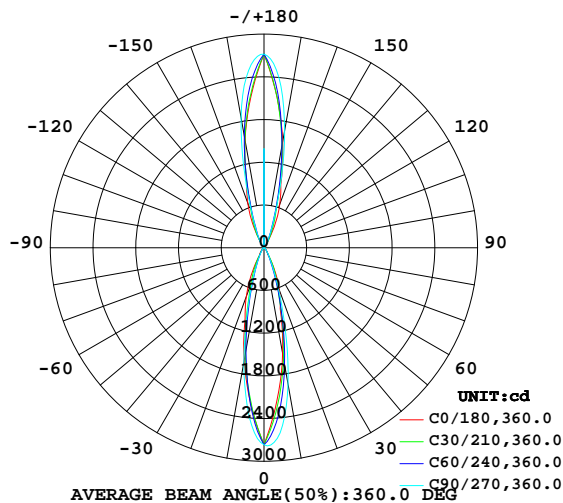


LUMINAIRE PHOTOMETRIC TEST REPORT

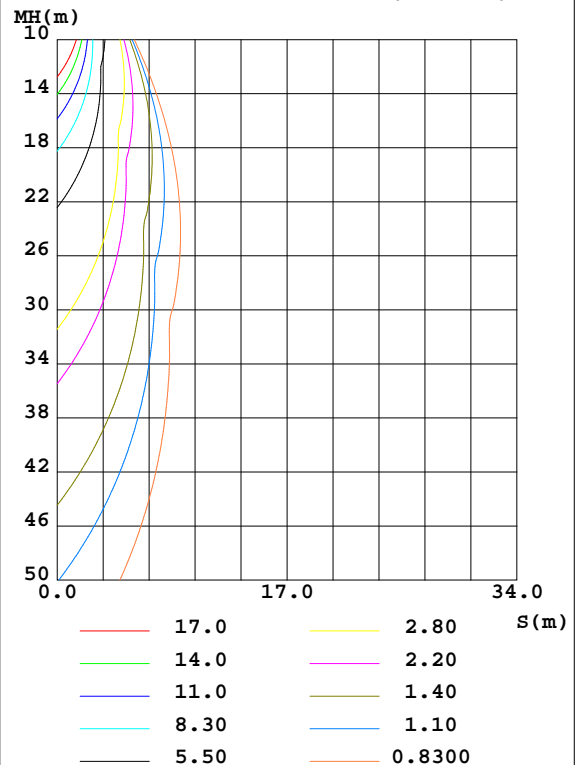
| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 139.35 lm/W | | | |
|------------------|------------------------|-----------------------------------|---------|-------------------|-----------|
| MODEL | INDEPS010UNHD8SC2R3BZP | I _{max} (cd) | 2783 | S/MH(C0/180) | 0.40 |
| NOMINAL POWER(W) | 10 | LOR(%) | 100.0 | S/MH(C90/270) | 0.39 |
| RATED VOLTAGE(V) | 120-347 | TOTAL FLUX(lm) | 1364.2 | η UP,DN(C0-180) | 23.1,27.2 |
| NOMINAL FLUX(lm) | 1364.24 | CIE CLASS | DIFFUSE | η UP,DN(C180-360) | 25.3,24.4 |
| LAMPS INSIDE | 1 | η up(%) | 48.4 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 120 | η down(%) | 51.6 | CIBSE SHR MAX | 1.00 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 1512 | 1614 | 1948 | 1664 | 1606 | 1471 | 1634 | 1416 | 0- 10 | 194.0 | 194.0 | 14.2,14.2 |
| 20 | 627.4 | 486.2 | 552.4 | 529.8 | 728.7 | 448.9 | 422.1 | 385.4 | 10- 20 | 260.5 | 454.6 | 33.3,33.3 |
| 30 | 113.2 | 150.6 | 143.4 | 167.3 | 135.6 | 145.7 | 118.0 | 127.2 | 20- 30 | 134.4 | 589.0 | 43.2,43.2 |
| 40 | 58.97 | 49.98 | 53.80 | 55.51 | 68.94 | 51.86 | 48.16 | 45.76 | 30- 40 | 53.91 | 642.9 | 47.1,47.1 |
| 50 | 25.39 | 25.57 | 25.44 | 27.47 | 28.08 | 25.92 | 23.47 | 23.56 | 40- 50 | 28.67 | 671.6 | 49.2,49.2 |
| 60 | 12.50 | 13.58 | 13.35 | 14.08 | 13.03 | 13.39 | 12.40 | 12.35 | 50- 60 | 16.60 | 688.2 | 50.4,50.4 |
| 70 | 7.183 | 7.278 | 7.059 | 7.235 | 7.372 | 6.850 | 6.469 | 6.378 | 60- 70 | 9.655 | 697.8 | 51.2,51.2 |
| 80 | 3.036 | 3.283 | 3.299 | 3.103 | 3.040 | 2.874 | 2.494 | 2.544 | 70- 80 | 5.103 | 703.0 | 51.5,51.5 |
| 90 | 0.0561 | 0.0605 | 0.0738 | 0.0437 | 0.0295 | 0.0685 | 0.0279 | 0.0738 | 80- 90 | 1.490 | 704.4 | 51.6,51.6 |
| 100 | 2.452 | 2.210 | 2.173 | 2.401 | 2.622 | 2.456 | 2.277 | 2.250 | 90-100 | 1.201 | 705.6 | 51.7,51.7 |
| 110 | 6.113 | 5.524 | 5.398 | 5.812 | 6.331 | 5.988 | 5.704 | 5.902 | 100-110 | 4.169 | 709.8 | 52,52 |
| 120 | 11.04 | 11.12 | 10.69 | 11.31 | 11.16 | 11.92 | 11.46 | 11.98 | 110-120 | 8.234 | 718.0 | 52.6,52.6 |
| 130 | 23.20 | 20.84 | 19.97 | 20.82 | 22.88 | 23.10 | 22.59 | 23.46 | 120-130 | 14.42 | 732.5 | 53.7,53.7 |
| 140 | 57.89 | 39.42 | 38.13 | 39.49 | 57.92 | 46.20 | 47.78 | 46.70 | 130-140 | 24.69 | 757.2 | 55.5,55.5 |
| 150 | 115.1 | 118.7 | 104.4 | 120.8 | 116.3 | 144.1 | 133.6 | 144.7 | 140-150 | 48.06 | 805.2 | 59,59 |
| 160 | 649.3 | 370.3 | 368.2 | 387.7 | 666.6 | 443.1 | 462.4 | 439.9 | 150-160 | 121.9 | 927.1 | 68,68 |
| 170 | 1518 | 1443 | 1675 | 1456 | 1535 | 1559 | 1860 | 1552 | 160-170 | 247.0 | 1174 | 86.1,86.1 |
| 180 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 170-180 | 190.1 | 1364 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 659.54 lm

%lum = 48.3%

%lamp = 48.3%

Conical surface Flux(120deg): 688.19 lm

%lum = 50.4%

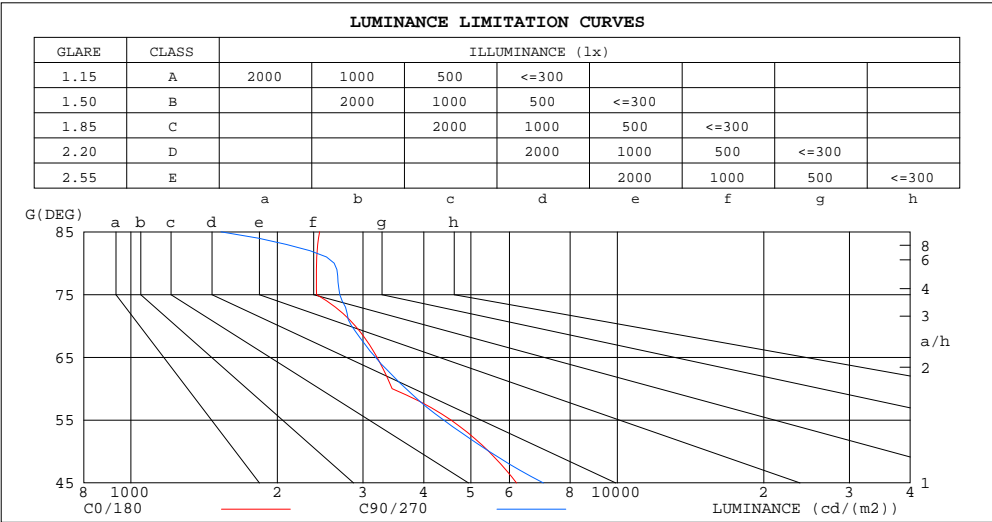
%lamp = 50.4%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 2443 | 1532 |
| 80 | 2408 | 2617 |
| 75 | 2409 | 2688 |
| 70 | 2893 | 2843 |
| 65 | 3207 | 3186 |
| 60 | 3443 | 3678 |
| 55 | 4550 | 4396 |
| 50 | 5442 | 5452 |
| 45 | 6203 | 7045 |

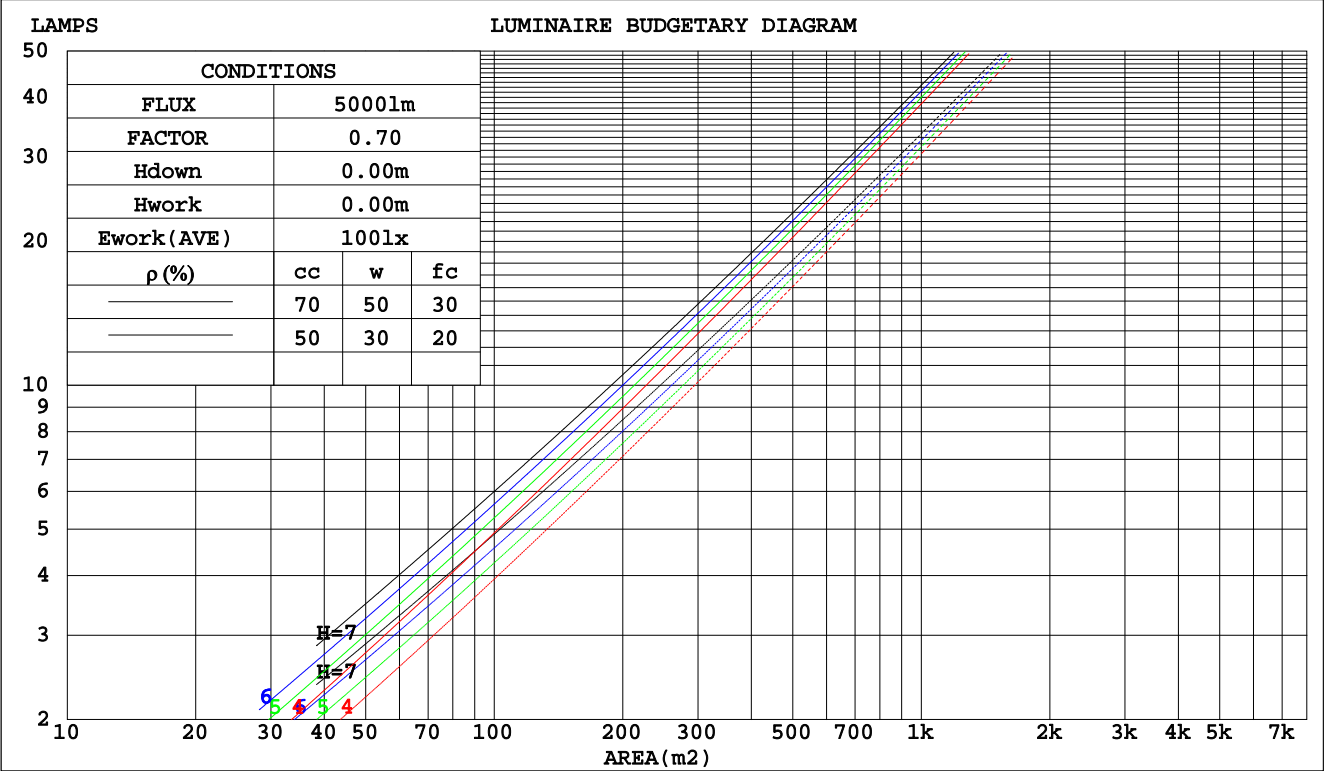
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance:2.500m [K=1.0461]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:22 October 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance:2.500m [K=1.0461]
Remarks:

WEC AND CCEC

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | 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 | .208 | .118 | .038 | .187 | .107 | .034 | .147 | .084 | .027 | .110 | .063 | .020 | .076 | .044 | .014 | |
| 2.0 | .193 | .106 | .032 | .174 | .096 | .029 | .138 | .076 | .024 | .104 | .058 | .018 | .073 | .041 | .013 | |
| 3.0 | .179 | .095 | .029 | .162 | .087 | .026 | .129 | .070 | .021 | .098 | .054 | .017 | .070 | .039 | .012 | |
| 4.0 | .167 | .087 | .025 | .151 | .079 | .023 | .121 | .064 | .019 | .093 | .050 | .015 | .067 | .036 | .011 | |
| 5.0 | .156 | .079 | .023 | .141 | .073 | .021 | .114 | .059 | .017 | .088 | .046 | .014 | .064 | .034 | .010 | |
| 6.0 | .146 | .073 | .021 | .133 | .067 | .019 | .107 | .055 | .016 | .083 | .043 | .013 | .061 | .032 | .010 | |
| 7.0 | .137 | .068 | .019 | .125 | .062 | .018 | .101 | .051 | .015 | .079 | .041 | .012 | .059 | .030 | .009 | |
| 8.0 | .130 | .063 | .018 | .118 | .058 | .016 | .096 | .048 | .014 | .076 | .038 | .011 | .056 | .029 | .008 | |
| 9.0 | .123 | .059 | .017 | .112 | .055 | .015 | .091 | .045 | .013 | .072 | .036 | .010 | .054 | .027 | .008 | |
| 10.0 | .116 | .056 | .015 | .106 | .051 | .014 | .087 | .043 | .012 | .069 | .034 | .010 | .052 | .026 | .007 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .559 | .559 | .559 | .478 | .478 | .478 | .326 | .326 | .326 | .187 | .187 | .187 | .060 | .060 | .060 | |
| 1.0 | .545 | .529 | .514 | .466 | .454 | .442 | .319 | .312 | .306 | .184 | .181 | .178 | .059 | .058 | .058 | |
| 2.0 | .533 | .506 | .484 | .457 | .436 | .418 | .313 | .302 | .292 | .180 | .175 | .171 | .058 | .057 | .056 | |
| 3.0 | .523 | .490 | .463 | .448 | .422 | .402 | .308 | .293 | .282 | .178 | .171 | .166 | .057 | .056 | .054 | |
| 4.0 | .514 | .477 | .448 | .441 | .412 | .389 | .303 | .287 | .274 | .176 | .168 | .162 | .056 | .055 | .053 | |
| 5.0 | .506 | .467 | .437 | .435 | .404 | .380 | .300 | .282 | .269 | .174 | .166 | .159 | .056 | .054 | .053 | |
| 6.0 | .500 | .458 | .429 | .429 | .397 | .374 | .296 | .278 | .264 | .172 | .163 | .157 | .055 | .053 | .052 | |
| 7.0 | .493 | .452 | .423 | .424 | .392 | .368 | .293 | .275 | .261 | .170 | .162 | .155 | .055 | .053 | .051 | |
| 8.0 | .488 | .446 | .418 | .420 | .387 | .364 | .290 | .272 | .258 | .169 | .160 | .154 | .055 | .053 | .051 | |
| 9.0 | .483 | .441 | .414 | .416 | .383 | .361 | .288 | .269 | .256 | .168 | .159 | .153 | .054 | .052 | .051 | |
| 10.0 | .478 | .437 | .411 | .412 | .380 | .358 | .286 | .267 | .255 | .167 | .158 | .152 | .054 | .052 | .050 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------|----------------|------|------------------|------|------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | | | | | | | | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: LEDVANCE LLC | | | | | SUR.: | | | 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 | 9.6 | 10.3 | 10.5 | 11.1 | 12.1 | 9.5 | 10.2 | 10.4 | 11.0 | 12.0 |
| 3H | 10.1 | 10.7 | 11.0 | 11.6 | 12.6 | 10.0 | 10.6 | 10.9 | 11.4 | 12.5 |
| 4H | 10.3 | 10.9 | 11.2 | 11.7 | 12.7 | 10.2 | 10.8 | 11.1 | 11.6 | 12.7 |
| 6H | 10.4 | 10.9 | 11.3 | 11.8 | 12.9 | 10.4 | 10.9 | 11.3 | 11.8 | 12.9 |
| 8H | 10.4 | 11.0 | 11.3 | 11.8 | 12.9 | 10.4 | 10.9 | 11.3 | 11.8 | 12.9 |
| 12H | 10.5 | 10.9 | 11.4 | 11.8 | 12.9 | 10.4 | 10.9 | 11.3 | 11.8 | 12.9 |
| 4H 2H | 9.6 | 10.2 | 10.5 | 11.0 | 12.1 | 9.5 | 10.1 | 10.4 | 11.0 | 12.0 |
| 3H | 10.3 | 10.8 | 11.2 | 11.6 | 12.8 | 10.2 | 10.7 | 11.1 | 11.6 | 12.7 |
| 4H | 10.5 | 11.0 | 11.5 | 11.9 | 13.0 | 10.5 | 10.9 | 11.4 | 11.9 | 13.0 |
| 6H | 10.8 | 11.1 | 11.7 | 12.1 | 13.3 | 10.8 | 11.2 | 11.8 | 12.1 | 13.3 |
| 8H | 10.9 | 11.2 | 11.8 | 12.1 | 13.4 | 10.9 | 11.2 | 11.9 | 12.2 | 13.4 |
| 12H | 10.9 | 11.2 | 11.9 | 12.2 | 13.4 | 10.9 | 11.2 | 11.9 | 12.1 | 13.4 |
| 8H 4H | 10.5 | 10.9 | 11.5 | 11.8 | 13.0 | 10.5 | 10.9 | 11.5 | 11.8 | 13.0 |
| 6H | 10.9 | 11.2 | 11.9 | 12.1 | 13.4 | 10.9 | 11.2 | 11.9 | 12.2 | 13.4 |
| 8H | 11.0 | 11.3 | 12.0 | 12.3 | 13.6 | 11.1 | 11.3 | 12.1 | 12.3 | 13.6 |
| 12H | 11.2 | 11.4 | 12.2 | 12.4 | 13.7 | 11.1 | 11.3 | 12.1 | 12.3 | 13.6 |
| 12H 4H | 10.5 | 10.8 | 11.5 | 11.8 | 13.0 | 10.4 | 10.8 | 11.4 | 11.7 | 13.0 |
| 6H | 10.9 | 11.1 | 11.9 | 12.1 | 13.4 | 10.9 | 11.1 | 11.9 | 12.1 | 13.4 |
| 8H | 11.1 | 11.3 | 12.1 | 12.3 | 13.6 | 11.1 | 11.3 | 12.1 | 12.3 | 13.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 0.9 | | | | | + 0.7 / - 0.8 | | | | |
| 1.5H | + 1.3 / - 0.6 | | | | | + 1.2 / - 0.5 | | | | |
| 2.0H | + 0.8 / - 0.9 | | | | | + 1.1 / - 0.7 | | | | |

CIE Pub.117, 1364 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.1$)
Area: 0.00725968 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

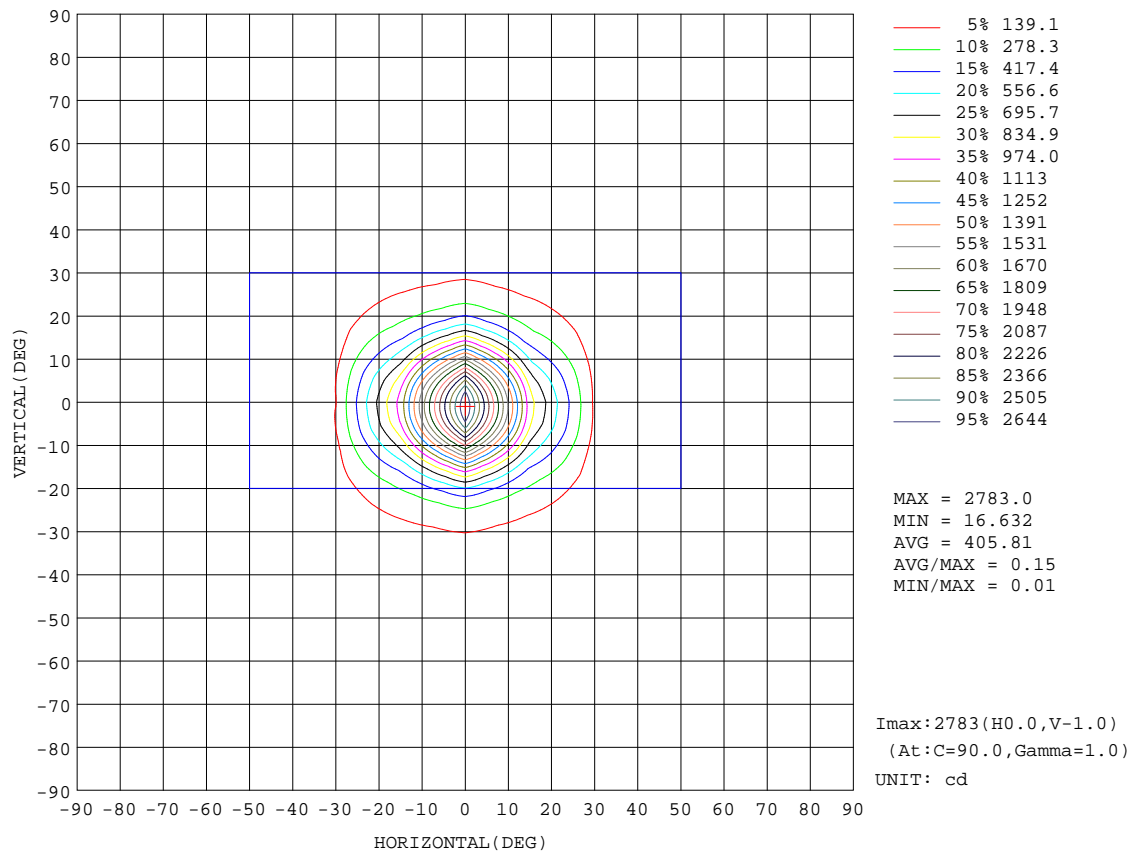
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 60 | 52 | 47 | 57 | 50 | 46 | 53 | 47 | 44 | 37 |
| 0.80 | 68 | 59 | 54 | 65 | 57 | 53 | 59 | 53 | 50 | 41 |
| 1.00 | 74 | 65 | 60 | 70 | 63 | 58 | 63 | 58 | 54 | 43 |
| 1.25 | 79 | 71 | 66 | 75 | 68 | 63 | 66 | 61 | 58 | 45 |
| 1.50 | 83 | 75 | 70 | 78 | 72 | 67 | 69 | 64 | 61 | 47 |
| 2.00 | 88 | 81 | 76 | 82 | 77 | 72 | 72 | 68 | 65 | 48 |
| 2.50 | 91 | 85 | 80 | 85 | 80 | 76 | 74 | 71 | 68 | 48 |
| 3.00 | 94 | 88 | 84 | 88 | 83 | 79 | 76 | 73 | 70 | 49 |
| 4.00 | 97 | 93 | 89 | 90 | 87 | 84 | 78 | 75 | 73 | 50 |
| 5.00 | 99 | 96 | 92 | 92 | 89 | 87 | 79 | 77 | 76 | 51 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

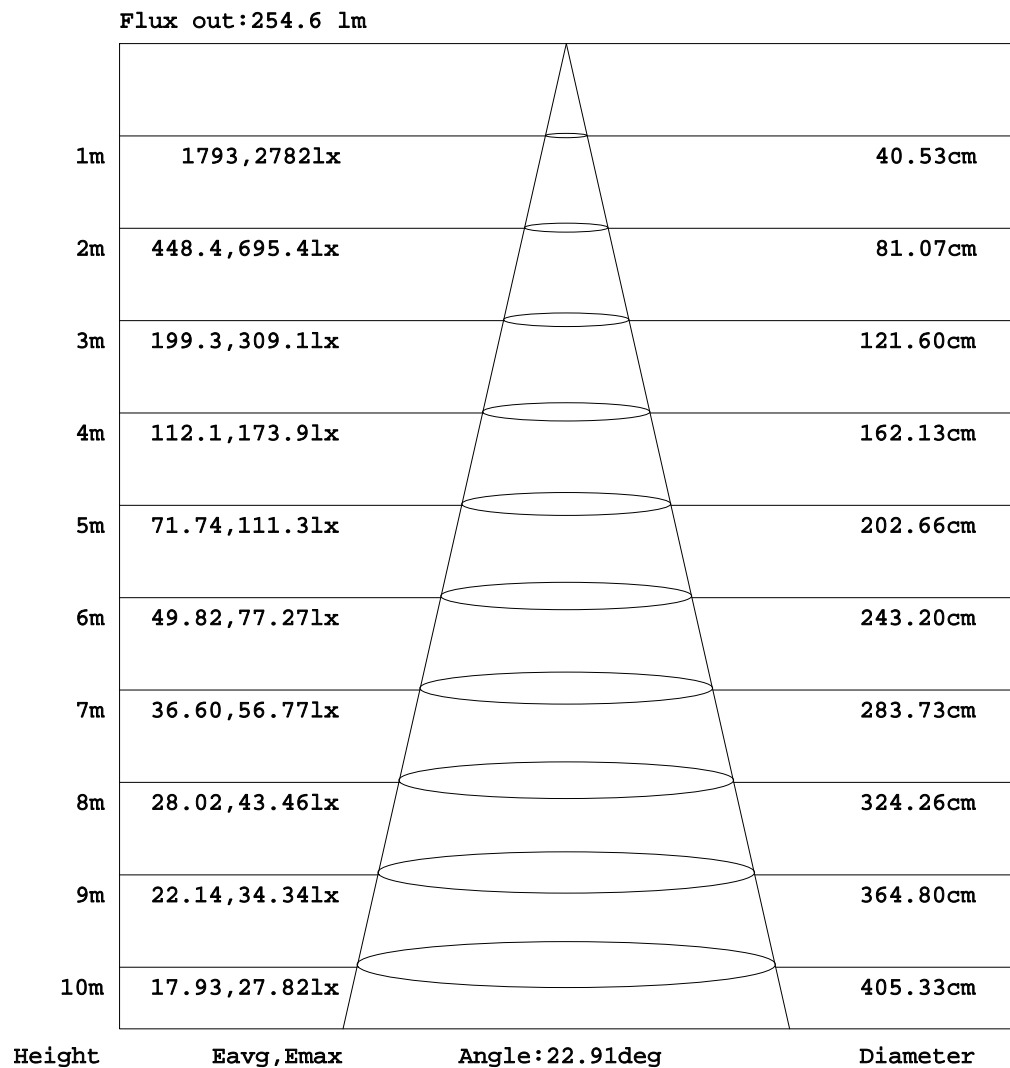


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

AAI Figure

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



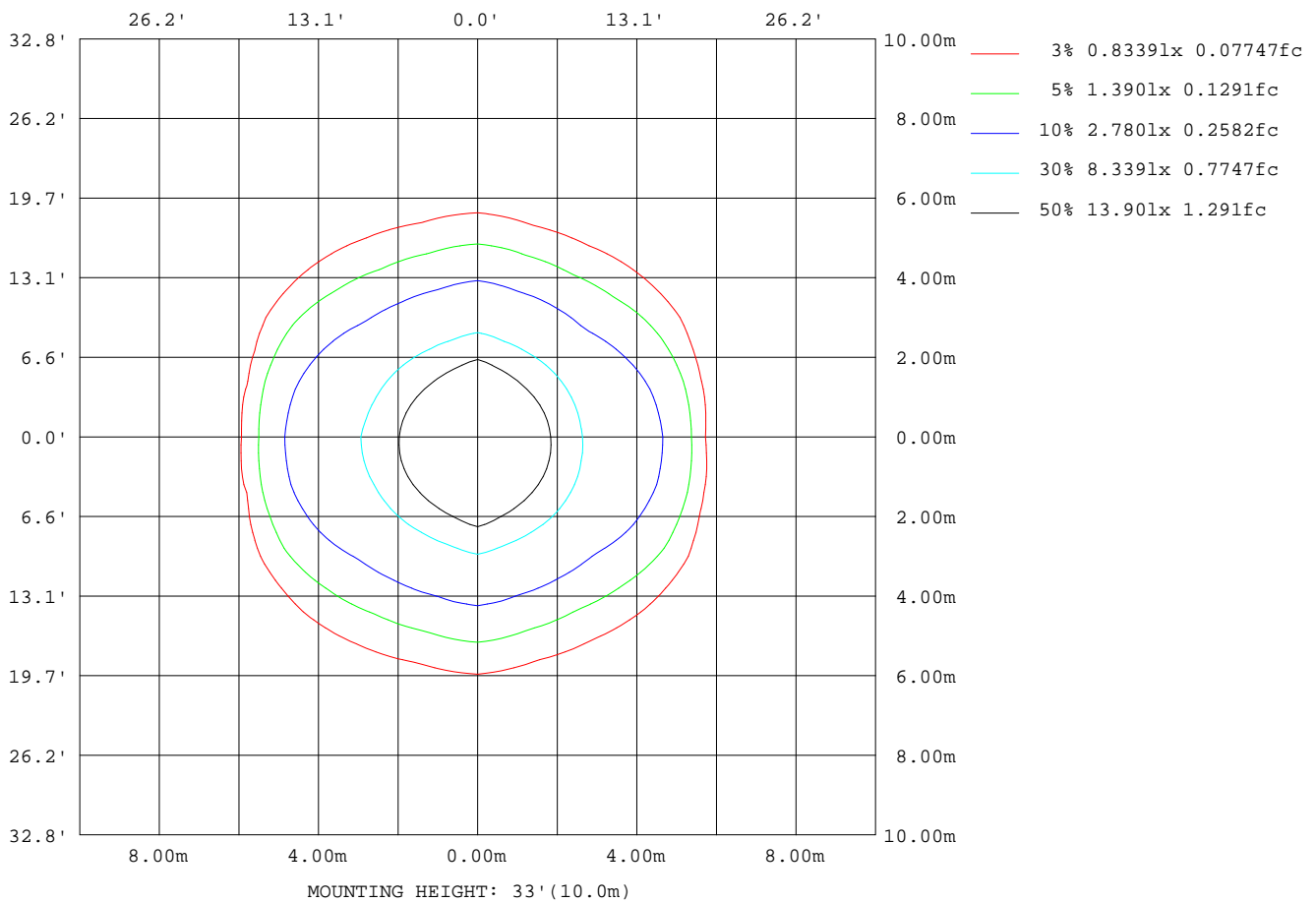
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0461]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0461]
 Remarks:

LED Avg.L Report

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

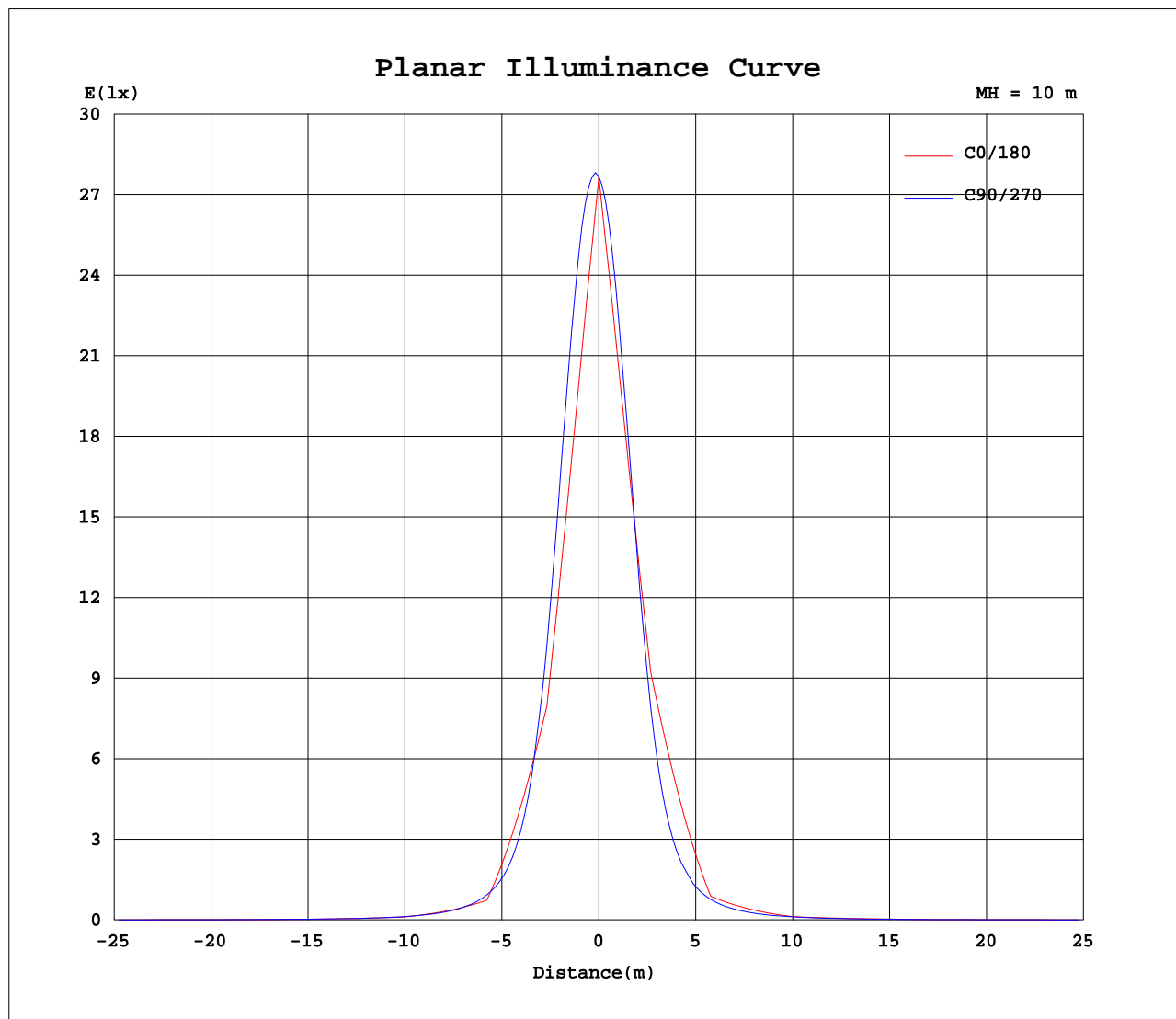
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3266 |
| L_0~180(75)av | 2414 |
| L_0~180(85)av | 2434 |
| L_90~270(65)av | 3070 |
| L_90~270(75)av | 2532 |
| L_90~270(85)av | 964 |
| L_45(65)av | 3170 |
| L_45(75)av | 2586 |
| L_45(85)av | 2369 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 40.9%
Test Distance: 2.500m [K=1.0461]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 | 2767 |
| 5 | 2140 | 2171 | 2214 | 2274 | 2357 | 2467 | 2609 | 2478 | 2378 | 2305 | 2253 | 2215 | 2187 | 2168 | 2160 | 2167 | 2202 | 2273 | 2384 |
| 10 | 1512 | 1546 | 1582 | 1614 | 1667 | 1767 | 1948 | 1782 | 1698 | 1664 | 1652 | 1633 | 1606 | 1565 | 1517 | 1471 | 1465 | 1509 | 1634 |
| 15 | 884 | 921 | 954 | 968 | 972 | 1010 | 1137 | 1021 | 997 | 1021 | 1043 | 1045 | 1025 | 983 | 927 | 867 | 813 | 805 | 879 |
| 20 | 627 | 621 | 556 | 486 | 489 | 490 | 552 | 499 | 511 | 530 | 626 | 713 | 729 | 661 | 548 | 449 | 407 | 389 | 422 |
| 25 | 370 | 372 | 331 | 269 | 239 | 238 | 266 | 245 | 257 | 296 | 369 | 427 | 432 | 393 | 322 | 252 | 214 | 200 | 215 |
| 30 | 113 | 144 | 168 | 151 | 134 | 131 | 143 | 136 | 147 | 167 | 189 | 167 | 136 | 159 | 168 | 146 | 126 | 114 | 118 |
| 35 | 86.1 | 85.1 | 77.6 | 85.2 | 82.8 | 79.3 | 85.7 | 82.7 | 89.8 | 94.9 | 89.6 | 98.7 | 102 | 95.6 | 83.4 | 84.6 | 78.5 | 71.8 | 72.9 |
| 40 | 59.0 | 59.5 | 56.0 | 50.0 | 52.7 | 51.3 | 53.8 | 53.3 | 56.6 | 55.5 | 63.7 | 68.1 | 68.9 | 66.0 | 59.7 | 51.9 | 51.0 | 48.0 | 48.2 |
| 45 | 31.8 | 35.0 | 37.8 | 36.1 | 35.0 | 35.3 | 36.2 | 36.6 | 37.4 | 39.5 | 42.1 | 39.2 | 35.6 | 38.2 | 39.9 | 37.0 | 34.5 | 33.7 | 33.1 |
| 50 | 25.4 | 25.3 | 24.1 | 25.6 | 24.4 | 24.8 | 25.4 | 25.7 | 26.0 | 27.5 | 26.1 | 27.8 | 28.1 | 27.2 | 25.2 | 25.9 | 24.3 | 23.7 | 23.5 |
| 55 | 18.9 | 19.1 | 18.7 | 17.7 | 18.0 | 17.8 | 18.3 | 18.4 | 18.9 | 18.6 | 19.9 | 20.6 | 20.6 | 20.2 | 19.3 | 17.7 | 17.6 | 17.0 | 17.0 |
| 60 | 12.5 | 13.1 | 13.8 | 13.6 | 13.3 | 13.1 | 13.3 | 13.3 | 13.7 | 14.1 | 14.3 | 13.6 | 13.0 | 13.4 | 13.9 | 13.4 | 12.8 | 12.3 | 12.4 |
| 65 | 9.84 | 9.92 | 9.81 | 10.0 | 9.89 | 9.75 | 9.78 | 9.83 | 9.99 | 10.2 | 9.82 | 10.1 | 10.2 | 10.0 | 9.64 | 9.68 | 9.33 | 8.96 | 9.06 |
| 70 | 7.18 | 7.35 | 7.42 | 7.28 | 7.34 | 7.12 | 7.06 | 7.12 | 7.30 | 7.23 | 7.29 | 7.37 | 7.37 | 7.34 | 7.17 | 6.85 | 6.73 | 6.21 | 6.47 |
| 75 | 4.53 | 4.80 | 5.07 | 5.21 | 5.20 | 5.15 | 5.05 | 5.01 | 5.04 | 5.08 | 4.83 | 4.62 | 4.54 | 4.66 | 4.75 | 4.76 | 4.51 | 4.08 | 4.47 |
| 80 | 3.04 | 3.15 | 3.20 | 3.28 | 3.29 | 3.31 | 3.30 | 3.14 | 3.17 | 3.10 | 2.98 | 3.01 | 3.04 | 3.04 | 2.94 | 2.87 | 2.52 | 1.79 | 2.49 |
| 85 | 1.55 | 1.60 | 1.62 | 1.67 | 1.58 | 1.03 | 0.97 | 1.04 | 1.51 | 1.57 | 1.51 | 1.52 | 1.53 | 1.54 | 1.49 | 1.46 | 1.03 | 0.23 | 0.25 |
| 90 | 0.06 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.07 | 0.09 | 0.12 | 0.03 |
| 95 | 1.25 | 1.20 | 1.15 | 1.13 | 0.95 | 0.37 | 0.36 | 0.52 | 1.11 | 1.22 | 1.26 | 1.31 | 1.33 | 1.30 | 1.27 | 1.25 | 1.16 | 0.74 | 0.63 |
| 100 | 2.45 | 2.36 | 2.25 | 2.21 | 2.13 | 2.04 | 2.17 | 2.34 | 2.36 | 2.40 | 2.48 | 2.59 | 2.62 | 2.56 | 2.50 | 2.46 | 2.46 | 2.32 | 2.28 |
| 105 | 3.65 | 3.63 | 3.73 | 3.78 | 3.62 | 3.60 | 3.64 | 3.72 | 3.83 | 4.02 | 4.03 | 3.97 | 3.92 | 3.93 | 4.06 | 4.14 | 4.04 | 3.92 | 3.82 |
| 110 | 6.11 | 5.98 | 5.81 | 5.52 | 5.46 | 5.35 | 5.40 | 5.44 | 5.68 | 5.81 | 6.10 | 6.24 | 6.33 | 6.27 | 6.16 | 5.99 | 6.05 | 5.83 | 5.70 |
| 115 | 8.57 | 8.35 | 7.97 | 7.94 | 7.68 | 7.65 | 7.69 | 7.74 | 7.97 | 8.20 | 8.20 | 8.54 | 8.74 | 8.63 | 8.31 | 8.52 | 8.33 | 8.25 | 8.12 |
| 120 | 11.0 | 11.3 | 11.5 | 11.1 | 10.7 | 10.5 | 10.7 | 10.6 | 10.9 | 11.3 | 11.6 | 11.3 | 11.2 | 11.6 | 12.0 | 11.9 | 11.6 | 11.4 | 11.5 |
| 125 | 17.1 | 16.8 | 16.0 | 14.8 | 14.8 | 14.5 | 14.7 | 14.5 | 14.8 | 14.9 | 15.9 | 16.6 | 17.0 | 17.1 | 16.7 | 15.9 | 16.3 | 16.0 | 16.2 |
| 130 | 23.2 | 22.4 | 20.9 | 20.8 | 20.1 | 19.9 | 20.0 | 19.7 | 19.8 | 20.8 | 20.5 | 21.9 | 22.9 | 22.8 | 21.8 | 23.1 | 22.3 | 22.4 | 22.6 |
| 135 | 29.3 | 31.3 | 32.0 | 28.8 | 27.3 | 26.6 | 26.7 | 26.5 | 27.0 | 28.6 | 31.7 | 30.8 | 28.7 | 32.4 | 35.3 | 32.8 | 31.8 | 31.6 | 31.8 |
| 140 | 57.9 | 54.3 | 47.4 | 39.4 | 39.6 | 37.3 | 38.1 | 37.1 | 39.6 | 39.5 | 47.3 | 54.3 | 57.9 | 58.1 | 53.8 | 46.2 | 48.3 | 46.2 | 47.8 |
| 145 | 86.5 | 79.3 | 66.8 | 68.3 | 63.3 | 57.5 | 59.9 | 57.7 | 63.2 | 68.3 | 66.8 | 79.7 | 87.1 | 85.3 | 75.9 | 82.0 | 79.7 | 73.5 | 78.6 |
| 150 | 115 | 133 | 136 | 119 | 107 | 97.6 | 104 | 97.6 | 107 | 121 | 140 | 136 | 116 | 145 | 158 | 144 | 133 | 124 | 134 |
| 155 | 382 | 339 | 263 | 206 | 181 | 174 | 185 | 174 | 183 | 213 | 275 | 351 | 391 | 371 | 307 | 249 | 223 | 216 | 235 |
| 160 | 649 | 581 | 456 | 370 | 354 | 338 | 368 | 340 | 359 | 388 | 479 | 601 | 667 | 630 | 525 | 443 | 434 | 419 | 462 |
| 165 | 916 | 882 | 838 | 805 | 778 | 779 | 862 | 784 | 788 | 823 | 863 | 909 | 942 | 942 | 927 | 913 | 901 | 917 | 1019 |
| 170 | 1518 | 1491 | 1465 | 1443 | 1450 | 1521 | 1675 | 1526 | 1460 | 1456 | 1480 | 1508 | 1535 | 1539 | 1543 | 1559 | 1599 | 1688 | 1860 |
| 175 | 2119 | 2111 | 2116 | 2142 | 2194 | 2279 | 2403 | 2281 | 2199 | 2149 | 2124 | 2119 | 2128 | 2138 | 2163 | 2206 | 2273 | 2370 | 2500 |
| 180 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 | 2721 |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0821A P:9.79W PF:0.9936 Freq:60.00Hz Lamp Flux:1364.24x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 2767 | 2767 | 2767 | 2767 | 2767 | | | | | | | | | | | | | |
| 5 | 2262 | 2180 | 2136 | 2120 | 2123 | | | | | | | | | | | | | |
| 10 | 1492 | 1429 | 1416 | 1442 | 1476 | | | | | | | | | | | | | |
| 15 | 788 | 775 | 800 | 827 | 854 | | | | | | | | | | | | | |
| 20 | 378 | 378 | 385 | 462 | 564 | | | | | | | | | | | | | |
| 25 | 194 | 194 | 217 | 272 | 333 | | | | | | | | | | | | | |
| 30 | 109 | 114 | 127 | 142 | 133 | | | | | | | | | | | | | |
| 35 | 68.5 | 71.7 | 74.8 | 71.4 | 80.4 | | | | | | | | | | | | | |
| 40 | 46.1 | 47.0 | 45.8 | 51.6 | 56.3 | | | | | | | | | | | | | |
| 45 | 32.4 | 32.1 | 33.1 | 35.1 | 33.6 | | | | | | | | | | | | | |
| 50 | 23.1 | 22.8 | 23.6 | 22.6 | 24.4 | | | | | | | | | | | | | |
| 55 | 16.6 | 16.7 | 16.2 | 17.4 | 18.4 | | | | | | | | | | | | | |
| 60 | 12.2 | 12.2 | 12.4 | 12.7 | 12.5 | | | | | | | | | | | | | |
| 65 | 9.22 | 8.95 | 8.99 | 8.96 | 9.38 | | | | | | | | | | | | | |
| 70 | 6.77 | 6.54 | 6.38 | 6.63 | 6.83 | | | | | | | | | | | | | |
| 75 | 4.99 | 4.48 | 4.39 | 4.37 | 4.30 | | | | | | | | | | | | | |
| 80 | 3.22 | 2.56 | 2.54 | 2.70 | 2.81 | | | | | | | | | | | | | |
| 85 | 1.13 | 1.10 | 1.30 | 1.38 | 1.43 | | | | | | | | | | | | | |
| 90 | 0.11 | 0.09 | 0.07 | 0.06 | 0.05 | | | | | | | | | | | | | |
| 95 | 0.68 | 1.07 | 1.16 | 1.21 | 1.27 | | | | | | | | | | | | | |
| 100 | 2.27 | 2.28 | 2.25 | 2.37 | 2.48 | | | | | | | | | | | | | |
| 105 | 3.75 | 3.81 | 3.97 | 3.93 | 3.81 | | | | | | | | | | | | | |
| 110 | 5.63 | 5.80 | 5.90 | 6.11 | 6.17 | | | | | | | | | | | | | |
| 115 | 8.06 | 8.24 | 8.53 | 8.33 | 8.55 | | | | | | | | | | | | | |
| 120 | 11.3 | 11.6 | 12.0 | 12.1 | 11.5 | | | | | | | | | | | | | |
| 125 | 15.9 | 16.3 | 16.0 | 17.0 | 17.2 | | | | | | | | | | | | | |
| 130 | 22.5 | 22.5 | 23.5 | 22.2 | 23.1 | | | | | | | | | | | | | |
| 135 | 31.9 | 32.1 | 33.5 | 35.5 | 32.6 | | | | | | | | | | | | | |
| 140 | 46.5 | 48.8 | 46.7 | 53.6 | 57.9 | | | | | | | | | | | | | |
| 145 | 73.7 | 79.8 | 82.2 | 75.6 | 84.6 | | | | | | | | | | | | | |
| 150 | 124 | 133 | 145 | 157 | 143 | | | | | | | | | | | | | |
| 155 | 216 | 224 | 248 | 304 | 365 | | | | | | | | | | | | | |
| 160 | 419 | 434 | 440 | 515 | 617 | | | | | | | | | | | | | |
| 165 | 917 | 899 | 907 | 914 | 923 | | | | | | | | | | | | | |
| 170 | 1686 | 1594 | 1552 | 1533 | 1526 | | | | | | | | | | | | | |
| 175 | 2368 | 2270 | 2201 | 2157 | 2131 | | | | | | | | | | | | | |
| 180 | 2721 | 2721 | 2721 | 2721 | 2721 | | | | | | | | | | | | | |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 22 October 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 40.9%

Test Distance: 2.500m [K=1.0461]

Remarks: