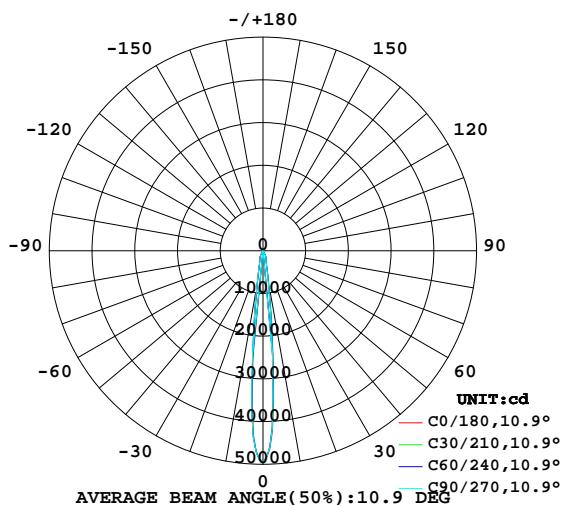


LUMINAIRE PHOTOMETRIC TEST REPORT

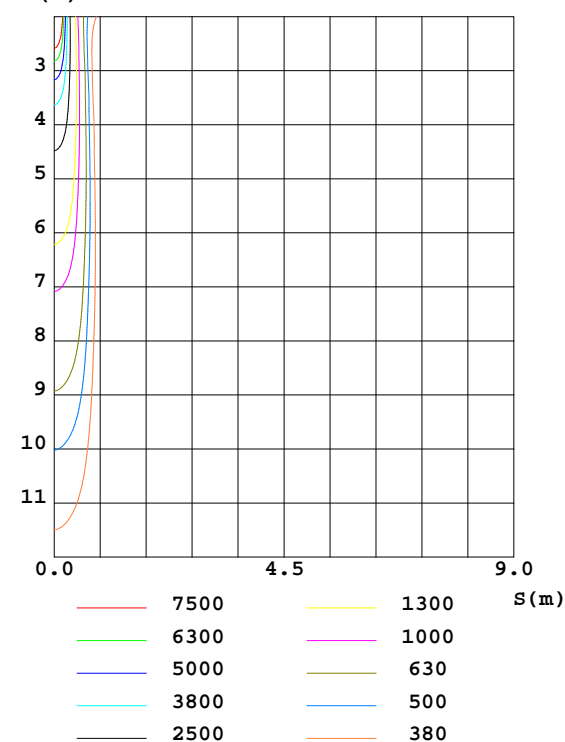
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 102.06 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|-------------------|----------|
| MODEL | TL18-40W-830-W-12 | Imax(cd) | 49394 | S/MH(C0/180) | 0.19 |
| NOMINAL POWER(W) | 40 | LOR(%) | 100.0 | S/MH(C90/270) | 0.18 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 3970.2 | η UP,DN(C0-180) | 1.3,47.5 |
| NOMINAL FLUX(lm) | 3970.25 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.8 |
| LAMPS INSIDE | 1 | η up(%) | 2.7 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.3 | 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:2016-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
 Humidity:65.0%
 Test Distance:6.610m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | ℓlum, lamp |
|-----|--------------------------|--------|--------|--------|--------|-------|-------|--------|---------|---------|---------|------------|
| 10 | 770.2 | 746.5 | 701.8 | 734.0 | 762.9 | 759.0 | 814.1 | 779.2 | 0- 10 | 1970 | 1970 | 49.6,49.6 |
| 20 | 206.5 | 208.8 | 205.3 | 203.7 | 208.4 | 211.2 | 212.6 | 210.5 | 10- 20 | 982.1 | 2952 | 74.4,74.4 |
| 30 | 61.41 | 60.38 | 54.96 | 56.61 | 60.94 | 67.27 | 71.88 | 63.41 | 20- 30 | 702.1 | 3654 | 92,92 |
| 40 | 7.317 | 7.448 | 7.148 | 6.650 | 7.152 | 7.997 | 8.106 | 7.626 | 30- 40 | 113.2 | 3767 | 94.9,94.9 |
| 50 | 2.495 | 2.624 | 2.399 | 2.323 | 2.423 | 2.628 | 2.566 | 2.708 | 40- 50 | 34.45 | 3802 | 95.8,95.8 |
| 60 | 1.834 | 1.894 | 1.769 | 1.752 | 1.747 | 1.813 | 1.789 | 1.863 | 50- 60 | 18.48 | 3820 | 96.2,96.2 |
| 70 | 1.597 | 1.649 | 1.566 | 1.570 | 1.546 | 1.597 | 1.567 | 1.581 | 60- 70 | 16.93 | 3837 | 96.7,96.7 |
| 80 | 1.286 | 1.307 | 1.277 | 1.284 | 1.256 | 1.290 | 1.261 | 1.270 | 70- 80 | 14.95 | 3852 | 97,97 |
| 90 | 0.8465 | 0.8694 | 0.8368 | 0.8355 | 0.9929 | 1.044 | 1.010 | 0.9891 | 80- 90 | 12.47 | 3865 | 97.3,97.3 |
| 100 | 0.5259 | 0.5360 | 0.5255 | 0.5177 | 1.006 | 1.030 | 1.004 | 1.002 | 90-100 | 9.059 | 3874 | 97.6,97.6 |
| 110 | 0.8265 | 0.8276 | 0.8378 | 0.8246 | 1.062 | 1.069 | 1.058 | 1.059 | 100-110 | 8.897 | 3883 | 97.8,97.8 |
| 120 | 1.007 | 1.005 | 1.016 | 1.004 | 1.216 | 1.219 | 1.207 | 1.210 | 110-120 | 10.15 | 3893 | 98,98 |
| 130 | 1.637 | 1.642 | 1.679 | 1.643 | 1.790 | 1.784 | 1.753 | 1.769 | 120-130 | 11.93 | 3905 | 98.4,98.4 |
| 140 | 2.800 | 2.806 | 2.820 | 2.798 | 2.847 | 2.834 | 2.819 | 2.826 | 130-140 | 17.82 | 3923 | 98.8,98.8 |
| 150 | 3.220 | 3.224 | 3.229 | 3.216 | 3.284 | 3.268 | 3.267 | 3.266 | 140-150 | 19.19 | 3942 | 99.3,99.3 |
| 160 | 3.424 | 3.425 | 3.432 | 3.424 | 3.455 | 3.438 | 3.444 | 3.439 | 150-160 | 15.50 | 3957 | 99.7,99.7 |
| 170 | 3.454 | 3.461 | 3.457 | 3.458 | 3.485 | 3.474 | 3.485 | 3.474 | 160-170 | 9.828 | 3967 | 99.9,99.9 |
| 180 | 2.943 | 2.953 | 2.965 | 2.979 | 2.956 | 2.944 | 2.970 | 2.976 | 170-180 | 3.173 | 3970 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

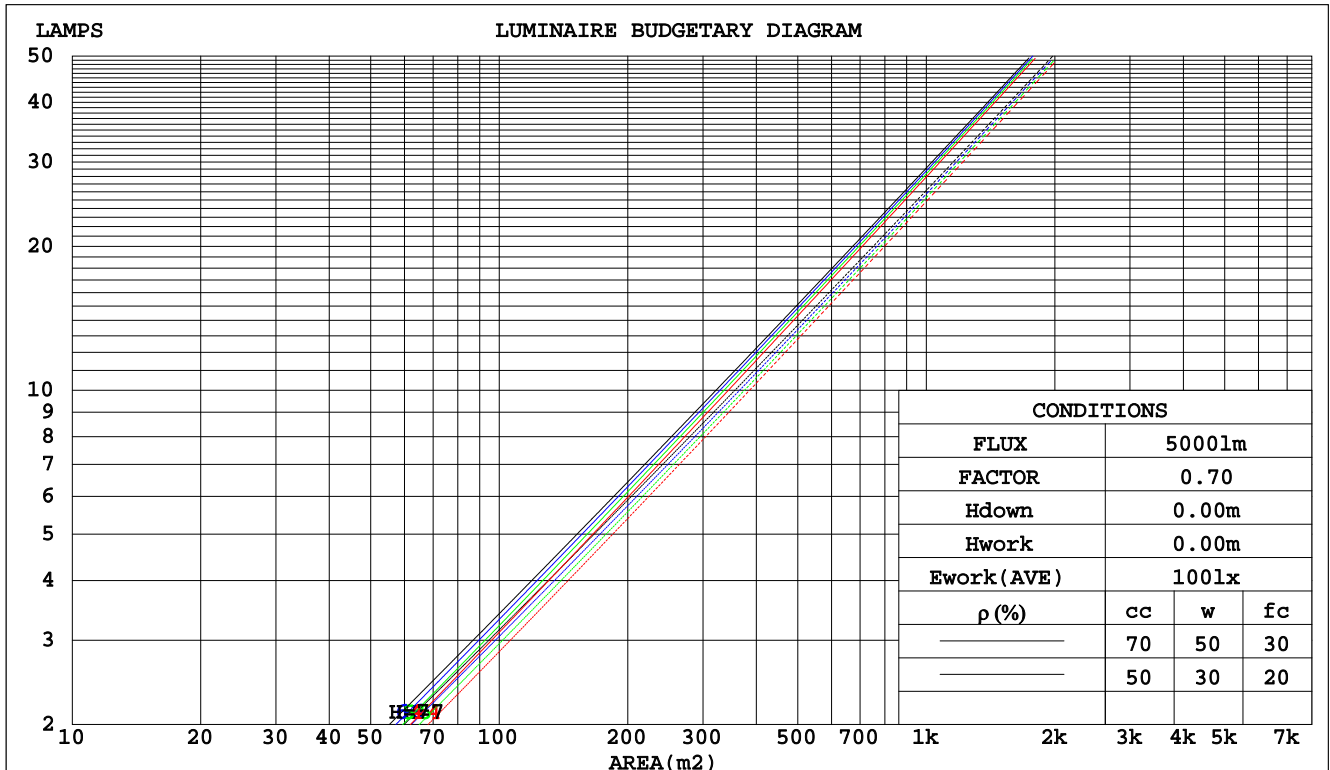
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 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 | | | | | | 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 | 1.08 | 1.10 | 1.08 | 1.07 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .97 | .97 | .96 | .94 |
| 2.0 | 1.07 | 1.04 | 1.01 | 1.05 | 1.02 | 1.00 | 1.02 | .99 | .98 | .98 | .97 | .95 | .95 | .94 | .93 | .91 |
| 3.0 | 1.03 | .99 | .96 | 1.01 | .98 | .95 | .98 | .96 | .93 | .96 | .94 | .92 | .93 | .92 | .90 | .89 |
| 4.0 | .99 | .95 | .92 | .98 | .94 | .91 | .95 | .92 | .90 | .93 | .91 | .89 | .91 | .89 | .88 | .86 |
| 5.0 | .96 | .92 | .89 | .95 | .91 | .88 | .93 | .89 | .87 | .91 | .88 | .86 | .89 | .87 | .85 | .84 |
| 6.0 | .93 | .89 | .86 | .92 | .88 | .85 | .90 | .87 | .85 | .89 | .86 | .84 | .87 | .85 | .83 | .82 |
| 7.0 | .90 | .86 | .83 | .89 | .86 | .83 | .88 | .85 | .82 | .87 | .84 | .82 | .86 | .83 | .81 | .80 |
| 8.0 | .88 | .84 | .81 | .87 | .83 | .81 | .86 | .83 | .80 | .85 | .82 | .80 | .84 | .81 | .79 | .78 |
| 9.0 | .85 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .78 | .83 | .80 | .78 | .82 | .80 | .78 | .77 |
| 10.0 | .83 | .80 | .77 | .83 | .79 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .81 | .78 | .76 | .75 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|---|--|--------|--|-------------------|--|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 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 | .139 | .079 | .025 | .132 | .075 | .024 | .118 | .067 | .022 | .105 | .060 | .019 | .093 | .054 | .017 | |
| 2.0 | .127 | .070 | .021 | .121 | .066 | .020 | .109 | .061 | .019 | .098 | .055 | .017 | .089 | .050 | .016 | |
| 3.0 | .117 | .062 | .019 | .112 | .060 | .018 | .102 | .055 | .017 | .093 | .051 | .016 | .085 | .047 | .014 | |
| 4.0 | .109 | .056 | .017 | .104 | .055 | .016 | .096 | .051 | .015 | .088 | .047 | .014 | .081 | .044 | .013 | |
| 5.0 | .101 | .052 | .015 | .098 | .050 | .015 | .090 | .047 | .014 | .084 | .044 | .013 | .077 | .041 | .012 | |
| 6.0 | .095 | .048 | .014 | .092 | .046 | .013 | .086 | .044 | .013 | .080 | .041 | .012 | .074 | .039 | .012 | |
| 7.0 | .090 | .044 | .013 | .087 | .043 | .012 | .081 | .041 | .012 | .076 | .039 | .011 | .071 | .037 | .011 | |
| 8.0 | .085 | .042 | .012 | .083 | .041 | .011 | .078 | .039 | .011 | .073 | .037 | .011 | .069 | .035 | .010 | |
| 9.0 | .081 | .039 | .011 | .079 | .038 | .011 | .074 | .037 | .010 | .070 | .035 | .010 | .066 | .034 | .010 | |
| 10.0 | .077 | .037 | .010 | .075 | .036 | .010 | .071 | .035 | .010 | .067 | .033 | .010 | .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 | .162 | .153 | .145 | .111 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | |
| 2.0 | .171 | .153 | .139 | .146 | .132 | .120 | .100 | .091 | .084 | .058 | .053 | .049 | .019 | .017 | .016 | |
| 3.0 | .156 | .134 | .117 | .133 | .116 | .101 | .092 | .080 | .071 | .053 | .047 | .042 | .017 | .015 | .014 | |
| 4.0 | .143 | .119 | .100 | .123 | .102 | .087 | .084 | .071 | .061 | .049 | .042 | .036 | .016 | .014 | .012 | |
| 5.0 | .132 | .106 | .087 | .114 | .092 | .076 | .078 | .064 | .054 | .045 | .038 | .032 | .015 | .012 | .010 | |
| 6.0 | .123 | .096 | .077 | .106 | .083 | .067 | .073 | .058 | .047 | .042 | .034 | .028 | .014 | .011 | .009 | |
| 7.0 | .115 | .088 | .069 | .099 | .076 | .060 | .068 | .054 | .043 | .040 | .032 | .025 | .013 | .010 | .008 | |
| 8.0 | .108 | .081 | .063 | .093 | .070 | .055 | .065 | .049 | .039 | .038 | .029 | .023 | .012 | .010 | .008 | |
| 9.0 | .103 | .076 | .057 | .088 | .066 | .050 | .061 | .046 | .035 | .036 | .027 | .021 | .012 | .009 | .007 | |
| 10.0 | .097 | .071 | .053 | .084 | .061 | .046 | .058 | .043 | .033 | .034 | .026 | .020 | .011 | .008 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 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 | 8.5 | 9.1 | 8.7 | 9.2 | 9.4 | 8.1 | 8.8 | 8.4 | 8.9 | 9.1 | |
| | 3H | 9.8 | 10.3 | 10.0 | 10.6 | 10.8 | 9.5 | 10.0 | 9.7 | 10.3 | 10.5 |
| | 4H | 10.6 | 11.2 | 10.9 | 11.4 | 11.7 | 10.4 | 10.9 | 10.7 | 11.2 | 11.4 |
| | 6H | 11.7 | 12.2 | 12.1 | 12.5 | 12.8 | 11.5 | 12.0 | 11.8 | 12.3 | 12.6 |
| | 8H | 12.4 | 12.9 | 12.7 | 13.2 | 13.5 | 12.2 | 12.7 | 12.5 | 13.0 | 13.3 |
| | 12H | 13.2 | 13.7 | 13.5 | 14.0 | 14.3 | 13.0 | 13.4 | 13.3 | 13.7 | 14.1 |
| 4H | 2H | 8.8 | 9.4 | 9.1 | 9.6 | 9.9 | 8.6 | 9.1 | 8.9 | 9.3 | 9.6 |
| | 3H | 10.5 | 11.0 | 10.8 | 11.3 | 11.6 | 10.2 | 10.7 | 10.6 | 11.0 | 11.3 |
| | 4H | 11.6 | 12.0 | 11.9 | 12.3 | 12.7 | 11.3 | 11.8 | 11.7 | 12.1 | 12.5 |
| | 6H | 12.9 | 13.3 | 13.3 | 13.7 | 14.1 | 12.7 | 13.1 | 13.1 | 13.5 | 13.9 |
| | 8H | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 | 13.5 | 13.9 | 14.0 | 14.3 | 14.7 |
| | 12H | 14.7 | 15.0 | 15.1 | 15.4 | 15.9 | 14.5 | 14.8 | 14.9 | 15.2 | 15.7 |
| 8H | 4H | 12.0 | 12.4 | 12.5 | 12.8 | 13.2 | 11.9 | 12.2 | 12.3 | 12.6 | 13.0 |
| | 6H | 13.7 | 14.0 | 14.2 | 14.4 | 14.9 | 13.5 | 13.8 | 14.0 | 14.3 | 14.7 |
| | 8H | 14.7 | 15.0 | 15.2 | 15.4 | 15.9 | 14.5 | 14.8 | 15.0 | 15.2 | 15.7 |
| | 12H | 15.9 | 16.1 | 16.4 | 16.6 | 17.1 | 15.7 | 15.9 | 16.2 | 16.4 | 16.9 |
| 12H | 4H | 12.1 | 12.5 | 12.6 | 12.9 | 13.3 | 12.0 | 12.3 | 12.4 | 12.7 | 13.2 |
| | 6H | 13.9 | 14.2 | 14.4 | 14.6 | 15.1 | 13.7 | 14.0 | 14.2 | 14.5 | 15.0 |
| | 8H | 15.0 | 15.3 | 15.5 | 15.8 | 16.3 | 14.9 | 15.1 | 15.4 | 15.6 | 16.1 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | | |
| 1.5H | + 0.4 / - 0.2 | | | | | + 0.3 / - 0.2 | | | | | |
| 2.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | | |

CIE Pub.117 Corrected 3970 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

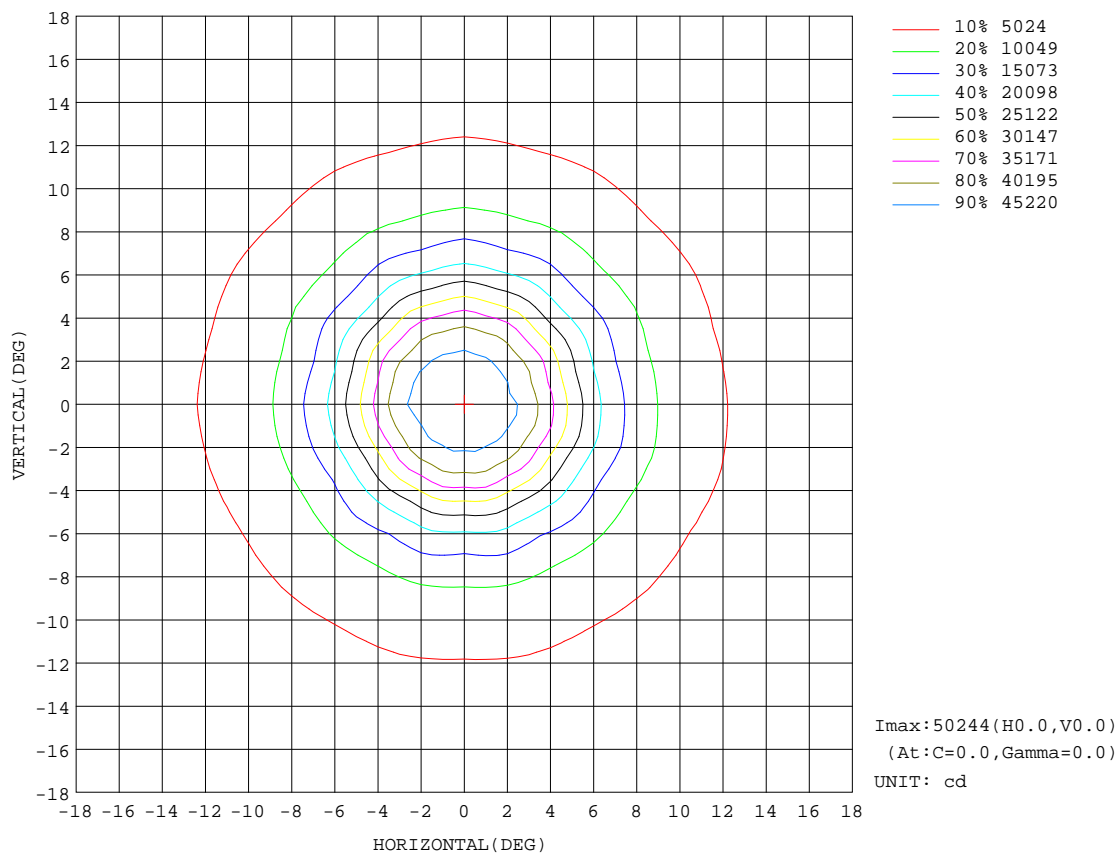
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 88 | 82 | 79 | 88 | 82 | 79 | 87 | 82 | 79 | 75 |
| 0.80 | 95 | 90 | 86 | 95 | 90 | 86 | 93 | 89 | 86 | 82 |
| 1.00 | 99 | 94 | 91 | 98 | 93 | 90 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 106 | 101 | 98 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 106 | 103 | 100 | 103 | 100 | 98 | 92 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 104 | 102 | 100 | 93 |
| 3.00 | 111 | 108 | 105 | 109 | 106 | 104 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 109 | 107 | 107 | 105 | 104 | 96 |
| 5.00 | 114 | 112 | 110 | 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:2016-07-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

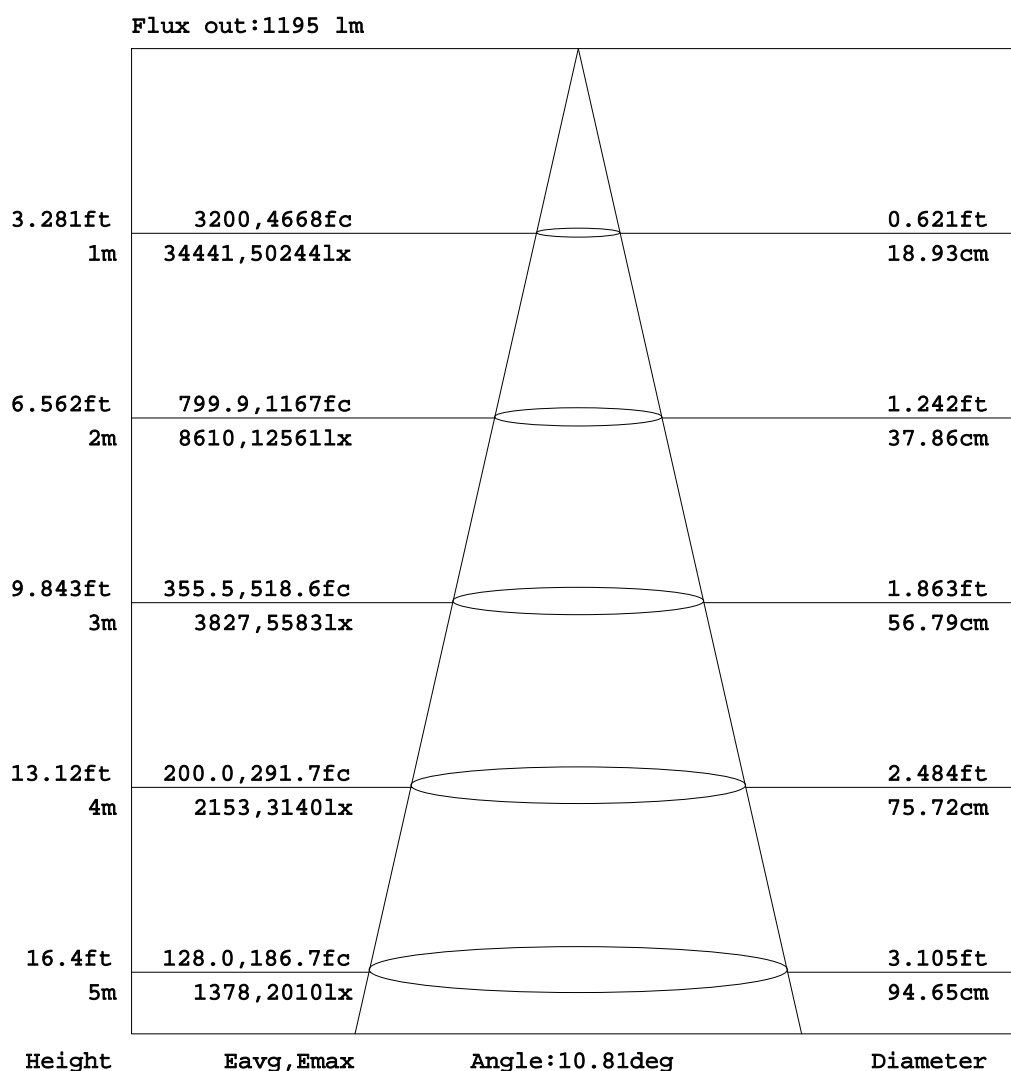


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



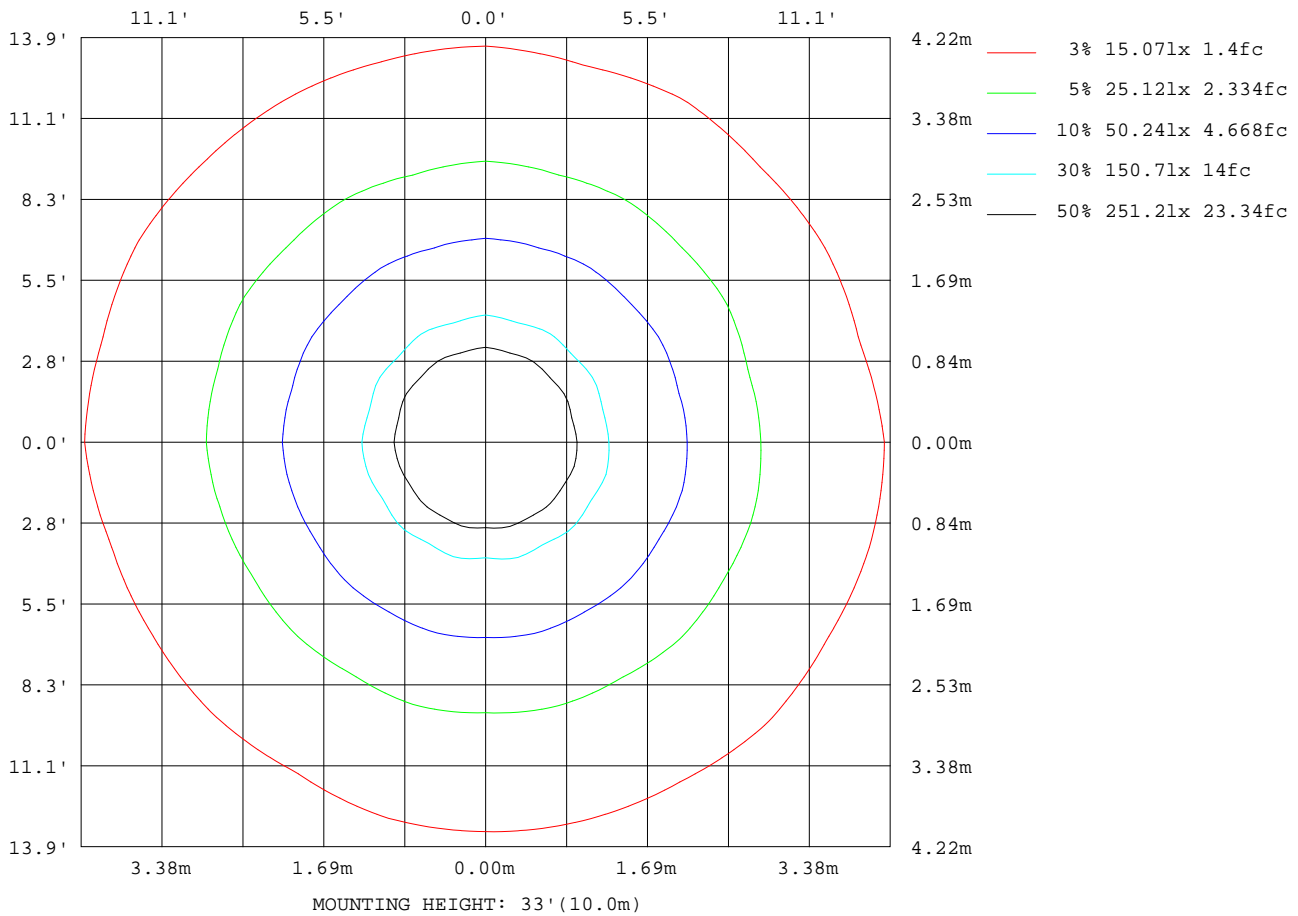
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

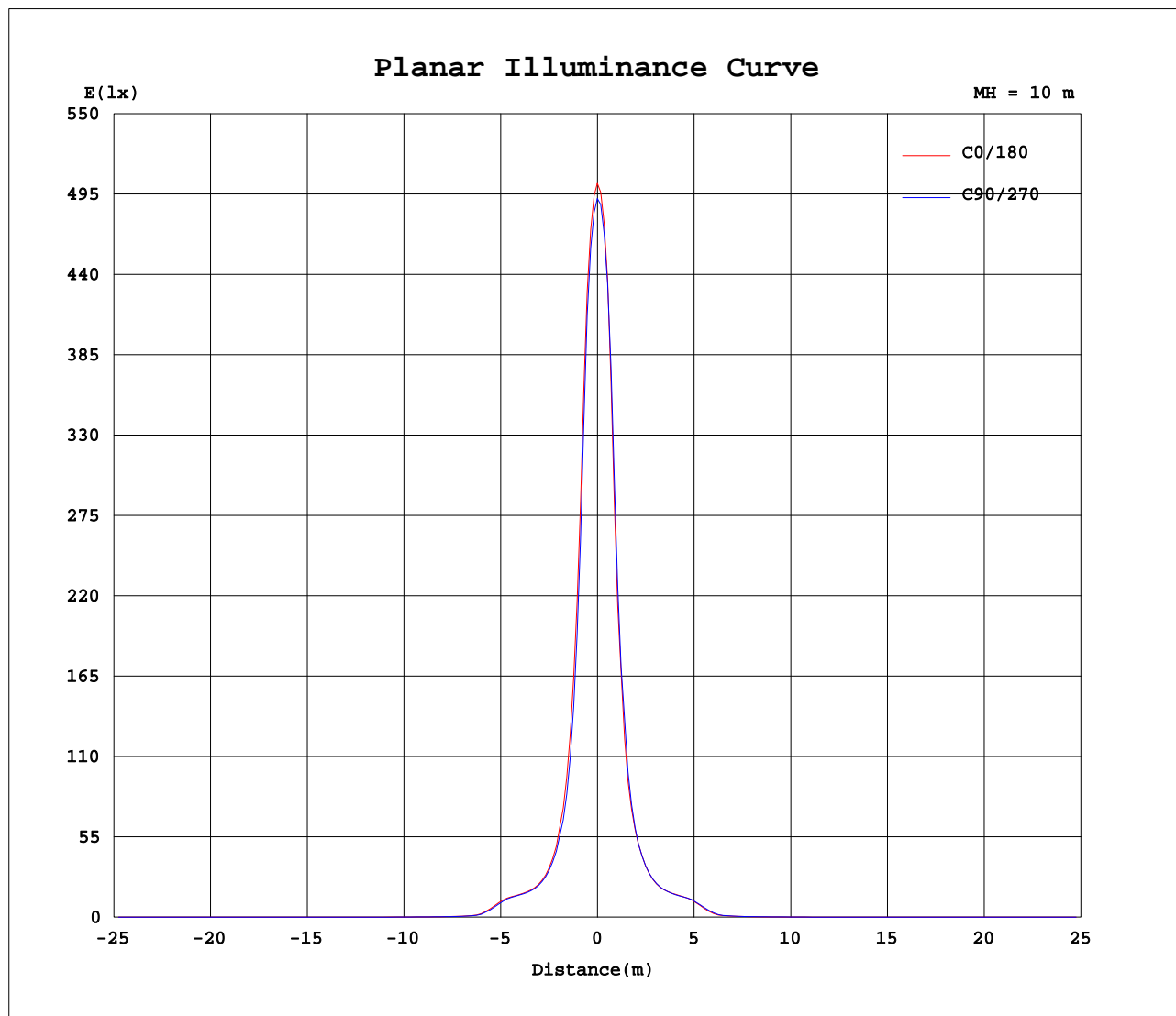
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
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γ Range: 0 - 180DEG
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 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 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 | 4939 |
| 5 | 2796 | 2832 | 2705 | 2744 | 2640 | 2699 | 2610 | 2694 | 2622 | 2725 | 2675 | 2800 | 2816 | 2756 | 2929 | 2850 | 3004 | 2899 | 3030 |
| 10 | 770 | 781 | 738 | 746 | 713 | 726 | 702 | 723 | 706 | 734 | 718 | 753 | 763 | 742 | 787 | 759 | 803 | 772 | 814 |
| 15 | 315 | 321 | 313 | 319 | 309 | 314 | 309 | 315 | 304 | 312 | 308 | 321 | 328 | 321 | 333 | 323 | 333 | 322 | 336 |
| 20 | 206 | 209 | 208 | 209 | 206 | 207 | 205 | 205 | 201 | 204 | 206 | 207 | 208 | 209 | 214 | 211 | 214 | 210 | 213 |
| 25 | 173 | 175 | 171 | 175 | 172 | 171 | 171 | 172 | 169 | 172 | 171 | 173 | 173 | 172 | 175 | 173 | 174 | 174 | 177 |
| 30 | 61.4 | 63.2 | 59.0 | 60.4 | 57.1 | 57.1 | 55.0 | 56.8 | 54.4 | 56.6 | 56.1 | 59.6 | 60.9 | 62.2 | 67.8 | 67.3 | 70.5 | 67.5 | 71.9 |
| 35 | 13.3 | 14.1 | 13.3 | 14.1 | 13.0 | 12.8 | 12.2 | 12.5 | 12.1 | 12.5 | 12.0 | 12.8 | 13.7 | 13.4 | 15.0 | 14.6 | 15.3 | 14.3 | 15.2 |
| 40 | 7.32 | 7.34 | 7.39 | 7.45 | 7.49 | 7.17 | 7.15 | 6.91 | 6.71 | 6.65 | 6.51 | 6.84 | 7.15 | 7.40 | 7.96 | 8.00 | 8.01 | 7.93 | 8.11 |
| 45 | 4.22 | 4.29 | 4.18 | 4.26 | 4.08 | 4.06 | 3.93 | 3.96 | 3.84 | 3.84 | 3.75 | 3.98 | 4.12 | 4.20 | 4.53 | 4.45 | 4.48 | 4.36 | 4.60 |
| 50 | 2.49 | 2.53 | 2.58 | 2.62 | 2.51 | 2.43 | 2.40 | 2.37 | 2.32 | 2.32 | 2.35 | 2.42 | 2.42 | 2.48 | 2.63 | 2.63 | 2.58 | 2.52 | 2.57 |
| 55 | 2.02 | 2.05 | 2.10 | 2.13 | 2.06 | 1.98 | 1.93 | 1.91 | 1.93 | 1.94 | 1.93 | 1.96 | 1.93 | 1.98 | 2.07 | 2.07 | 2.02 | 2.00 | 2.03 |
| 60 | 1.83 | 1.85 | 1.88 | 1.89 | 1.85 | 1.79 | 1.77 | 1.75 | 1.75 | 1.75 | 1.77 | 1.79 | 1.75 | 1.77 | 1.81 | 1.81 | 1.78 | 1.78 | 1.79 |
| 65 | 1.76 | 1.77 | 1.79 | 1.80 | 1.77 | 1.72 | 1.71 | 1.69 | 1.69 | 1.69 | 1.69 | 1.71 | 1.67 | 1.69 | 1.72 | 1.72 | 1.69 | 1.68 | 1.69 |
| 70 | 1.60 | 1.62 | 1.64 | 1.65 | 1.62 | 1.58 | 1.57 | 1.55 | 1.56 | 1.57 | 1.57 | 1.59 | 1.55 | 1.57 | 1.60 | 1.60 | 1.57 | 1.56 | 1.57 |
| 75 | 1.40 | 1.42 | 1.44 | 1.44 | 1.42 | 1.40 | 1.39 | 1.38 | 1.39 | 1.39 | 1.40 | 1.41 | 1.38 | 1.39 | 1.42 | 1.42 | 1.40 | 1.38 | 1.39 |
| 80 | 1.29 | 1.30 | 1.31 | 1.31 | 1.30 | 1.27 | 1.28 | 1.27 | 1.28 | 1.28 | 1.29 | 1.30 | 1.26 | 1.27 | 1.29 | 1.29 | 1.27 | 1.25 | 1.26 |
| 85 | 1.13 | 1.13 | 1.33 | 1.18 | 1.14 | 1.12 | 1.12 | 1.12 | 1.12 | 1.13 | 1.13 | 1.14 | 1.15 | 1.16 | 1.35 | 1.34 | 1.18 | 1.15 | 1.16 |
| 90 | 0.85 | 0.85 | 0.90 | 0.87 | 0.86 | 0.83 | 0.84 | 0.83 | 0.83 | 0.84 | 0.83 | 0.85 | 0.9929 | 0.9972 | 1.08 | 1.04 | 1.03 | 1.00 | 1.01 |
| 95 | 0.64 | 0.64 | 0.69 | 0.66 | 0.64 | 0.62 | 0.63 | 0.62 | 0.62 | 0.62 | 0.62 | 0.63 | 0.9964 | 0.9993 | 1.07 | 1.04 | 1.01 | 1.00 | 1.00 |
| 100 | 0.53 | 0.52 | 0.55 | 0.54 | 0.53 | 0.52 | 0.53 | 0.52 | 0.52 | 0.52 | 0.52 | 0.52 | 1.01 | 1.01 | 1.04 | 1.03 | 1.01 | 1.00 | 1.00 |
| 105 | 0.64 | 0.64 | 0.66 | 0.65 | 0.66 | 0.64 | 0.66 | 0.64 | 0.65 | 0.64 | 0.65 | 0.64 | 1.02 | 1.02 | 1.03 | 1.03 | 1.02 | 1.02 | 1.02 |
| 110 | 0.83 | 0.82 | 0.84 | 0.83 | 0.84 | 0.83 | 0.84 | 0.83 | 0.83 | 0.82 | 0.84 | 0.83 | 1.06 | 1.07 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| 115 | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.92 | 0.92 | 0.91 | 0.92 | 0.91 | 0.92 | 0.92 | 1.12 | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 | 1.12 |
| 120 | 1.01 | 1.00 | 1.01 | 1.00 | 1.02 | 1.01 | 1.02 | 1.00 | 1.01 | 1.00 | 1.01 | 1.00 | 1.22 | 1.22 | 1.22 | 1.22 | 1.21 | 1.21 | 1.21 |
| 125 | 1.19 | 1.19 | 1.20 | 1.19 | 1.21 | 1.20 | 1.21 | 1.19 | 1.21 | 1.19 | 1.21 | 1.19 | 1.40 | 1.41 | 1.40 | 1.40 | 1.39 | 1.39 | 1.38 |
| 130 | 1.64 | 1.63 | 1.66 | 1.64 | 1.67 | 1.65 | 1.68 | 1.65 | 1.67 | 1.64 | 1.66 | 1.63 | 1.79 | 1.80 | 1.78 | 1.78 | 1.76 | 1.77 | 1.75 |
| 135 | 2.32 | 2.31 | 2.34 | 2.33 | 2.35 | 2.34 | 2.36 | 2.33 | 2.35 | 2.32 | 2.34 | 2.31 | 2.39 | 2.39 | 2.37 | 2.38 | 2.35 | 2.36 | 2.34 |
| 140 | 2.80 | 2.80 | 2.81 | 2.81 | 2.82 | 2.81 | 2.82 | 2.80 | 2.82 | 2.80 | 2.81 | 2.79 | 2.85 | 2.85 | 2.84 | 2.83 | 2.83 | 2.83 | 2.82 |
| 145 | 3.05 | 3.06 | 3.06 | 3.06 | 3.07 | 3.06 | 3.06 | 3.05 | 3.06 | 3.05 | 3.06 | 3.05 | 3.11 | 3.11 | 3.10 | 3.10 | 3.10 | 3.09 | 3.09 |
| 150 | 3.22 | 3.22 | 3.23 | 3.22 | 3.23 | 3.22 | 3.23 | 3.22 | 3.23 | 3.22 | 3.22 | 3.21 | 3.28 | 3.28 | 3.28 | 3.27 | 3.27 | 3.27 | 3.27 |
| 155 | 3.34 | 3.34 | 3.35 | 3.34 | 3.35 | 3.34 | 3.35 | 3.34 | 3.35 | 3.34 | 3.34 | 3.34 | 3.39 | 3.38 | 3.39 | 3.38 | 3.38 | 3.37 | 3.38 |
| 160 | 3.42 | 3.43 | 3.43 | 3.43 | 3.43 | 3.42 | 3.43 | 3.42 | 3.43 | 3.42 | 3.43 | 3.42 | 3.45 | 3.44 | 3.45 | 3.44 | 3.45 | 3.43 | 3.44 |
| 165 | 3.47 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.47 | 3.48 | 3.47 | 3.48 | 3.47 | 3.49 | 3.48 | 3.49 | 3.47 | 3.48 | 3.47 | 3.48 |
| 170 | 3.45 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.46 | 3.49 | 3.47 | 3.49 | 3.47 | 3.49 | 3.47 | 3.48 |
| 175 | 3.20 | 3.21 | 3.19 | 3.20 | 3.19 | 3.19 | 3.19 | 3.20 | 3.20 | 3.21 | 3.21 | 3.22 | 3.28 | 3.26 | 3.28 | 3.27 | 3.29 | 3.28 | 3.30 |
| 180 | 2.94 | 2.95 | 2.95 | 2.95 | 2.95 | 2.96 | 2.97 | 2.97 | 2.98 | 2.98 | 2.98 | 2.99 | 2.96 | 2.94 | 2.96 | 2.94 | 2.96 | 2.95 | 2.97 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:38.90W PF:0.9490 Lamp Flux:3970.25x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| γ (DEC) | | | | | | | | | | | | | | | | | | | |
| 0 | 4939 | 4939 | 4939 | 4939 | 4939 | | | | | | | | | | | | | | |
| 5 | 2898 | 2995 | 2847 | 2926 | 2777 | | | | | | | | | | | | | | |
| 10 | 780 | 820 | 779 | 812 | 767 | | | | | | | | | | | | | | |
| 15 | 323 | 333 | 322 | 329 | 315 | | | | | | | | | | | | | | |
| 20 | 209 | 213 | 211 | 213 | 207 | | | | | | | | | | | | | | |
| 25 | 171 | 175 | 169 | 173 | 171 | | | | | | | | | | | | | | |
| 30 | 65.5 | 69.0 | 63.4 | 64.9 | 60.4 | | | | | | | | | | | | | | |
| 35 | 14.4 | 15.1 | 13.8 | 14.4 | 13.4 | | | | | | | | | | | | | | |
| 40 | 7.98 | 7.90 | 7.63 | 7.27 | 7.30 | | | | | | | | | | | | | | |
| 45 | 4.54 | 4.69 | 4.47 | 4.38 | 4.21 | | | | | | | | | | | | | | |
| 50 | 2.55 | 2.66 | 2.71 | 2.69 | 2.52 | | | | | | | | | | | | | | |
| 55 | 2.03 | 2.11 | 2.14 | 2.11 | 2.01 | | | | | | | | | | | | | | |
| 60 | 1.79 | 1.84 | 1.86 | 1.85 | 1.80 | | | | | | | | | | | | | | |
| 65 | 1.69 | 1.71 | 1.73 | 1.72 | 1.71 | | | | | | | | | | | | | | |
| 70 | 1.57 | 1.58 | 1.58 | 1.58 | 1.56 | | | | | | | | | | | | | | |
| 75 | 1.39 | 1.40 | 1.39 | 1.39 | 1.38 | | | | | | | | | | | | | | |
| 80 | 1.26 | 1.27 | 1.27 | 1.26 | 1.25 | | | | | | | | | | | | | | |
| 85 | 1.15 | 1.15 | 1.15 | 1.14 | 1.14 | | | | | | | | | | | | | | |
| 90 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | | | | | | | | | | | | | | |
| 95 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 | | | | | | | | | | | | | | |
| 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.01 | | | | | | | | | | | | | | |
| 105 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | | | | | | | | | | | | | | |
| 110 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | | | | | | | | | | | | | | |
| 115 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | | | | | | | | | | | | | | |
| 120 | 1.21 | 1.21 | 1.21 | 1.21 | 1.22 | | | | | | | | | | | | | | |
| 125 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | | | | | | | | | | | | | | |
| 130 | 1.77 | 1.75 | 1.77 | 1.76 | 1.78 | | | | | | | | | | | | | | |
| 135 | 2.36 | 2.35 | 2.36 | 2.35 | 2.38 | | | | | | | | | | | | | | |
| 140 | 2.82 | 2.82 | 2.83 | 2.82 | 2.84 | | | | | | | | | | | | | | |
| 145 | 3.09 | 3.09 | 3.09 | 3.09 | 3.10 | | | | | | | | | | | | | | |
| 150 | 3.26 | 3.26 | 3.27 | 3.27 | 3.27 | | | | | | | | | | | | | | |
| 155 | 3.37 | 3.38 | 3.38 | 3.38 | 3.38 | | | | | | | | | | | | | | |
| 160 | 3.43 | 3.44 | 3.44 | 3.44 | 3.44 | | | | | | | | | | | | | | |
| 165 | 3.47 | 3.48 | 3.47 | 3.48 | 3.48 | | | | | | | | | | | | | | |
| 170 | 3.47 | 3.48 | 3.47 | 3.48 | 3.48 | | | | | | | | | | | | | | |
| 175 | 3.29 | 3.31 | 3.29 | 3.30 | 3.29 | | | | | | | | | | | | | | |
| 180 | 2.96 | 2.98 | 2.98 | 2.99 | 2.99 | | | | | | | | | | | | | | |

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C Interval: 15.0DEC
Test Speed: HIGH
Temperature:25.3DEC
Operators:ZhangXiao
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