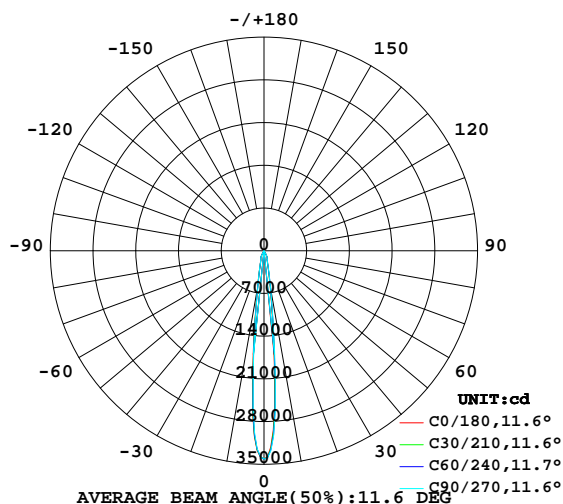


LUMINAIRE PHOTOMETRIC TEST REPORT

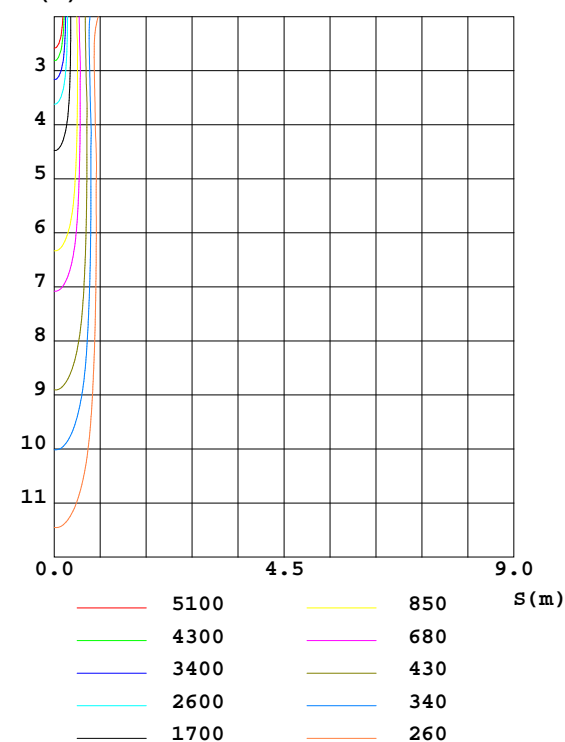
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 107.43 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|-------------------|----------|
| MODEL | TL19-30W-840-W-12 | Imax(cd) | 34147 | S/MH(C0/180) | 0.20 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.21 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2965.0 | η UP,DN(C0-180) | 1.2,49.8 |
| NOMINAL FLUX(lm) | 2964.98 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,47.6 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.5 | η down(%) | 97.4 | 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:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [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 | 602.0 | 623.6 | 643.4 | 650.5 | 617.5 | 591.8 | 586.6 | 575.6 | 0- 10 | 1460 | 1460 | 49.2,49.2 |
| 20 | 155.2 | 158.5 | 157.9 | 158.7 | 156.5 | 154.4 | 159.1 | 155.4 | 10- 20 | 770.7 | 2230 | 75.2,75.2 |
| 30 | 44.50 | 50.41 | 46.10 | 50.46 | 48.12 | 43.32 | 41.67 | 39.29 | 20- 30 | 517.5 | 2748 | 92.7,92.7 |
| 40 | 4.847 | 4.644 | 4.519 | 4.927 | 4.855 | 4.735 | 4.787 | 4.682 | 30- 40 | 79.80 | 2828 | 95.4,95.4 |
| 50 | 1.317 | 1.309 | 1.357 | 1.379 | 1.398 | 1.330 | 1.342 | 1.233 | 40- 50 | 21.62 | 2849 | 96.1,96.1 |
| 60 | 1.031 | 1.008 | 1.026 | 1.015 | 0.9796 | 0.9836 | 0.9675 | 0.9606 | 50- 60 | 9.763 | 2859 | 96.4,96.4 |
| 70 | 0.9666 | 0.9643 | 0.9885 | 0.9766 | 0.9500 | 0.9507 | 0.9427 | 0.9347 | 60- 70 | 9.752 | 2869 | 96.8,96.8 |
| 80 | 0.8541 | 0.8545 | 0.8601 | 0.8636 | 0.8494 | 0.8367 | 0.8335 | 0.8287 | 70- 80 | 9.454 | 2878 | 97.1,97.1 |
| 90 | 0.6289 | 0.6236 | 0.6235 | 0.6430 | 0.7706 | 0.7289 | 0.7291 | 0.7329 | 80- 90 | 8.595 | 2887 | 97.4,97.4 |
| 100 | 0.3915 | 0.3814 | 0.3848 | 0.3806 | 0.7424 | 0.7366 | 0.7373 | 0.7384 | 90-100 | 6.724 | 2894 | 97.6,97.6 |
| 110 | 0.6039 | 0.5930 | 0.5956 | 0.5877 | 0.7794 | 0.7790 | 0.7802 | 0.7809 | 100-110 | 6.472 | 2900 | 97.8,97.8 |
| 120 | 0.7426 | 0.7326 | 0.7364 | 0.7302 | 0.8926 | 0.8969 | 0.8965 | 0.8997 | 110-120 | 7.413 | 2908 | 98.1,98.1 |
| 130 | 1.231 | 1.197 | 1.205 | 1.184 | 1.318 | 1.337 | 1.337 | 1.351 | 120-130 | 8.818 | 2916 | 98.4,98.4 |
| 140 | 2.081 | 2.060 | 2.068 | 2.057 | 2.103 | 2.113 | 2.111 | 2.123 | 130-140 | 13.18 | 2930 | 98.8,98.8 |
| 150 | 2.403 | 2.386 | 2.396 | 2.389 | 2.438 | 2.437 | 2.438 | 2.445 | 140-150 | 14.26 | 2944 | 99.3,99.3 |
| 160 | 2.560 | 2.546 | 2.556 | 2.547 | 2.569 | 2.562 | 2.566 | 2.567 | 150-160 | 11.54 | 2955 | 99.7,99.7 |
| 170 | 2.576 | 2.569 | 2.575 | 2.574 | 2.591 | 2.578 | 2.580 | 2.579 | 160-170 | 7.315 | 2963 | 99.9,99.9 |
| 180 | 2.245 | 2.235 | 2.232 | 2.220 | 2.245 | 2.236 | 2.232 | 2.220 | 170-180 | 2.360 | 2965 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

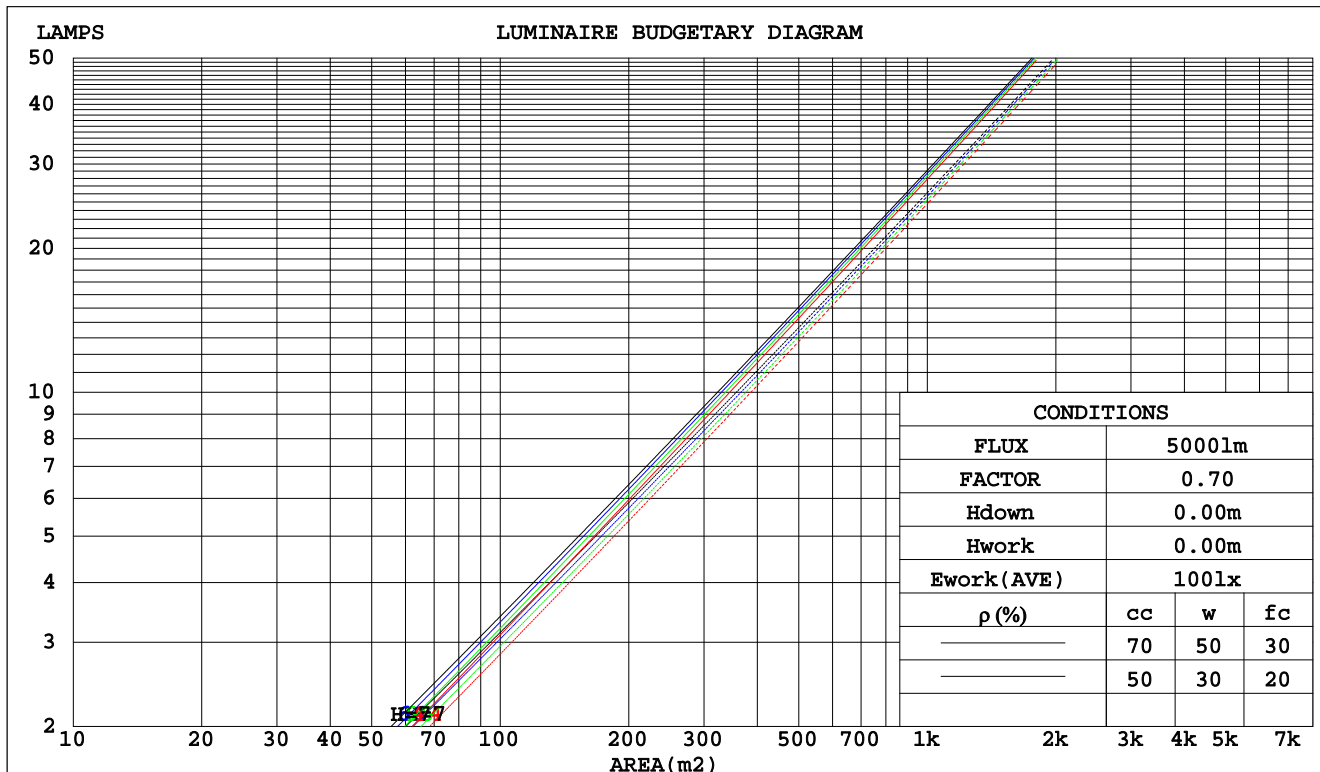
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION 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 | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.04 | 1.04 | 1.04 | .00 | .00 | .00 | .97 |
| 1.0 | 1.12 | 1.10 | 1.09 | 1.10 | 1.08 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .94 |
| 2.0 | 1.07 | 1.04 | 1.02 | 1.05 | 1.03 | 1.00 | 1.02 | .00 | .98 | .98 | .97 | .95 | .95 | .94 | .93 | .91 |
| 3.0 | 1.03 | .99 | .96 | 1.01 | .98 | .95 | .98 | .96 | .94 | .96 | .94 | .92 | .93 | .92 | .90 | .89 |
| 4.0 | .99 | .95 | .92 | .98 | .94 | .92 | .96 | .93 | .90 | .93 | .91 | .89 | .91 | .89 | .88 | .87 |
| 5.0 | .96 | .92 | .89 | .95 | .91 | .88 | .93 | .90 | .87 | .91 | .88 | .86 | .89 | .87 | .86 | .84 |
| 6.0 | .93 | .89 | .86 | .92 | .88 | .86 | .90 | .87 | .85 | .89 | .86 | .84 | .88 | .85 | .83 | .82 |
| 7.0 | .90 | .86 | .83 | .89 | .86 | .83 | .88 | .85 | .83 | .87 | .84 | .82 | .86 | .83 | .81 | .80 |
| 8.0 | .88 | .84 | .81 | .87 | .84 | .81 | .86 | .83 | .81 | .85 | .82 | .80 | .84 | .82 | .80 | .79 |
| 9.0 | .86 | .82 | .79 | .85 | .82 | .79 | .84 | .81 | .79 | .83 | .80 | .78 | .82 | .80 | .78 | .77 |
| 10.0 | .84 | .80 | .77 | .83 | .80 | .77 | .82 | .79 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .76 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|--------|--|--|-------------------|--|--|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: Rayconn | | | SUR.: | | | PROTECTION 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 | .138 | .078 | .025 | .130 | .074 | .024 | .116 | .067 | .021 | .104 | .060 | .019 | .092 | .053 | .017 | | |
| 2.0 | .126 | .069 | .021 | .120 | .066 | .020 | .108 | .060 | .019 | .097 | .055 | .017 | .087 | .049 | .016 | | |
| 3.0 | .116 | .062 | .018 | .111 | .059 | .018 | .101 | .055 | .017 | .092 | .050 | .015 | .083 | .046 | .014 | | |
| 4.0 | .108 | .056 | .016 | .103 | .054 | .016 | .095 | .050 | .015 | .087 | .047 | .014 | .080 | .043 | .013 | | |
| 5.0 | .101 | .051 | .015 | .097 | .050 | .014 | .090 | .047 | .014 | .083 | .044 | .013 | .077 | .041 | .012 | | |
| 6.0 | .095 | .047 | .014 | .091 | .046 | .013 | .085 | .044 | .013 | .079 | .041 | .012 | .074 | .039 | .012 | | |
| 7.0 | .089 | .044 | .013 | .086 | .043 | .012 | .081 | .041 | .012 | .076 | .039 | .011 | .071 | .037 | .011 | | |
| 8.0 | .085 | .041 | .012 | .082 | .040 | .011 | .077 | .039 | .011 | .073 | .037 | .011 | .068 | .035 | .010 | | |
| 9.0 | .080 | .039 | .011 | .078 | .038 | .011 | .074 | .036 | .010 | .070 | .035 | .010 | .066 | .033 | .010 | | |
| 10.0 | .077 | .037 | .010 | .075 | .036 | .010 | .071 | .035 | .010 | .067 | .033 | .009 | .064 | .032 | .009 | | |

| 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 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | | |
| 1.0 | .189 | .178 | .168 | .161 | .153 | .145 | .110 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | | |
| 2.0 | .170 | .153 | .138 | .146 | .132 | .120 | .100 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | | |
| 3.0 | .155 | .134 | .117 | .133 | .115 | .101 | .091 | .080 | .071 | .053 | .047 | .042 | .017 | .015 | .014 | | |
| 4.0 | .143 | .118 | .100 | .122 | .102 | .087 | .084 | .071 | .061 | .049 | .042 | .036 | .016 | .014 | .012 | | |
| 5.0 | .132 | .106 | .087 | .113 | .092 | .076 | .078 | .064 | .054 | .045 | .038 | .032 | .015 | .012 | .010 | | |
| 6.0 | .123 | .096 | .077 | .105 | .083 | .067 | .073 | .058 | .047 | .042 | .034 | .028 | .014 | .011 | .009 | | |
| 7.0 | .115 | .088 | .069 | .099 | .076 | .060 | .068 | .053 | .043 | .040 | .031 | .025 | .013 | .010 | .008 | | |
| 8.0 | .108 | .081 | .062 | .093 | .070 | .054 | .064 | .049 | .039 | .037 | .029 | .023 | .012 | .010 | .008 | | |
| 9.0 | .102 | .075 | .057 | .088 | .065 | .050 | .061 | .046 | .035 | .036 | .027 | .021 | .012 | .009 | .007 | | |
| 10.0 | .097 | .070 | .053 | .084 | .061 | .046 | .058 | .043 | .033 | .034 | .025 | .020 | .011 | .008 | .006 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| DIM.: | | | | | SPEC.: | | | SERIAL No.: | | | |
| MFR.: Rayconn | | | | | SUR.: | | | PROTECTION 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 | 6.4 | 7.0 | 6.7 | 7.2 | 7.4 | 6.5 | 7.1 | 6.7 | 7.3 | 7.5 | |
| | 3H | 7.5 | 8.1 | 7.8 | 8.3 | 8.5 | 7.6 | 8.1 | 7.8 | 8.4 | 8.6 |
| | 4H | 8.3 | 8.9 | 8.6 | 9.1 | 9.4 | 8.4 | 9.0 | 8.7 | 9.2 | 9.5 |
| | 6H | 9.5 | 10.0 | 9.8 | 10.3 | 10.6 | 9.6 | 10.1 | 9.9 | 10.4 | 10.7 |
| | 8H | 10.3 | 10.8 | 10.6 | 11.0 | 11.3 | 10.3 | 10.8 | 10.7 | 11.1 | 11.4 |
| | 12H | 11.2 | 11.6 | 11.5 | 11.9 | 12.3 | 11.2 | 11.7 | 11.6 | 12.0 | 12.3 |
| 4H | 2H | 6.6 | 7.2 | 6.9 | 7.4 | 7.7 | 6.7 | 7.2 | 7.0 | 7.5 | 7.7 |
| | 3H | 8.1 | 8.6 | 8.4 | 8.9 | 9.2 | 8.1 | 8.6 | 8.5 | 8.9 | 9.2 |
| | 4H | 9.2 | 9.6 | 9.6 | 10.0 | 10.3 | 9.3 | 9.7 | 9.6 | 10.0 | 10.4 |
| | 6H | 10.7 | 11.1 | 11.1 | 11.4 | 11.8 | 10.7 | 11.1 | 11.1 | 11.5 | 11.9 |
| | 8H | 11.6 | 11.9 | 12.0 | 12.3 | 12.7 | 11.6 | 12.0 | 12.1 | 12.4 | 12.8 |
| | 12H | 12.6 | 13.0 | 13.1 | 13.4 | 13.8 | 12.7 | 13.0 | 13.1 | 13.4 | 13.9 |
| 8H | 4H | 9.7 | 10.0 | 10.1 | 10.4 | 10.9 | 9.7 | 10.1 | 10.2 | 10.5 | 10.9 |
| | 6H | 11.5 | 11.8 | 11.9 | 12.2 | 12.7 | 11.5 | 11.8 | 12.0 | 12.3 | 12.7 |
| | 8H | 12.6 | 12.9 | 13.1 | 13.3 | 13.8 | 12.6 | 12.9 | 13.1 | 13.3 | 13.8 |
| | 12H | 13.9 | 14.1 | 14.4 | 14.6 | 15.1 | 13.9 | 14.2 | 14.4 | 14.6 | 15.2 |
| 12H | 4H | 9.8 | 10.1 | 10.3 | 10.6 | 11.0 | 9.9 | 10.2 | 10.3 | 10.6 | 11.1 |
| | 6H | 11.7 | 12.0 | 12.2 | 12.5 | 13.0 | 11.8 | 12.0 | 12.3 | 12.5 | 13.0 |
| | 8H | 12.9 | 13.2 | 13.5 | 13.7 | 14.2 | 13.0 | 13.2 | 13.5 | 13.7 | 14.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.3 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |
| 1.5H | + 0.5 / - 0.2 | | | | | + 0.4 / - 0.2 | | | | | |
| 2.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | | |

CIE Pub.117 Corrected 2965 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

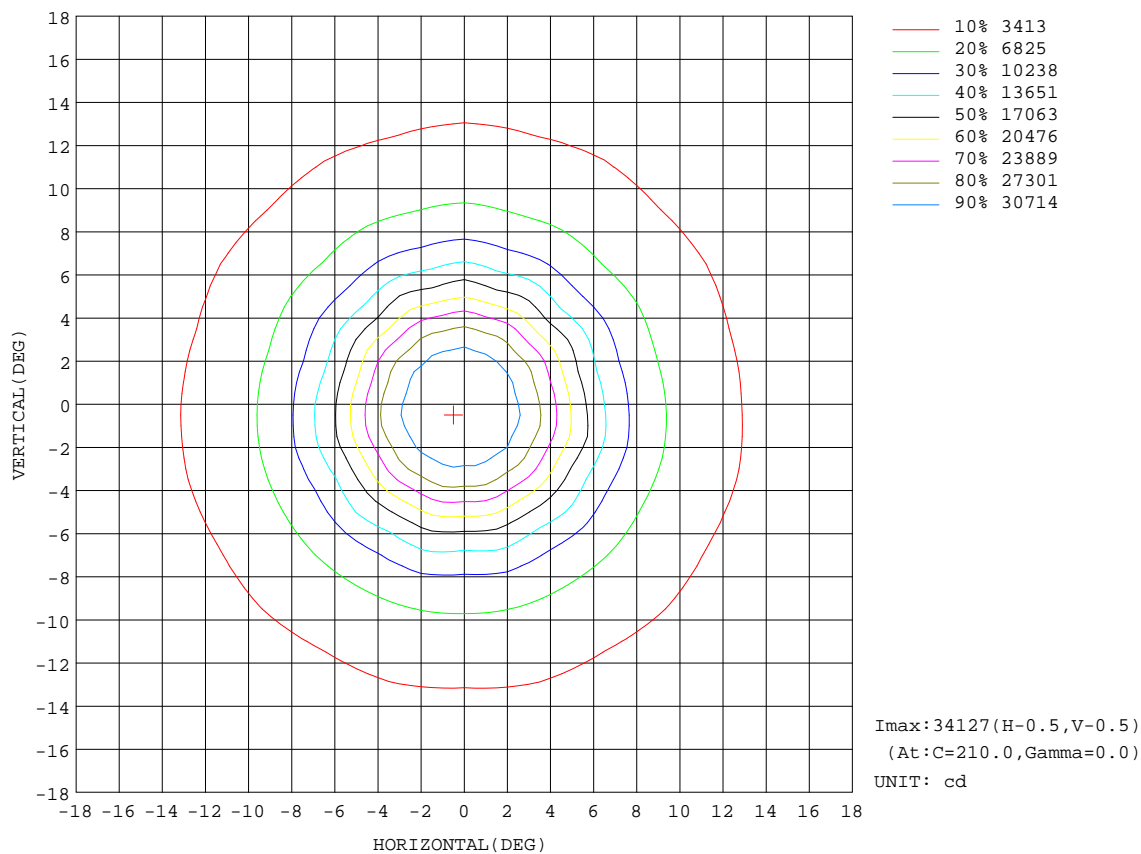
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 89 | 83 | 79 | 88 | 83 | 79 | 87 | 82 | 79 | 76 |
| 0.80 | 96 | 90 | 87 | 95 | 90 | 87 | 94 | 89 | 86 | 82 |
| 1.00 | 100 | 94 | 91 | 99 | 94 | 91 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 98 | 95 | 100 | 96 | 94 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 99 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 106 | 103 | 101 | 94 |
| 4.00 | 113 | 111 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 115 | 112 | 111 | 112 | 110 | 109 | 108 | 106 | 105 | 97 |
| 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:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

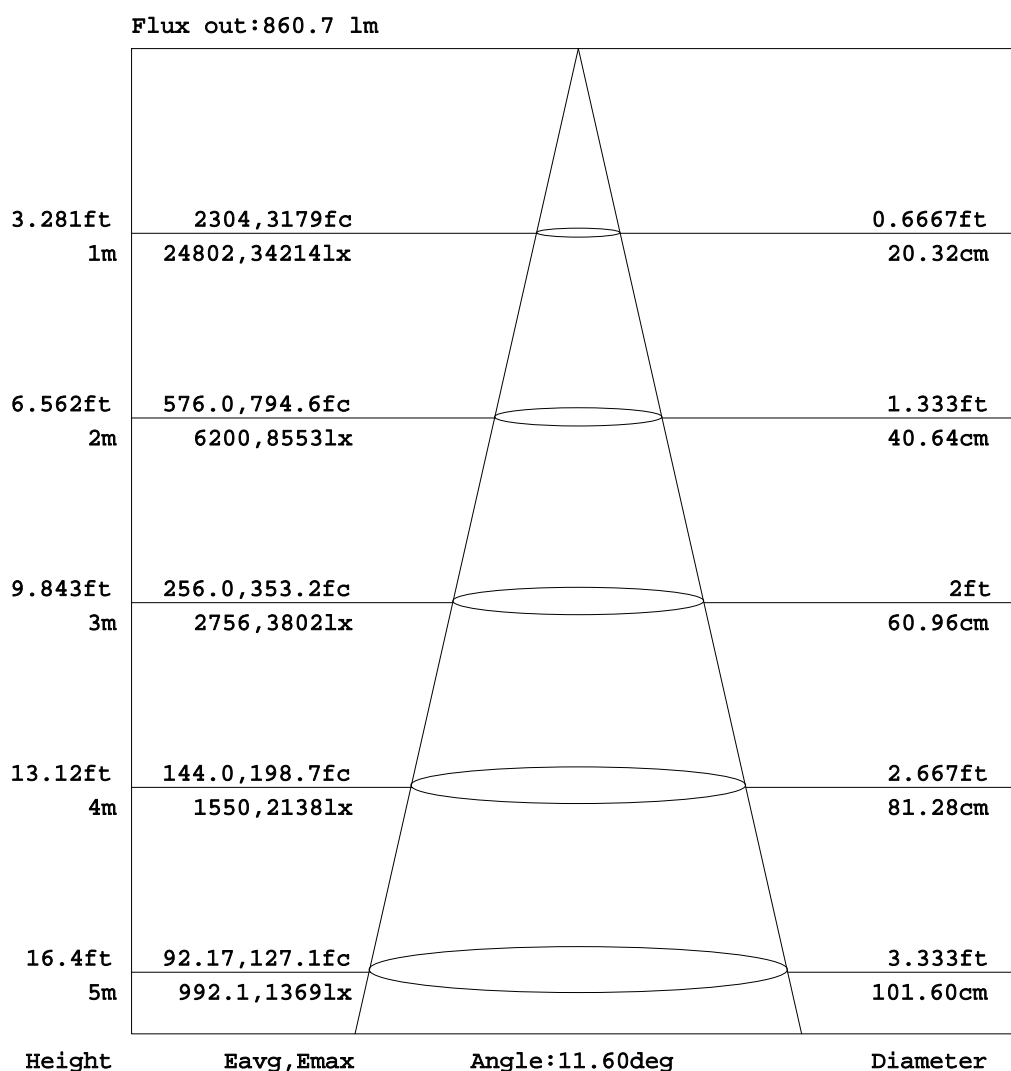


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



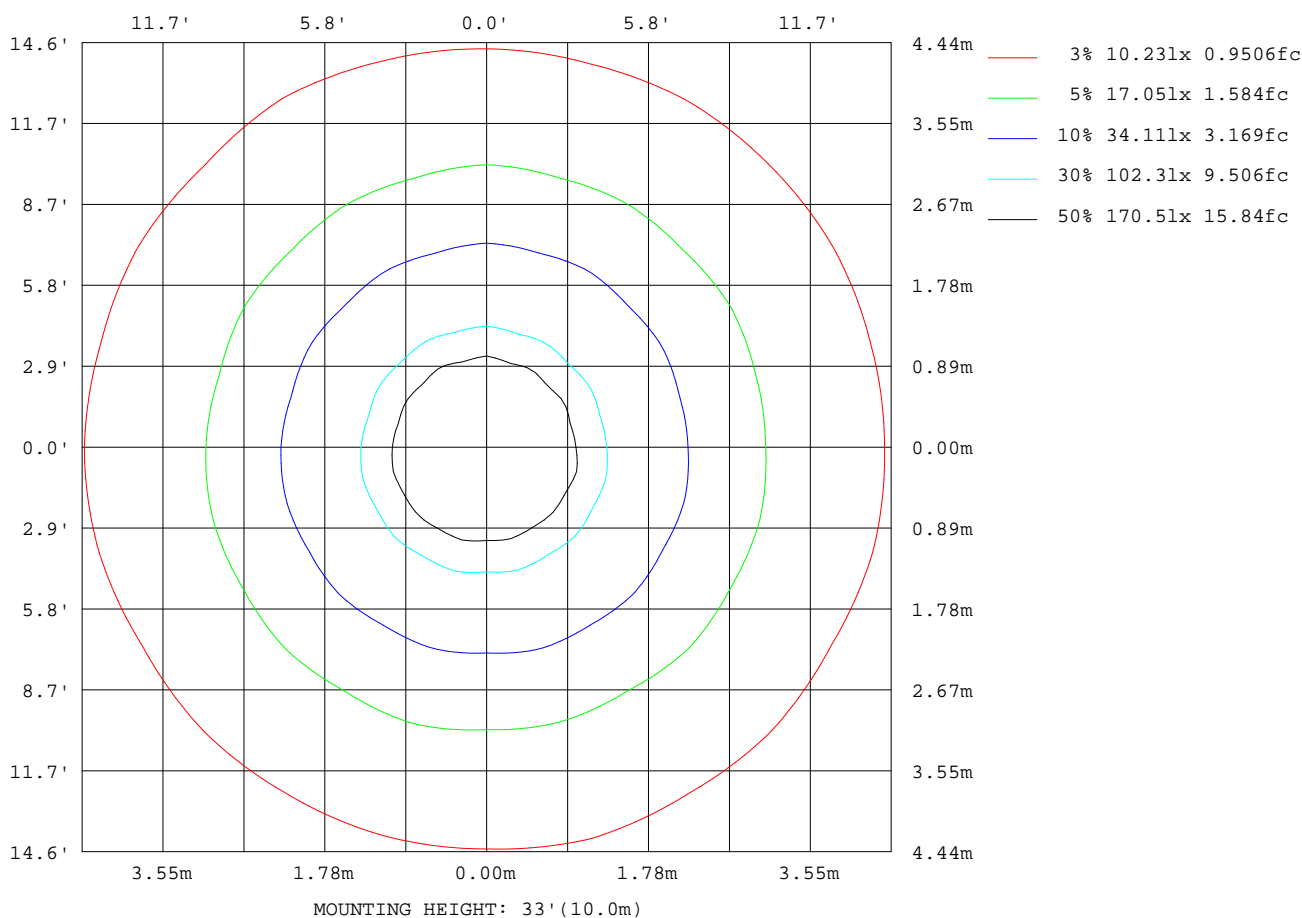
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

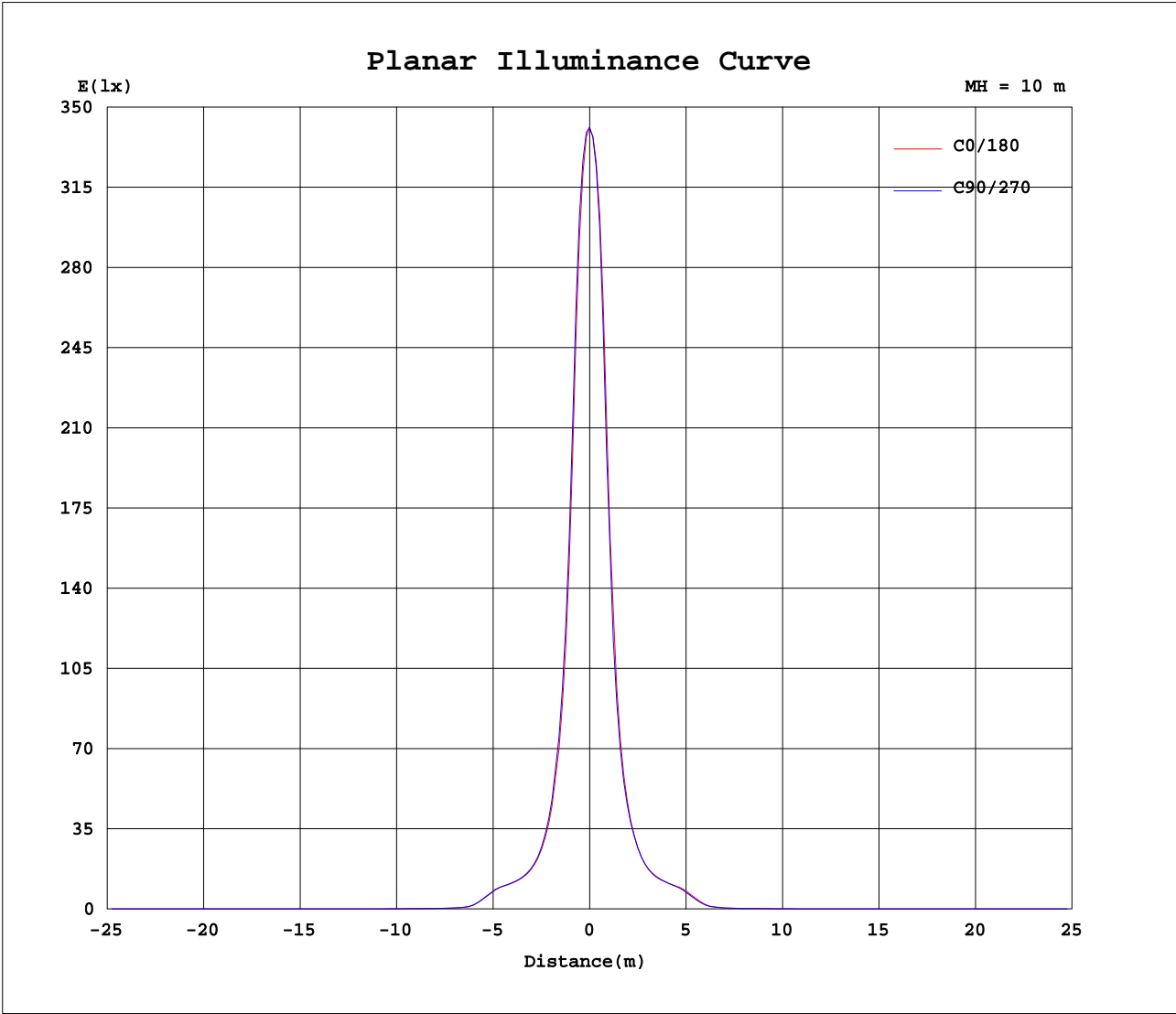
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.590m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | | | | | | | | | | | | | | | | | | |
| NAME: | | | | | | | | | | TYPE: | | | | | WEIGHT: | | | | |
| DIM.: | | | | | | | | | | SPEC.: | | | | | SERIAL No.: | | | | |
| MFR.: Rayconn | | | | | | | | | | SUR.: | | | | | PROTECTION ANGLE: | | | | |

Table--1

UNIT: ×10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 | 3415 |
| 5 | 2007 | 2088 | 2062 | 2137 | 2110 | 2181 | 2144 | 2223 | 2185 | 2252 | 2191 | 2242 | 2183 | 2070 | 2126 | 2014 | 2069 | 1968 | 2028 |
| 10 | 602 | 606 | 617 | 624 | 636 | 638 | 643 | 643 | 650 | 651 | 648 | 637 | 618 | 605 | 601 | 592 | 593 | 587 | 587 |
| 15 | 247 | 254 | 253 | 261 | 254 | 260 | 254 | 260 | 254 | 260 | 254 | 258 | 254 | 243 | 251 | 242 | 250 | 244 | 254 |
| 20 | 155 | 157 | 156 | 158 | 157 | 159 | 158 | 160 | 157 | 159 | 156 | 158 | 157 | 154 | 157 | 154 | 158 | 157 | 159 |
| 25 | 126 | 127 | 126 | 128 | 127 | 129 | 128 | 128 | 127 | 128 | 125 | 127 | 128 | 126 | 127 | 125 | 128 | 123 | 123 |
| 30 | 44.5 | 48.4 | 46.1 | 50.4 | 46.5 | 49.5 | 46.1 | 48.8 | 46.3 | 50.5 | 45.4 | 47.8 | 48.1 | 44.3 | 46.5 | 43.3 | 44.6 | 39.9 | 41.7 |
| 35 | 8.88 | 9.12 | 8.79 | 9.08 | 8.77 | 9.07 | 8.75 | 9.47 | 9.36 | 9.65 | 9.17 | 9.51 | 9.31 | 8.93 | 9.22 | 8.78 | 9.34 | 9.04 | 9.21 |
| 40 | 4.85 | 4.77 | 4.64 | 4.64 | 4.57 | 4.57 | 4.52 | 4.80 | 4.92 | 4.93 | 4.73 | 4.86 | 4.85 | 4.77 | 4.75 | 4.74 | 4.92 | 4.87 | 4.79 |
| 45 | 2.59 | 2.60 | 2.53 | 2.61 | 2.63 | 2.81 | 2.84 | 3.07 | 3.05 | 3.02 | 2.83 | 2.92 | 2.86 | 2.74 | 2.76 | 2.66 | 2.80 | 2.72 | 2.78 |
| 50 | 1.32 | 1.30 | 1.31 | 1.31 | 1.31 | 1.34 | 1.36 | 1.37 | 1.36 | 1.38 | 1.39 | 1.44 | 1.40 | 1.35 | 1.34 | 1.33 | 1.34 | 1.31 | 1.34 |
| 55 | 1.07 | 1.05 | 1.06 | 1.06 | 1.07 | 1.07 | 1.08 | 1.08 | 1.10 | 1.09 | 1.10 | 1.12 | 1.07 | 1.05 | 1.05 | 1.06 | 1.05 | 1.03 | 1.04 |
| 60 | 1.03 | 1.00 | 1.01 | 1.01 | 1.02 | 1.01 | 1.03 | 1.02 | 1.03 | 1.02 | 1.02 | 1.03 | 0.98 | 0.97 | 0.98 | 0.98 | 0.97 | 0.97 | 0.97 |
| 65 | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | 1.02 | 1.01 | 1.01 | 1.00 | 1.01 | 1.01 | 0.97 | 0.97 | 0.97 | 0.97 | 0.98 | 0.97 | 0.96 |
| 70 | 0.97 | 0.96 | 0.97 | 0.96 | 0.97 | 0.98 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.98 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.94 |
| 75 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 | 0.88 | 0.88 | 0.87 | 0.88 | 0.88 | 0.88 | 0.87 |
| 80 | 0.85 | 0.85 | 0.86 | 0.85 | 0.86 | 0.85 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 | 0.88 | 0.85 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.83 |
| 85 | 0.79 | 0.78 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.79 | 0.80 | 0.80 | 0.83 | 0.84 | 0.82 | 0.81 | 0.80 | 0.79 | 0.79 | 0.79 | 0.79 |
| 90 | 0.63 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.63 | 0.64 | 0.70 | 0.73 | 0.77 | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 95 | 0.48 | 0.46 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.48 | 0.51 | 0.54 | 0.76 | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 100 | 0.39 | 0.38 | 0.39 | 0.38 | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.40 | 0.40 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 |
| 105 | 0.47 | 0.46 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.45 | 0.46 | 0.45 | 0.46 | 0.46 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 110 | 0.60 | 0.59 | 0.60 | 0.59 | 0.60 | 0.59 | 0.60 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |
| 115 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.66 | 0.67 | 0.66 | 0.67 | 0.66 | 0.67 | 0.66 | 0.82 | 0.83 | 0.82 | 0.82 | 0.82 | 0.82 | 0.83 |
| 120 | 0.74 | 0.73 | 0.74 | 0.73 | 0.74 | 0.73 | 0.74 | 0.73 | 0.74 | 0.73 | 0.73 | 0.73 | 0.89 | 0.90 | 0.90 | 0.90 | 0.89 | 0.90 | 0.90 |
| 125 | 0.89 | 0.87 | 0.89 | 0.87 | 0.88 | 0.87 | 0.88 | 0.87 | 0.88 | 0.87 | 0.88 | 0.87 | 1.03 | 1.04 | 1.04 | 1.04 | 1.04 | 1.05 | 1.04 |
| 130 | 1.23 | 1.20 | 1.22 | 1.20 | 1.21 | 1.19 | 1.21 | 1.18 | 1.20 | 1.18 | 1.20 | 1.19 | 1.32 | 1.33 | 1.33 | 1.34 | 1.33 | 1.34 | 1.34 |
| 135 | 1.73 | 1.70 | 1.72 | 1.69 | 1.71 | 1.68 | 1.70 | 1.68 | 1.70 | 1.68 | 1.70 | 1.69 | 1.75 | 1.77 | 1.76 | 1.77 | 1.77 | 1.78 | 1.77 |
| 140 | 2.08 | 2.06 | 2.08 | 2.06 | 2.07 | 2.06 | 2.07 | 2.06 | 2.07 | 2.06 | 2.07 | 2.06 | 2.10 | 2.11 | 2.11 | 2.11 | 2.11 | 2.12 | 2.11 |
| 145 | 2.28 | 2.26 | 2.27 | 2.26 | 2.27 | 2.26 | 2.27 | 2.26 | 2.27 | 2.26 | 2.27 | 2.27 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 |
| 150 | 2.40 | 2.39 | 2.40 | 2.39 | 2.40 | 2.39 | 2.40 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 |
| 155 | 2.50 | 2.48 | 2.49 | 2.48 | 2.49 | 2.48 | 2.49 | 2.48 | 2.49 | 2.48 | 2.49 | 2.49 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 |
| 160 | 2.56 | 2.55 | 2.56 | 2.55 | 2.56 | 2.55 | 2.56 | 2.55 | 2.55 | 2.55 | 2.55 | 2.55 | 2.57 | 2.56 | 2.57 | 2.56 | 2.57 | 2.56 | 2.57 |
| 165 | 2.59 | 2.59 | 2.59 | 2.58 | 2.59 | 2.58 | 2.59 | 2.58 | 2.59 | 2.58 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 |
| 170 | 2.58 | 2.57 | 2.58 | 2.57 | 2.58 | 2.57 | 2.58 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.59 | 2.58 | 2.59 | 2.58 | 2.58 | 2.57 | 2.58 |
| 175 | 2.39 | 2.39 | 2.39 | 2.39 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.39 | 2.39 | 2.45 | 2.44 | 2.44 | 2.43 | 2.43 | 2.42 | 2.42 |
| 180 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 | 2.22 | 2.22 | 2.22 | 2.22 | 2.21 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.23 | 2.23 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9600 Lamp Flux:2964.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 3415 | 3415 | 3415 | 3415 | 3415 | | | | | | | | | | | | | | |
| 5 | 1927 | 1989 | 1905 | 1982 | 1925 | | | | | | | | | | | | | | |
| 10 | 579 | 579 | 576 | 581 | 582 | | | | | | | | | | | | | | |
| 15 | 247 | 253 | 244 | 250 | 243 | | | | | | | | | | | | | | |
| 20 | 155 | 157 | 155 | 157 | 155 | | | | | | | | | | | | | | |
| 25 | 122 | 126 | 125 | 127 | 126 | | | | | | | | | | | | | | |
| 30 | 37.6 | 41.6 | 39.3 | 43.6 | 42.8 | | | | | | | | | | | | | | |
| 35 | 8.53 | 8.43 | 8.31 | 8.79 | 8.64 | | | | | | | | | | | | | | |
| 40 | 4.61 | 4.60 | 4.68 | 4.81 | 4.81 | | | | | | | | | | | | | | |
| 45 | 2.62 | 2.62 | 2.48 | 2.58 | 2.51 | | | | | | | | | | | | | | |
| 50 | 1.30 | 1.26 | 1.23 | 1.26 | 1.26 | | | | | | | | | | | | | | |
| 55 | 1.03 | 1.01 | 1.00 | 1.02 | 1.02 | | | | | | | | | | | | | | |
| 60 | 0.96 | 0.95 | 0.96 | 0.97 | 0.97 | | | | | | | | | | | | | | |
| 65 | 0.95 | 0.96 | 0.96 | 0.96 | 0.97 | | | | | | | | | | | | | | |
| 70 | 0.94 | 0.93 | 0.93 | 0.93 | 0.93 | | | | | | | | | | | | | | |
| 75 | 0.87 | 0.86 | 0.86 | 0.86 | 0.86 | | | | | | | | | | | | | | |
| 80 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | | | | | | | | | | | | | | |
| 85 | 0.79 | 0.78 | 0.79 | 0.80 | 0.81 | | | | | | | | | | | | | | |
| 90 | 0.74 | 0.73 | 0.73 | 0.76 | 0.78 | | | | | | | | | | | | | | |
| 95 | 0.74 | 0.73 | 0.73 | 0.77 | 0.79 | | | | | | | | | | | | | | |
| 100 | 0.75 | 0.74 | 0.74 | 0.75 | 0.76 | | | | | | | | | | | | | | |
| 105 | 0.75 | 0.75 | 0.75 | 0.75 | 0.76 | | | | | | | | | | | | | | |
| 110 | 0.78 | 0.78 | 0.78 | 0.78 | 0.79 | | | | | | | | | | | | | | |
| 115 | 0.83 | 0.82 | 0.83 | 0.82 | 0.83 | | | | | | | | | | | | | | |
| 120 | 0.90 | 0.89 | 0.90 | 0.89 | 0.90 | | | | | | | | | | | | | | |
| 125 | 1.05 | 1.04 | 1.05 | 1.04 | 1.05 | | | | | | | | | | | | | | |
| 130 | 1.35 | 1.34 | 1.35 | 1.34 | 1.35 | | | | | | | | | | | | | | |
| 135 | 1.79 | 1.77 | 1.79 | 1.77 | 1.79 | | | | | | | | | | | | | | |
| 140 | 2.12 | 2.11 | 2.12 | 2.11 | 2.12 | | | | | | | | | | | | | | |
| 145 | 2.31 | 2.31 | 2.32 | 2.31 | 2.32 | | | | | | | | | | | | | | |
| 150 | 2.44 | 2.44 | 2.44 | 2.44 | 2.45 | | | | | | | | | | | | | | |
| 155 | 2.52 | 2.52 | 2.52 | 2.52 | 2.53 | | | | | | | | | | | | | | |
| 160 | 2.56 | 2.56 | 2.57 | 2.56 | 2.57 | | | | | | | | | | | | | | |
| 165 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | | | | | | | | | | | | | | |
| 170 | 2.57 | 2.58 | 2.58 | 2.58 | 2.58 | | | | | | | | | | | | | | |
| 175 | 2.41 | 2.41 | 2.41 | 2.41 | 2.42 | | | | | | | | | | | | | | |
| 180 | 2.22 | 2.22 | 2.22 | 2.22 | 2.21 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.590m [K=1.0000]
Remarks: