 10.7 | 9.72 | 8.65 | 7.45 | 6.24 | 5.07 | 3.99 | 3.04 | 2.26 | 1.67 | 1.27 | 1.02 | 0.84 | 1.07 | |
| -130 | 8.35 | 8.22 | 7.93 | 7.51 | 6.94 | 6.29 | 5.57 | 4.82 | 4.06 | 3.34 | 2.68 | 2.13 | 1.68 | 1.35 | 1.11 | 0.94 | 0.82 | 1.07 | |
| -120 | 4.27 | 4.23 | 4.10 | 3.89 | 3.63 | 3.32 | 2.98 | 2.64 | 2.29 | 1.96 | 1.67 | 1.44 | 1.25 | 1.09 | 0.97 | 0.87 | 0.89 | 1.07 | |
| -110 | 1.65 | 1.66 | 1.64 | 1.59 | 1.54 | 1.47 | 1.39 | 1.32 | 1.24 | 1.17 | 1.10 | 1.03 | 0.97 | 0.91 | 0.86 | 0.82 | 1.04 | 1.07 | |
| -100 | 0.77 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.81 | 0.81 | 0.80 | 0.79 | 0.79 | 0.79 | 1.05 | 1.32 | 1.28 | 1.07 | |
| -90 | 2.68 | 2.79 | 2.90 | 3.00 | 3.11 | 3.21 | 3.52 | 3.83 | 4.14 | 4.44 | 4.75 | 5.06 | 4.39 | 3.73 | 3.06 | 2.40 | 1.73 | 1.07 | |
| -80 | 18.2 | 18.1 | 17.8 | 17.4 | 16.9 | 16.3 | 16.2 | 16.0 | 15.6 | 15.0 | 14.3 | 13.3 | 11.3 | 9.32 | 7.41 | 5.50 | 3.47 | 1.07 | |
| -70 | 52.2 | 50.6 | 48.4 | 45.8 | 42.8 | 39.9 | 37.4 | 34.8 | 32.1 | 29.4 | 26.8 | 23.8 | 19.8 | 15.7 | 11.7 | 8.24 | 4.91 | 1.07 | |
| -60 | 136 | 128 | 117 | 105 | 93.0 | 82.7 | 72.3 | 63.3 | 55.5 | 48.4 | 42.0 | 35.0 | 28.5 | 22.4 | 16.5 | 10.9 | 6.19 | 1.07 | |
| -50 | 670 | 586 | 476 | 361 | 264 | 193 | 147 | 114 | 91.3 | 74.2 | 60.2 | 47.9 | 37.7 | 28.9 | 21.0 | 13.6 | 7.33 | 1.07 | |
| -40 | 1499 | 1432 | 1325 | 1168 | 946 | 673 | 409 | 243 | 155 | 110 | 81.8 | 61.7 | 47.0 | 35.1 | 25.1 | 16.0 | 8.31 | 1.07 | |
| -30 | 1846 | 1803 | 1738 | 1638 | 1489 | 1269 | 957 | 575 | 288 | 163 | 107 | 76.0 | 55.4 | 40.5 | 28.5 | 18.1 | 9.08 | 1.07 | |
| -20 | 1995 | 1973 | 1928 | 1864 | 1745 | 1574 | 1315 | 942 | 504 | 235 | 134 | 88.9 | 62.0 | 44.5 | 31.0 | 19.5 | 9.62 | 1.07 | |
| -10 | 2071 | 2053 | 2015 | 1953 | 1859 | 1693 | 1461 | 1114 | 656 | 294 | 153 | 97.0 | 66.0 | 46.8 | 32.5 | 20.4 | 9.91 | 1.07 | |
| 0 | 2120 | 2091 | 2042 | 1973 | 1860 | 1691 | 1463 | 1121 | 654 | 289 | 153 | 97.2 | 66.1 | 46.9 | 32.7 | 20.5 | 9.94 | 1.07 | |
| 10 | 2014 | 1973 | 1908 | 1836 | 1725 | 1550 | 1293 | 920 | 499 | 235 | 135 | 89.5 | 62.1 | 44.6 | 31.3 | 19.7 | 9.66 | 1.07 | |
| 20 | 1903 | 1867 | 1785 | 1664 | 1486 | 1231 | 912 | 551 | 286 | 163 | 108 | 76.5 | 55.2 | 40.6 | 28.7 | 18.2 | 9.13 | 1.07 | |
| 30 | 1596 | 1533 | 1423 | 1249 | 1001 | 698 | 407 | 229 | 151 | 108 | 81.3 | 61.4 | 46.7 | 35.2 | 25.3 | 16.1 | 8.37 | 1.07 | |
| 40 | 794 | 712 | 583 | 434 | 307 | 216 | 155 | 117 | 90.8 | 73.1 | 59.1 | 47.3 | 37.6 | 29.1 | 21.1 | 13.7 | 7.40 | 1.07 | |
| 50 | 165 | 154 | 139 | 121 | 105 | 90.9 | 78.7 | 67.4 | 57.5 | 48.9 | 41.3 | 34.6 | 28.4 | 22.3 | 16.4 | 11.0 | 6.24 | 1.07 | |
| 60 | 61.1 | 59.4 | 56.7 | 53.1 | 49.1 | 45.5 | 41.9 | 38.1 | 34.3 | 30.6 | 26.9 | 23.2 | 19.3 | 15.3 | 11.7 | 8.33 | 5.04 | 1.07 | |
| 70 | 22.3 | 22.5 | 22.3 | 21.7 | 20.8 | 19.8 | 19.2 | 18.3 | 17.2 | 15.8 | 14.1 | 12.3 | 10.8 | 9.14 | 7.50 | 5.58 | 3.82 | 1.07 | |
| 80 | 3.64 | 3.88 | 4.02 | 4.06 | 4.00 | 3.92 | 4.37 | 4.70 | 4.85 | 4.90 | 4.78 | 4.53 | 4.28 | 3.75 | 3.45 | 3.20 | 2.54 | 1.07 | |
| 90 | 0.59 | 0.60 | 0.60 | 0.61 | 0.61 | 0.62 | 0.63 | 0.65 | 0.66 | 0.67 | 0.69 | 0.70 | 0.76 | 0.82 | 0.88 | 0.95 | 1.01 | 1.07 | |
| 100 | 1.04 | 1.04 | 1.04 | 1.03 | 1.02 | 1.00 | 0.99 | 0.98 | 0.97 | 0.95 | 0.93 | 0.91 | 0.87 | 0.84 | 0.80 | 0.77 | 0.79 | 1.07 | |
| 110 | 2.62 | 2.59 | 2.52 | 2.42 | 2.29 | 2.14 | 1.99 | 1.83 | 1.67 | 1.52 | 1.38 | 1.24 | 1.11 | 1.01 | 0.91 | 0.84 | 0.77 | 1.07 | |
| 120 | 5.83 | 5.72 | 5.52 | 5.23 | 4.87 | 4.46 | 4.02 | 3.55 | 3.09 | 2.63 | 2.22 | 1.81 | 1.48 | 1.23 | 1.05 | 0.91 | 0.80 | 1.07 | |
| 130 | 9.92 | 9.72 | 9.38 | 8.90 | 8.31 | 7.61 | 6.81 | 5.95 | 5.08 | 4.23 | 3.40 | 2.64 | 2.00 | 1.52 | 1.20 | 0.98 | 0.83 | 1.07 | |
| 140 | 14.1 | 13.8 | 13.3 | 12.6 | 11.8 | 10.9 | 9.79 | 8.60 | 7.33 | 6.02 | 4.73 | 3.59 | 2.62 | 1.87 | 1.36 | 1.05 | 0.85 | 1.07 | |
| 150 | 17.8 | 17.4 | 16.8 | 16.0 | 15.0 | 13.9 | 12.5 | 11.0 | 9.38 | 7.67 | 6.01 | 4.51 | 3.23 | 2.22 | 1.53 | 1.12 | 0.88 | 1.07 | |
| 160 | 21.5 | 20.9 | 20.0 | 18.8 | 17.5 | 16.2 | 14.7 | 12.9 | 10.9 | 8.98 | 7.05 | 5.26 | 3.74 | 2.52 | 1.67 | 1.17 | 0.89 | 1.07 | |
| 170 | 24.3 | 23.6 | 22.5 | 21.1 | 19.4 | 17.7 | 16.0 | 14.0 | 11.9 | 9.78 | 7.69 | 5.73 | 4.05 | 2.71 | 1.76 | 1.20 | 0.90 | 1.07 | |
| 180 | 25.7 | 25.1 | 23.9 | 22.3 | 20.4 | 18.4 | 16.5 | 14.4 | 12.2 | 9.99 | 7.86 | 5.85 | 4.12 | 2.75 | 1.78 | 1.21 | 0.91 | 1.07 | |

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:26 August 2022

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

50% Beam Angle : 85°-H X 84°-V

one-half-peak spread: U:41.9,D:37.8 , L:42.3,R:40.7

TOTAL FLUX : 35255 lm

LOR : 100.0%

AVAILABILITY FLUX : 32754 lm

AVAILABILITY : 92.9%

