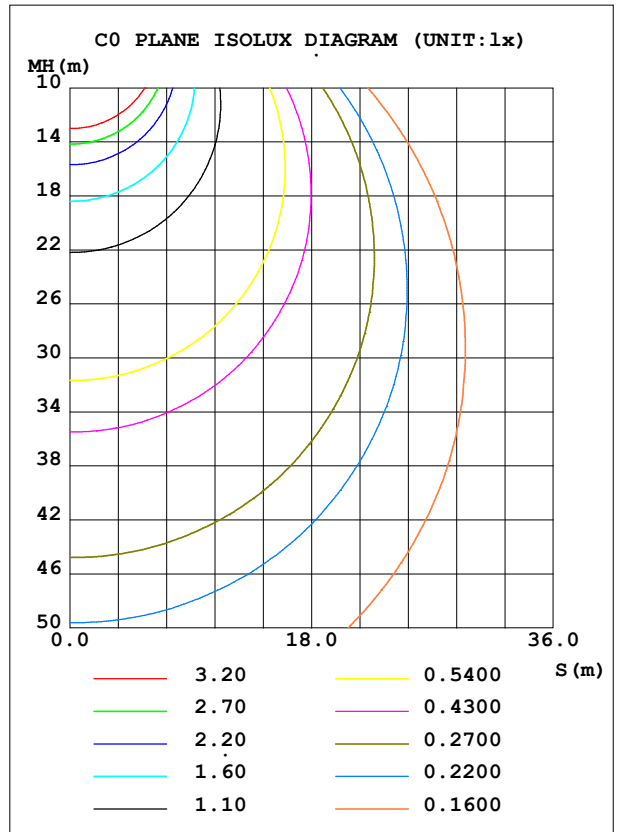
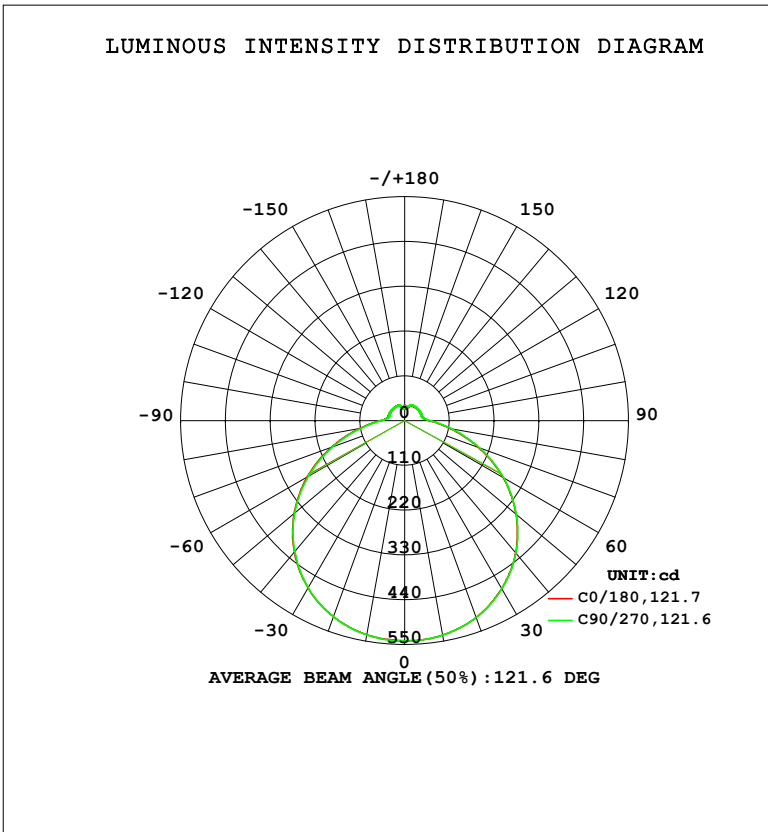


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 83.75 lm/W |
|-------------------|---------|-----------------------|---------|---------------------|-----------|-----------------|
| MODEL | 5000K | I _{max} (cd) | 541.3 | S/MH (C0/180) | 1.30 | |
| NOMINAL POWER (W) | / | LOR (%) | 100.0 | S/MH (C90/270) | 1.30 | |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 2052.2 | η UP, DN (C0-180) | 6.7, 43.7 | |
| NOMINAL FLUX (lm) | 2052.24 | CIE CLASS | SEMI-D. | η UP, DN (C180-360) | 6.5, 43.1 | |
| LAMPS INSIDE | 1 | η up (%) | 13.2 | CIBSE SHR NOM | 1.50 | |
| TEST VOLTAGE (V) | / | η down (%) | 86.8 | CIBSE SHR MAX | 1.50 | |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: linye
 Test Date: 2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 58.9%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|--------|---------|------------|
| 5 | 539.7 | 540.4 | 540.1 | 539.5 | 538.8 | 539.7 | 539.8 | 539.4 | 0- 5 | 12.92 | 12.92 | 0.63,0.63 |
| 10 | 534.9 | 535.7 | 535.3 | 534.8 | 534.1 | 534.8 | 534.3 | 535.0 | 5- 10 | 38.45 | 51.36 | 2.5,2.5 |
| 15 | 526.3 | 527.4 | 526.8 | 526.6 | 525.3 | 525.6 | 525.5 | 526.6 | 10- 15 | 62.95 | 114.3 | 5.57,5.57 |
| 20 | 514.2 | 515.0 | 514.5 | 513.7 | 512.4 | 512.2 | 512.2 | 513.5 | 15- 20 | 85.70 | 200.0 | 9.75,9.75 |
| 25 | 497.2 | 498.4 | 498.1 | 496.9 | 495.9 | 495.0 | 495.6 | 496.8 | 20- 25 | 106.0 | 306.0 | 14.9,14.9 |
| 30 | 476.5 | 477.8 | 477.0 | 475.7 | 474.3 | 473.8 | 474.1 | 476.1 | 25- 30 | 123.1 | 429.1 | 20.9,20.9 |
| 35 | 452.5 | 453.6 | 453.2 | 451.4 | 449.9 | 449.0 | 448.8 | 450.9 | 30- 35 | 136.5 | 565.5 | 27.6,27.6 |
| 40 | 424.3 | 425.8 | 425.1 | 422.8 | 421.3 | 420.1 | 419.9 | 422.4 | 35- 40 | 145.8 | 711.4 | 34.7,34.7 |
| 45 | 392.2 | 394.1 | 393.3 | 391.2 | 389.0 | 388.7 | 388.4 | 389.9 | 40- 45 | 150.6 | 862.0 | 42,42 |
| 50 | 357.0 | 359.6 | 358.2 | 356.1 | 354.2 | 353.5 | 353.0 | 354.9 | 45- 50 | 150.8 | 1013 | 49.4,49.4 |
| 55 | 319.3 | 321.9 | 320.9 | 318.1 | 316.4 | 315.2 | 314.5 | 316.6 | 50- 55 | 146.4 | 1159 | 56.5,56.5 |
| 60 | 278.8 | 281.7 | 280.6 | 277.6 | 276.2 | 274.5 | 273.2 | 275.8 | 55- 60 | 137.5 | 1297 | 63.2,63.2 |
| 65 | 236.6 | 239.3 | 238.5 | 235.8 | 234.0 | 232.0 | 230.7 | 233.0 | 60- 65 | 124.5 | 1421 | 69.3,69.3 |
| 70 | 193.4 | 196.6 | 195.9 | 193.1 | 191.2 | 189.1 | 187.4 | 189.6 | 65- 70 | 108.1 | 1529 | 74.5,74.5 |
| 75 | 151.9 | 155.5 | 155.1 | 152.2 | 149.9 | 148.0 | 146.0 | 147.9 | 70- 75 | 89.48 | 1619 | 78.9,78.9 |
| 80 | 114.4 | 117.6 | 117.6 | 114.9 | 112.4 | 110.6 | 108.9 | 110.3 | 75- 80 | 70.48 | 1689 | 82.3,82.3 |
| 85 | 83.33 | 86.08 | 86.13 | 83.71 | 81.11 | 79.95 | 78.66 | 79.33 | 80- 85 | 52.80 | 1742 | 84.9,84.9 |
| 90 | 61.22 | 63.06 | 63.03 | 60.92 | 59.57 | 59.13 | 58.11 | 58.61 | 85- 90 | 38.67 | 1781 | 86.8,86.8 |
| 95 | 50.37 | 51.33 | 51.16 | 49.51 | 48.53 | 48.53 | 47.47 | 47.78 | 90- 95 | 29.72 | 1810 | 88.2,88.2 |
| 100 | 45.12 | 45.61 | 45.33 | 44.17 | 43.43 | 43.62 | 42.49 | 42.79 | 95-100 | 25.20 | 1836 | 89.4,89.4 |
| 105 | 43.31 | 43.53 | 43.26 | 42.32 | 42.08 | 42.06 | 41.05 | 41.33 | 100-105 | 22.99 | 1859 | 90.6,90.6 |
| 110 | 42.93 | 43.34 | 42.94 | 42.22 | 42.08 | 42.20 | 41.19 | 41.42 | 105-110 | 22.09 | 1881 | 91.6,91.6 |
| 115 | 42.88 | 43.34 | 42.94 | 42.22 | 42.08 | 42.15 | 41.42 | 41.42 | 110-115 | 21.40 | 1902 | 92.7,92.7 |
| 120 | 42.88 | 43.34 | 42.94 | 42.27 | 42.08 | 42.11 | 41.47 | 41.37 | 115-120 | 20.55 | 1923 | 93.7,93.7 |
| 125 | 42.79 | 43.34 | 42.94 | 42.27 | 42.08 | 41.92 | 41.52 | 41.33 | 120-125 | 19.54 | 1942 | 94.6,94.6 |
| 130 | 42.69 | 43.34 | 42.98 | 42.27 | 41.98 | 41.63 | 40.87 | 41.33 | 125-130 | 18.34 | 1961 | 95.5,95.5 |
| 135 | 42.27 | 43.15 | 42.98 | 42.27 | 41.56 | 41.40 | 40.72 | 40.85 | 130-135 | 16.97 | 1978 | 96.4,96.4 |
| 140 | 41.94 | 42.77 | 42.98 | 42.27 | 41.46 | 41.30 | 40.72 | 40.81 | 135-140 | 15.49 | 1993 | 97.1,97.1 |
| 145 | 41.65 | 42.49 | 42.84 | 42.27 | 41.42 | 41.30 | 40.80 | 40.90 | 140-145 | 13.93 | 2007 | 97.8,97.8 |
| 150 | 41.61 | 42.39 | 42.84 | 42.27 | 41.42 | 41.35 | 40.90 | 41.33 | 145-150 | 12.29 | 2019 | 98.4,98.4 |
| 155 | 41.61 | 42.35 | 42.70 | 42.27 | 41.46 | 41.35 | 40.90 | 41.37 | 150-155 | 10.57 | 2030 | 98.9,98.9 |
| 160 | 41.51 | 41.91 | 41.62 | 42.08 | 40.47 | 40.78 | 40.81 | 40.52 | 155-160 | 8.723 | 2039 | 99.3,99.3 |
| 165 | 35.63 | 36.54 | 37.07 | 37.23 | 35.65 | 35.31 | 36.18 | 35.80 | 160-165 | 6.411 | 2045 | 99.6,99.6 |
| 170 | 31.94 | 32.85 | 33.60 | 33.61 | 32.30 | 32.52 | 33.41 | 32.50 | 165-170 | 4.129 | 2049 | 99.8,99.8 |
| 175 | 35.20 | 37.05 | 36.84 | 35.89 | 36.14 | 34.41 | 31.24 | 30.84 | 170-175 | 2.269 | 2051 | 100,100 |
| 180 | 37.17 | 37.15 | 36.80 | 36.84 | 37.64 | 37.29 | 37.08 | 36.79 | 175-180 | 0.8717 | 2052 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | | |

Conical surface Flux(90deg): 861.99 lm

%lum = 42.0%
%lamp = 42.0%

Conical surface Flux(120deg): 1296.8 lm

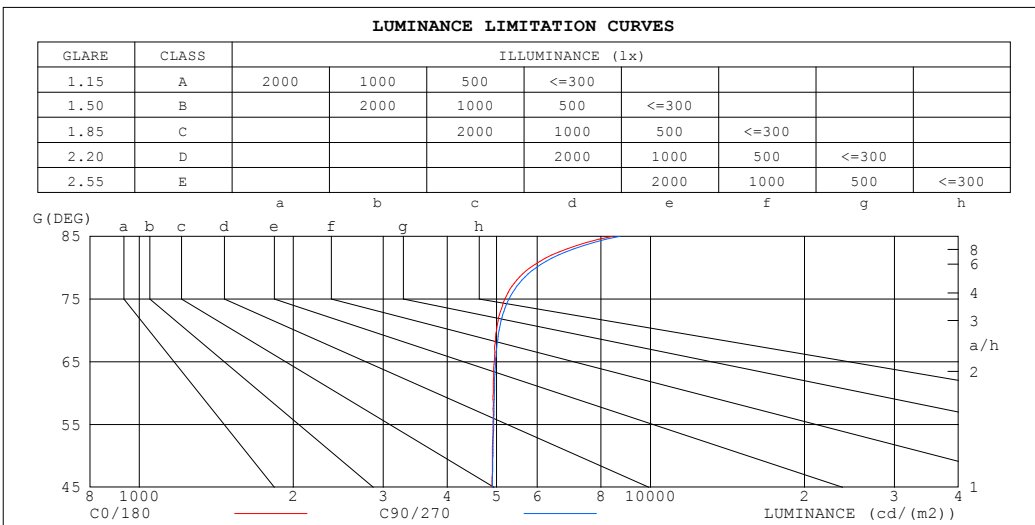
%lum = 63.2%
%lamp = 63.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:linye
Test Date:2026-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:58.9%
Test Distance:26.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 8444 | 8716 |
| 80 | 5817 | 5973 |
| 75 | 5184 | 5286 |
| 70 | 4995 | 5052 |
| 65 | 4945 | 4977 |
| 60 | 4925 | 4949 |
| 55 | 4916 | 4934 |
| 50 | 4905 | 4916 |
| 45 | 4898 | 4906 |

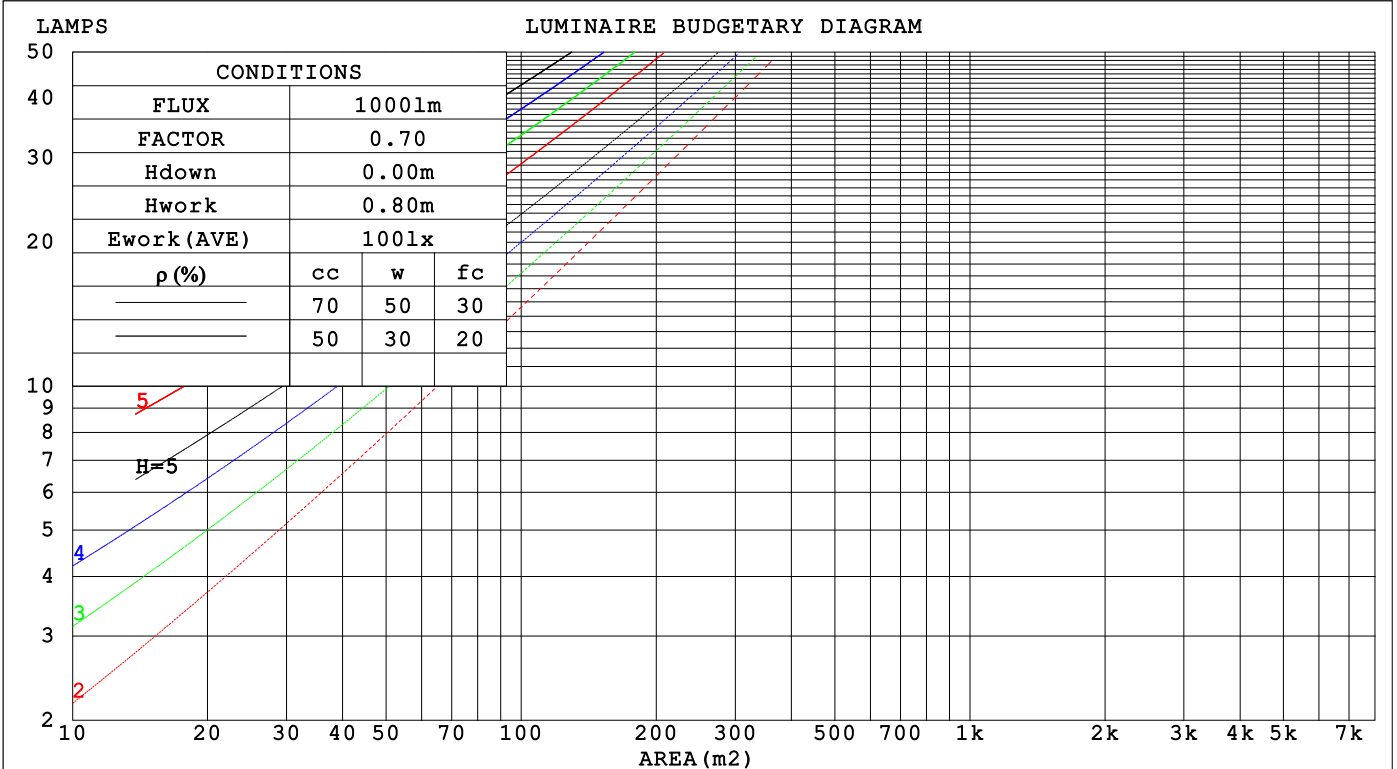
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

| ρcc | 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 Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.16 | 1.16 | 1.16 | 1.12 | 1.12 | 1.12 | 1.04 | 1.04 | 1.04 | .97 | .97 | .97 | .90 | .90 | .90 | .87 |
| 1.0 | .99 | .94 | .90 | .95 | .91 | .87 | .89 | .85 | .82 | .82 | .80 | .77 | .77 | .75 | .73 | .69 |
| 2.0 | .85 | .78 | .72 | .82 | .76 | .70 | .77 | .71 | .66 | .71 | .67 | .63 | .66 | .63 | .60 | .57 |
| 3.0 | .75 | .66 | .59 | .72 | .64 | .58 | .67 | .60 | .55 | .62 | .57 | .52 | .58 | .54 | .50 | .47 |
| 4.0 | .66 | .57 | .50 | .63 | .55 | .49 | .59 | .52 | .47 | .55 | .49 | .44 | .52 | .47 | .42 | .40 |
| 5.0 | .58 | .49 | .42 | .57 | .48 | .42 | .53 | .46 | .40 | .49 | .43 | .38 | .46 | .41 | .37 | .34 |
| 6.0 | .52 | .43 | .37 | .51 | .42 | .36 | .48 | .40 | .35 | .45 | .38 | .33 | .42 | .36 | .32 | .30 |
| 7.0 | .47 | .38 | .32 | .46 | .38 | .32 | .43 | .36 | .31 | .41 | .34 | .29 | .38 | .33 | .28 | .26 |
| 8.0 | .43 | .34 | .29 | .42 | .34 | .28 | .39 | .32 | .27 | .37 | .31 | .26 | .35 | .29 | .25 | .23 |
| 9.0 | .39 | .31 | .26 | .38 | .30 | .25 | .36 | .29 | .24 | .34 | .28 | .24 | .32 | .27 | .23 | .21 |
| 10.0 | .36 | .28 | .23 | .35 | .28 | .23 | .33 | .27 | .22 | .32 | .26 | .21 | .30 | .24 | .21 | .19 |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

| ρ _{CC} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .343 | .195 | .062 | .332 | .190 | .060 | .311 | .179 | .057 | .292 | .168 | .054 | .274 | .159 | .051 | |
| 2.0 | .309 | .170 | .052 | .299 | .165 | .051 | .280 | .156 | .048 | .263 | .148 | .046 | .247 | .140 | .044 | |
| 3.0 | .280 | .149 | .045 | .271 | .145 | .044 | .254 | .138 | .042 | .239 | .131 | .040 | .224 | .124 | .038 | |
| 4.0 | .256 | .133 | .039 | .248 | .130 | .038 | .232 | .123 | .037 | .218 | .117 | .035 | .205 | .111 | .034 | |
| 5.0 | .234 | .119 | .035 | .227 | .117 | .034 | .213 | .111 | .033 | .200 | .106 | .031 | .188 | .101 | .030 | |
| 6.0 | .216 | .108 | .031 | .210 | .106 | .030 | .197 | .101 | .029 | .185 | .096 | .028 | .174 | .092 | .027 | |
| 7.0 | .200 | .099 | .028 | .194 | .097 | .028 | .183 | .092 | .027 | .172 | .088 | .026 | .162 | .084 | .025 | |
| 8.0 | .187 | .091 | .026 | .181 | .089 | .025 | .171 | .085 | .024 | .161 | .081 | .023 | .151 | .078 | .023 | |
| 9.0 | .174 | .084 | .024 | .169 | .083 | .023 | .160 | .079 | .022 | .151 | .075 | .022 | .142 | .072 | .021 | |
| 10.0 | .164 | .078 | .022 | .159 | .077 | .021 | .150 | .073 | .021 | .142 | .070 | .020 | .134 | .067 | .019 | |

| ρ _{CC} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρ _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .291 | .291 | .291 | .249 | .249 | .249 | .170 | .170 | .170 | .098 | .098 | .098 | .031 | .031 | .031 | |
| 2.0 | .277 | .234 | .198 | .237 | .202 | .171 | .163 | .139 | .120 | .094 | .081 | .070 | .030 | .026 | .023 | |
| 3.0 | .269 | .217 | .176 | .231 | .187 | .152 | .159 | .130 | .107 | .092 | .076 | .063 | .029 | .025 | .021 | |
| 4.0 | .262 | .204 | .161 | .225 | .177 | .140 | .154 | .123 | .098 | .089 | .072 | .058 | .029 | .023 | .019 | |
| 5.0 | .254 | .194 | .150 | .218 | .168 | .131 | .150 | .118 | .092 | .087 | .069 | .055 | .028 | .023 | .018 | |
| 6.0 | .247 | .186 | .143 | .212 | .161 | .124 | .147 | .113 | .088 | .085 | .066 | .052 | .027 | .022 | .017 | |
| 7.0 | .240 | .180 | .137 | .207 | .156 | .120 | .143 | .109 | .085 | .083 | .064 | .050 | .027 | .021 | .017 | |
| 8.0 | .234 | .174 | .133 | .201 | .151 | .116 | .139 | .106 | .082 | .081 | .063 | .049 | .026 | .020 | .016 | |
| 9.0 | .228 | .169 | .130 | .196 | .147 | .113 | .136 | .103 | .080 | .079 | .061 | .048 | .026 | .020 | .016 | |
| 10.0 | .222 | .165 | .127 | .191 | .143 | .111 | .133 | .101 | .079 | .077 | .060 | .047 | .025 | .020 | .016 | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|--------------|------|----------------|------|-------------------------------|------|------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz | | | | | | | | | | |
| Lamp Flux:2052.24x1 lm | | | | | | | | | | |
| NAME: 15寸北美吸顶灯 | | | | TYPE: 吸顶灯 | | | | WEIGHT: 1 | | |
| SPEC.: / | | | | DIM.: d=0.38 | | | | SERIAL No.: SY2500238-3#5000K | | |
| MFR.: 研发中心 | | | | SUR.: d=0.38 | | | | 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 | 17.7 | 19.1 | 18.1 | 19.5 | 20.0 | 17.7 | 19.1 | 18.2 | 19.5 | 20.0 |
| 3H | 19.5 | 20.8 | 20.0 | 21.2 | 21.7 | 19.5 | 20.8 | 20.0 | 21.3 | 21.8 |
| 4H | 20.3 | 21.5 | 20.8 | 22.0 | 22.5 | 20.4 | 21.6 | 20.9 | 22.1 | 22.6 |
| 6H | 21.1 | 22.3 | 21.6 | 22.8 | 23.3 | 21.2 | 22.3 | 21.7 | 22.8 | 23.4 |
| 8H | 21.5 | 22.6 | 22.0 | 23.1 | 23.7 | 21.6 | 22.7 | 22.1 | 23.2 | 23.8 |
| 12H | 21.9 | 23.0 | 22.5 | 23.5 | 24.1 | 22.0 | 23.1 | 22.6 | 23.6 | 24.2 |
| 4H 2H | 18.3 | 19.6 | 18.8 | 20.0 | 20.6 | 18.4 | 19.6 | 18.9 | 20.0 | 20.6 |
| 3H | 20.3 | 21.4 | 20.9 | 21.9 | 22.5 | 20.4 | 21.4 | 20.9 | 21.9 | 22.5 |
| 4H | 21.3 | 22.3 | 21.9 | 22.8 | 23.4 | 21.4 | 22.3 | 21.9 | 22.9 | 23.5 |
| 6H | 22.3 | 23.2 | 22.9 | 23.7 | 24.4 | 22.4 | 23.2 | 22.9 | 23.8 | 24.4 |
| 8H | 22.8 | 23.6 | 23.4 | 24.2 | 24.8 | 22.9 | 23.7 | 23.5 | 24.2 | 24.9 |
| 12H | 23.3 | 24.0 | 23.9 | 24.6 | 25.3 | 23.4 | 24.1 | 24.0 | 24.7 | 25.4 |
| 8H 4H | 21.7 | 22.5 | 22.3 | 23.1 | 23.8 | 21.7 | 22.5 | 22.3 | 23.1 | 23.8 |
| 6H | 22.9 | 23.6 | 23.5 | 24.2 | 24.9 | 23.0 | 23.6 | 23.6 | 24.3 | 25.0 |
| 8H | 23.5 | 24.1 | 24.2 | 24.8 | 25.5 | 23.6 | 24.2 | 24.3 | 24.9 | 25.6 |
| 12H | 24.3 | 24.8 | 24.9 | 25.4 | 26.2 | 24.4 | 24.9 | 25.0 | 25.5 | 26.3 |
| 12H 4H | 21.8 | 22.5 | 22.4 | 23.1 | 23.8 | 21.8 | 22.5 | 22.4 | 23.1 | 23.8 |
| 6H | 23.0 | 23.6 | 23.7 | 24.3 | 25.0 | 23.1 | 23.7 | 23.8 | 24.3 | 25.1 |
| 8H | 23.8 | 24.3 | 24.4 | 25.0 | 25.7 | 23.8 | 24.4 | 24.5 | 25.0 | 25.8 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.1 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 2052 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.5)
 Area: 0.113411 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

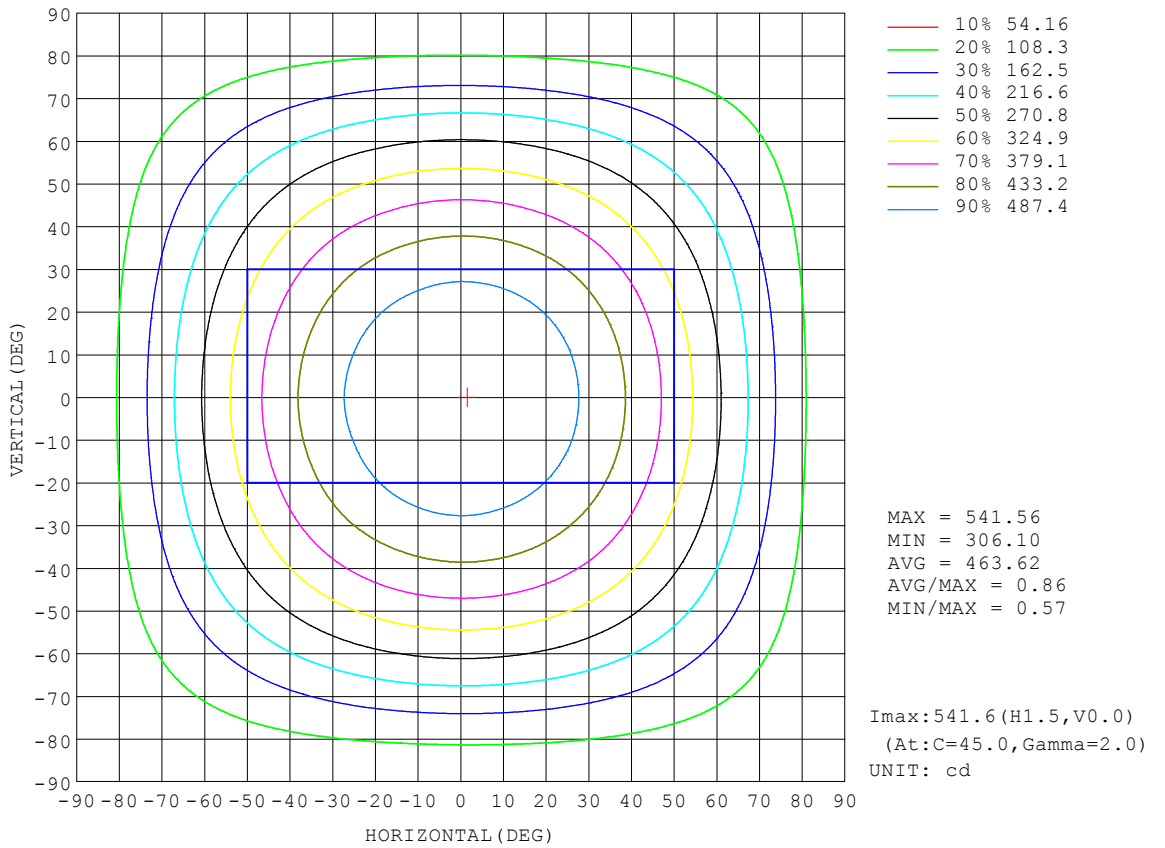
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 51 | 39 | 32 | 50 | 39 | 32 | 48 | 38 | 32 | 25 |
| 0.80 | 61 | 49 | 41 | 60 | 48 | 41 | 57 | 47 | 40 | 32 |
| 1.00 | 69 | 57 | 49 | 67 | 56 | 49 | 64 | 57 | 48 | 39 |
| 1.25 | 76 | 65 | 57 | 74 | 63 | 56 | 70 | 61 | 54 | 45 |
| 1.50 | 81 | 70 | 62 | 79 | 69 | 61 | 74 | 66 | 59 | 50 |
| 2.00 | 88 | 79 | 71 | 86 | 77 | 70 | 80 | 73 | 67 | 56 |
| 2.50 | 93 | 84 | 77 | 89 | 81 | 75 | 84 | 77 | 72 | 60 |
| 3.00 | 96 | 88 | 82 | 93 | 86 | 80 | 87 | 81 | 76 | 64 |
| 4.00 | 101 | 94 | 88 | 97 | 91 | 86 | 91 | 86 | 81 | 68 |
| 5.00 | 103 | 97 | 92 | 100 | 94 | 90 | 93 | 89 | 85 | 71 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

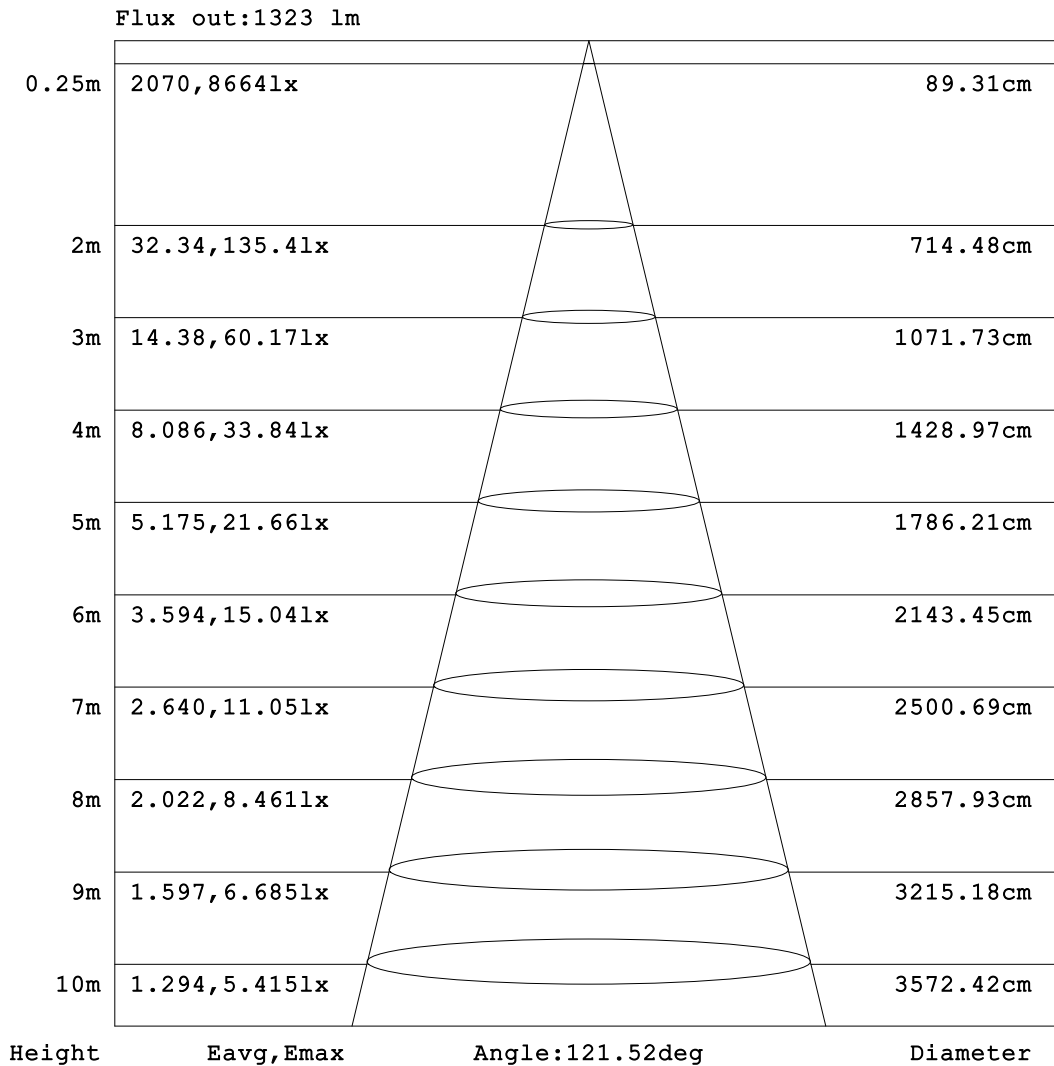


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

AAI Figure

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |



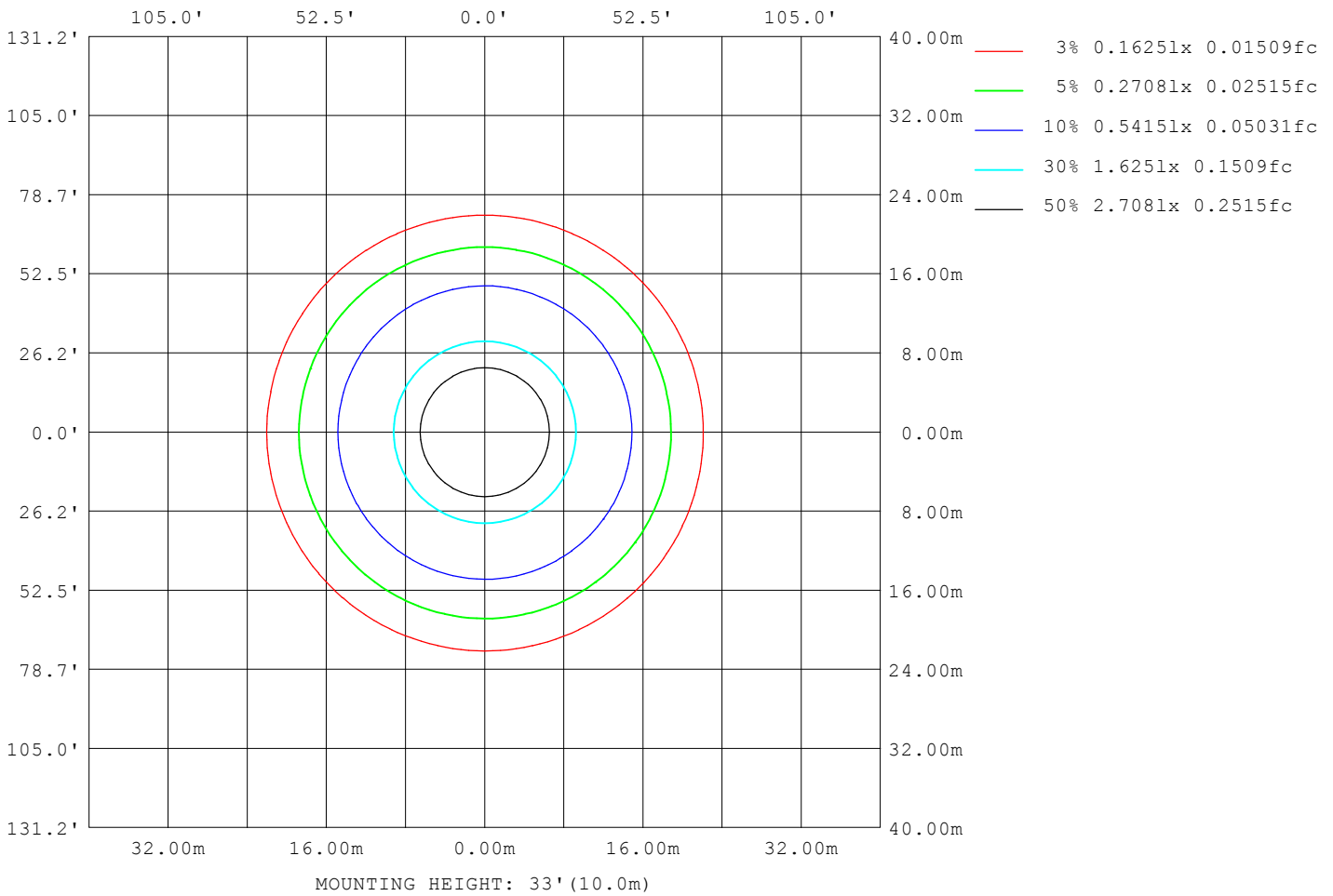
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:linye
Test Date:2026-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:58.9%
Test Distance:26.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

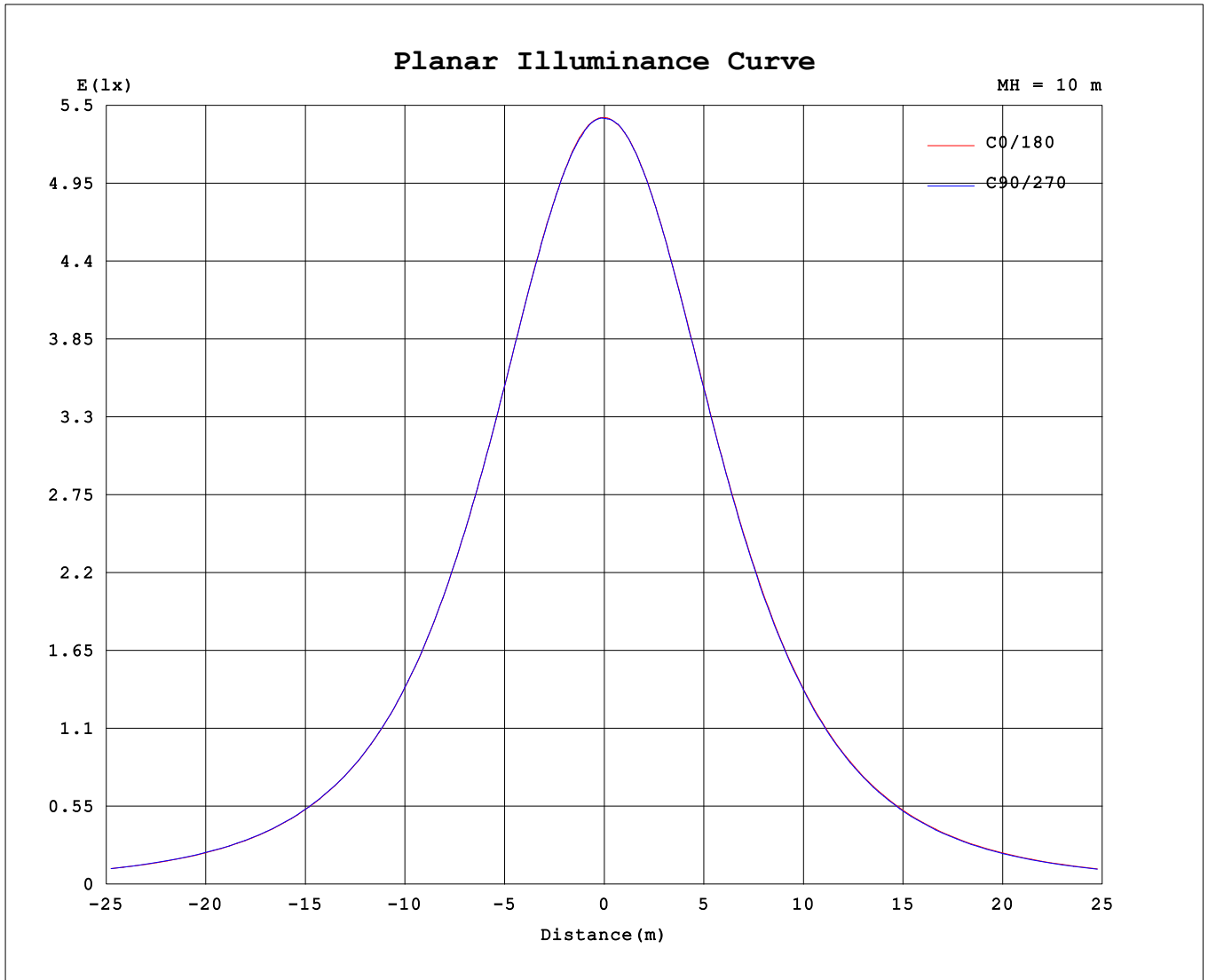
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 4910 |
| L_0~180 (75) av | 5142 |
| L_0~180 (85) av | 8318 |
| L_90~270 (65) av | 4894 |
| L_90~270 (75) av | 5130 |
| L_90~270 (85) av | 8336 |
| L_45 (65) av | 4904 |
| L_45 (75) av | 5141 |
| L_45 (85) av | 8323 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:linye
Test Date:2026-03-05

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:58.9%
Test Distance:26.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: linye
 Test Date: 2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 58.9%
 Test Distance: 26.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------|-------------------------------|
| Test:U:119.92V I:0.2228A P:24.504W PF:0.9170 Freq:60.00Hz Lamp Flux:2052.24x1 lm | | |
| NAME: 15寸北美吸顶灯 | TYPE: 吸顶灯 | WEIGHT: 1 |
| SPEC.: / | DIM.: d=0.38 | SERIAL No.: SY2500238-3#5000K |
| MFR.: 研发中心 | SUR.: d=0.38 | Shielding Angle: / |

Table--1

UNIT: cd

| C (DEG) \ γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|--|--|
| 0 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | 541 | | | |
| 5 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 540 | 539 | 540 | 540 | 539 | 540 | 540 | 539 | 540 | | | |
| 10 | 535 | 536 | 536 | 536 | 535 | 536 | 535 | 535 | 534 | 535 | 535 | 534 | 534 | 534 | 535 | 535 | | | |
| 15 | 526 | 527 | 527 | 527 | 527 | 527 | 527 | 526 | 525 | 526 | 526 | 525 | 525 | 526 | 527 | 527 | | | |
| 20 | 514 | 515 | 515 | 515 | 514 | 514 | 514 | 513 | 512 | 513 | 512 | 512 | 512 | 513 | 514 | 514 | | | |
| 25 | 497 | 499 | 498 | 498 | 498 | 497 | 497 | 496 | 496 | 496 | 495 | 495 | 496 | 496 | 497 | 498 | | | |
| 30 | 476 | 478 | 478 | 478 | 477 | 477 | 476 | 474 | 474 | 474 | 474 | 473 | 474 | 475 | 476 | 477 | | | |
| 35 | 453 | 454 | 454 | 454 | 453 | 452 | 451 | 450 | 450 | 450 | 449 | 448 | 449 | 450 | 451 | 452 | | | |
| 40 | 424 | 425 | 426 | 426 | 425 | 424 | 423 | 421 | 421 | 421 | 420 | 420 | 420 | 421 | 422 | 424 | | | |
| 45 | 392 | 394 | 394 | 394 | 393 | 392 | 391 | 390 | 389 | 389 | 389 | 388 | 388 | 389 | 390 | 392 | | | |
| 50 | 357 | 359 | 360 | 359 | 358 | 357 | 356 | 354 | 354 | 354 | 354 | 353 | 353 | 353 | 355 | 356 | | | |
| 55 | 319 | 321 | 322 | 322 | 321 | 320 | 318 | 316 | 316 | 316 | 315 | 314 | 314 | 315 | 317 | 318 | | | |
| 60 | 279 | 281 | 282 | 281 | 281 | 280 | 278 | 276 | 276 | 275 | 274 | 273 | 273 | 274 | 276 | 278 | | | |
| 65 | 237 | 239 | 239 | 239 | 238 | 237 | 236 | 234 | 234 | 233 | 232 | 231 | 231 | 231 | 233 | 235 | | | |
| 70 | 193 | 196 | 197 | 197 | 196 | 195 | 193 | 191 | 191 | 190 | 189 | 188 | 187 | 188 | 190 | 192 | | | |
| 75 | 152 | 154 | 155 | 156 | 155 | 154 | 152 | 150 | 150 | 149 | 148 | 147 | 146 | 146 | 148 | 151 | | | |
| 80 | 114 | 116 | 118 | 118 | 118 | 117 | 115 | 113 | 112 | 111 | 111 | 110 | 109 | 109 | 110 | 113 | | | |
| 85 | 83.3 | 85.1 | 86.1 | 86.9 | 86.1 | 85.3 | 83.7 | 82.1 | 81.1 | 80.3 | 79.9 | 79.3 | 78.7 | 78.4 | 79.3 | 81.4 | | | |
| 90 | 61.2 | 62.4 | 63.1 | 63.5 | 63.0 | 62.2 | 60.9 | 59.8 | 59.6 | 59.2 | 59.1 | 58.7 | 58.1 | 57.8 | 58.6 | 60.2 | | | |
| 95 | 50.4 | 51.0 | 51.3 | 51.5 | 51.2 | 50.4 | 49.5 | 49.0 | 48.5 | 48.5 | 48.5 | 48.1 | 47.5 | 47.2 | 47.8 | 49.0 | | | |
| 100 | 45.1 | 45.5 | 45.6 | 45.6 | 45.3 | 44.8 | 44.2 | 43.9 | 43.4 | 43.6 | 43.6 | 43.2 | 42.5 | 42.1 | 42.8 | 43.7 | | | |
| 105 | 43.3 | 43.5 | 43.5 | 43.5 | 43.3 | 42.8 | 42.3 | 42.2 | 42.1 | 42.2 | 42.1 | 41.6 | 41.0 | 40.8 | 41.3 | 42.0 | | | |
| 110 | 42.9 | 43.3 | 43.3 | 43.2 | 42.9 | 42.5 | 42.2 | 42.0 | 42.1 | 42.2 | 42.2 | 41.6 | 41.2 | 40.9 | 41.4 | 42.0 | | | |
| 115 | 42.9 | 43.2 | 43.3 | 43.2 | 42.9 | 42.5 | 42.2 | 42.1 | 42.1 | 42.2 | 42.2 | 41.6 | 41.4 | 40.9 | 41.4 | 42.0 | | | |
| 120 | 42.9 | 43.2 | 43.3 | 43.2 | 42.9 | 42.8 | 42.3 | 42.2 | 42.1 | 42.2 | 42.1 | 41.5 | 41.5 | 40.9 | 41.4 | 42.0 | | | |
| 125 | 42.8 | 43.3 | 43.3 | 43.2 | 42.9 | 42.9 | 42.3 | 42.2 | 42.1 | 42.0 | 41.9 | 41.3 | 41.5 | 40.8 | 41.3 | 42.0 | | | |
| 130 | 42.7 | 43.0 | 43.3 | 43.2 | 43.0 | 42.9 | 42.3 | 42.2 | 42.0 | 41.8 | 41.6 | 41.3 | 40.9 | 40.7 | 41.3 | 41.5 | | | |
| 135 | 42.3 | 42.7 | 43.1 | 43.2 | 43.0 | 42.9 | 42.3 | 42.2 | 41.6 | 41.5 | 41.4 | 41.0 | 40.7 | 40.6 | 40.9 | 41.2 | | | |
| 140 | 41.9 | 42.4 | 42.8 | 43.1 | 43.0 | 42.6 | 42.3 | 42.2 | 41.5 | 41.4 | 41.3 | 41.0 | 40.7 | 40.6 | 40.8 | 40.9 | | | |
| 145 | 41.7 | 42.2 | 42.5 | 42.8 | 42.8 | 42.5 | 42.3 | 42.1 | 41.4 | 41.4 | 41.3 | 41.0 | 40.8 | 40.6 | 40.9 | 40.9 | | | |
| 150 | 41.6 | 42.1 | 42.4 | 42.8 | 42.8 | 42.5 | 42.3 | 42.2 | 41.4 | 41.4 | 41.4 | 41.3 | 40.9 | 41.0 | 41.3 | 40.9 | | | |
| 155 | 41.6 | 42.0 | 42.3 | 42.8 | 42.7 | 42.5 | 42.3 | 42.2 | 41.5 | 41.4 | 41.4 | 41.2 | 40.9 | 41.0 | 41.4 | 40.8 | | | |
| 160 | 41.5 | 41.5 | 41.9 | 42.0 | 41.6 | 41.7 | 42.1 | 41.9 | 40.5 | 40.5 | 40.8 | 41.1 | 40.8 | 40.6 | 40.5 | 39.7 | | | |
| 165 | 35.6 | 36.4 | 36.5 | 36.8 | 37.1 | 37.2 | 37.2 | 37.2 | 35.7 | 35.4 | 35.3 | 35.8 | 36.2 | 36.2 | 35.8 | 35.6 | | | |
| 170 | 31.9 | 32.5 | 32.9 | 33.2 | 33.6 | 33.6 | 33.6 | 34.0 | 32.3 | 32.4 | 32.5 | 33.2 | 33.4 | 33.0 | 32.5 | 32.9 | | | |
| 175 | 35.2 | 36.3 | 37.1 | 36.9 | 36.8 | 36.6 | 35.9 | 35.7 | 36.1 | 35.8 | 34.4 | 32.6 | 31.2 | 30.6 | 30.8 | 31.9 | | | |
| 180 | 37.2 | 37.3 | 37.1 | 37.1 | 36.8 | 36.8 | 36.8 | 37.4 | 37.6 | 37.3 | 37.3 | 37.1 | 37.1 | 36.8 | 36.8 | 36.8 | | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:linye
 Test Date:2026-03-05

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity:58.9%
 Test Distance:26.000m [K=1.0000]
 Remarks: