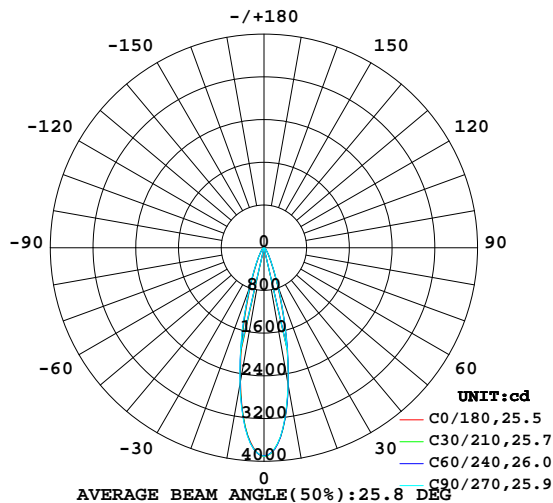


LUMINAIRE PHOTOMETRIC TEST REPORT

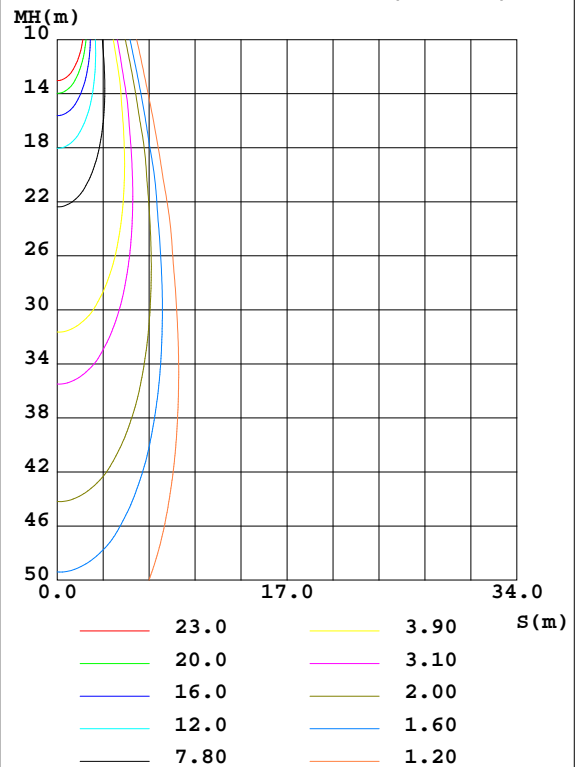
| | | |
|---|----------|------------------|
| Test:U:120.0V I:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 134.35 lm/W | | | |
|------------------|------------------------|-----------------------------------|--------|-------------------|----------|
| MODEL | INDFPS010UNHD8SC2R3BZP | I _{max} (cd) | 3907 | S/MH(C0/180) | 0.43 |
| NOMINAL POWER(W) | 8 | LOR(%) | 100.0 | S/MH(C90/270) | 0.44 |
| RATED VOLTAGE(V) | 120-347 | TOTAL FLUX(lm) | 1082.8 | η UP,DN(C0-180) | 0.1,49.7 |
| NOMINAL FLUX(lm) | 1082.82 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,50.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 120 | η down(%) | 99.9 | 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: 25.1DEG
Operators: Alan Wang
Test Date: 16 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 | 2602 | 2620 | 2604 | 2558 | 2537 | 2580 | 2605 | 2607 | 0- 10 | 307.0 | 307.0 | 28.3,28.3 |
| 20 | 737.3 | 770.9 | 777.5 | 731.2 | 710.0 | 756.0 | 781.0 | 741.0 | 10- 20 | 414.8 | 721.8 | 66.7,66.7 |
| 30 | 196.0 | 199.6 | 209.1 | 204.3 | 209.9 | 214.5 | 216.8 | 204.2 | 20- 30 | 179.1 | 900.9 | 83.2,83.2 |
| 40 | 78.54 | 78.58 | 82.09 | 82.39 | 82.93 | 85.80 | 85.37 | 80.90 | 30- 40 | 81.43 | 982.3 | 90.7,90.7 |
| 50 | 39.07 | 38.79 | 39.33 | 39.58 | 40.10 | 41.30 | 41.65 | 39.82 | 40- 50 | 44.16 | 1026 | 94.8,94.8 |
| 60 | 21.71 | 21.48 | 21.21 | 21.16 | 21.33 | 22.09 | 22.46 | 21.65 | 50- 60 | 26.49 | 1053 | 97.2,97.2 |
| 70 | 12.17 | 12.30 | 11.65 | 11.48 | 11.39 | 12.05 | 12.26 | 12.03 | 60- 70 | 16.15 | 1069 | 98.7,98.7 |
| 80 | 5.919 | 6.187 | 5.841 | 5.297 | 5.245 | 5.758 | 6.046 | 5.820 | 70- 80 | 9.126 | 1078 | 99.6,99.6 |
| 90 | 0.0143 | 0.0127 | 0.0101 | 0.0101 | 0.0146 | 0.0149 | 0.0152 | 0.0152 | 80- 90 | 2.962 | 1081 | 99.9,99.9 |
| 100 | 0.0120 | 0.0120 | 0.0123 | 0.0120 | 0.0209 | 0.0209 | 0.0200 | 0.0199 | 90-100 | 0.0151 | 1081 | 99.9,99.9 |
| 110 | 0.0165 | 0.0177 | 0.0174 | 0.0174 | 0.0269 | 0.0266 | 0.0263 | 0.0260 | 100-110 | 0.0202 | 1081 | 99.9,99.9 |
| 120 | 0.0304 | 0.0307 | 0.0307 | 0.0300 | 0.0418 | 0.0412 | 0.0418 | 0.0412 | 110-120 | 0.0269 | 1081 | 99.9,99.9 |
| 130 | 0.0740 | 0.0767 | 0.0767 | 0.0742 | 0.1145 | 0.1169 | 0.1180 | 0.1146 | 120-130 | 0.0520 | 1081 | 99.9,99.9 |
| 140 | 0.2470 | 0.2517 | 0.2542 | 0.2527 | 0.4420 | 0.4478 | 0.4455 | 0.4364 | 130-140 | 0.1487 | 1081 | 99.9,99.9 |
| 150 | 0.5878 | 0.5875 | 0.5884 | 0.5937 | 1.220 | 1.219 | 1.209 | 1.205 | 140-150 | 0.3827 | 1082 | 99.9,99.9 |
| 160 | 0.7809 | 0.7752 | 0.7739 | 0.7789 | 1.733 | 1.725 | 1.700 | 1.716 | 150-160 | 0.5127 | 1082 | 100,100 |
| 170 | 0.7388 | 0.7413 | 0.7446 | 0.7473 | 1.469 | 1.462 | 1.428 | 1.446 | 160-170 | 0.3455 | 1083 | 100,100 |
| 180 | 0.8825 | 0.8745 | 0.8607 | 0.8706 | 0.8827 | 0.8804 | 0.8589 | 0.8646 | 170-180 | 0.0946 | 1083 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1007.4 lm

%lum = 93.0%

%lamp = 93.0%

Conical surface Flux(120deg): 1053 lm

%lum = 97.2%

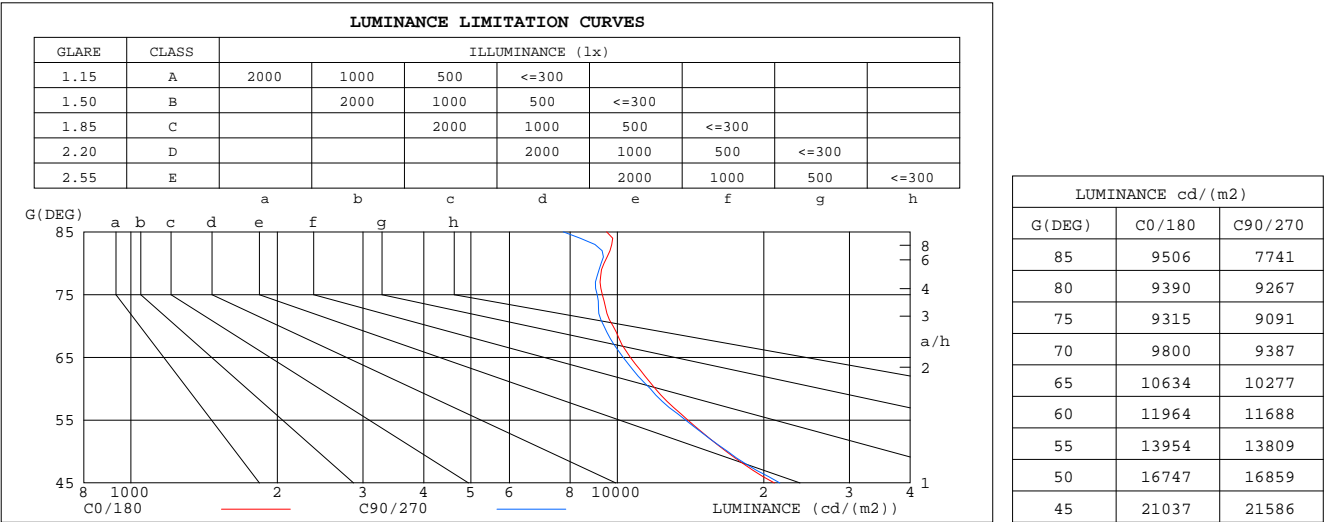
%lamp = 97.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



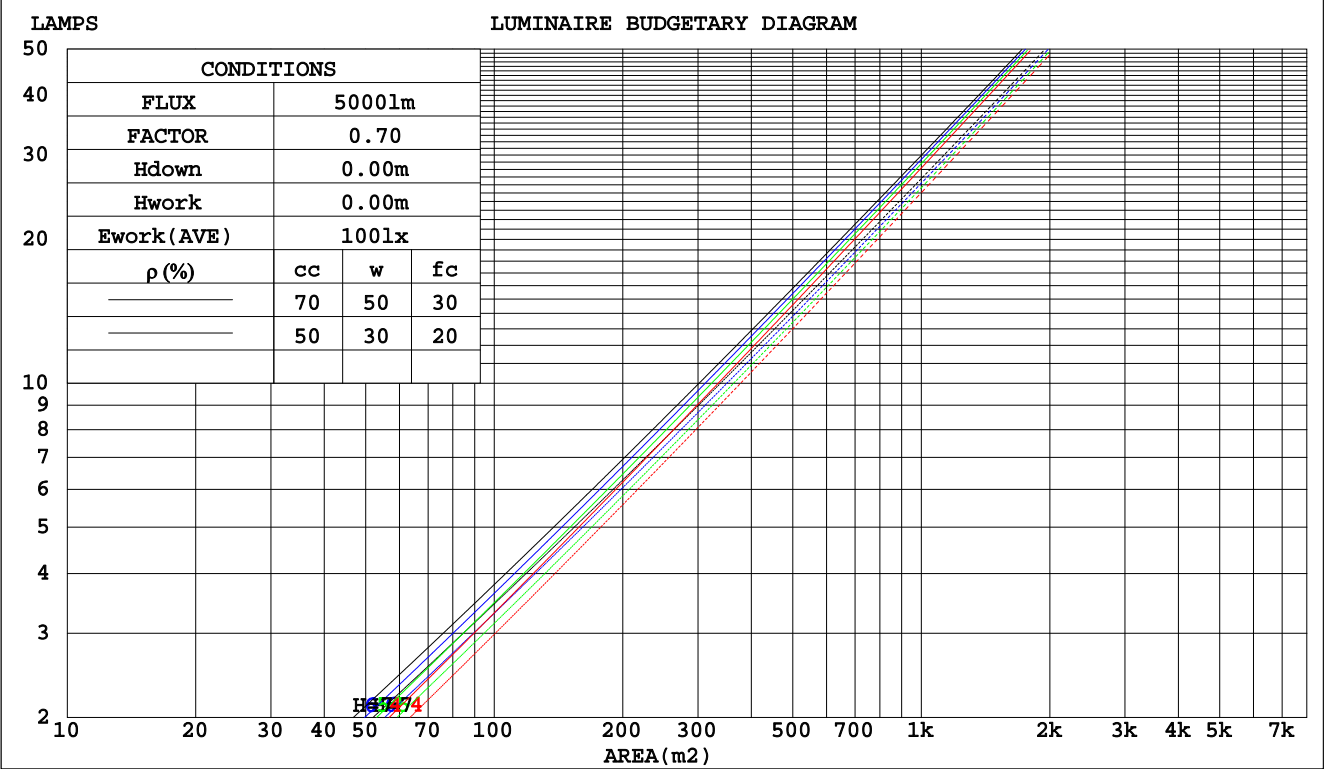
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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 | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .163 | .093 | .029 | .156 | .089 | .028 | .144 | .083 | .026 | .132 | .076 | .024 | .122 | .070 | .023 | | |
| 2.0 | .152 | .084 | .026 | .147 | .081 | .025 | .136 | .076 | .024 | .127 | .071 | .022 | .118 | .067 | .021 | | |
| 3.0 | .142 | .076 | .023 | .138 | .074 | .022 | .129 | .070 | .021 | .121 | .066 | .020 | .113 | .063 | .019 | | |
| 4.0 | .133 | .069 | .020 | .129 | .068 | .020 | .122 | .065 | .019 | .115 | .062 | .019 | .108 | .059 | .018 | | |
| 5.0 | .125 | .064 | .019 | .122 | .063 | .018 | .115 | .060 | .018 | .109 | .058 | .017 | .104 | .055 | .017 | | |
| 6.0 | .118 | .059 | .017 | .115 | .058 | .017 | .110 | .056 | .016 | .104 | .054 | .016 | .099 | .052 | .016 | | |
| 7.0 | .112 | .055 | .016 | .109 | .055 | .016 | .104 | .053 | .015 | .100 | .051 | .015 | .095 | .050 | .015 | | |
| 8.0 | .106 | .052 | .015 | .104 | .051 | .014 | .100 | .050 | .014 | .096 | .048 | .014 | .092 | .047 | .014 | | |
| 9.0 | .101 | .049 | .014 | .099 | .048 | .014 | .095 | .047 | .013 | .092 | .046 | .013 | .088 | .045 | .013 | | |
| 10.0 | .097 | .046 | .013 | .095 | .046 | .013 | .091 | .045 | .013 | .088 | .044 | .012 | .085 | .043 | .012 | | |

| 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 | .192 | .192 | .192 | .164 | .164 | .164 | .112 | .112 | .112 | .064 | .064 | .064 | .021 | .021 | .021 | |
| 1.0 | .171 | .159 | .147 | .147 | .136 | .127 | .100 | .094 | .088 | .058 | .054 | .051 | .018 | .017 | .016 | |
| 2.0 | .155 | .134 | .116 | .133 | .115 | .100 | .091 | .080 | .070 | .052 | .046 | .041 | .017 | .015 | .013 | |
| 3.0 | .141 | .115 | .093 | .121 | .099 | .081 | .083 | .069 | .057 | .048 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .129 | .100 | .077 | .111 | .086 | .067 | .076 | .060 | .047 | .044 | .035 | .028 | .014 | .011 | .009 | |
| 5.0 | .120 | .088 | .064 | .103 | .076 | .056 | .071 | .053 | .039 | .041 | .031 | .023 | .013 | .010 | .008 | |
| 6.0 | .111 | .078 | .054 | .096 | .067 | .047 | .066 | .047 | .033 | .038 | .028 | .020 | .012 | .009 | .007 | |
| 7.0 | .104 | .070 | .046 | .089 | .061 | .040 | .062 | .043 | .029 | .036 | .025 | .017 | .012 | .008 | .006 | |
| 8.0 | .097 | .063 | .040 | .084 | .055 | .035 | .058 | .039 | .025 | .034 | .023 | .015 | .011 | .007 | .005 | |
| 9.0 | .092 | .058 | .035 | .079 | .050 | .030 | .055 | .035 | .022 | .032 | .021 | .013 | .010 | .007 | .004 | |
| 10.0 | .087 | .053 | .031 | .075 | .046 | .027 | .052 | .033 | .019 | .030 | .019 | .011 | .010 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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 | 16.7 | 17.5 | 16.9 | 17.7 | 17.8 | 16.7 | 17.5 | 17.0 | 17.7 | 17.8 | |
| | 3H | 17.5 | 18.2 | 17.7 | 18.4 | 18.6 | 17.4 | 18.2 | 17.7 | 18.4 | 18.5 |
| | 4H | 17.8 | 18.5 | 18.1 | 18.7 | 18.9 | 17.8 | 18.5 | 18.0 | 18.7 | 18.9 |
| | 6H | 18.1 | 18.8 | 18.4 | 19.0 | 19.3 | 18.1 | 18.8 | 18.4 | 19.0 | 19.2 |
| | 8H | 18.3 | 18.9 | 18.6 | 19.2 | 19.4 | 18.2 | 18.9 | 18.5 | 19.1 | 19.4 |
| | 12H | 18.4 | 19.0 | 18.7 | 19.3 | 19.5 | 18.3 | 18.9 | 18.6 | 19.2 | 19.5 |
| 4H | 2H | 17.0 | 17.7 | 17.3 | 17.9 | 18.1 | 17.0 | 17.7 | 17.3 | 17.9 | 18.1 |
| | 3H | 17.9 | 18.5 | 18.2 | 18.8 | 19.1 | 17.9 | 18.5 | 18.2 | 18.8 | 19.0 |
| | 4H | 18.4 | 19.0 | 18.8 | 19.3 | 19.6 | 18.4 | 18.9 | 18.7 | 19.2 | 19.5 |
| | 6H | 18.9 | 19.4 | 19.2 | 19.7 | 20.0 | 18.8 | 19.3 | 19.2 | 19.7 | 20.0 |
| | 8H | 19.1 | 19.5 | 19.5 | 19.9 | 20.3 | 19.0 | 19.5 | 19.4 | 19.9 | 20.2 |
| | 12H | 19.2 | 19.7 | 19.6 | 20.0 | 20.4 | 19.2 | 19.6 | 19.6 | 20.0 | 20.4 |
| 8H | 4H | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 | 18.5 | 19.0 | 18.9 | 19.4 | 19.7 |
| | 6H | 19.2 | 19.6 | 19.6 | 20.0 | 20.4 | 19.2 | 19.6 | 19.6 | 20.0 | 20.4 |
| | 8H | 19.5 | 19.8 | 19.9 | 20.2 | 20.7 | 19.5 | 19.8 | 19.9 | 20.2 | 20.7 |
| | 12H | 19.7 | 20.0 | 20.2 | 20.5 | 20.9 | 19.7 | 20.0 | 20.2 | 20.4 | 20.9 |
| 12H | 4H | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 | 18.5 | 19.0 | 19.0 | 19.3 | 19.7 |
| | 6H | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 | 19.2 | 19.6 | 19.7 | 20.0 | 20.4 |
| | 8H | 19.6 | 19.9 | 20.0 | 20.3 | 20.8 | 19.6 | 19.9 | 20.1 | 20.3 | 20.8 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.5 / - 0.6 | | | | | + 0.5 / - 0.7 | | | | | |
| 1.5H | + 0.7 / - 0.4 | | | | | + 0.9 / - 0.4 | | | | | |
| 2.0H | + 0.8 / - 0.5 | | | | | + 0.9 / - 0.6 | | | | | |

CIE Pub.117, 1083 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.3$)
Area: 0.00362984 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

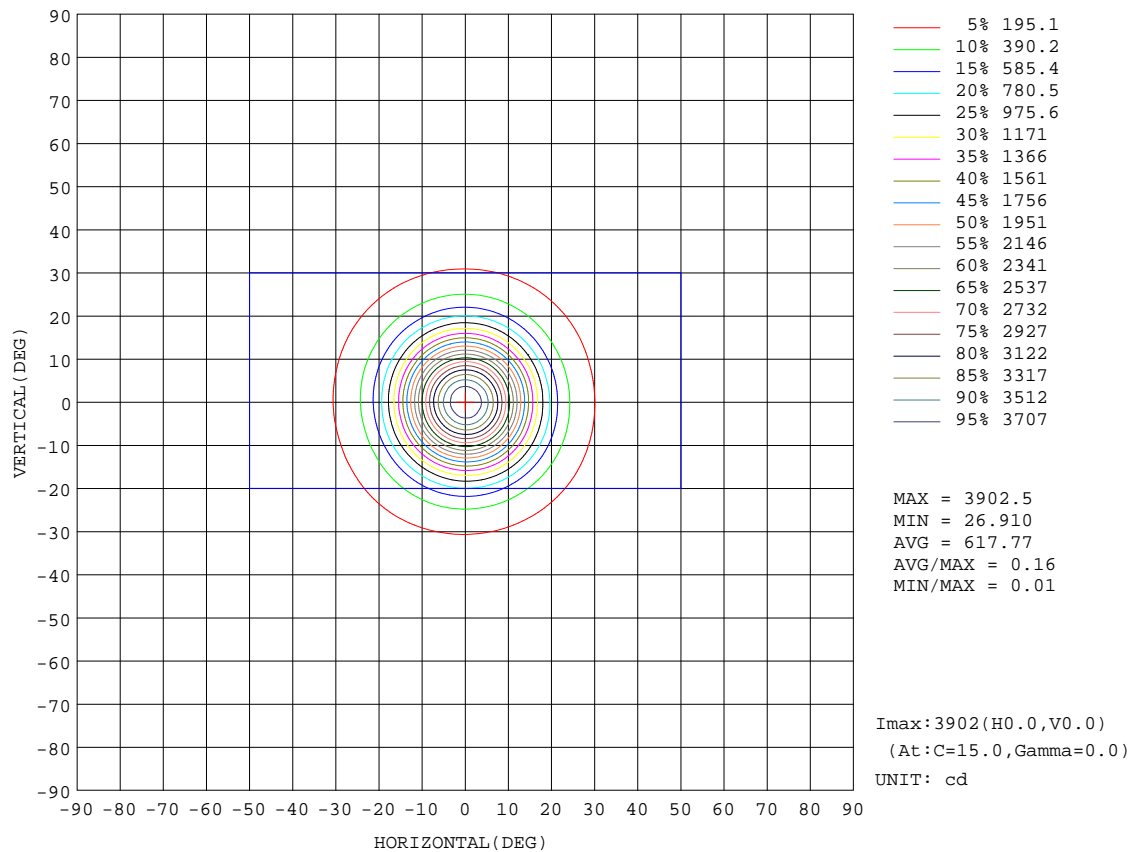
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 86 | 79 | 75 | 85 | 79 | 75 | 84 | 79 | 75 | 71 |
| 0.80 | 93 | 87 | 83 | 93 | 87 | 83 | 91 | 86 | 83 | 79 |
| 1.00 | 98 | 92 | 88 | 97 | 92 | 88 | 95 | 91 | 87 | 83 |
| 1.25 | 102 | 96 | 93 | 101 | 96 | 92 | 99 | 95 | 92 | 87 |
| 1.50 | 105 | 100 | 96 | 104 | 99 | 96 | 101 | 97 | 95 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 98 | 92 |
| 2.50 | 109 | 105 | 102 | 108 | 104 | 101 | 105 | 102 | 99 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 95 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 112 | 110 | 112 | 110 | 109 | 108 | 107 | 106 | 98 |
| 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: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

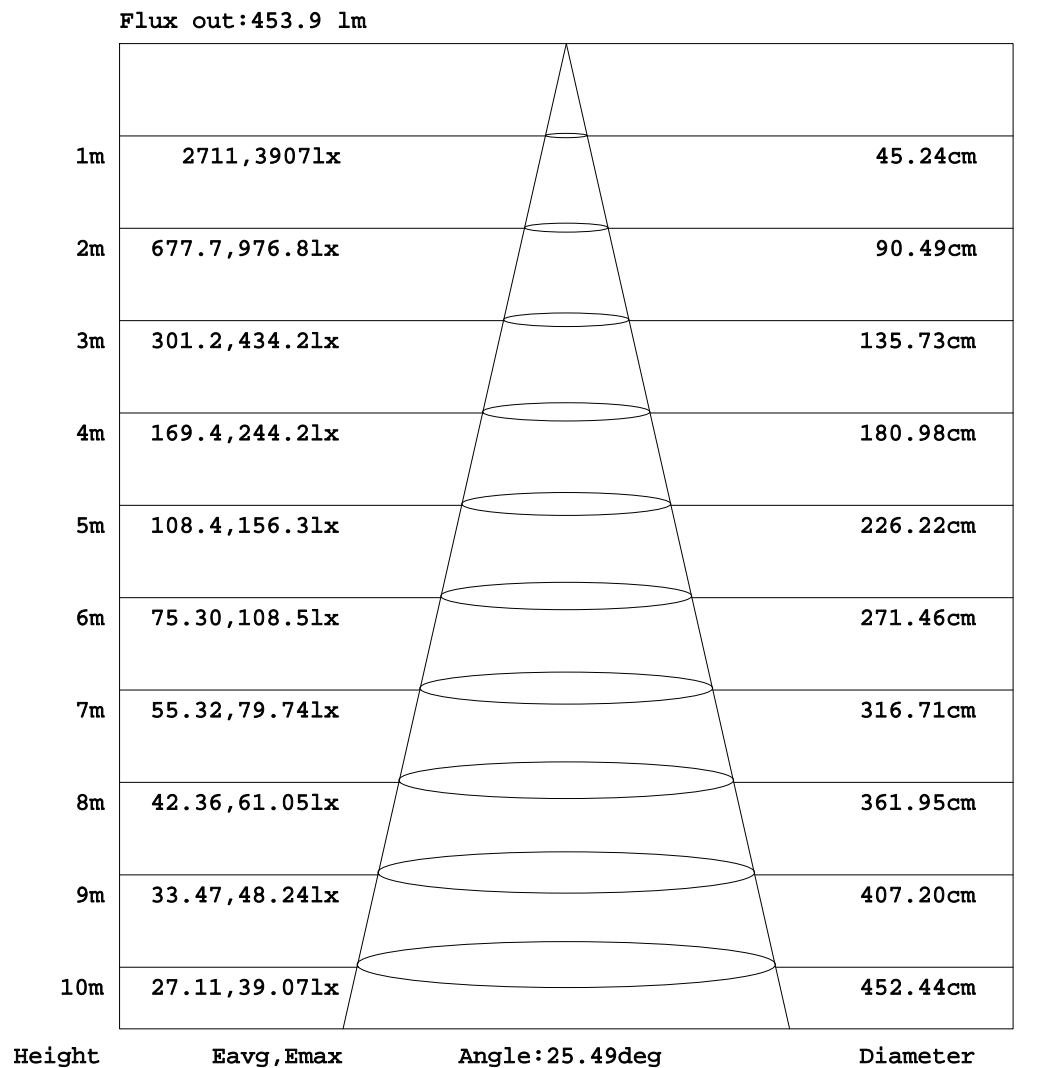


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 October 2024

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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |



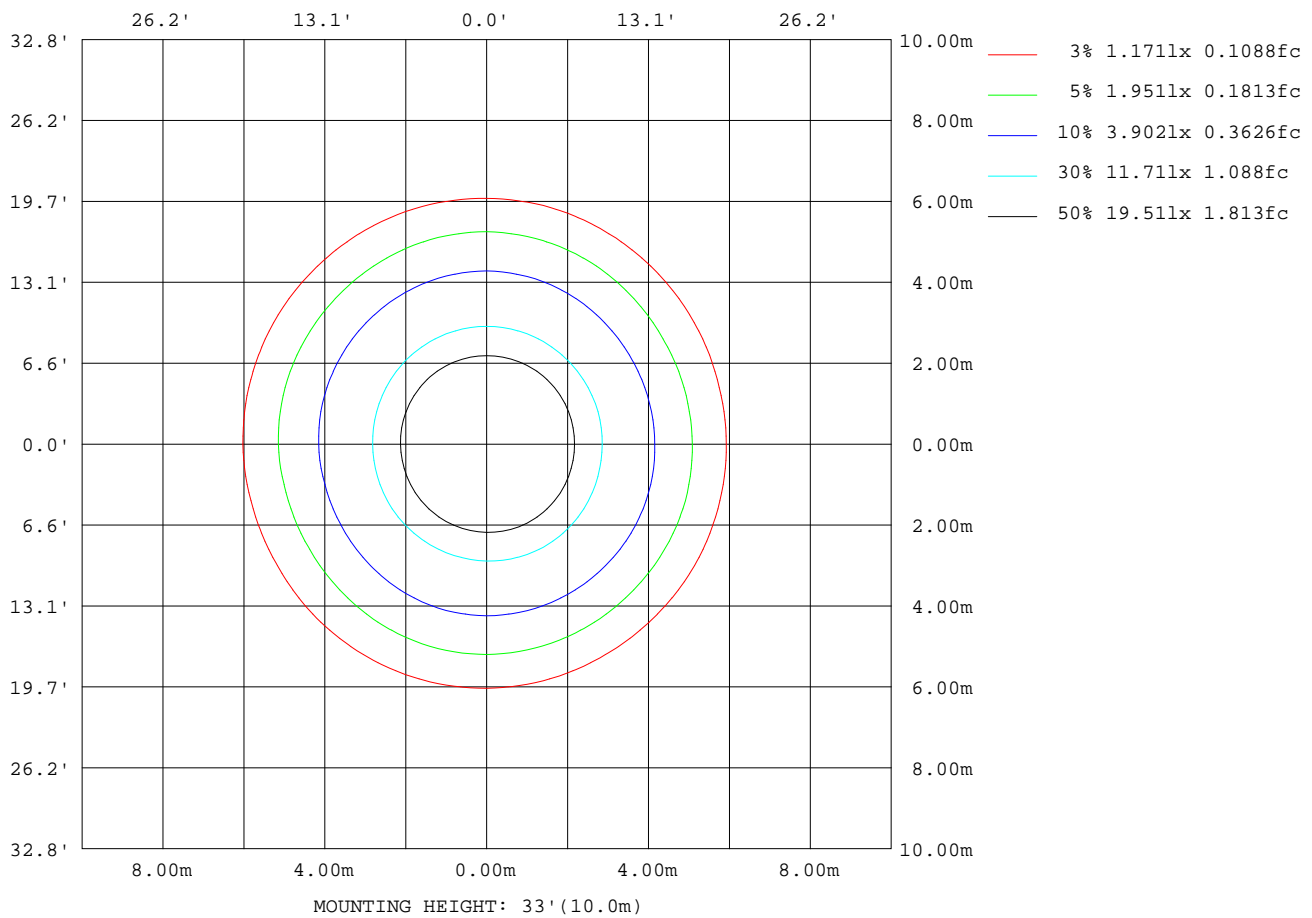
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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: 25.1DEG
 Operators: Alan Wang
 Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 lm | | |
| NAME: Optic/CCT/Wattage/Up & Down Light | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: LEDVANCE LLC | SUR.: | Shielding Angle: |

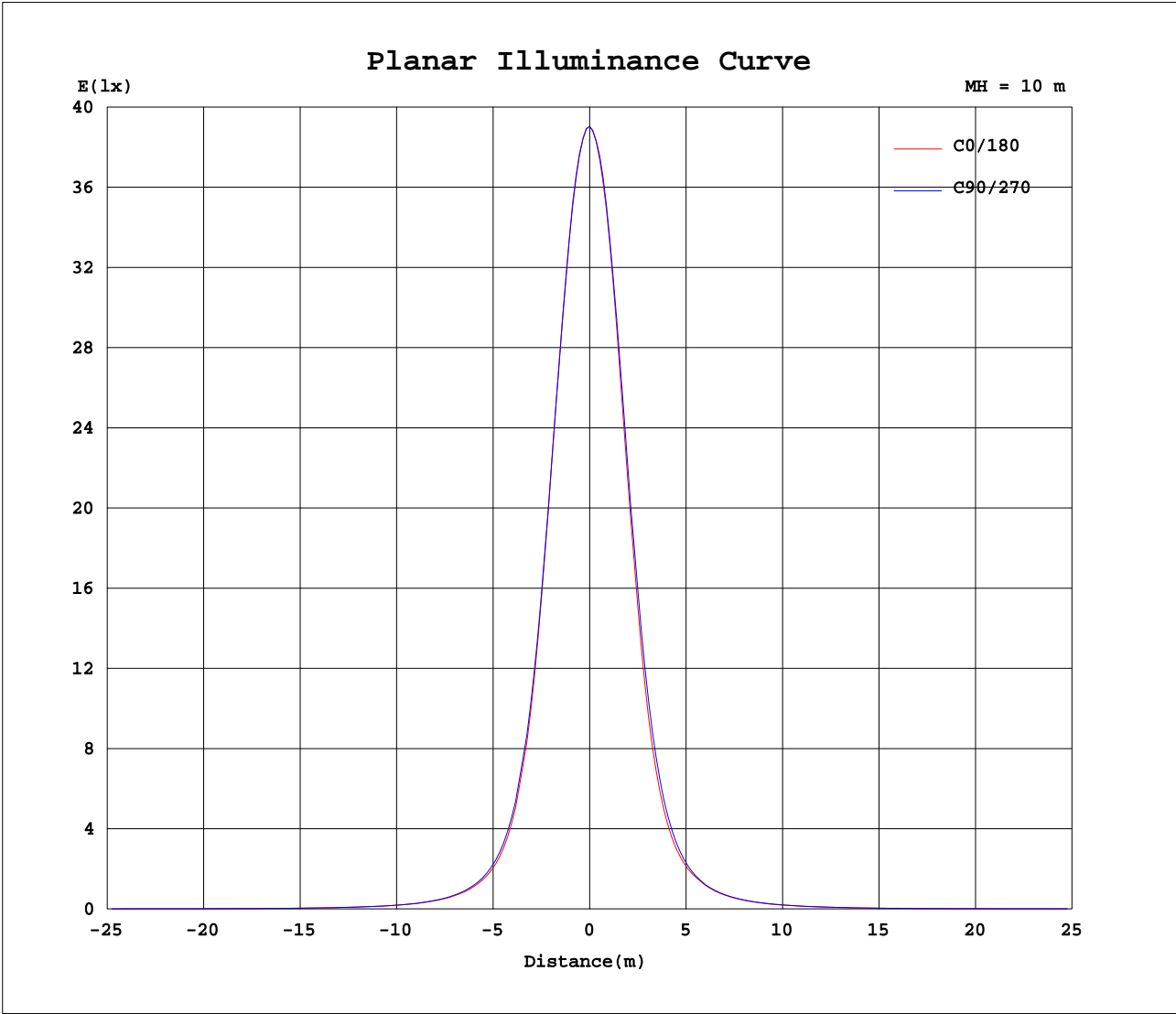
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 10390 |
| L_0~180(75)av | 8921 |
| L_0~180(85)av | 8934 |
| L_90~270(65)av | 10547 |
| L_90~270(75)av | 9266 |
| L_90~270(85)av | 8198 |
| L_45(65)av | 10499 |
| L_45(75)av | 9197 |
| L_45(85)av | 8873 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: Alan Wang
Test Date: 16 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: 25.1DEG
Operators: Alan Wang
Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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 | 3902 | 3907 | 3907 | 3902 | 3892 | 3895 | 3905 | 3899 | 3905 | 3905 | 3905 | 3896 | 3902 | 3907 | 3907 | 3902 | 3892 | 3895 | 3905 |
| 5 | 3564 | 3557 | 3558 | 3560 | 3562 | 3557 | 3548 | 3538 | 3525 | 3516 | 3520 | 3522 | 3525 | 3519 | 3523 | 3535 | 3540 | 3544 | 3545 |
| 10 | 2602 | 2607 | 2615 | 2620 | 2613 | 2608 | 2604 | 2588 | 2573 | 2558 | 2545 | 2533 | 2537 | 2552 | 2566 | 2580 | 2583 | 2590 | 2605 |
| 15 | 1495 | 1499 | 1517 | 1533 | 1549 | 1542 | 1522 | 1506 | 1484 | 1472 | 1456 | 1443 | 1450 | 1464 | 1485 | 1516 | 1529 | 1543 | 1546 |
| 20 | 737 | 748 | 761 | 771 | 777 | 781 | 777 | 767 | 750 | 731 | 719 | 714 | 710 | 722 | 737 | 756 | 765 | 776 | 781 |
| 25 | 351 | 357 | 360 | 362 | 368 | 375 | 379 | 377 | 366 | 353 | 346 | 346 | 358 | 365 | 368 | 376 | 383 | 390 | 392 |
| 30 | 196 | 198 | 199 | 200 | 202 | 206 | 209 | 209 | 207 | 204 | 201 | 202 | 210 | 212 | 214 | 215 | 215 | 217 | 217 |
| 35 | 121 | 121 | 121 | 122 | 123 | 125 | 126 | 127 | 127 | 127 | 127 | 126 | 127 | 128 | 130 | 131 | 132 | 132 | 131 |
| 40 | 78.5 | 78.4 | 78.7 | 78.6 | 79.2 | 81.4 | 82.1 | 82.3 | 82.4 | 82.4 | 82.6 | 82.6 | 82.9 | 83.6 | 84.5 | 85.8 | 85.8 | 85.6 | 85.4 |
| 45 | 54.0 | 53.9 | 54.1 | 54.0 | 54.2 | 54.8 | 55.4 | 55.5 | 55.5 | 55.5 | 55.4 | 56.0 | 56.2 | 56.7 | 57.8 | 58.4 | 58.5 | 58.8 | 58.5 |
| 50 | 39.1 | 39.2 | 39.0 | 38.8 | 38.6 | 38.9 | 39.3 | 39.6 | 39.5 | 39.6 | 39.4 | 39.4 | 40.1 | 40.4 | 41.0 | 41.3 | 41.5 | 41.6 | 41.7 |
| 55 | 29.1 | 29.1 | 28.9 | 28.7 | 28.4 | 28.4 | 28.8 | 28.8 | 28.7 | 28.7 | 28.8 | 28.7 | 29.2 | 29.3 | 29.6 | 29.9 | 30.1 | 30.2 | 30.2 |
| 60 | 21.7 | 21.7 | 21.7 | 21.5 | 21.3 | 21.2 | 21.2 | 21.1 | 21.3 | 21.2 | 21.0 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 | 22.2 | 22.3 | 22.5 |
| 65 | 16.3 | 16.2 | 16.4 | 16.3 | 16.2 | 15.9 | 15.8 | 15.7 | 15.7 | 15.6 | 15.4 | 15.5 | 15.6 | 15.8 | 16.1 | 16.3 | 16.4 | 16.6 | 16.6 |
| 70 | 12.2 | 12.1 | 12.3 | 12.3 | 12.1 | 11.8 | 11.7 | 11.6 | 11.6 | 11.5 | 11.3 | 11.3 | 11.4 | 11.6 | 11.8 | 12.0 | 12.2 | 12.3 | 12.3 |
| 75 | 8.75 | 8.83 | 9.00 | 9.08 | 9.06 | 8.76 | 8.54 | 8.49 | 8.33 | 8.12 | 7.95 | 7.86 | 8.01 | 8.27 | 8.39 | 8.63 | 8.90 | 8.89 | 8.87 |
| 80 | 5.92 | 6.04 | 6.02 | 6.19 | 6.23 | 6.17 | 5.84 | 5.58 | 5.57 | 5.30 | 5.04 | 5.01 | 5.25 | 5.40 | 5.51 | 5.76 | 6.01 | 6.08 | 6.05 |
| 85 | 3.01 | 2.97 | 2.74 | 2.90 | 3.17 | 2.95 | 2.45 | 2.35 | 2.63 | 2.57 | 2.29 | 2.23 | 2.65 | 2.71 | 2.50 | 2.73 | 3.03 | 2.95 | 2.74 |
| 90 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| 95 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 100 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 105 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 110 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 115 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 120 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 125 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| 130 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.11 | 0.11 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 135 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.22 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 | 0.23 |
| 140 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.44 | 0.44 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 145 | 0.42 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.82 | 0.82 | 0.82 | 0.83 | 0.83 | 0.82 | 0.82 |
| 150 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 1.22 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | 1.21 |
| 155 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.77 | 0.77 | 1.54 | 1.54 | 1.53 | 1.54 | 1.53 | 1.53 | 1.52 |
| 160 | 0.78 | 0.78 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 1.73 | 1.73 | 1.73 | 1.72 | 1.72 | 1.71 | 1.70 |
| 165 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 1.70 | 1.71 | 1.70 | 1.70 | 1.69 | 1.68 | 1.68 |
| 170 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 1.47 | 1.47 | 1.47 | 1.46 | 1.45 | 1.44 | 1.43 |
| 175 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.72 | 0.72 | 1.15 | 1.16 | 1.15 | 1.15 | 1.14 | 1.13 | 1.12 |
| 180 | 0.88 | 0.88 | 0.88 | 0.87 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.86 | 0.83 | 0.88 | 0.89 | 0.88 | 0.88 | 0.87 | 0.86 | 0.86 |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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:0.0674A P:8.06W PF:0.9962 Freq:60.00Hz Lamp Flux:1082.82x1 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 | 3899 | 3905 | 3905 | 3905 | 3896 | | | | | | | | | | | | | |
| 5 | 3544 | 3544 | 3542 | 3554 | 3555 | | | | | | | | | | | | | |
| 10 | 2607 | 2611 | 2607 | 2605 | 2600 | | | | | | | | | | | | | |
| 15 | 1547 | 1534 | 1523 | 1515 | 1508 | | | | | | | | | | | | | |
| 20 | 774 | 759 | 741 | 730 | 725 | | | | | | | | | | | | | |
| 25 | 386 | 373 | 358 | 348 | 348 | | | | | | | | | | | | | |
| 30 | 215 | 210 | 204 | 200 | 195 | | | | | | | | | | | | | |
| 35 | 129 | 126 | 125 | 123 | 121 | | | | | | | | | | | | | |
| 40 | 84.1 | 82.9 | 80.9 | 79.8 | 79.4 | | | | | | | | | | | | | |
| 45 | 57.8 | 56.8 | 55.6 | 54.7 | 54.3 | | | | | | | | | | | | | |
| 50 | 41.6 | 40.7 | 39.8 | 39.2 | 39.1 | | | | | | | | | | | | | |
| 55 | 30.2 | 29.8 | 29.1 | 28.8 | 28.9 | | | | | | | | | | | | | |
| 60 | 22.3 | 22.0 | 21.6 | 21.4 | 21.6 | | | | | | | | | | | | | |
| 65 | 16.6 | 16.3 | 16.1 | 16.1 | 16.2 | | | | | | | | | | | | | |
| 70 | 12.3 | 12.2 | 12.0 | 11.9 | 12.0 | | | | | | | | | | | | | |
| 75 | 8.91 | 8.88 | 8.73 | 8.44 | 8.49 | | | | | | | | | | | | | |
| 80 | 6.11 | 6.14 | 5.82 | 5.64 | 5.66 | | | | | | | | | | | | | |
| 85 | 2.74 | 2.99 | 3.03 | 2.82 | 2.81 | | | | | | | | | | | | | |
| 90 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | | | | | | | | | | | | | |
| 95 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | | | | | | | | | | | |
| 100 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | | | | | | | | | | | |
| 105 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | | | | | | | | | | | | |
| 110 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | | | | | | | | | | | | | |
| 115 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | | | | | | | | | | | | | |
| 120 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | | | | | | | | | | | | |
| 125 | 0.07 | 0.07 | 0.06 | 0.07 | 0.07 | | | | | | | | | | | | | |
| 130 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 | | | | | | | | | | | | | |
| 135 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | | | | | | | | | | | | | |
| 140 | 0.44 | 0.44 | 0.44 | 0.43 | 0.43 | | | | | | | | | | | | | |
| 145 | 0.82 | 0.81 | 0.81 | 0.81 | 0.81 | | | | | | | | | | | | | |
| 150 | 1.21 | 1.21 | 1.21 | 1.20 | 1.20 | | | | | | | | | | | | | |
| 155 | 1.52 | 1.52 | 1.52 | 1.53 | 1.53 | | | | | | | | | | | | | |
| 160 | 1.71 | 1.71 | 1.72 | 1.72 | 1.73 | | | | | | | | | | | | | |
| 165 | 1.68 | 1.68 | 1.69 | 1.70 | 1.71 | | | | | | | | | | | | | |
| 170 | 1.43 | 1.44 | 1.45 | 1.46 | 1.47 | | | | | | | | | | | | | |
| 175 | 1.12 | 1.13 | 1.14 | 1.15 | 1.16 | | | | | | | | | | | | | |
| 180 | 0.86 | 0.86 | 0.86 | 0.87 | 0.88 | | | | | | | | | | | | | |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.1DEG

Operators: Alan Wang

Test Date: 16 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: