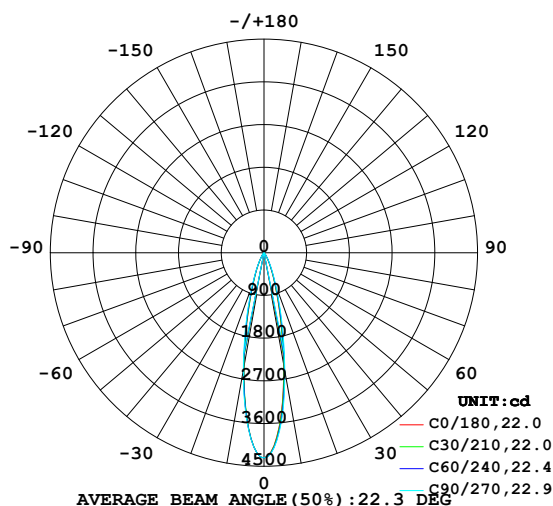


LUMINAIRE PHOTOMETRIC TEST REPORT

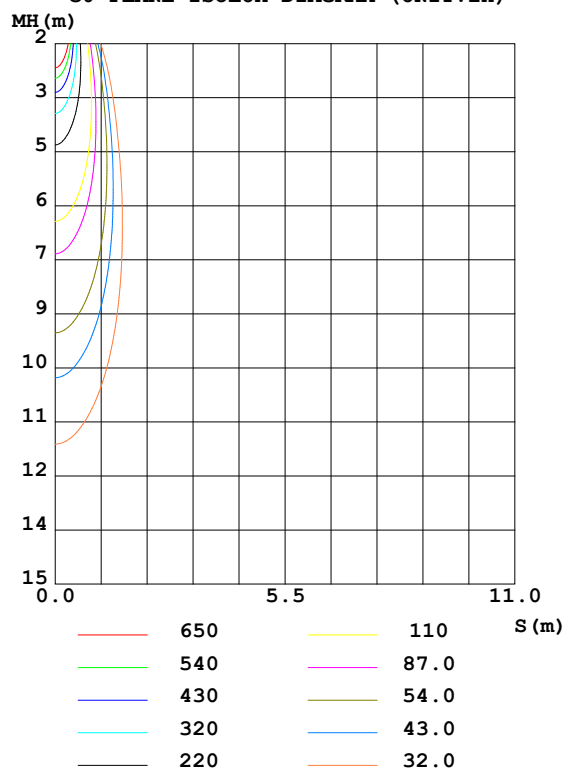
| | | |
|--|---------------------------------|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: \varnothing 55mm*H150mm | |
| MFR.: NEKO LIGHTING AG | | |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 61.66 lm/W | | | |
|-------------------|---------------|----------------------------------|--------|--------------------------|-----------|
| MODEL | CITIZEN-3000K | I _{max} (cd) | 4324 | S/MH (C0/180) | 0.38 |
| NOMINAL POWER (W) | 15 | LOR (%) | 100.0 | S/MH (C90/270) | 0.39 |
| RATED VOLTAGE (V) | 220 | TOTAL FLUX (lm) | 930.30 | η UP, DN (C0-180) | 0.0, 50.3 |
| NOMINAL FLUX (lm) | 930.304 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.0, 49.7 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE (V) | 220 | η down (%) | 100.0 | 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:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [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 |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 2388 | 2471 | 2537 | 2520 | 2453 | 2410 | 2514 | 2467 | 0- 10 | 314.3 | 314.3 | 33.8,33.8 |
| 20 | 634.7 | 659.8 | 719.6 | 707.2 | 645.6 | 637.4 | 711.8 | 698.7 | 10- 20 | 376.9 | 691.2 | 74.3,74.3 |
| 30 | 148.2 | 165.9 | 177.9 | 167.7 | 154.9 | 153.5 | 156.3 | 144.6 | 20- 30 | 164.0 | 855.2 | 91.9,91.9 |
| 40 | 38.66 | 42.78 | 43.77 | 42.69 | 40.49 | 39.19 | 39.24 | 38.16 | 30- 40 | 50.47 | 905.7 | 97.4,97.4 |
| 50 | 11.02 | 11.28 | 11.13 | 11.84 | 10.78 | 11.49 | 11.52 | 10.73 | 40- 50 | 17.72 | 923.4 | 99.3,99.3 |
| 60 | 2.855 | 2.791 | 2.940 | 2.826 | 2.655 | 2.999 | 3.030 | 2.799 | 50- 60 | 5.600 | 929.0 | 99.9,99.9 |
| 70 | 0.2141 | 0.1920 | 0.2255 | 0.2230 | 0.2070 | 0.1990 | 0.1922 | 0.2278 | 60- 70 | 1.100 | 930.1 | 100,100 |
| 80 | 0.0852 | 0.0611 | 0.0854 | 0.0743 | 0.0654 | 0.0765 | 0.0612 | 0.0833 | 70- 80 | 0.1392 | 930.3 | 100,100 |
| 90 | 0.0327 | 0.0306 | 0.0350 | 0.0350 | 0.0218 | 0.0218 | 0.0219 | 0.0219 | 80- 90 | 0.0506 | 930.3 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 916.96 lm

%lum = 98.6%

%lamp = 98.6%

Conical surface Flux(120deg): 929.01 lm

%lum = 99.9%

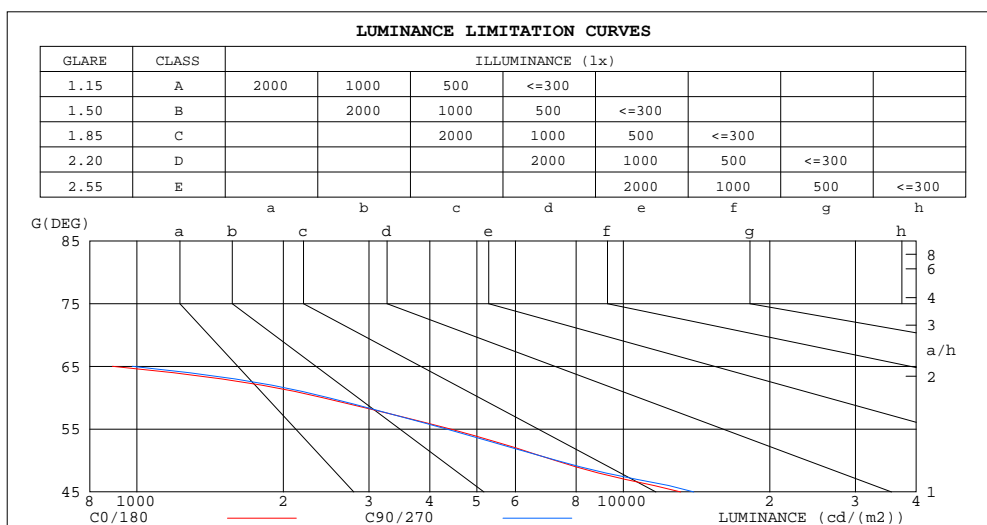
%lamp = 99.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|--|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: $\phi 55\text{mm} \times \text{H}150\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(DEG) | C0/180 | C90/270 |
| 85 | 264 | 265 |
| 80 | 207 | 207 |
| 75 | 221 | 224 |
| 70 | 264 | 278 |
| 65 | 891 | 978 |
| 60 | 2409 | 2475 |
| 55 | 4412 | 4333 |
| 50 | 7237 | 7291 |
| 45 | 13118 | 13962 |

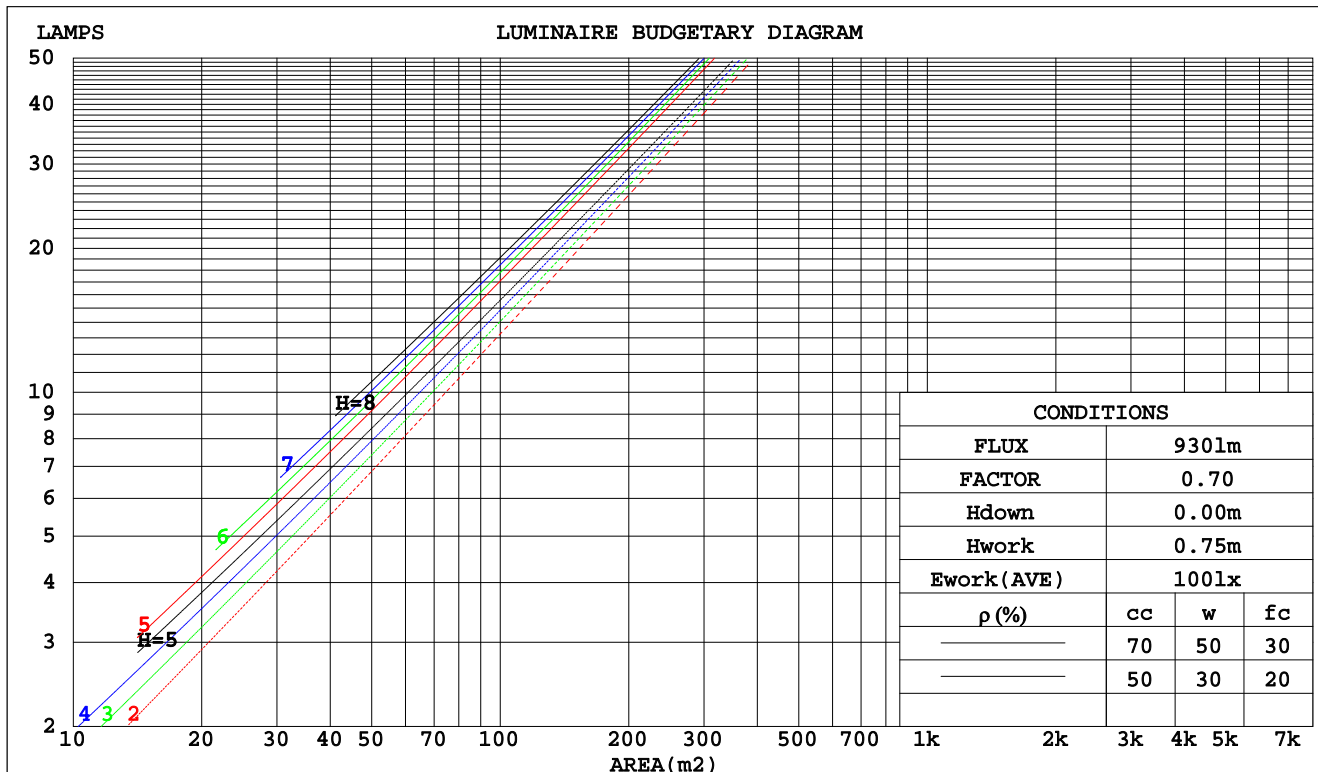
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|--|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: $\phi 55\text{mm} \times \text{H}150\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |

| 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 | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.13 | 1.11 | 1.09 | 1.11 | 1.09 | 1.07 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .00 | .99 | .98 | .96 |
| 2.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.03 | 1.00 | 1.02 | 1.00 | .98 | .99 | .98 | .96 | .97 | .95 | .94 | .93 |
| 3.0 | 1.02 | .98 | .95 | 1.01 | .98 | .95 | .98 | .96 | .93 | .96 | .94 | .92 | .94 | .92 | .91 | .89 |
| 4.0 | .98 | .94 | .91 | .97 | .93 | .90 | .95 | .92 | .89 | .93 | .90 | .88 | .91 | .89 | .87 | .86 |
| 5.0 | .94 | .90 | .87 | .93 | .89 | .86 | .92 | .88 | .86 | .90 | .87 | .85 | .89 | .86 | .84 | .83 |
| 6.0 | .91 | .86 | .83 | .90 | .86 | .83 | .89 | .85 | .82 | .87 | .84 | .82 | .86 | .83 | .81 | .80 |
| 7.0 | .87 | .83 | .80 | .87 | .83 | .80 | .86 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .79 | .78 |
| 8.0 | .85 | .80 | .77 | .84 | .80 | .77 | .83 | .79 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .75 |
| 9.0 | .82 | .78 | .75 | .81 | .77 | .75 | .81 | .77 | .74 | .80 | .77 | .74 | .79 | .76 | .74 | .73 |
| 10.0 | .79 | .75 | .72 | .79 | .75 | .72 | .78 | .75 | .72 | .78 | .74 | .72 | .77 | .74 | .72 | .71 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|--|--------------------------|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: ϕ 55mm*H150mm | |
| MFR.: NEKO LIGHTING AG | | |

| 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 | .141 | .080 | .025 | .135 | .077 | .024 | .122 | .070 | .022 | .111 | .064 | .021 | .100 | .058 | .019 | | |
| 2.0 | .132 | .072 | .022 | .126 | .070 | .021 | .116 | .065 | .020 | .107 | .060 | .019 | .098 | .055 | .017 | | |
| 3.0 | .123 | .066 | .020 | .119 | .064 | .019 | .110 | .060 | .018 | .102 | .056 | .017 | .095 | .053 | .016 | | |
| 4.0 | .116 | .060 | .018 | .112 | .059 | .017 | .105 | .056 | .017 | .098 | .053 | .016 | .092 | .050 | .015 | | |
| 5.0 | .109 | .056 | .016 | .106 | .054 | .016 | .100 | .052 | .015 | .094 | .050 | .015 | .089 | .047 | .014 | | |
| 6.0 | .104 | .052 | .015 | .101 | .051 | .015 | .095 | .049 | .014 | .090 | .047 | .014 | .086 | .045 | .013 | | |
| 7.0 | .099 | .049 | .014 | .096 | .048 | .014 | .091 | .046 | .013 | .087 | .045 | .013 | .083 | .043 | .013 | | |
| 8.0 | .094 | .046 | .013 | .092 | .045 | .013 | .088 | .044 | .013 | .084 | .042 | .012 | .080 | .041 | .012 | | |
| 9.0 | .090 | .043 | .012 | .088 | .043 | .012 | .084 | .042 | .012 | .081 | .041 | .012 | .078 | .039 | .011 | | |
| 10.0 | .086 | .041 | .011 | .084 | .041 | .011 | .081 | .040 | .011 | .078 | .039 | .011 | .075 | .038 | .011 | | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .169 | .158 | .148 | .144 | .135 | .127 | .099 | .093 | .088 | .057 | .054 | .051 | .018 | .017 | .017 | |
| 2.0 | .151 | .133 | .117 | .129 | .114 | .101 | .089 | .079 | .071 | .051 | .046 | .041 | .016 | .015 | .014 | |
| 3.0 | .136 | .113 | .095 | .117 | .098 | .082 | .080 | .068 | .058 | .046 | .040 | .034 | .015 | .013 | .011 | |
| 4.0 | .124 | .098 | .078 | .106 | .085 | .068 | .073 | .059 | .048 | .042 | .035 | .028 | .014 | .011 | .009 | |
| 5.0 | .114 | .086 | .065 | .098 | .074 | .057 | .067 | .052 | .040 | .039 | .030 | .024 | .013 | .010 | .008 | |
| 6.0 | .105 | .076 | .055 | .090 | .066 | .048 | .062 | .046 | .034 | .036 | .027 | .020 | .012 | .009 | .007 | |
| 7.0 | .098 | .068 | .047 | .084 | .059 | .041 | .058 | .041 | .029 | .034 | .024 | .017 | .011 | .008 | .006 | |
| 8.0 | .091 | .061 | .040 | .078 | .053 | .035 | .054 | .037 | .025 | .032 | .022 | .015 | .010 | .007 | .005 | |
| 9.0 | .086 | .055 | .035 | .074 | .048 | .031 | .051 | .034 | .022 | .030 | .020 | .013 | .010 | .007 | .004 | |
| 10.0 | .081 | .051 | .031 | .070 | .044 | .027 | .048 | .031 | .019 | .028 | .018 | .011 | .009 | .006 | .004 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|--------------------------|----------------|------|-------------|------|------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | | | | | | | | | |
| NAME: ROXY Art-15W-930-24 | | | | | TYPE:Tracklight | | | SERIAL No.: | | |
| SPEC.:3000K | | | | | DIM.: ϕ 55mm*H150mm | | | | | |
| MFR.: NEKO LIGHTING AG | | | | | | | | | | |
| 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 | 12.7 | 13.4 | 12.9 | 13.5 | 13.7 | 13.2 | 13.9 | 13.5 | 14.1 | 14.2 |
| 3H | 12.5 | 13.2 | 12.8 | 13.4 | 13.5 | 13.1 | 13.7 | 13.3 | 13.9 | 14.1 |
| 4H | 12.5 | 13.1 | 12.7 | 13.3 | 13.5 | 13.0 | 13.6 | 13.3 | 13.8 | 14.0 |
| 6H | 12.4 | 12.9 | 12.7 | 13.2 | 13.4 | 12.9 | 13.5 | 13.2 | 13.7 | 14.0 |
| 8H | 12.3 | 12.9 | 12.6 | 13.1 | 13.4 | 12.9 | 13.4 | 13.2 | 13.7 | 13.9 |
| 12H | 12.3 | 12.8 | 12.6 | 13.1 | 13.3 | 12.8 | 13.4 | 13.2 | 13.6 | 13.9 |
| 4H 2H | 12.5 | 13.1 | 12.8 | 13.3 | 13.5 | 13.1 | 13.7 | 13.3 | 13.9 | 14.1 |
| 3H | 12.3 | 12.9 | 12.6 | 13.1 | 13.4 | 12.9 | 13.4 | 13.2 | 13.7 | 13.9 |
| 4H | 12.2 | 12.7 | 12.6 | 13.0 | 13.3 | 12.8 | 13.3 | 13.1 | 13.6 | 13.9 |
| 6H | 12.1 | 12.6 | 12.5 | 12.9 | 13.2 | 12.7 | 13.1 | 13.1 | 13.4 | 13.8 |
| 8H | 12.1 | 12.5 | 12.5 | 12.8 | 13.2 | 12.6 | 13.0 | 13.0 | 13.4 | 13.7 |
| 12H | 12.0 | 12.4 | 12.4 | 12.8 | 13.1 | 12.6 | 12.9 | 13.0 | 13.3 | 13.7 |
| 8H 4H | 12.1 | 12.5 | 12.5 | 12.8 | 13.2 | 12.6 | 13.0 | 13.0 | 13.4 | 13.7 |
| 6H | 12.0 | 12.3 | 12.4 | 12.7 | 13.1 | 12.5 | 12.9 | 12.9 | 13.2 | 13.7 |
| 8H | 11.9 | 12.2 | 12.3 | 12.6 | 13.1 | 12.5 | 12.8 | 12.9 | 13.2 | 13.6 |
| 12H | 11.8 | 12.1 | 12.3 | 12.5 | 13.0 | 12.4 | 12.7 | 12.9 | 13.1 | 13.6 |
| 12H 4H | 12.0 | 12.4 | 12.4 | 12.8 | 13.1 | 12.6 | 12.9 | 13.0 | 13.3 | 13.7 |
| 6H | 11.9 | 12.2 | 12.3 | 12.6 | 13.1 | 12.5 | 12.8 | 12.9 | 13.2 | 13.6 |
| 8H | 11.8 | 12.1 | 12.3 | 12.5 | 13.0 | 12.4 | 12.7 | 12.9 | 13.1 | 13.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.5 / - 7.6 | | | | | + 2.9 / - 8.3 | | | | |
| 1.5H | + 3.9 / - 5.6 | | | | | + 4.5 / - 6.1 | | | | |
| 2.0H | + 5.2 / - 7.8 | | | | | + 5.6 / - 8.4 | | | | |

CIE Pub.117, 930.3 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: $\varnothing 55\text{mm} \times H150\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |

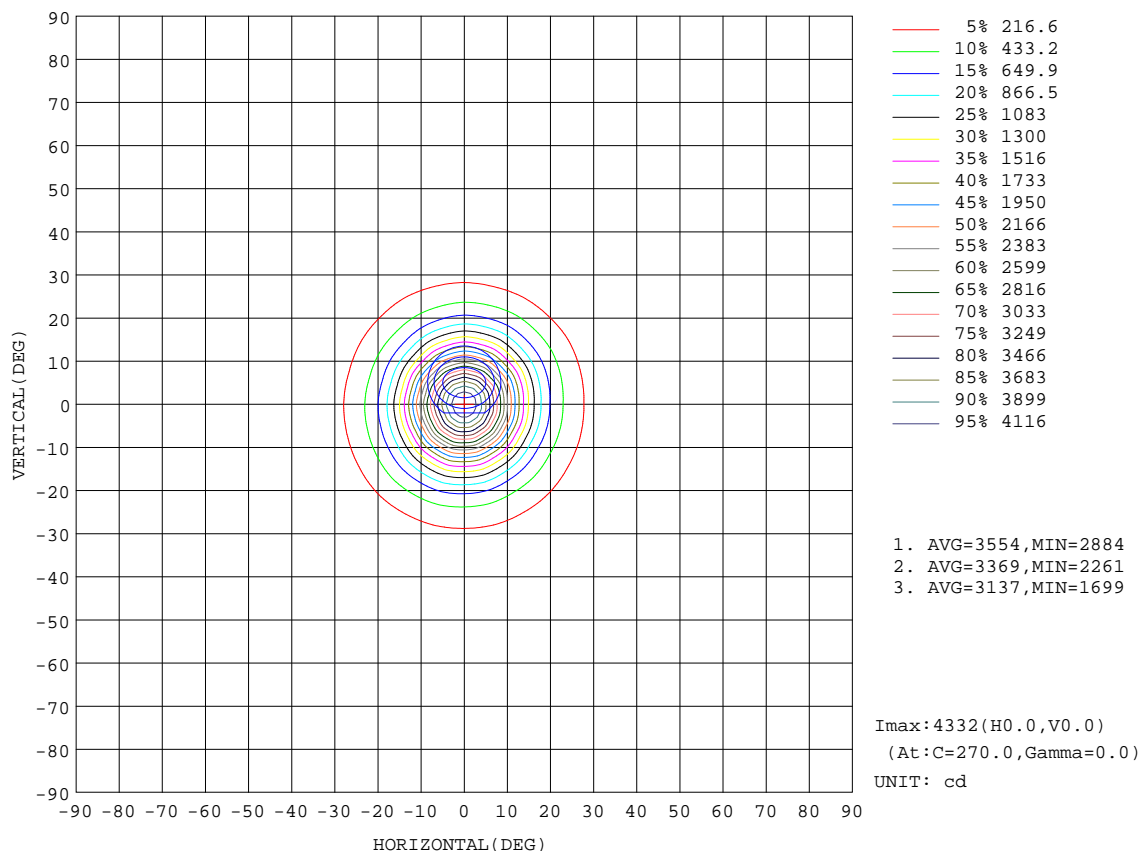
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 90 | 84 | 80 | 89 | 84 | 80 | 89 | 83 | 80 | 77 |
| 0.80 | 97 | 92 | 88 | 96 | 91 | 88 | 95 | 91 | 88 | 84 |
| 1.00 | 101 | 96 | 93 | 100 | 95 | 92 | 99 | 95 | 92 | 88 |
| 1.25 | 105 | 100 | 97 | 104 | 99 | 96 | 102 | 98 | 96 | 92 |
| 1.50 | 107 | 103 | 100 | 106 | 102 | 99 | 104 | 101 | 98 | 94 |
| 2.00 | 109 | 106 | 103 | 108 | 105 | 102 | 105 | 103 | 100 | 95 |
| 2.50 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 104 | 102 | 96 |
| 3.00 | 112 | 109 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 97 |
| 4.00 | 114 | 112 | 110 | 112 | 110 | 108 | 109 | 107 | 106 | 99 |
| 5.00 | 116 | 113 | 112 | 113 | 112 | 110 | 109 | 108 | 107 | 100 |
| 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:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------------------------|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: ϕ 55mm*H150mm | |
| MFR.: NEKO LIGHTING AG | | |

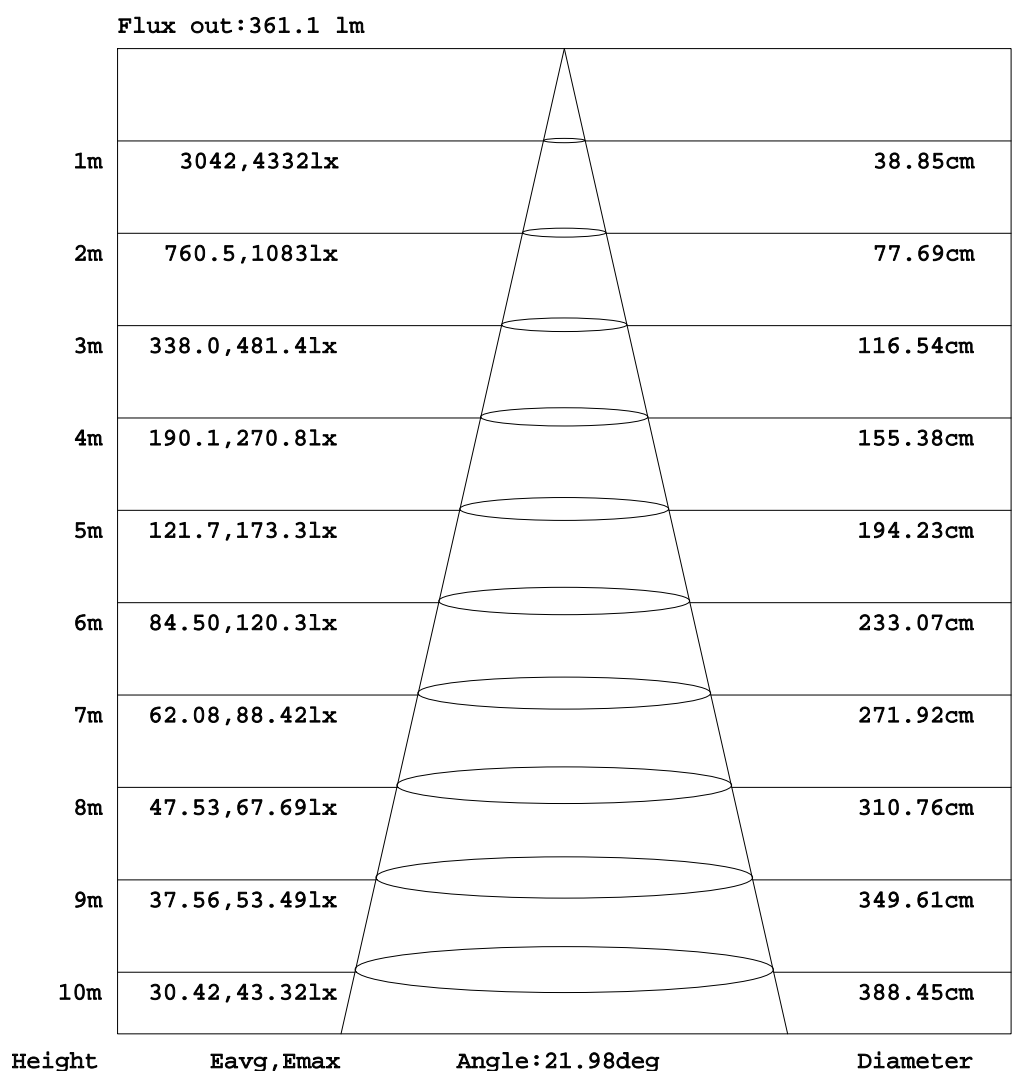


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|---|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: $\phi 55\text{mm} \times H150\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |



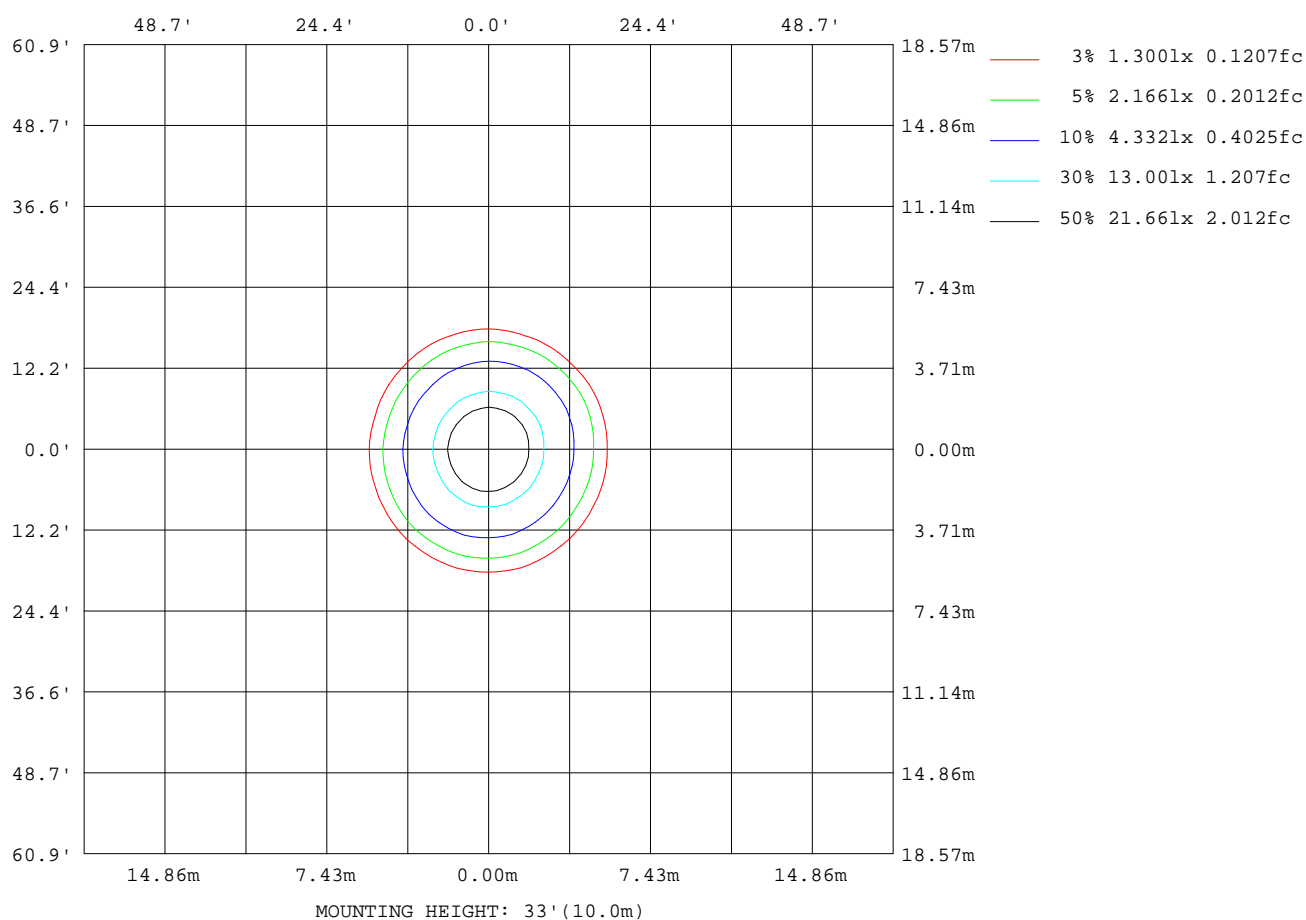
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Meng Yongjian
Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity:52%
Test Distance:5.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|---|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: $\varnothing 55\text{mm} \times \text{H}150\text{mm}$ | |
| MFR.: NEKO LIGHTING AG | | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
Humidity: 52%
Test Distance: 5.850m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|--------------------------|-------------|
| Test:U:220.8V I:0.0714A P:15.09W PF:0.9569 Freq:50.00Hz Lamp Flux:930.304x1 lm | | |
| NAME: ROXY Art-15W-930-24 | TYPE:Tracklight | SERIAL No.: |
| SPEC.:3000K | DIM.: ϕ 55mm*H150mm | |
| MFR.: NEKO LIGHTING AG | | |

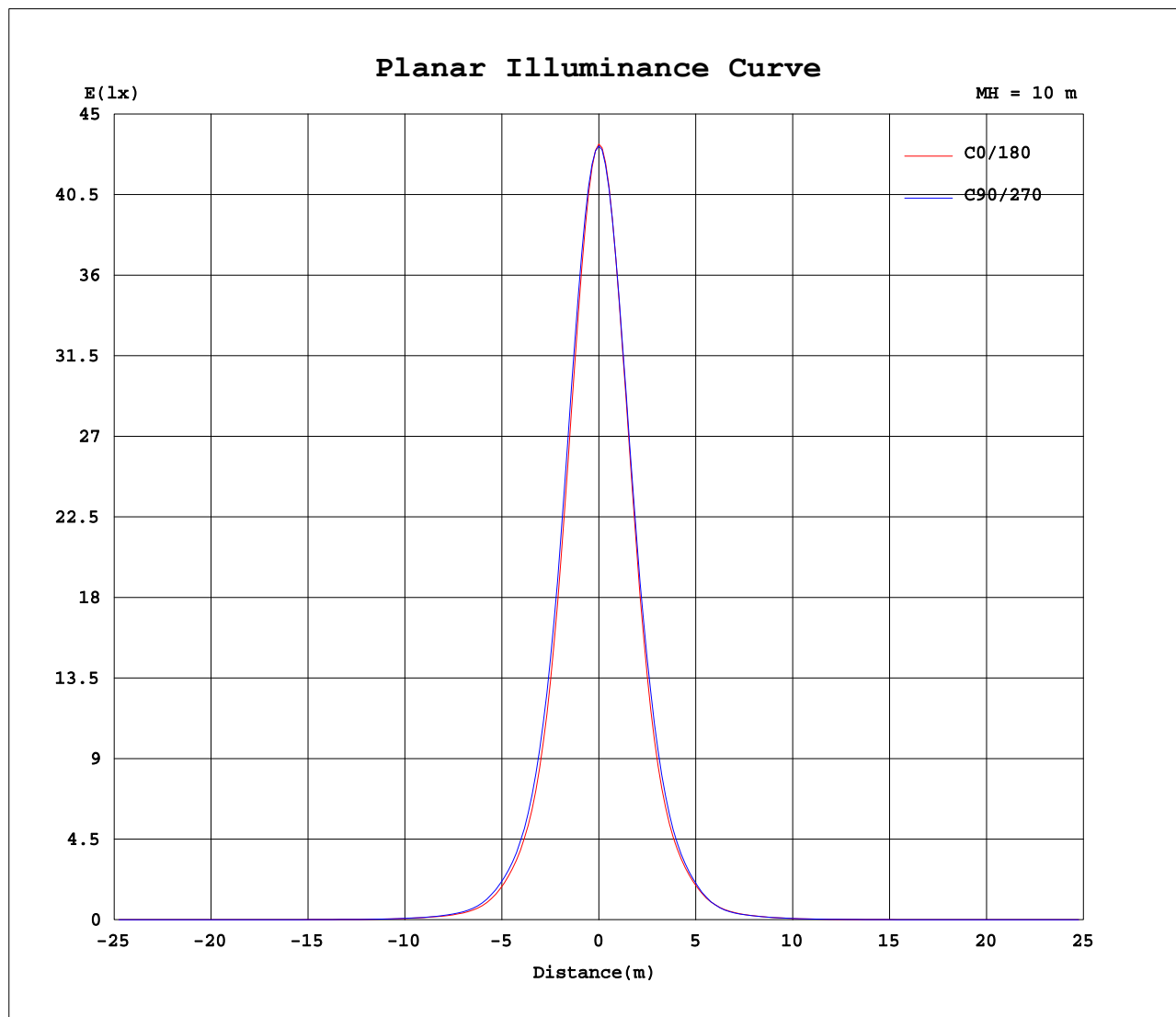
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 905 |
| L_0~180 (75) av | 206 |
| L_0~180 (85) av | 211 |
| L_90~270 (65) av | 938 |
| L_90~270 (75) av | 206 |
| L_90~270 (85) av | 211 |
| L_45 (65) av | 940 |
| L_45 (75) av | 211 |
| L_45 (85) av | 209 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Meng Yongjian
 Test Date:2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.288
 Humidity:52%
 Test Distance:5.850m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Meng Yongjian
Test Date: 2017-08-30

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.288
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```

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 Remarks: