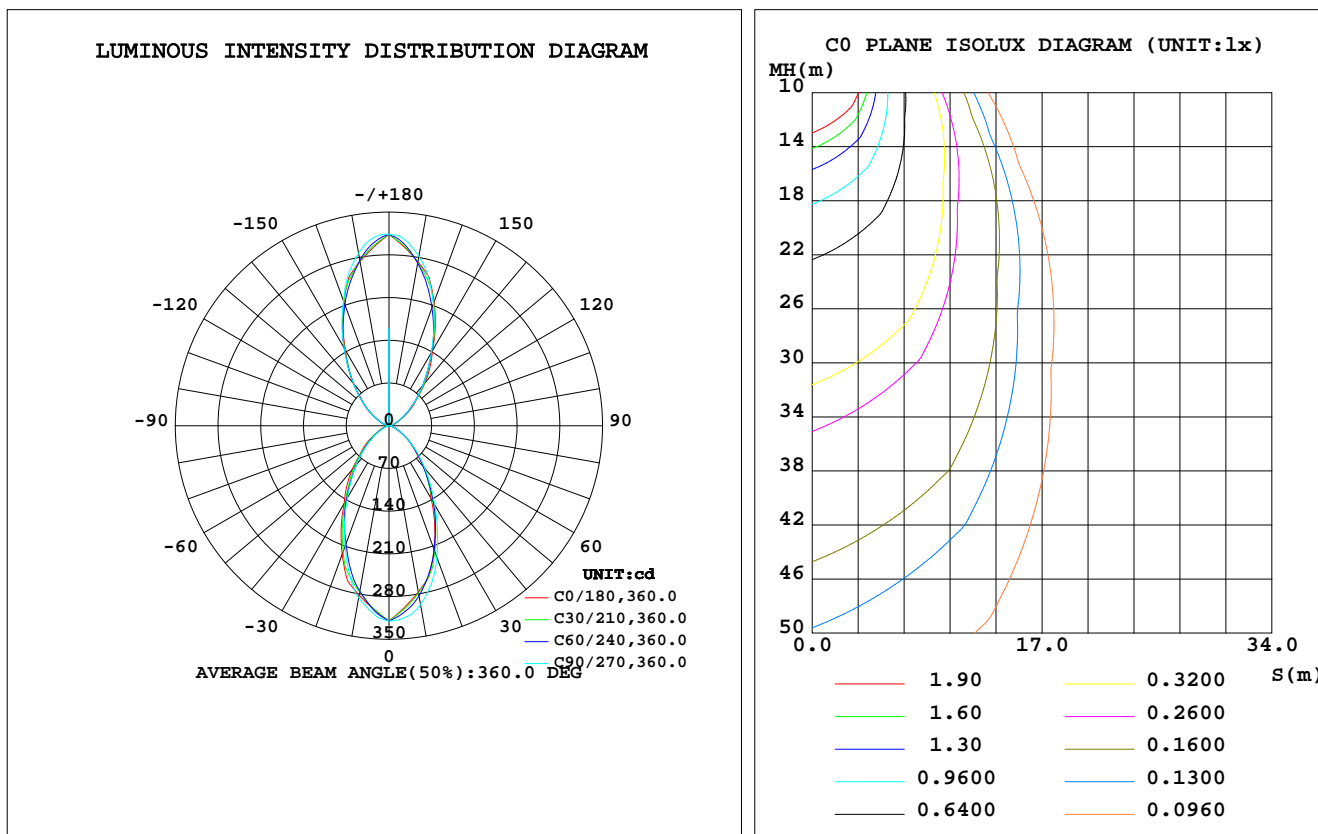


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|----------|------------------|
| Test:U:120.0V I:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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: 141.03 lm/W | | | |
|------------------|-----------------------|--|---------|-------------------|-----------|
| MODEL | INDPS010UNHD8SC2R3BZP | Imax(cd) | 319.9 | S/MH(C0/180) | 0.84 |
| NOMINAL POWER(W) | 5 | LOR(%) | 100.0 | S/MH(C90/270) | 0.79 |
| RATED VOLTAGE(V) | 120-347 | TOTAL FLUX(lm) | 709.38 | η UP,DN(C0-180) | 24.6,25.7 |
| NOMINAL FLUX(lm) | 709.38 | CIE CLASS | DIFFUSE | η UP,DN(C180-360) | 25.3,24.3 |
| LAMPS INSIDE | 1 | η up(%) | 49.9 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 120 | η down(%) | 50.1 | CIBSE SHR MAX | 0.90 |



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 | 276.5 | 280.4 | 297.4 | 284.0 | 282.0 | 274.6 | 286.1 | 270.9 | 0- 10 | 28.20 | 28.20 | 3.97,3.97 |
| 20 | 216.0 | 221.0 | 230.0 | 225.5 | 224.3 | 216.1 | 210.6 | 208.6 | 10- 20 | 70.21 | 98.41 | 13.9,13.9 |
| 30 | 138.3 | 144.4 | 150.2 | 151.4 | 146.9 | 141.8 | 136.3 | 135.9 | 20- 30 | 81.74 | 180.1 | 25.4,25.4 |
| 40 | 88.53 | 87.13 | 92.09 | 92.23 | 94.11 | 86.17 | 82.87 | 82.28 | 30- 40 | 70.67 | 250.8 | 35.4,35.4 |
| 50 | 49.42 | 49.18 | 50.63 | 52.30 | 52.76 | 47.53 | 44.64 | 45.02 | 40- 50 | 51.39 | 302.2 | 42.6,42.6 |
| 60 | 20.94 | 23.74 | 23.50 | 25.72 | 22.83 | 22.84 | 20.13 | 21.31 | 50- 60 | 30.98 | 333.2 | 47.47 |
| 70 | 9.994 | 9.374 | 9.623 | 10.32 | 11.04 | 8.785 | 7.499 | 7.997 | 60- 70 | 14.99 | 348.2 | 49.1,49.1 |
| 80 | 3.021 | 2.660 | 2.927 | 3.065 | 3.435 | 2.398 | 1.914 | 2.046 | 70- 80 | 5.788 | 354.0 | 49.9,49.9 |
| 90 | 0.0241 | 0.0409 | 0.0561 | 0.0355 | 0.0203 | 0.0273 | 0.0238 | 0.0272 | 80- 90 | 1.359 | 355.3 | 50.1,50.1 |
| 100 | 3.038 | 2.143 | 2.028 | 2.218 | 3.115 | 2.471 | 2.314 | 2.407 | 90-100 | 1.246 | 356.6 | 50.3,50.3 |
| 110 | 10.47 | 8.750 | 8.270 | 8.895 | 10.54 | 9.548 | 8.782 | 9.464 | 100-110 | 5.633 | 362.2 | 51.1,51.1 |
| 120 | 22.33 | 23.20 | 21.91 | 23.30 | 22.30 | 24.89 | 23.24 | 24.73 | 110-120 | 15.26 | 377.5 | 53.2,53.2 |
| 130 | 51.61 | 48.26 | 47.43 | 48.10 | 51.47 | 51.39 | 50.58 | 50.63 | 120-130 | 31.75 | 409.2 | 57.7,57.7 |
| 140 | 91.73 | 86.32 | 85.51 | 85.95 | 91.33 | 90.28 | 90.29 | 89.17 | 130-140 | 52.11 | 461.3 | 65.65 |
| 150 | 142.7 | 141.6 | 139.3 | 138.8 | 141.9 | 145.5 | 147.1 | 144.5 | 140-150 | 70.87 | 532.2 | 75.75 |
| 160 | 216.0 | 212.1 | 212.4 | 210.8 | 216.0 | 216.8 | 218.4 | 214.7 | 150-160 | 80.80 | 613.0 | 86.4,86.4 |
| 170 | 273.0 | 270.0 | 282.0 | 270.0 | 273.3 | 274.0 | 287.2 | 273.4 | 160-170 | 68.69 | 681.7 | 96.1,96.1 |
| 180 | 313.7 | 313.7 | 313.7 | 313.7 | 313.7 | 313.7 | 313.7 | 313.7 | 170-180 | 27.69 | 709.4 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 279.22 lm

%lum = 39.4%

%lamp = 39.4%

Conical surface Flux(120deg): 333.2 lm

%lum = 47.0%

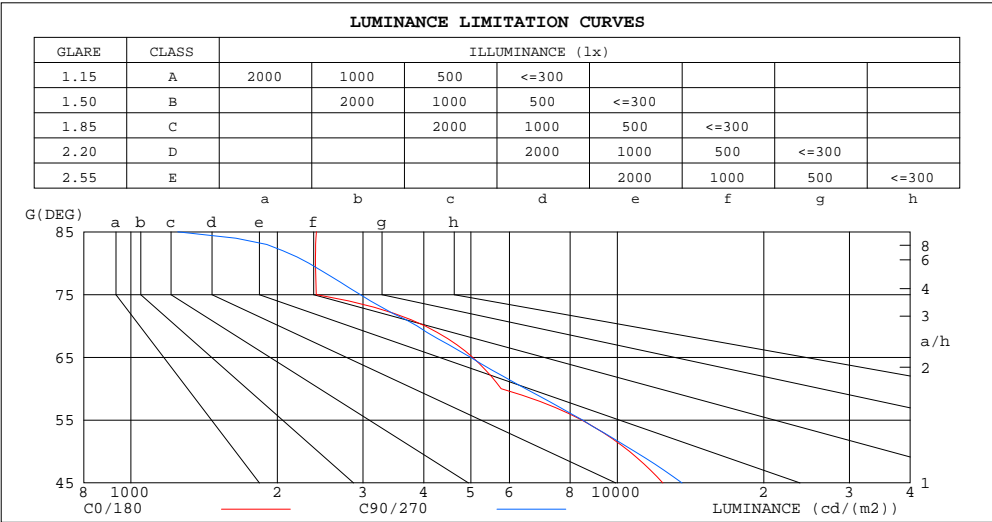
%lamp = 47.0%

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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 | 2406 | 1248 |
| 80 | 2396 | 2322 |
| 75 | 2405 | 2961 |
| 70 | 4025 | 3876 |
| 65 | 5042 | 4993 |
| 60 | 5770 | 6475 |
| 55 | 8449 | 8486 |
| 50 | 10591 | 10850 |
| 45 | 12401 | 13582 |

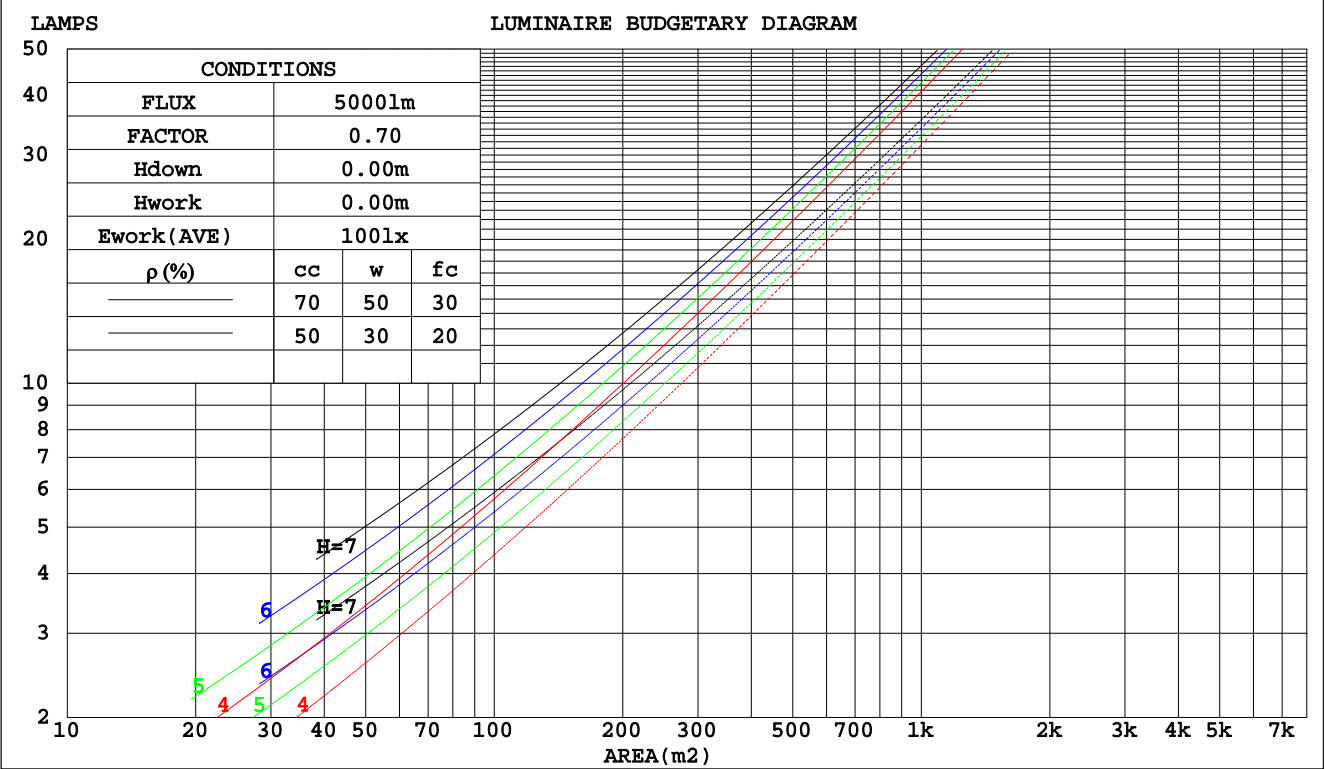
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators:Alan Wang
Test Date:22 October 2024

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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 | .240 | .136 | .043 | .218 | .124 | .039 | .177 | .101 | .032 | .139 | .080 | .026 | .104 | .060 | .019 | |
| 2.0 | .226 | .124 | .038 | .206 | .113 | .035 | .168 | .094 | .029 | .134 | .075 | .024 | .102 | .058 | .018 | |
| 3.0 | .211 | .112 | .034 | .193 | .103 | .031 | .159 | .086 | .026 | .127 | .070 | .021 | .098 | .054 | .017 | |
| 4.0 | .197 | .102 | .030 | .181 | .095 | .028 | .149 | .079 | .024 | .120 | .065 | .020 | .093 | .051 | .015 | |
| 5.0 | .185 | .094 | .027 | .169 | .087 | .025 | .141 | .073 | .022 | .114 | .060 | .018 | .089 | .048 | .014 | |
| 6.0 | .173 | .087 | .025 | .159 | .080 | .023 | .133 | .068 | .020 | .108 | .056 | .016 | .085 | .045 | .013 | |
| 7.0 | .163 | .080 | .023 | .150 | .075 | .021 | .125 | .063 | .018 | .102 | .052 | .015 | .080 | .042 | .012 | |
| 8.0 | .153 | .075 | .021 | .141 | .070 | .020 | .118 | .059 | .017 | .097 | .049 | .014 | .077 | .039 | .011 | |
| 9.0 | .145 | .070 | .020 | .134 | .065 | .018 | .112 | .056 | .016 | .092 | .046 | .013 | .073 | .037 | .011 | |
| 10.0 | .137 | .066 | .018 | .127 | .061 | .017 | .107 | .052 | .015 | .088 | .044 | .012 | .070 | .035 | .010 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .571 | .571 | .571 | .488 | .488 | .488 | .333 | .333 | .333 | .191 | .191 | .191 | .061 | .061 | .061 | |
| 1.0 | .559 | .540 | .523 | .478 | .464 | .450 | .327 | .319 | .311 | .188 | .185 | .181 | .060 | .059 | .059 | |
| 2.0 | .549 | .518 | .492 | .471 | .446 | .425 | .322 | .309 | .297 | .186 | .180 | .174 | .060 | .058 | .057 | |
| 3.0 | .541 | .502 | .471 | .464 | .433 | .408 | .319 | .301 | .286 | .184 | .176 | .169 | .059 | .057 | .055 | |
| 4.0 | .534 | .490 | .456 | .458 | .423 | .396 | .315 | .295 | .279 | .182 | .173 | .165 | .059 | .056 | .054 | |
| 5.0 | .527 | .480 | .445 | .453 | .415 | .387 | .312 | .290 | .273 | .181 | .170 | .162 | .058 | .056 | .053 | |
| 6.0 | .521 | .472 | .437 | .448 | .409 | .381 | .309 | .286 | .269 | .179 | .168 | .160 | .058 | .055 | .053 | |
| 7.0 | .515 | .466 | .431 | .443 | .404 | .376 | .306 | .283 | .266 | .178 | .167 | .159 | .057 | .055 | .052 | |
| 8.0 | .510 | .461 | .427 | .439 | .400 | .372 | .304 | .280 | .264 | .177 | .165 | .157 | .057 | .054 | .052 | |
| 9.0 | .505 | .456 | .423 | .435 | .396 | .369 | .301 | .278 | .262 | .175 | .164 | .156 | .057 | .054 | .052 | |
| 10.0 | .500 | .452 | .421 | .431 | .393 | .367 | .299 | .276 | .261 | .174 | .163 | .156 | .057 | .054 | .052 | |

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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 | 15.5 | 16.4 | 16.4 | 17.2 | 18.2 | 15.6 | 16.4 | 16.4 | 17.3 | 18.3 | |
| | 3H | 15.8 | 16.5 | 16.7 | 17.4 | 18.5 | 15.8 | 16.5 | 16.7 | 17.4 | 18.5 |
| | 4H | 15.8 | 16.5 | 16.7 | 17.4 | 18.5 | 15.8 | 16.5 | 16.7 | 17.4 | 18.5 |
| | 6H | 15.7 | 16.4 | 16.6 | 17.3 | 18.4 | 15.8 | 16.4 | 16.7 | 17.3 | 18.4 |
| | 8H | 15.7 | 16.3 | 16.6 | 17.2 | 18.4 | 15.7 | 16.3 | 16.6 | 17.2 | 18.4 |
| | 12H | 15.6 | 16.2 | 16.6 | 17.1 | 18.3 | 15.6 | 16.2 | 16.6 | 17.1 | 18.3 |
| 4H | 2H | 15.5 | 16.2 | 16.4 | 17.0 | 18.1 | 15.5 | 16.2 | 16.4 | 17.1 | 18.2 |
| | 3H | 15.8 | 16.4 | 16.8 | 17.3 | 18.5 | 15.8 | 16.4 | 16.7 | 17.3 | 18.5 |
| | 4H | 15.9 | 16.4 | 16.8 | 17.3 | 18.5 | 15.9 | 16.4 | 16.8 | 17.3 | 18.5 |
| | 6H | 15.8 | 16.3 | 16.8 | 17.2 | 18.5 | 15.9 | 16.3 | 16.8 | 17.3 | 18.5 |
| | 8H | 15.8 | 16.2 | 16.8 | 17.2 | 18.4 | 15.8 | 16.2 | 16.8 | 17.2 | 18.4 |
| | 12H | 15.8 | 16.2 | 16.8 | 17.1 | 18.4 | 15.7 | 16.1 | 16.7 | 17.1 | 18.4 |
| 8H | 4H | 15.7 | 16.1 | 16.7 | 17.1 | 18.3 | 15.7 | 16.1 | 16.7 | 17.1 | 18.4 |
| | 6H | 15.7 | 16.1 | 16.7 | 17.1 | 18.3 | 15.8 | 16.1 | 16.8 | 17.1 | 18.4 |
| | 8H | 15.7 | 16.0 | 16.8 | 17.0 | 18.4 | 15.7 | 16.0 | 16.8 | 17.0 | 18.3 |
| | 12H | 15.8 | 16.0 | 16.8 | 17.0 | 18.3 | 15.7 | 15.9 | 16.7 | 16.9 | 18.3 |
| 12H | 4H | 15.6 | 16.0 | 16.6 | 17.0 | 18.3 | 15.6 | 16.0 | 16.6 | 17.0 | 18.3 |
| | 6H | 15.7 | 16.0 | 16.7 | 17.0 | 18.3 | 15.7 | 16.0 | 16.7 | 17.0 | 18.3 |
| | 8H | 15.7 | 15.9 | 16.7 | 17.0 | 18.3 | 15.7 | 15.9 | 16.7 | 16.9 | 18.3 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.7 / - 1.1 | | | | | + 0.8 / - 1.1 | | | | | |
| 1.5H | + 0.7 / - 0.4 | | | | | + 0.7 / - 0.6 | | | | | |
| 2.0H | + 1.6 / - 2.0 | | | | | + 1.8 / - 1.8 | | | | | |

CIE Pub.117, 709.4 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.2$)
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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

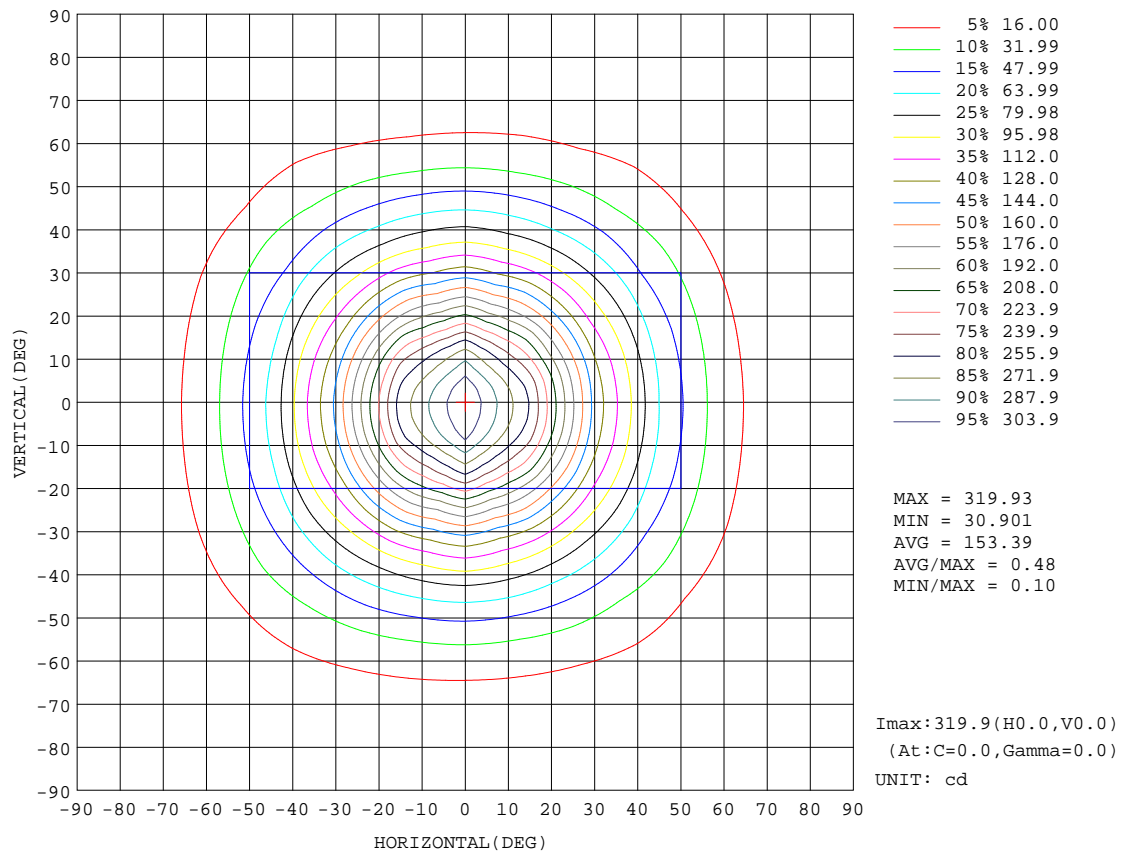
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 52 | 43 | 37 | 50 | 41 | 36 | 45 | 38 | 34 | 27 |
| 0.80 | 61 | 51 | 45 | 58 | 49 | 44 | 52 | 45 | 41 | 31 |
| 1.00 | 68 | 59 | 52 | 64 | 56 | 50 | 57 | 51 | 46 | 35 |
| 1.25 | 74 | 65 | 59 | 70 | 62 | 56 | 61 | 56 | 51 | 38 |
| 1.50 | 79 | 70 | 64 | 74 | 66 | 61 | 64 | 59 | 55 | 40 |
| 2.00 | 85 | 77 | 71 | 79 | 73 | 68 | 69 | 64 | 60 | 42 |
| 2.50 | 89 | 82 | 76 | 82 | 77 | 72 | 71 | 67 | 64 | 43 |
| 3.00 | 92 | 85 | 80 | 85 | 80 | 75 | 73 | 69 | 66 | 45 |
| 4.00 | 95 | 90 | 86 | 88 | 84 | 80 | 75 | 73 | 70 | 46 |
| 5.00 | 98 | 93 | 89 | 90 | 87 | 83 | 77 | 75 | 72 | 47 |
| 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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

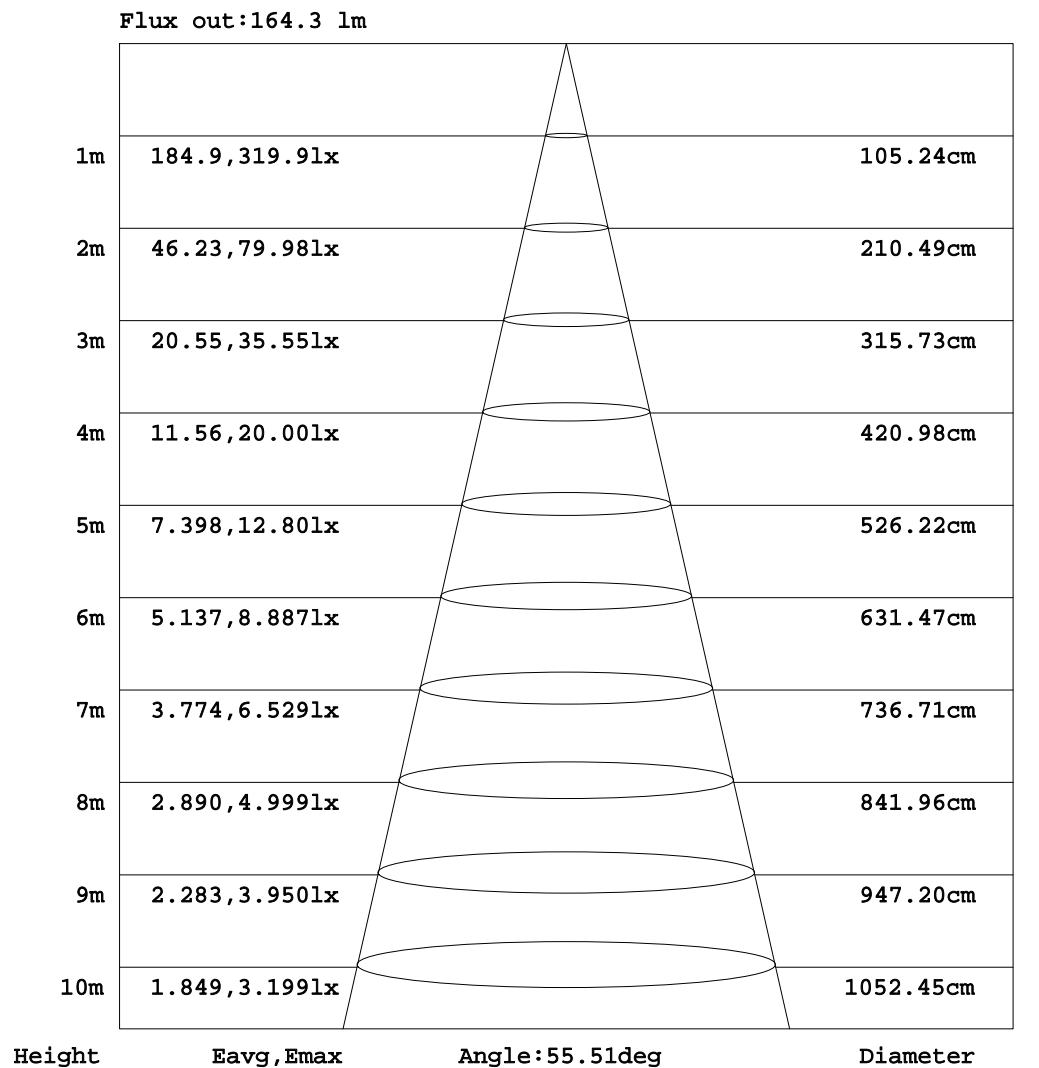


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 22 October 2024

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



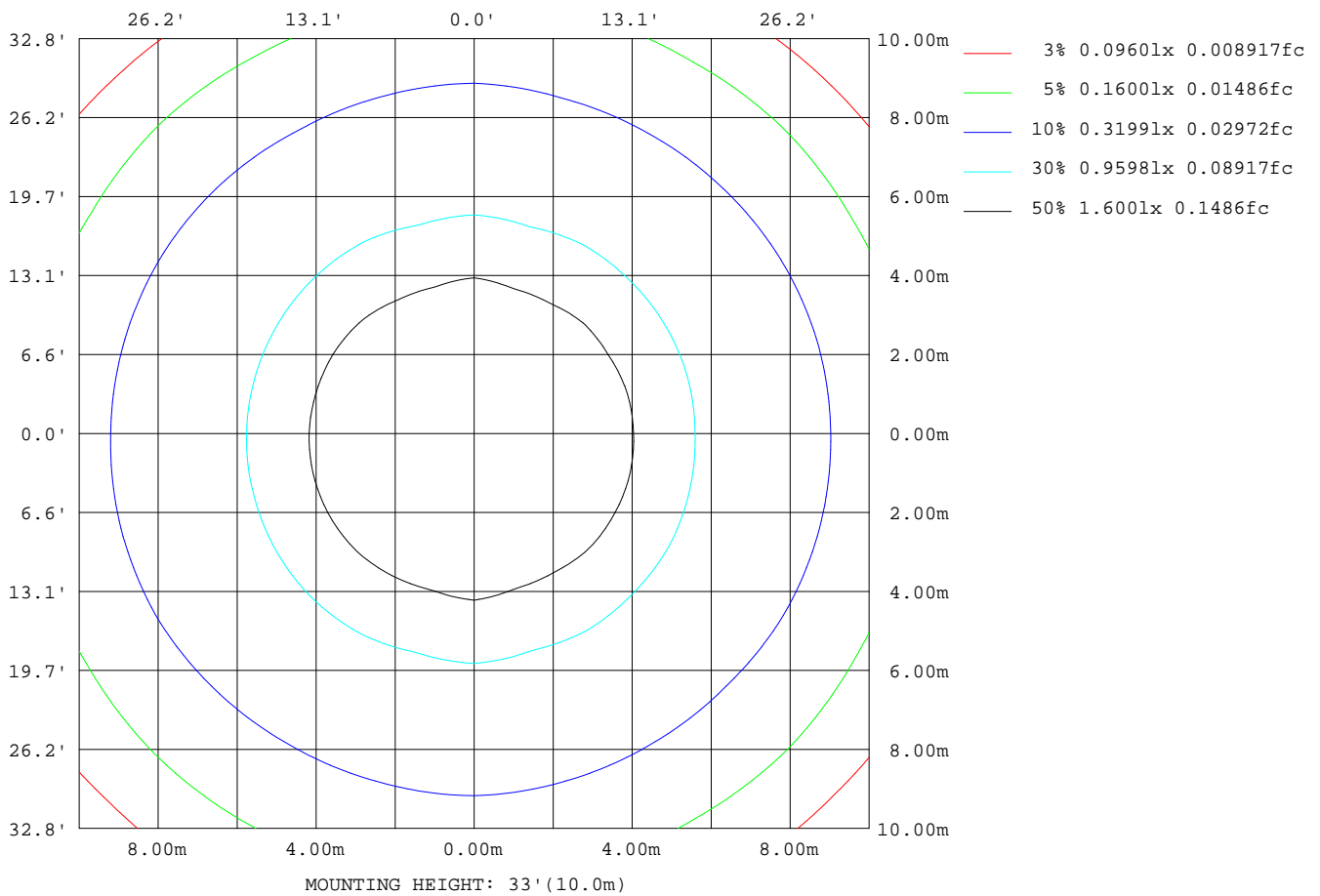
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

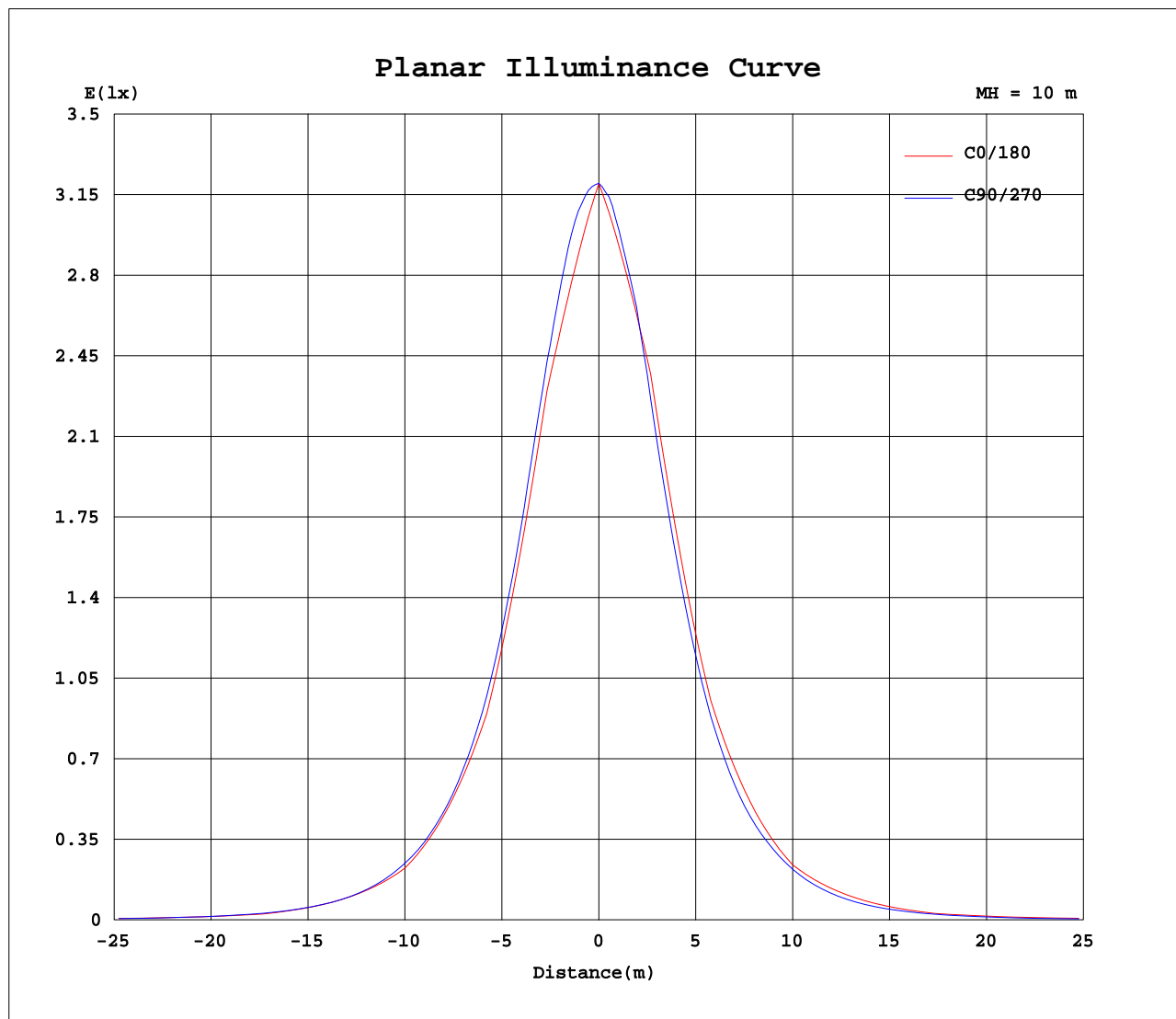
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 5281 |
| L_0~180(75)av | 2571 |
| L_0~180(85)av | 2568 |
| L_90~270(65)av | 4551 |
| L_90~270(75)av | 2576 |
| L_90~270(85)av | 778 |
| L_45(65)av | 4886 |
| L_45(75)av | 2955 |
| L_45(85)av | 2016 |

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 |
| 5 | 298 | 298 | 300 | 302 | 305 | 310 | 315 | 310 | 307 | 304 | 303 | 301 | 301 | 300 | 300 | 301 | 302 | 304 | 308 |
| 10 | 277 | 277 | 278 | 280 | 283 | 289 | 297 | 290 | 286 | 284 | 283 | 283 | 282 | 280 | 277 | 275 | 275 | 279 | 286 |
| 15 | 255 | 255 | 254 | 252 | 252 | 257 | 269 | 258 | 254 | 257 | 261 | 263 | 263 | 259 | 253 | 248 | 244 | 244 | 251 |
| 20 | 216 | 218 | 220 | 221 | 217 | 219 | 230 | 221 | 221 | 226 | 227 | 226 | 224 | 221 | 220 | 216 | 206 | 204 | 211 |
| 25 | 177 | 179 | 181 | 181 | 180 | 179 | 188 | 181 | 186 | 188 | 187 | 187 | 186 | 183 | 180 | 177 | 173 | 167 | 172 |
| 30 | 138 | 141 | 144 | 144 | 146 | 144 | 150 | 146 | 151 | 151 | 150 | 149 | 147 | 145 | 144 | 142 | 139 | 133 | 136 |
| 35 | 113 | 114 | 112 | 114 | 114 | 113 | 119 | 115 | 118 | 119 | 119 | 121 | 121 | 118 | 113 | 111 | 108 | 105 | 107 |
| 40 | 88.5 | 89.3 | 88.7 | 87.1 | 88.1 | 89.1 | 92.1 | 90.3 | 91.2 | 92.2 | 94.4 | 95.1 | 94.1 | 92.2 | 89.4 | 86.2 | 83.2 | 82.1 | 82.9 |
| 45 | 63.7 | 65.3 | 67.2 | 66.9 | 66.8 | 68.2 | 69.7 | 69.2 | 69.7 | 71.0 | 71.8 | 69.9 | 67.7 | 67.3 | 67.3 | 65.6 | 63.0 | 62.4 | 62.4 |
| 50 | 49.4 | 49.5 | 48.3 | 49.2 | 49.1 | 49.6 | 50.6 | 50.7 | 51.9 | 52.3 | 52.0 | 53.2 | 52.8 | 51.0 | 48.1 | 47.5 | 45.8 | 44.6 | 44.6 |
| 55 | 35.2 | 35.8 | 35.7 | 33.5 | 34.7 | 34.4 | 35.3 | 35.2 | 36.4 | 36.3 | 38.7 | 38.6 | 37.8 | 36.9 | 35.5 | 32.4 | 31.8 | 30.4 | 30.4 |
| 60 | 20.9 | 22.3 | 23.8 | 23.7 | 23.2 | 23.1 | 23.5 | 23.7 | 24.4 | 25.7 | 26.0 | 24.2 | 22.8 | 23.2 | 23.7 | 22.8 | 21.1 | 19.8 | 20.1 |
| 65 | 15.5 | 15.6 | 14.7 | 15.3 | 15.0 | 15.1 | 15.3 | 15.6 | 15.9 | 16.7 | 16.2 | 17.0 | 16.9 | 16.2 | 14.5 | 14.5 | 13.3 | 12.3 | 12.6 |
| 70 | 9.99 | 10.2 | 10.0 | 9.37 | 9.46 | 9.39 | 9.62 | 9.67 | 10.2 | 10.3 | 11.1 | 11.2 | 11.0 | 10.7 | 9.84 | 8.79 | 8.17 | 7.04 | 7.50 |
| 75 | 4.52 | 4.83 | 5.47 | 5.74 | 5.31 | 5.36 | 5.56 | 5.63 | 5.89 | 6.40 | 6.16 | 5.50 | 5.14 | 5.13 | 5.36 | 5.31 | 4.41 | 3.56 | 4.12 |
| 80 | 3.02 | 2.98 | 2.87 | 2.66 | 2.85 | 2.83 | 2.93 | 3.02 | 3.22 | 3.06 | 3.28 | 3.41 | 3.43 | 3.16 | 2.80 | 2.40 | 2.16 | 1.36 | 1.91 |
| 85 | 1.52 | 1.50 | 1.44 | 1.34 | 1.17 | 0.79 | 0.79 | 0.93 | 1.36 | 1.54 | 1.65 | 1.72 | 1.73 | 1.59 | 1.40 | 1.20 | 0.78 | 0.16 | 0.19 |
| 90 | 0.02 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.05 | 0.02 |
| 95 | 1.53 | 1.45 | 1.28 | 1.08 | 0.80 | 0.34 | 0.31 | 0.42 | 0.86 | 1.11 | 1.32 | 1.47 | 1.57 | 1.52 | 1.43 | 1.24 | 1.04 | 0.71 | 0.60 |
| 100 | 3.04 | 2.88 | 2.54 | 2.14 | 2.20 | 1.97 | 2.03 | 2.13 | 2.29 | 2.22 | 2.62 | 2.93 | 3.11 | 3.02 | 2.85 | 2.47 | 2.63 | 2.46 | 2.31 |
| 105 | 4.54 | 4.71 | 5.06 | 5.16 | 4.51 | 4.37 | 4.46 | 4.50 | 4.58 | 5.25 | 5.19 | 4.79 | 4.66 | 4.94 | 5.61 | 5.69 | 5.11 | 5.02 | 4.76 |
| 110 | 10.5 | 10.3 | 9.69 | 8.75 | 8.45 | 8.18 | 8.27 | 8.33 | 8.55 | 8.89 | 9.81 | 10.3 | 10.5 | 10.6 | 10.5 | 9.55 | 9.43 | 9.07 | 8.78 |
| 115 | 16.4 | 15.8 | 14.5 | 14.7 | 13.7 | 13.8 | 13.9 | 13.9 | 13.9 | 14.8 | 14.6 | 15.8 | 16.4 | 16.4 | 15.6 | 15.9 | 15.4 | 15.1 | 14.7 |
| 120 | 22.3 | 22.7 | 23.8 | 23.2 | 21.8 | 21.5 | 21.9 | 21.7 | 22.0 | 23.3 | 23.9 | 22.9 | 22.3 | 23.6 | 25.1 | 24.9 | 24.1 | 23.3 | 23.2 |
| 125 | 37.0 | 36.3 | 35.6 | 33.2 | 32.9 | 32.5 | 33.0 | 32.5 | 33.2 | 33.1 | 35.7 | 36.8 | 36.9 | 37.4 | 37.3 | 35.4 | 36.1 | 35.2 | 35.4 |
| 130 | 51.6 | 50.3 | 48.2 | 48.3 | 47.2 | 47.1 | 47.4 | 47.0 | 47.3 | 48.1 | 48.3 | 51.0 | 51.5 | 51.5 | 50.5 | 51.4 | 51.2 | 50.5 | 50.6 |
| 135 | 66.3 | 66.5 | 67.2 | 66.1 | 64.3 | 65.0 | 64.9 | 64.4 | 64.2 | 65.7 | 66.9 | 67.1 | 66.1 | 67.6 | 69.6 | 69.5 | 68.5 | 69.1 | 69.1 |
| 140 | 91.7 | 90.7 | 88.9 | 86.3 | 85.0 | 83.9 | 85.5 | 83.7 | 84.1 | 86.0 | 88.4 | 90.6 | 91.3 | 91.7 | 91.2 | 90.3 | 90.0 | 88.9 | 90.3 |
| 145 | 117 | 115 | 112 | 111 | 110 | 108 | 110 | 107 | 108 | 110 | 111 | 115 | 117 | 116 | 114 | 116 | 116 | 114 | 117 |
| 150 | 143 | 142 | 141 | 142 | 140 | 135 | 139 | 134 | 139 | 139 | 141 | 142 | 142 | 143 | 145 | 145 | 147 | 142 | 147 |
| 155 | 179 | 178 | 177 | 176 | 173 | 168 | 174 | 167 | 170 | 173 | 176 | 178 | 179 | 180 | 180 | 180 | 179 | 176 | 183 |
| 160 | 216 | 215 | 214 | 212 | 206 | 205 | 212 | 204 | 204 | 211 | 213 | 216 | 216 | 217 | 216 | 217 | 211 | 211 | 218 |
| 165 | 253 | 252 | 246 | 242 | 240 | 242 | 251 | 242 | 239 | 241 | 246 | 252 | 253 | 254 | 249 | 245 | 244 | 248 | 257 |
| 170 | 273 | 273 | 272 | 270 | 271 | 275 | 282 | 274 | 270 | 270 | 272 | 273 | 273 | 274 | 274 | 274 | 275 | 279 | 287 |
| 175 | 293 | 294 | 295 | 296 | 298 | 301 | 305 | 301 | 298 | 296 | 295 | 294 | 294 | 294 | 296 | 298 | 300 | 304 | 308 |
| 180 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 |

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:0.0422A P:5.03W PF:0.9934 Freq:60.00Hz Lamp Flux:709.38x1 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 | 320 | 320 | 320 | 320 | 320 | | | | | | | | | | | | | | |
| 5 | 303 | 301 | 299 | 298 | 297 | | | | | | | | | | | | | | |
| 10 | 277 | 272 | 271 | 273 | 275 | | | | | | | | | | | | | | |
| 15 | 242 | 239 | 241 | 245 | 252 | | | | | | | | | | | | | | |
| 20 | 202 | 202 | 209 | 210 | 215 | | | | | | | | | | | | | | |
| 25 | 165 | 168 | 171 | 173 | 176 | | | | | | | | | | | | | | |
| 30 | 131 | 136 | 136 | 137 | 138 | | | | | | | | | | | | | | |
| 35 | 104 | 105 | 107 | 107 | 111 | | | | | | | | | | | | | | |
| 40 | 80.5 | 81.1 | 82.3 | 84.5 | 87.1 | | | | | | | | | | | | | | |
| 45 | 61.4 | 60.8 | 62.2 | 63.5 | 63.6 | | | | | | | | | | | | | | |
| 50 | 43.9 | 43.9 | 45.0 | 45.1 | 48.0 | | | | | | | | | | | | | | |
| 55 | 30.0 | 30.4 | 30.4 | 33.2 | 34.5 | | | | | | | | | | | | | | |
| 60 | 20.0 | 20.1 | 21.3 | 22.0 | 21.2 | | | | | | | | | | | | | | |
| 65 | 13.1 | 12.6 | 13.4 | 13.5 | 14.7 | | | | | | | | | | | | | | |
| 70 | 8.17 | 7.87 | 8.00 | 9.05 | 9.54 | | | | | | | | | | | | | | |
| 75 | 4.90 | 4.35 | 4.76 | 4.83 | 4.49 | | | | | | | | | | | | | | |
| 80 | 2.69 | 2.20 | 2.05 | 2.47 | 2.76 | | | | | | | | | | | | | | |
| 85 | 0.95 | 0.83 | 1.02 | 1.24 | 1.39 | | | | | | | | | | | | | | |
| 90 | 0.05 | 0.03 | 0.03 | 0.02 | 0.02 | | | | | | | | | | | | | | |
| 95 | 0.61 | 0.97 | 1.20 | 1.38 | 1.49 | | | | | | | | | | | | | | |
| 100 | 2.37 | 2.51 | 2.41 | 2.74 | 2.96 | | | | | | | | | | | | | | |
| 105 | 4.77 | 4.93 | 5.62 | 5.41 | 4.85 | | | | | | | | | | | | | | |
| 110 | 8.68 | 9.14 | 9.46 | 10.2 | 10.5 | | | | | | | | | | | | | | |
| 115 | 14.6 | 14.9 | 15.8 | 15.2 | 16.3 | | | | | | | | | | | | | | |
| 120 | 22.8 | 23.4 | 24.7 | 24.9 | 23.4 | | | | | | | | | | | | | | |
| 125 | 34.4 | 35.1 | 35.0 | 37.1 | 37.4 | | | | | | | | | | | | | | |
| 130 | 50.0 | 50.4 | 50.6 | 50.2 | 51.6 | | | | | | | | | | | | | | |
| 135 | 67.9 | 67.7 | 68.7 | 69.5 | 67.9 | | | | | | | | | | | | | | |
| 140 | 88.4 | 88.3 | 89.2 | 91.4 | 92.0 | | | | | | | | | | | | | | |
| 145 | 112 | 114 | 114 | 115 | 117 | | | | | | | | | | | | | | |
| 150 | 142 | 145 | 145 | 145 | 143 | | | | | | | | | | | | | | |
| 155 | 175 | 177 | 179 | 179 | 179 | | | | | | | | | | | | | | |
| 160 | 210 | 210 | 215 | 216 | 215 | | | | | | | | | | | | | | |
| 165 | 247 | 244 | 245 | 248 | 250 | | | | | | | | | | | | | | |
| 170 | 279 | 275 | 273 | 272 | 273 | | | | | | | | | | | | | | |
| 175 | 304 | 300 | 297 | 295 | 294 | | | | | | | | | | | | | | |
| 180 | 314 | 314 | 314 | 314 | 314 | | | | | | | | | | | | | | |

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: