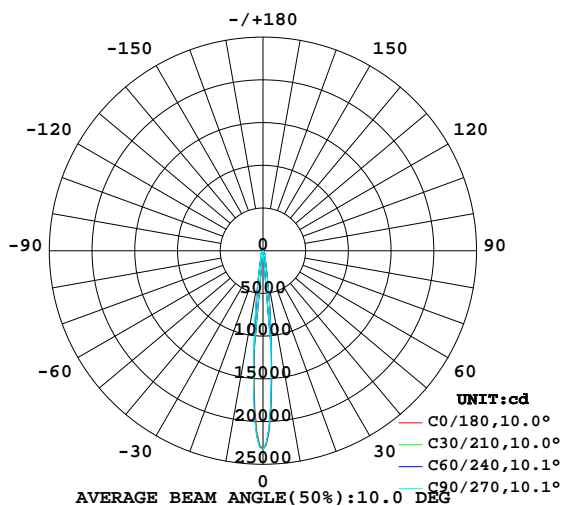


LUMINAIRE PHOTOMETRIC TEST REPORT

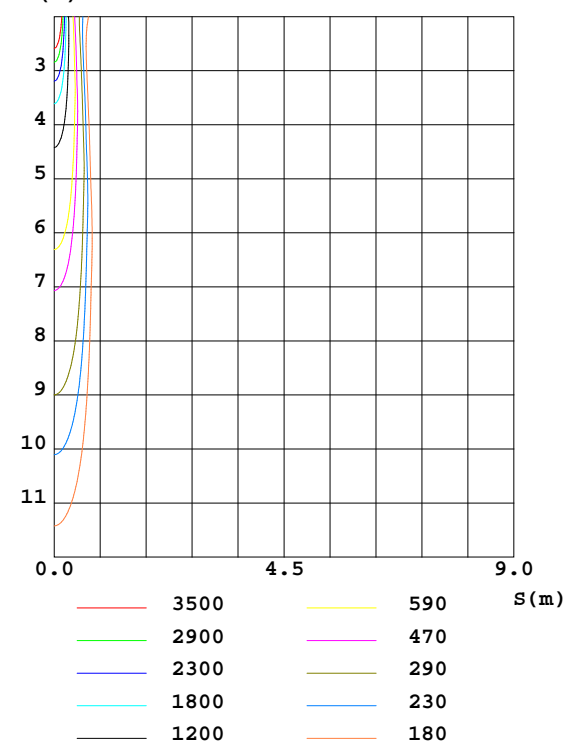
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 84.66 lm/W | | | |
|------------------|-------------------|----------------------------------|--------|-------------------|----------|
| MODEL | RL06-20W-940-W-10 | Imax(cd) | 23269 | S/MH(C0/180) | 0.17 |
| NOMINAL POWER(W) | 20 | LOR(%) | 100.0 | S/MH(C90/270) | 0.17 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 1684.8 | η UP,DN(C0-180) | 1.2,47.7 |
| NOMINAL FLUX(lm) | 1684.76 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.7 |
| 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:2016-09-06

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 | 272.7 | 283.6 | 260.4 | 272.5 | 284.2 | 289.8 | 311.4 | 274.8 | 0- 10 | 823.0 | 823.0 | 48.9,48.9 |
| 20 | 78.52 | 79.91 | 78.27 | 80.34 | 81.28 | 81.34 | 83.19 | 79.54 | 10- 20 | 351.1 | 1174 | 69.7,69.7 |
| 30 | 58.60 | 57.69 | 54.89 | 58.42 | 59.52 | 58.18 | 59.87 | 57.98 | 20- 30 | 318.9 | 1493 | 88.6,88.6 |
| 40 | 2.492 | 2.524 | 2.517 | 2.700 | 2.599 | 2.601 | 2.848 | 2.619 | 30- 40 | 111.6 | 1605 | 95.2,95.2 |
| 50 | 0.8639 | 0.8465 | 0.8612 | 0.8677 | 0.8604 | 0.8763 | 0.8664 | 0.7993 | 40- 50 | 10.66 | 1615 | 95.9,95.9 |
| 60 | 0.7892 | 0.7968 | 0.8023 | 0.8006 | 0.7902 | 0.7830 | 0.7892 | 0.7394 | 50- 60 | 7.124 | 1622 | 96.3,96.3 |
| 70 | 0.6525 | 0.6511 | 0.6552 | 0.6479 | 0.6425 | 0.6382 | 0.6495 | 0.6286 | 60- 70 | 7.411 | 1630 | 96.7,96.7 |
| 80 | 0.5517 | 0.5478 | 0.5374 | 0.5277 | 0.5263 | 0.5266 | 0.5351 | 0.5300 | 70- 80 | 6.122 | 1636 | 97.1,97.1 |
| 90 | 0.3384 | 0.3441 | 0.3370 | 0.3344 | 0.3991 | 0.4189 | 0.3965 | 0.3973 | 80- 90 | 5.141 | 1641 | 97.4,97.4 |
| 100 | 0.2071 | 0.2086 | 0.2076 | 0.2053 | 0.4063 | 0.4094 | 0.4061 | 0.4056 | 90-100 | 3.640 | 1645 | 97.6,97.6 |
| 110 | 0.3557 | 0.3546 | 0.3612 | 0.3578 | 0.4445 | 0.4448 | 0.4417 | 0.4447 | 100-110 | 3.687 | 1648 | 97.8,97.8 |
| 120 | 0.4185 | 0.4179 | 0.4233 | 0.4216 | 0.5107 | 0.5104 | 0.5068 | 0.5099 | 110-120 | 4.285 | 1653 | 98.1,98.1 |
| 130 | 0.6685 | 0.6700 | 0.6818 | 0.6710 | 0.7352 | 0.7333 | 0.7249 | 0.7338 | 120-130 | 4.923 | 1658 | 98.4,98.4 |
| 140 | 1.163 | 1.161 | 1.166 | 1.165 | 1.177 | 1.173 | 1.171 | 1.174 | 130-140 | 7.383 | 1665 | 98.8,98.8 |
| 150 | 1.322 | 1.324 | 1.322 | 1.361 | 1.346 | 1.344 | 1.376 | 1.344 | 140-150 | 7.968 | 1673 | 99.3,99.3 |
| 160 | 1.402 | 1.401 | 1.404 | 1.401 | 1.411 | 1.407 | 1.408 | 1.407 | 150-160 | 6.342 | 1679 | 99.7,99.7 |
| 170 | 1.450 | 1.449 | 1.450 | 1.452 | 1.457 | 1.453 | 1.455 | 1.454 | 160-170 | 4.066 | 1683 | 99.9,99.9 |
| 180 | 1.216 | 1.224 | 1.230 | 1.233 | 1.220 | 1.222 | 1.230 | 1.233 | 170-180 | 1.332 | 1685 | 100,100 |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

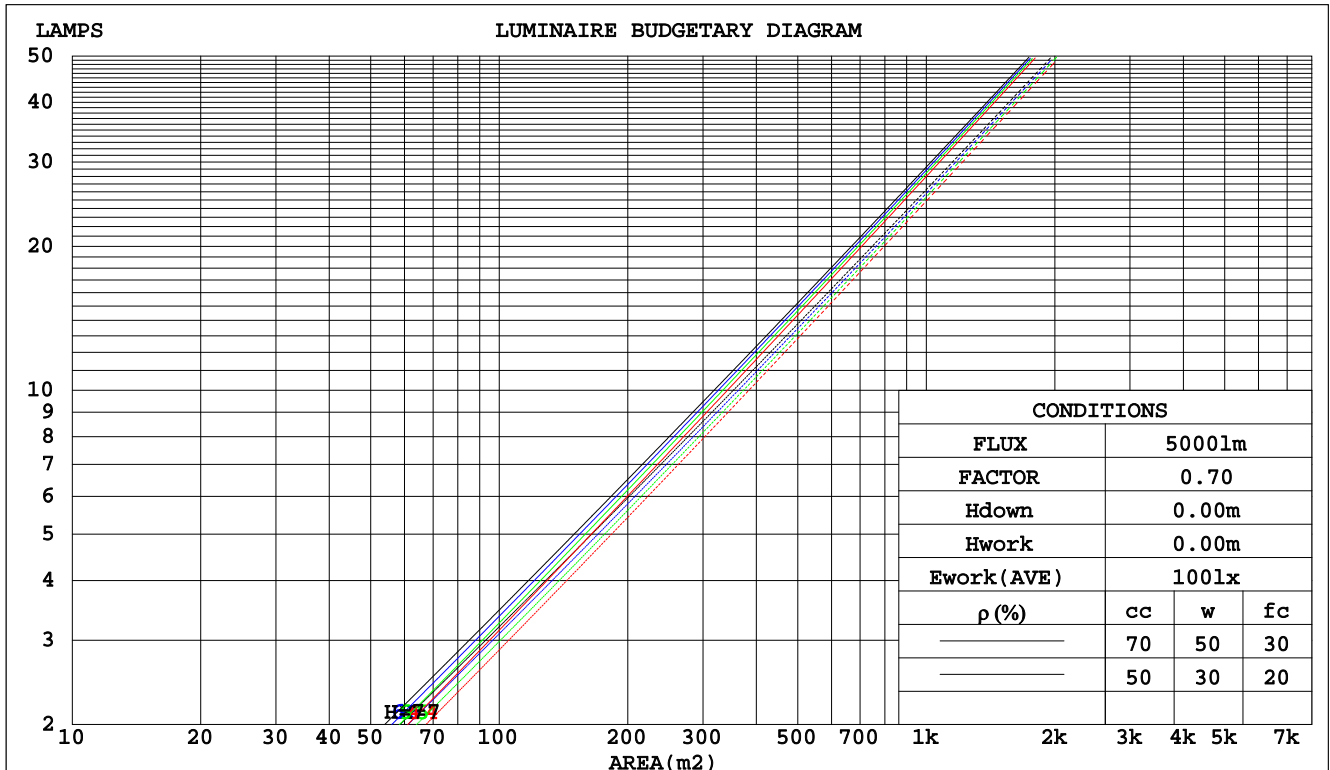
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 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 | 1.06 | 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 | .00 | 1.01 | .99 | .97 | .98 | .96 | .95 | .95 | .94 | .92 | .91 |
| 3.0 | 1.02 | .98 | .95 | 1.01 | .97 | .95 | .98 | .95 | .93 | .95 | .93 | .91 | .93 | .91 | .89 | .88 |
| 4.0 | .98 | .94 | .91 | .97 | .93 | .90 | .95 | .91 | .89 | .92 | .90 | .88 | .90 | .88 | .87 | .85 |
| 5.0 | .95 | .90 | .87 | .94 | .90 | .87 | .92 | .88 | .86 | .90 | .87 | .85 | .88 | .86 | .84 | .83 |
| 6.0 | .91 | .87 | .84 | .91 | .87 | .84 | .89 | .86 | .83 | .88 | .85 | .83 | .86 | .84 | .82 | .81 |
| 7.0 | .89 | .85 | .82 | .88 | .84 | .81 | .87 | .83 | .81 | .85 | .82 | .80 | .84 | .82 | .80 | .79 |
| 8.0 | .86 | .82 | .79 | .86 | .82 | .79 | .84 | .81 | .79 | .83 | .80 | .78 | .82 | .80 | .78 | .77 |
| 9.0 | .84 | .80 | .77 | .83 | .80 | .77 | .82 | .79 | .77 | .82 | .79 | .76 | .81 | .78 | .76 | .75 |
| 10.0 | .82 | .78 | .75 | .81 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .75 | .79 | .76 | .74 | .73 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 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 | .142 | .081 | .026 | .135 | .077 | .024 | .121 | .069 | .022 | .108 | .062 | .020 | .096 | .056 | .018 | | |
| 2.0 | .130 | .071 | .022 | .124 | .068 | .021 | .113 | .063 | .019 | .102 | .057 | .018 | .092 | .052 | .016 | | |
| 3.0 | .121 | .064 | .019 | .115 | .062 | .019 | .106 | .057 | .017 | .096 | .053 | .016 | .088 | .049 | .015 | | |
| 4.0 | .112 | .058 | .017 | .108 | .056 | .017 | .099 | .053 | .016 | .092 | .049 | .015 | .084 | .046 | .014 | | |
| 5.0 | .105 | .054 | .016 | .101 | .052 | .015 | .094 | .049 | .014 | .087 | .046 | .014 | .081 | .043 | .013 | | |
| 6.0 | .099 | .050 | .014 | .096 | .048 | .014 | .089 | .046 | .013 | .083 | .043 | .013 | .078 | .041 | .012 | | |
| 7.0 | .093 | .046 | .013 | .090 | .045 | .013 | .085 | .043 | .012 | .080 | .041 | .012 | .075 | .039 | .011 | | |
| 8.0 | .088 | .043 | .012 | .086 | .042 | .012 | .081 | .040 | .012 | .076 | .039 | .011 | .072 | .037 | .011 | | |
| 9.0 | .084 | .041 | .011 | .082 | .040 | .011 | .077 | .038 | .011 | .073 | .037 | .011 | .069 | .035 | .010 | | |
| 10.0 | .080 | .038 | .011 | .078 | .038 | .011 | .074 | .036 | .010 | .070 | .035 | .010 | .067 | .034 | .010 | | |

| 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 | .210 | .210 | .210 | .180 | .180 | .180 | .123 | .123 | .123 | .070 | .070 | .070 | .023 | .023 | .023 | | |
| 1.0 | .189 | .178 | .168 | .161 | .152 | .144 | .110 | .105 | .100 | .064 | .061 | .058 | .020 | .020 | .019 | | |
| 2.0 | .171 | .153 | .138 | .146 | .131 | .119 | .100 | .091 | .083 | .058 | .053 | .049 | .019 | .017 | .016 | | |
| 3.0 | .156 | .133 | .116 | .134 | .115 | .100 | .092 | .080 | .070 | .053 | .047 | .041 | .017 | .015 | .014 | | |
| 4.0 | .143 | .118 | .099 | .123 | .102 | .086 | .085 | .071 | .061 | .049 | .042 | .036 | .016 | .014 | .012 | | |
| 5.0 | .133 | .106 | .086 | .114 | .092 | .075 | .079 | .064 | .053 | .045 | .038 | .031 | .015 | .012 | .010 | | |
| 6.0 | .124 | .096 | .076 | .106 | .083 | .066 | .073 | .058 | .047 | .043 | .034 | .028 | .014 | .011 | .009 | | |
| 7.0 | .116 | .088 | .068 | .100 | .076 | .059 | .069 | .053 | .042 | .040 | .031 | .025 | .013 | .010 | .008 | | |
| 8.0 | .109 | .081 | .062 | .094 | .070 | .054 | .065 | .049 | .038 | .038 | .029 | .023 | .012 | .010 | .008 | | |
| 9.0 | .104 | .075 | .056 | .089 | .065 | .049 | .062 | .046 | .035 | .036 | .027 | .021 | .012 | .009 | .007 | | |
| 10.0 | .098 | .071 | .052 | .085 | .061 | .045 | .059 | .043 | .032 | .034 | .025 | .019 | .011 | .008 | .006 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 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 | 11.7 | 12.3 | 11.9 | 12.5 | 12.7 | 11.2 | 11.8 | 11.4 | 12.0 | 12.2 |
| 3H | 11.9 | 12.5 | 12.2 | 12.7 | 12.9 | 11.5 | 12.1 | 11.7 | 12.3 | 12.5 |
| 4H | 12.1 | 12.7 | 12.4 | 12.9 | 13.2 | 11.7 | 12.3 | 12.0 | 12.5 | 12.8 |
| 6H | 12.5 | 13.0 | 12.8 | 13.3 | 13.6 | 12.1 | 12.7 | 12.4 | 12.9 | 13.2 |
| 8H | 12.8 | 13.3 | 13.1 | 13.6 | 13.9 | 12.4 | 13.0 | 12.8 | 13.3 | 13.6 |
| 12H | 13.2 | 13.7 | 13.6 | 14.0 | 14.3 | 12.9 | 13.4 | 13.2 | 13.7 | 14.0 |
| 4H 2H | 11.6 | 12.1 | 11.9 | 12.4 | 12.6 | 11.1 | 11.7 | 11.4 | 11.9 | 12.2 |
| 3H | 11.9 | 12.4 | 12.3 | 12.7 | 13.0 | 11.5 | 12.0 | 11.9 | 12.3 | 12.7 |
| 4H | 12.3 | 12.8 | 12.7 | 13.1 | 13.4 | 11.9 | 12.4 | 12.3 | 12.7 | 13.1 |
| 6H | 12.9 | 13.3 | 13.3 | 13.7 | 14.1 | 12.6 | 13.0 | 13.0 | 13.4 | 13.8 |
| 8H | 13.4 | 13.8 | 13.8 | 14.2 | 14.6 | 13.1 | 13.5 | 13.5 | 13.9 | 14.3 |
| 12H | 14.0 | 14.3 | 14.4 | 14.7 | 15.2 | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 |
| 8H 4H | 12.4 | 12.8 | 12.8 | 13.2 | 13.6 | 12.1 | 12.5 | 12.5 | 12.8 | 13.3 |
| 6H | 13.3 | 13.6 | 13.8 | 14.0 | 14.5 | 13.0 | 13.3 | 13.5 | 13.8 | 14.2 |
| 8H | 13.9 | 14.2 | 14.4 | 14.7 | 15.2 | 13.7 | 14.0 | 14.2 | 14.4 | 14.9 |
| 12H | 14.8 | 15.0 | 15.3 | 15.5 | 16.0 | 14.6 | 14.9 | 15.1 | 15.3 | 15.9 |
| 12H 4H | 12.4 | 12.8 | 12.9 | 13.2 | 13.6 | 12.1 | 12.5 | 12.6 | 12.9 | 13.3 |
| 6H | 13.4 | 13.7 | 13.9 | 14.2 | 14.6 | 13.1 | 13.4 | 13.6 | 13.9 | 14.4 |
| 8H | 14.2 | 14.4 | 14.7 | 14.9 | 15.4 | 13.9 | 14.2 | 14.4 | 14.7 | 15.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.3 | | | | | + 0.4 / - 0.3 | | | | |
| 1.5H | + 0.8 / - 0.2 | | | | | + 0.8 / - 0.2 | | | | |
| 2.0H | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117 Corrected 1685 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

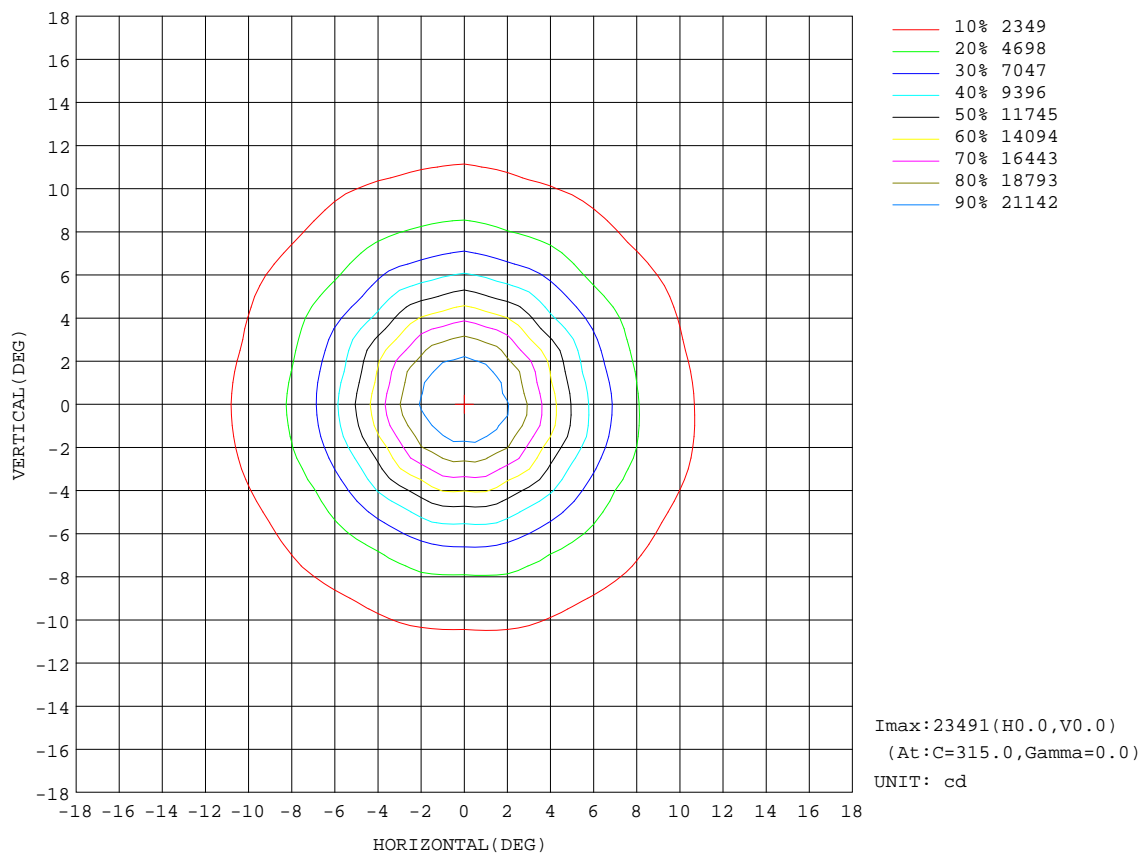
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 75 |
| 0.80 | 96 | 90 | 87 | 95 | 90 | 87 | 94 | 89 | 86 | 82 |
| 1.00 | 100 | 94 | 91 | 99 | 94 | 90 | 97 | 93 | 90 | 86 |
| 1.25 | 103 | 98 | 95 | 102 | 98 | 94 | 100 | 96 | 93 | 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:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



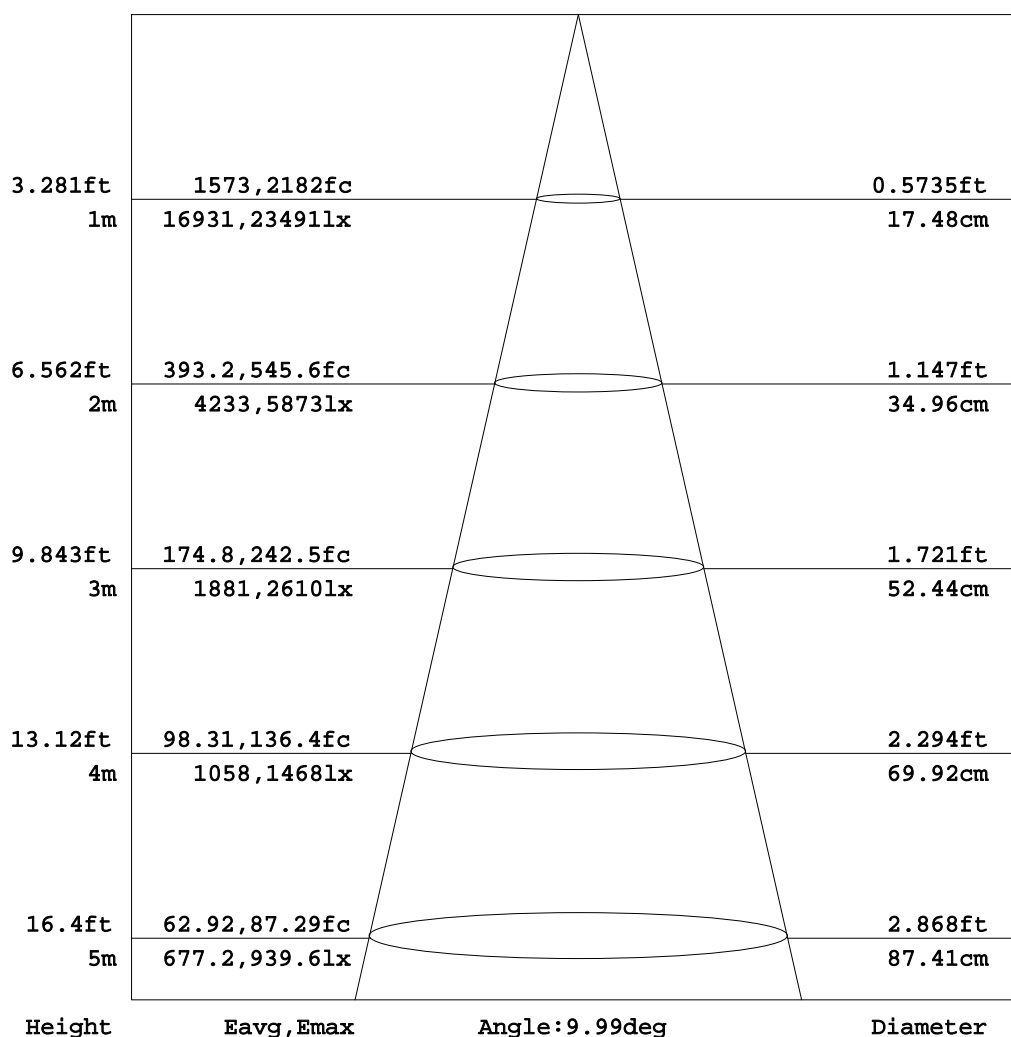
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:407.1 lm



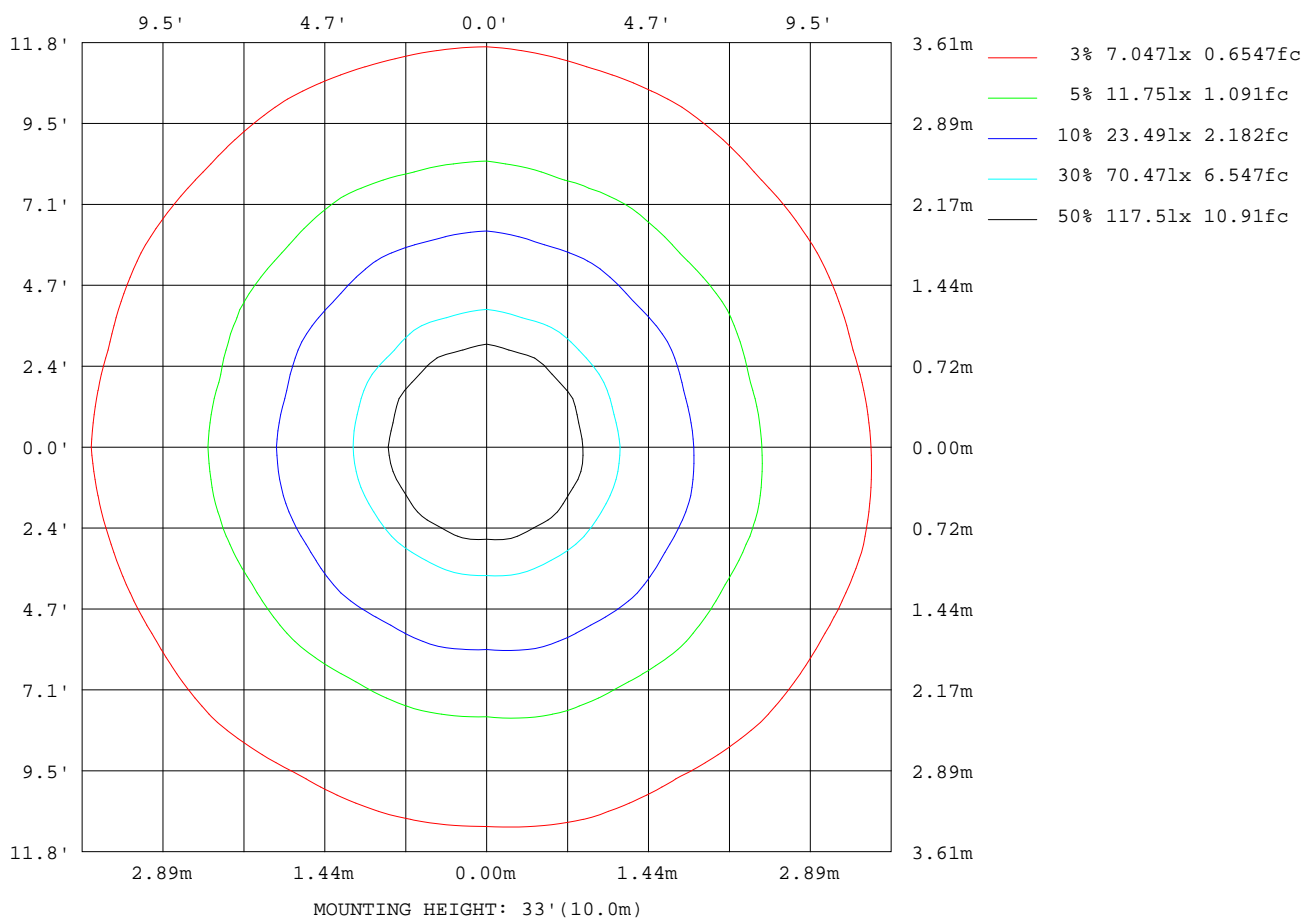
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-06

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

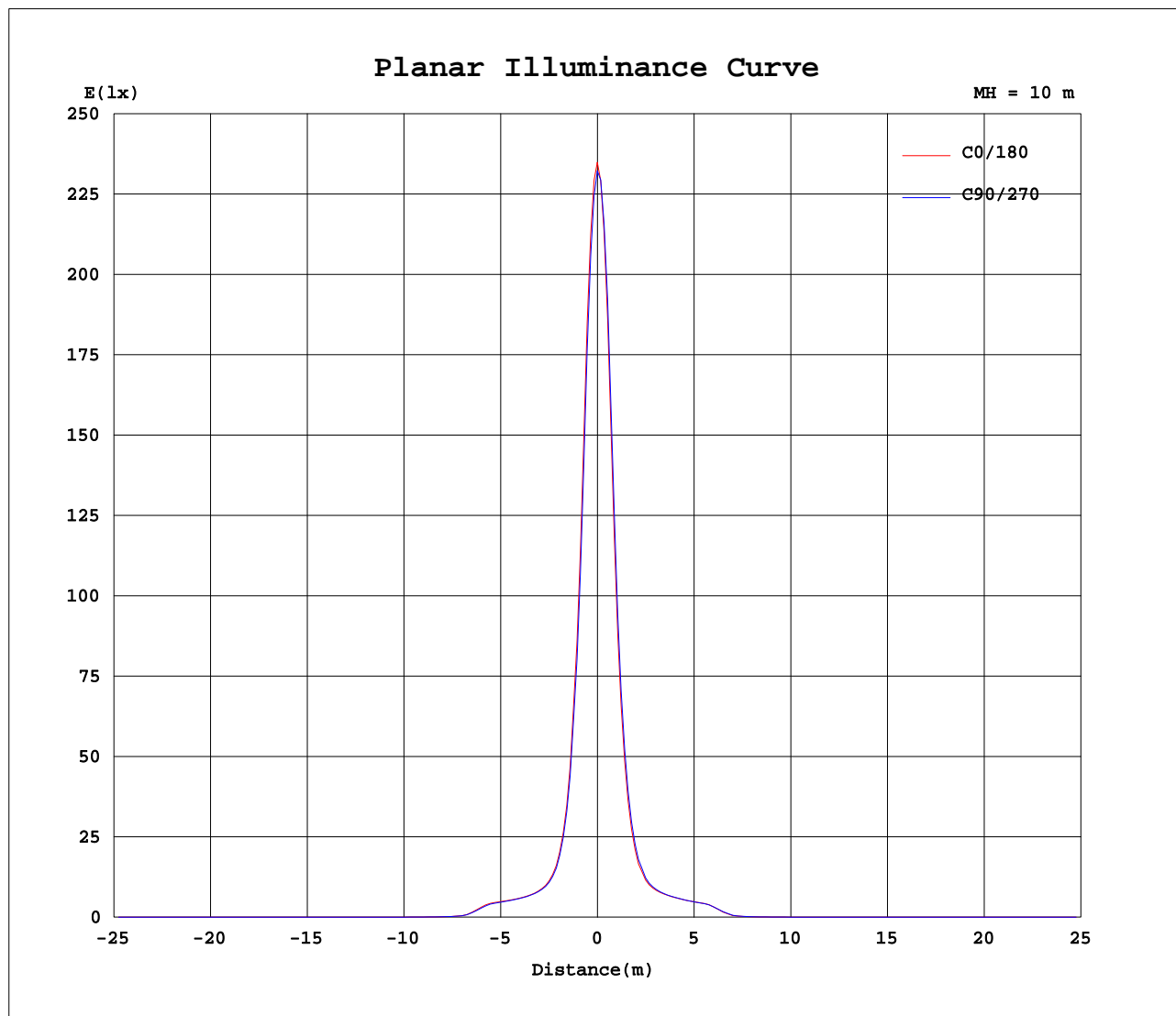
| | | |
|---|--------|-------------------|
| Test:U:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-09-06

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: 2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 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 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 | 2327 |
| 5 | 1145 | 1172 | 1119 | 1151 | 1102 | 1130 | 1087 | 1123 | 1091 | 1141 | 1115 | 1171 | 1180 | 1145 | 1220 | 1184 | 1255 | 1207 | 1268 |
| 10 | 273 | 283 | 273 | 284 | 271 | 276 | 260 | 268 | 260 | 272 | 268 | 282 | 284 | 275 | 297 | 290 | 313 | 298 | 311 |
| 15 | 109 | 112 | 110 | 112 | 109 | 110 | 107 | 108 | 106 | 109 | 108 | 110 | 111 | 110 | 115 | 115 | 120 | 117 | 118 |
| 20 | 78.5 | 80.1 | 79.2 | 79.9 | 78.6 | 79.4 | 78.3 | 78.7 | 78.5 | 80.3 | 80.0 | 81.0 | 81.3 | 80.3 | 81.7 | 81.3 | 83.0 | 82.5 | 83.2 |
| 25 | 69.1 | 69.5 | 68.7 | 68.6 | 68.4 | 68.3 | 67.7 | 68.4 | 68.8 | 69.5 | 69.3 | 69.4 | 69.2 | 69.0 | 69.0 | 69.0 | 70.6 | 70.0 | 70.0 |
| 30 | 58.6 | 59.2 | 56.9 | 57.7 | 55.2 | 56.6 | 54.9 | 57.0 | 56.1 | 58.4 | 57.8 | 59.6 | 59.5 | 57.9 | 59.0 | 58.2 | 60.3 | 59.4 | 59.9 |
| 35 | 8.97 | 9.90 | 8.78 | 8.85 | 7.87 | 8.87 | 8.46 | 9.30 | 8.36 | 9.28 | 8.82 | 9.73 | 9.66 | 8.90 | 9.92 | 9.18 | 9.92 | 9.70 | 10.9 |
| 40 | 2.49 | 2.65 | 2.54 | 2.52 | 2.44 | 2.56 | 2.52 | 2.62 | 2.56 | 2.70 | 2.60 | 2.66 | 2.60 | 2.58 | 2.68 | 2.60 | 2.71 | 2.76 | 2.85 |
| 45 | 1.19 | 1.22 | 1.19 | 1.20 | 1.19 | 1.21 | 1.18 | 1.20 | 1.18 | 1.24 | 1.19 | 1.23 | 1.24 | 1.23 | 1.27 | 1.25 | 1.30 | 1.27 | 1.28 |
| 50 | 0.86 | 0.86 | 0.84 | 0.85 | 0.85 | 0.87 | 0.86 | 0.86 | 0.88 | 0.87 | 0.84 | 0.85 | 0.86 | 0.90 | 0.91 | 0.88 | 0.89 | 0.89 | 0.87 |
| 55 | 0.79 | 0.78 | 0.78 | 0.78 | 0.78 | 0.79 | 0.79 | 0.79 | 0.80 | 0.79 | 0.79 | 0.81 | 0.78 | 0.80 | 0.80 | 0.79 | 0.79 | 0.83 | 0.81 |
| 60 | 0.79 | 0.78 | 0.79 | 0.80 | 0.80 | 0.80 | 0.80 | 0.79 | 0.79 | 0.80 | 0.81 | 0.83 | 0.79 | 0.79 | 0.78 | 0.78 | 0.79 | 0.80 | 0.79 |
| 65 | 0.77 | 0.77 | 0.79 | 0.78 | 0.78 | 0.80 | 0.80 | 0.78 | 0.77 | 0.79 | 0.80 | 0.81 | 0.78 | 0.77 | 0.76 | 0.75 | 0.75 | 0.76 | 0.76 |
| 70 | 0.65 | 0.66 | 0.66 | 0.65 | 0.64 | 0.65 | 0.66 | 0.65 | 0.64 | 0.65 | 0.65 | 0.65 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.65 | 0.65 |
| 75 | 0.59 | 0.59 | 0.59 | 0.58 | 0.58 | 0.58 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.58 | 0.58 | 0.58 |
| 80 | 0.55 | 0.55 | 0.55 | 0.55 | 0.54 | 0.55 | 0.54 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.52 | 0.52 | 0.53 | 0.53 | 0.55 | 0.54 |
| 85 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.51 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.48 | 0.47 | 0.48 | 0.49 | 0.52 | 0.48 |
| 90 | 0.34 | 0.34 | 0.33 | 0.34 | 0.35 | 0.40 | 0.34 | 0.34 | 0.34 | 0.33 | 0.34 | 0.34 | 0.40 | 0.40 | 0.40 | 0.42 | 0.43 | 0.46 | 0.40 |
| 95 | 0.25 | 0.25 | 0.25 | 0.26 | 0.26 | 0.30 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.40 | 0.40 | 0.40 | 0.41 | 0.42 | 0.44 | 0.40 |
| 100 | 0.21 | 0.20 | 0.21 | 0.21 | 0.21 | 0.22 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.20 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.42 | 0.41 |
| 105 | 0.27 | 0.27 | 0.27 | 0.27 | 0.28 | 0.27 | 0.28 | 0.27 | 0.28 | 0.27 | 0.27 | 0.27 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| 110 | 0.36 | 0.35 | 0.36 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 115 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 120 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 125 | 0.49 | 0.48 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.48 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 |
| 130 | 0.67 | 0.66 | 0.68 | 0.67 | 0.68 | 0.67 | 0.68 | 0.67 | 0.68 | 0.67 | 0.68 | 0.66 | 0.74 | 0.74 | 0.73 | 0.73 | 0.73 | 0.73 | 0.72 |
| 135 | 0.96 | 0.96 | 0.97 | 0.96 | 0.98 | 0.97 | 0.98 | 0.97 | 0.98 | 0.97 | 0.97 | 0.96 | 0.99 | 0.99 | 0.98 | 0.98 | 0.97 | 0.98 | 0.98 |
| 140 | 1.16 | 1.16 | 1.16 | 1.16 | 1.17 | 1.16 | 1.17 | 1.16 | 1.17 | 1.17 | 1.17 | 1.16 | 1.18 | 1.18 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 |
| 145 | 1.26 | 1.26 | 1.26 | 1.26 | 1.27 | 1.26 | 1.26 | 1.26 | 1.29 | 1.29 | 1.26 | 1.26 | 1.28 | 1.34 | 1.30 | 1.28 | 1.28 | 1.28 | 1.30 |
| 150 | 1.32 | 1.32 | 1.32 | 1.32 | 1.33 | 1.32 | 1.32 | 1.32 | 1.35 | 1.36 | 1.32 | 1.32 | 1.35 | 1.40 | 1.37 | 1.34 | 1.34 | 1.34 | 1.38 |
| 155 | 1.36 | 1.36 | 1.36 | 1.36 | 1.37 | 1.36 | 1.37 | 1.36 | 1.37 | 1.36 | 1.37 | 1.36 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| 160 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| 165 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 |
| 170 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | 1.46 | 1.45 | 1.46 | 1.45 | 1.45 | 1.45 | 1.45 |
| 175 | 1.35 | 1.35 | 1.34 | 1.35 | 1.34 | 1.35 | 1.34 | 1.35 | 1.35 | 1.35 | 1.35 | 1.36 | 1.37 | 1.37 | 1.38 | 1.37 | 1.38 | 1.38 | 1.38 |
| 180 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.23 | 1.24 | 1.24 | 1.22 | 1.22 | 1.22 | 1.22 | 1.23 | 1.23 | 1.23 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-09-06

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:226.5V I:0.0920A P:19.90W PF:0.9490 Lamp Flux:1684.76x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: x10cd

| C(DEC) γ (DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 2327 | 2327 | 2327 | 2327 | 2327 | | | | | | | | | | | | | | |
| 5 | 1202 | 1247 | 1174 | 1211 | 1136 | | | | | | | | | | | | | | |
| 10 | 288 | 297 | 275 | 287 | 268 | | | | | | | | | | | | | | |
| 15 | 113 | 113 | 109 | 111 | 108 | | | | | | | | | | | | | | |
| 20 | 81.6 | 81.6 | 79.5 | 79.8 | 78.7 | | | | | | | | | | | | | | |
| 25 | 69.4 | 69.5 | 68.8 | 69.0 | 67.5 | | | | | | | | | | | | | | |
| 30 | 58.3 | 59.4 | 58.0 | 58.9 | 57.6 | | | | | | | | | | | | | | |
| 35 | 10.3 | 10.7 | 9.44 | 9.75 | 8.89 | | | | | | | | | | | | | | |
| 40 | 2.75 | 2.82 | 2.62 | 2.60 | 2.48 | | | | | | | | | | | | | | |
| 45 | 1.22 | 1.26 | 1.19 | 1.19 | 1.16 | | | | | | | | | | | | | | |
| 50 | 0.82 | 0.82 | 0.80 | 0.80 | 0.80 | | | | | | | | | | | | | | |
| 55 | 0.77 | 0.74 | 0.73 | 0.72 | 0.73 | | | | | | | | | | | | | | |
| 60 | 0.79 | 0.75 | 0.74 | 0.73 | 0.74 | | | | | | | | | | | | | | |
| 65 | 0.75 | 0.74 | 0.73 | 0.72 | 0.73 | | | | | | | | | | | | | | |
| 70 | 0.64 | 0.64 | 0.63 | 0.63 | 0.63 | | | | | | | | | | | | | | |
| 75 | 0.58 | 0.57 | 0.57 | 0.57 | 0.57 | | | | | | | | | | | | | | |
| 80 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | | | | | | | | | | | | | | |
| 85 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | | | | | | | | | | | | | | |
| 90 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | | | | | | | | | | | | | | |
| 95 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | | | | | | | | | | | | | | |
| 100 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | | | | | | | | | | | | | | |
| 105 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | | | | | | | | | | | | | | |
| 110 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | | | | | | | | | | | | | | |
| 115 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | | | | | | | | | | | | | | |
| 120 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | | | | | | | | | | | | | | |
| 125 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | | | | | | | | | | | | | | |
| 130 | 0.73 | 0.73 | 0.73 | 0.73 | 0.74 | | | | | | | | | | | | | | |
| 135 | 0.98 | 0.98 | 0.99 | 0.98 | 0.99 | | | | | | | | | | | | | | |
| 140 | 1.17 | 1.17 | 1.17 | 1.17 | 1.18 | | | | | | | | | | | | | | |
| 145 | 1.28 | 1.28 | 1.28 | 1.28 | 1.29 | | | | | | | | | | | | | | |
| 150 | 1.34 | 1.34 | 1.34 | 1.34 | 1.35 | | | | | | | | | | | | | | |
| 155 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | | | | | | | | | | | | | | |
| 160 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | | | | | | | | | | | | | | |
| 165 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | | | | | | | | | | | | | | |
| 170 | 1.45 | 1.46 | 1.45 | 1.46 | 1.45 | | | | | | | | | | | | | | |
| 175 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | | | | | | | | | | | | | | |
| 180 | 1.23 | 1.23 | 1.23 | 1.24 | 1.24 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
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