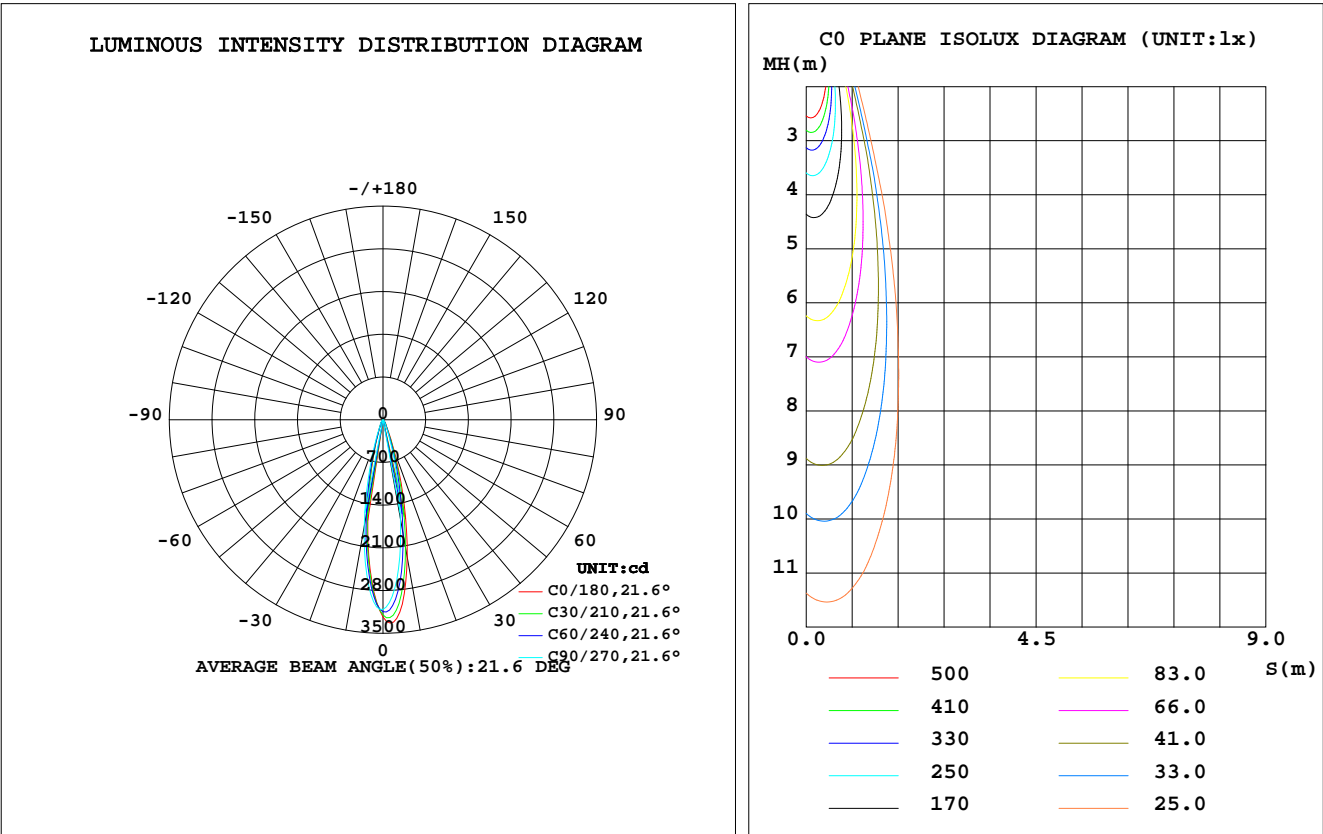


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 81.48 lm/W |
|------------------|------------------|------------------|--------|-------------------|----------|-----------------|
| MODEL | M012-8W-830-S-24 | Imax(cd) | 3359 | S/MH(C0/180) | 0.43 | |
| NOMINAL POWER(W) | 8 | LOR(%) | 100.0 | S/MH(C90/270) | 0.36 | |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 638.77 | η UP,DN(C0-180) | 1.2,46.0 | |
| NOMINAL FLUX(lm) | 638.775 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.3,51.5 | |
| LAMPS INSIDE | 1 | η up(%) | 2.5 | CIBSE SHR NOM | 0.00 | |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.5 | CIBSE SHR MAX | 1.00 | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [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 | 2286 | 2041 | 1652 | 1177 | 1400 | 1481 | 1774 | 2471 | 0- 10 | 228.3 | 228.3 | 35.7,35.7 |
| 20 | 527.0 | 412.7 | 296.0 | 198.0 | 233.7 | 224.9 | 316.3 | 644.2 | 10- 20 | 249.4 | 477.8 | 74.8,74.8 |
| 30 | 103.4 | 90.84 | 73.29 | 59.11 | 78.34 | 73.67 | 91.32 | 120.0 | 20- 30 | 77.22 | 555.0 | 86.9,86.9 |
| 40 | 48.16 | 42.97 | 30.18 | 21.86 | 26.64 | 29.91 | 42.17 | 54.82 | 30- 40 | 36.90 | 591.9 | 92.7,92.7 |
| 50 | 14.04 | 12.76 | 9.949 | 7.514 | 7.673 | 9.137 | 11.14 | 16.86 | 40- 50 | 16.56 | 608.4 | 95.3,95.3 |
| 60 | 5.345 | 5.541 | 5.095 | 4.426 | 4.140 | 3.994 | 4.124 | 4.846 | 50- 60 | 6.544 | 615.0 | 96.3,96.3 |
| 70 | 3.483 | 3.485 | 3.199 | 2.803 | 2.667 | 2.717 | 2.901 | 3.075 | 60- 70 | 3.727 | 618.7 | 96.9,96.9 |
| 80 | 1.667 | 1.585 | 1.557 | 1.498 | 1.487 | 1.485 | 1.496 | 1.518 | 70- 80 | 2.319 | 621.0 | 97.2,97.2 |
| 90 | 1.314 | 1.245 | 1.184 | 1.080 | 1.459 | 1.423 | 1.414 | 1.448 | 80- 90 | 1.565 | 622.6 | 97.5,97.5 |
| 100 | 0.9182 | 0.8765 | 0.8879 | 0.9803 | 1.525 | 1.474 | 1.467 | 1.502 | 90-100 | 1.345 | 623.9 | 97.7,97.7 |
| 110 | 1.042 | 1.037 | 1.093 | 1.301 | 1.634 | 1.561 | 1.551 | 1.549 | 100-110 | 1.333 | 625.3 | 97.9,97.9 |
| 120 | 1.445 | 1.476 | 1.601 | 1.901 | 2.035 | 1.920 | 1.837 | 1.738 | 110-120 | 1.507 | 626.8 | 98.1,98.1 |
| 130 | 2.372 | 2.473 | 2.773 | 3.227 | 3.201 | 3.049 | 2.850 | 2.457 | 120-130 | 1.972 | 628.8 | 98.4,98.4 |
| 140 | 3.876 | 3.988 | 4.234 | 4.555 | 4.527 | 4.419 | 4.258 | 3.838 | 130-140 | 2.710 | 631.5 | 98.9,98.9 |
| 150 | 4.885 | 4.937 | 5.040 | 5.158 | 5.169 | 5.121 | 5.064 | 4.874 | 140-150 | 2.928 | 634.4 | 99.3,99.3 |
| 160 | 5.296 | 5.327 | 5.364 | 5.381 | 5.395 | 5.347 | 5.336 | 5.270 | 150-160 | 2.406 | 636.8 | 99.7,99.7 |
| 170 | 5.318 | 5.236 | 5.130 | 4.917 | 5.025 | 5.032 | 5.122 | 5.284 | 160-170 | 1.505 | 638.3 | 99.9,99.9 |
| 180 | 4.976 | 4.873 | 4.814 | 4.910 | 4.973 | 4.869 | 4.820 | 4.912 | 170-180 | 0.4735 | 638.8 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

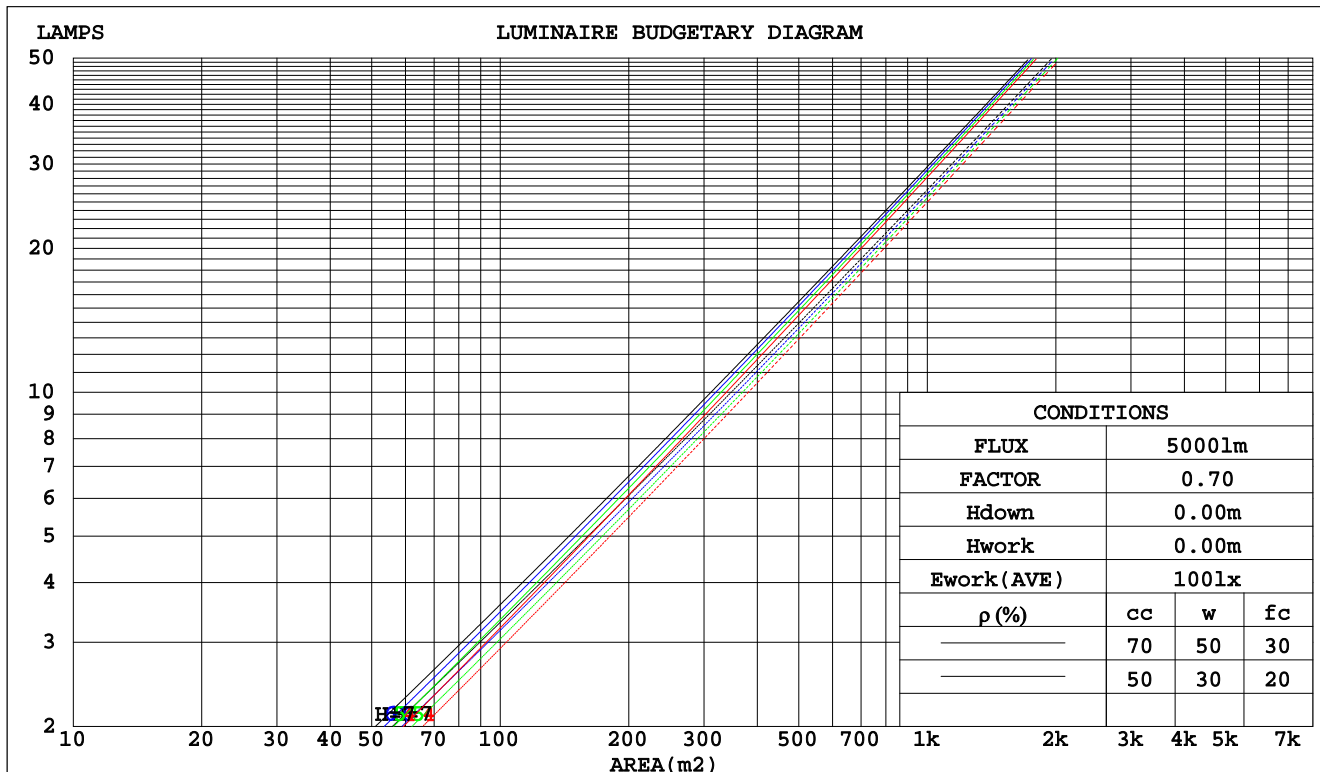
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---------------|--------|-------------------|
| 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 | 1.08 | 1.09 | 1.07 | 1.06 | 1.05 | 1.03 | 1.02 | 1.01 | .00 | .99 | .97 | .96 | .95 | .93 |
| 2.0 | 1.06 | 1.03 | .00 | 1.04 | 1.01 | .99 | 1.00 | .98 | .96 | .97 | .95 | .94 | .94 | .93 | .91 | .90 |
| 3.0 | 1.01 | .97 | .94 | .99 | .96 | .93 | .97 | .94 | .91 | .94 | .92 | .90 | .91 | .90 | .88 | .86 |
| 4.0 | .97 | .92 | .89 | .95 | .91 | .88 | .93 | .90 | .87 | .91 | .88 | .86 | .89 | .87 | .85 | .83 |
| 5.0 | .93 | .88 | .85 | .92 | .88 | .85 | .90 | .86 | .84 | .88 | .85 | .83 | .86 | .84 | .82 | .81 |
| 6.0 | .89 | .85 | .82 | .88 | .84 | .81 | .87 | .83 | .81 | .85 | .82 | .80 | .84 | .81 | .79 | .78 |
| 7.0 | .86 | .82 | .79 | .86 | .81 | .78 | .84 | .80 | .78 | .83 | .80 | .77 | .82 | .79 | .77 | .76 |
| 8.0 | .83 | .79 | .76 | .83 | .79 | .76 | .82 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .75 | .73 |
| 9.0 | .81 | .77 | .74 | .80 | .76 | .74 | .79 | .76 | .73 | .78 | .75 | .73 | .78 | .75 | .72 | .71 |
| 10.0 | .79 | .74 | .72 | .78 | .74 | .71 | .77 | .74 | .71 | .76 | .73 | .71 | .76 | .73 | .71 | .70 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---------------|--------|-------------------|
| 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 | .149 .085 .027 | .142 .081 .026 | .128 .073 .023 | .115 .066 .021 | .103 .060 .019 | |
| 2.0 | .138 .075 .023 | .132 .072 .022 | .120 .067 .021 | .109 .061 .019 | .099 .056 .018 | |
| 3.0 | .128 .068 .020 | .123 .066 .020 | .113 .061 .019 | .104 .057 .017 | .095 .053 .016 | |
| 4.0 | .120 .062 .018 | .115 .060 .018 | .107 .057 .017 | .099 .053 .016 | .092 .050 .015 | |
| 5.0 | .112 .057 .017 | .108 .056 .016 | .101 .053 .015 | .094 .050 .015 | .088 .047 .014 | |
| 6.0 | .106 .053 .015 | .103 .052 .015 | .096 .049 .014 | .090 .047 .014 | .085 .045 .013 | |
| 7.0 | .100 .050 .014 | .097 .048 .014 | .092 .046 .013 | .086 .044 .013 | .081 .042 .012 | |
| 8.0 | .095 .047 .013 | .093 .046 .013 | .088 .044 .012 | .083 .042 .012 | .078 .040 .012 | |
| 9.0 | .091 .044 .012 | .088 .043 .012 | .084 .041 .012 | .080 .040 .011 | .076 .038 .011 | |
| 10.0 | .087 .042 .012 | .084 .041 .011 | .080 .039 .011 | .077 .038 .011 | .073 .037 .011 | |

| | | | | | | |
|------|-----------------------|----------------|----------------|----------------|----------------|--|
| 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 | .179 .179 .179 | .122 .122 .122 | .070 .070 .070 | .022 .022 .022 | |
| 1.0 | .189 .177 .167 | .161 .152 .143 | .110 .105 .099 | .064 .060 .058 | .020 .019 .019 | |
| 2.0 | .171 .152 .136 | .147 .131 .118 | .101 .091 .082 | .058 .053 .048 | .019 .017 .016 | |
| 3.0 | .157 .133 .114 | .134 .115 .099 | .092 .080 .069 | .053 .047 .041 | .017 .015 .013 | |
| 4.0 | .145 .118 .097 | .124 .102 .085 | .085 .071 .060 | .049 .042 .035 | .016 .014 .012 | |
| 5.0 | .134 .106 .085 | .115 .091 .074 | .080 .064 .052 | .046 .038 .031 | .015 .012 .010 | |
| 6.0 | .126 .096 .075 | .108 .083 .065 | .075 .058 .046 | .043 .034 .027 | .014 .011 .009 | |
| 7.0 | .118 .088 .067 | .102 .076 .058 | .070 .053 .041 | .041 .031 .024 | .013 .010 .008 | |
| 8.0 | .112 .081 .060 | .096 .070 .053 | .066 .049 .037 | .039 .029 .022 | .013 .010 .007 | |
| 9.0 | .106 .076 .055 | .091 .066 .048 | .063 .046 .034 | .037 .027 .020 | .012 .009 .007 | |
| 10.0 | .101 .071 .051 | .087 .062 .044 | .060 .043 .032 | .035 .026 .019 | .011 .008 .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:5.920m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|------------------|------|------|------|------|-------------------|------|------|------|------|
| 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 | | | | | 16.0 | 16.7 | 16.3 | 16.9 | 17.1 | 14.4 | 15.1 | 14.7 | 15.3 | 15.5 |
| 3H | | | | | 16.2 | 16.9 | 16.5 | 17.1 | 17.3 | 14.9 | 15.5 | 15.2 | 15.8 | 16.0 |
| 4H | | | | | 16.4 | 17.0 | 16.7 | 17.3 | 17.5 | 15.1 | 15.7 | 15.4 | 16.0 | 16.2 |
| 6H | | | | | 16.5 | 17.1 | 16.8 | 17.4 | 17.6 | 15.3 | 15.8 | 15.6 | 16.1 | 16.4 |
| 8H | | | | | 16.6 | 17.2 | 16.9 | 17.4 | 17.7 | 15.4 | 16.0 | 15.7 | 16.2 | 16.5 |
| 12H | | | | | 16.7 | 17.3 | 17.1 | 17.6 | 17.9 | 15.6 | 16.1 | 16.0 | 16.4 | 16.8 |
| 4H 2H | | | | | 16.0 | 16.6 | 16.3 | 16.8 | 17.1 | 14.5 | 15.1 | 14.8 | 15.3 | 15.6 |
| 3H | | | | | 16.3 | 16.8 | 16.7 | 17.1 | 17.5 | 15.2 | 15.7 | 15.5 | 16.0 | 16.3 |
| 4H | | | | | 16.5 | 17.0 | 16.9 | 17.4 | 17.7 | 15.5 | 16.0 | 15.9 | 16.3 | 16.7 |
| 6H | | | | | 16.7 | 17.2 | 17.2 | 17.6 | 17.9 | 15.8 | 16.2 | 16.2 | 16.6 | 17.0 |
| 8H | | | | | 16.9 | 17.3 | 17.3 | 17.7 | 18.1 | 16.0 | 16.4 | 16.4 | 16.8 | 17.2 |
| 12H | | | | | 17.2 | 17.5 | 17.6 | 17.9 | 18.4 | 16.3 | 16.7 | 16.7 | 17.1 | 17.5 |
| 8H 4H | | | | | 16.6 | 17.0 | 17.0 | 17.4 | 17.8 | 15.6 | 16.0 | 16.0 | 16.4 | 16.8 |
| 6H | | | | | 16.9 | 17.2 | 17.3 | 17.6 | 18.1 | 16.0 | 16.3 | 16.4 | 16.7 | 17.2 |
| 8H | | | | | 17.1 | 17.4 | 17.6 | 17.9 | 18.3 | 16.3 | 16.6 | 16.8 | 17.1 | 17.5 |
| 12H | | | | | 17.5 | 17.8 | 18.0 | 18.3 | 18.8 | 16.8 | 17.1 | 17.3 | 17.5 | 18.1 |
| 12H 4H | | | | | 16.5 | 16.9 | 17.0 | 17.3 | 17.8 | 15.6 | 15.9 | 16.0 | 16.4 | 16.8 |
| 6H | | | | | 16.9 | 17.2 | 17.3 | 17.6 | 18.1 | 16.0 | 16.3 | 16.5 | 16.8 | 17.3 |
| 8H | | | | | 17.2 | 17.4 | 17.7 | 17.9 | 18.4 | 16.4 | 16.7 | 16.9 | 17.1 | 17.7 |
| Variations with the observer position at spacings: | | | | | | | | | | | | | | |
| S = 1.0H | | | | | + 1.4 / - 2.0 | | | | | + 1.1 / - 1.4 | | | | |
| 1.5H | | | | | + 2.7 / - 1.9 | | | | | + 1.9 / - 1.4 | | | | |
| 2.0H | | | | | + 3.0 / - 1.2 | | | | | + 1.6 / - 1.0 | | | | |

CIE Pub.117 Corrected 638.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.6)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

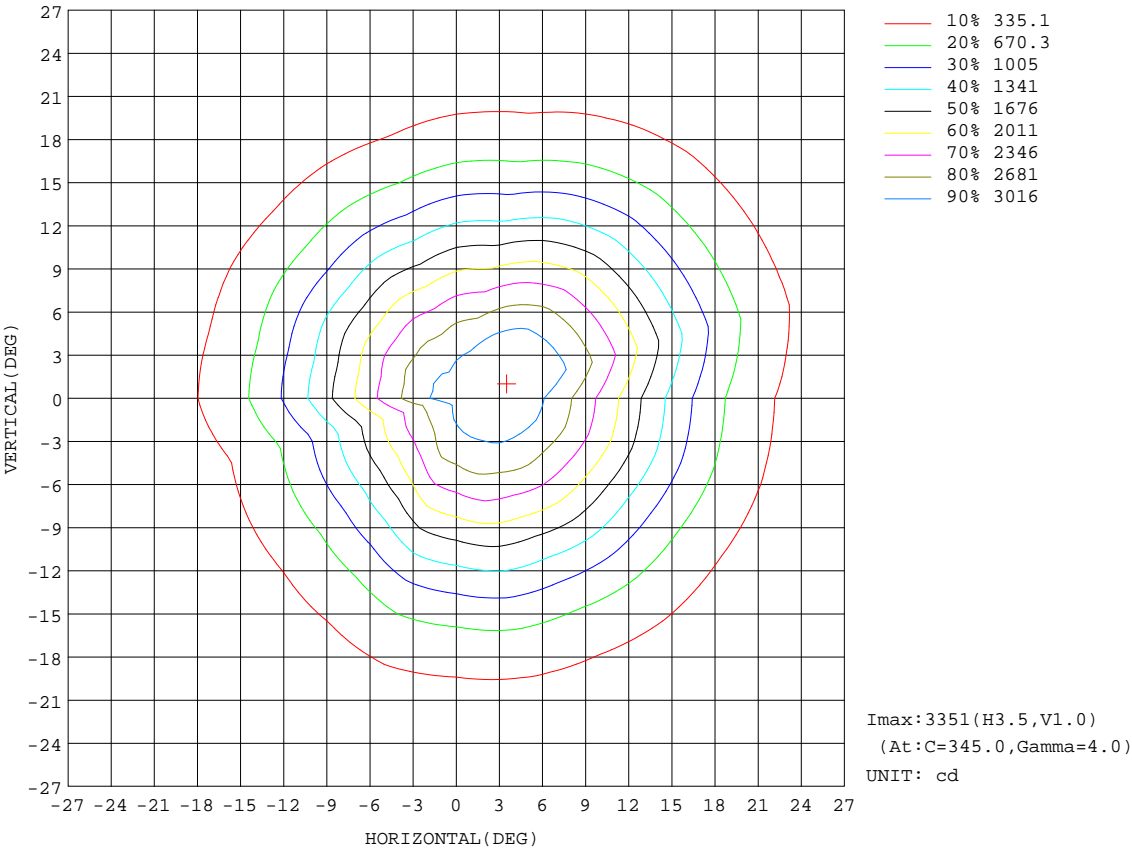
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 87 | 81 | 77 | 86 | 81 | 77 | 86 | 80 | 77 | 73 |
| 0.80 | 94 | 88 | 85 | 94 | 88 | 85 | 92 | 87 | 84 | 80 |
| 1.00 | 99 | 93 | 89 | 98 | 92 | 89 | 96 | 92 | 88 | 84 |
| 1.25 | 102 | 97 | 94 | 101 | 97 | 93 | 99 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 99 | 96 | 101 | 98 | 95 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 98 | 92 |
| 2.50 | 109 | 106 | 102 | 108 | 104 | 101 | 104 | 101 | 99 | 93 |
| 3.00 | 111 | 107 | 105 | 109 | 106 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 108 | 106 | 107 | 105 | 103 | 95 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 108 | 108 | 106 | 105 | 96 |
| 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: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



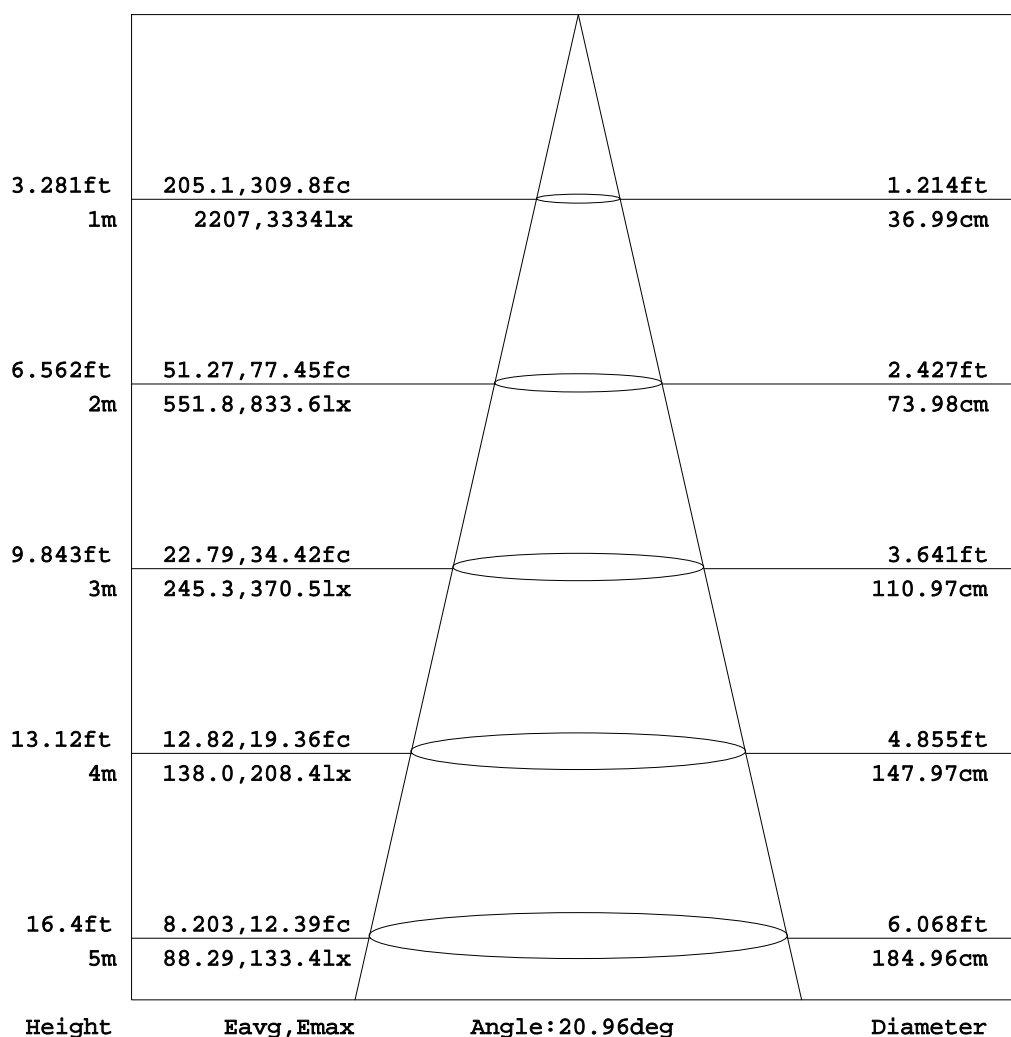
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:262.0 lm



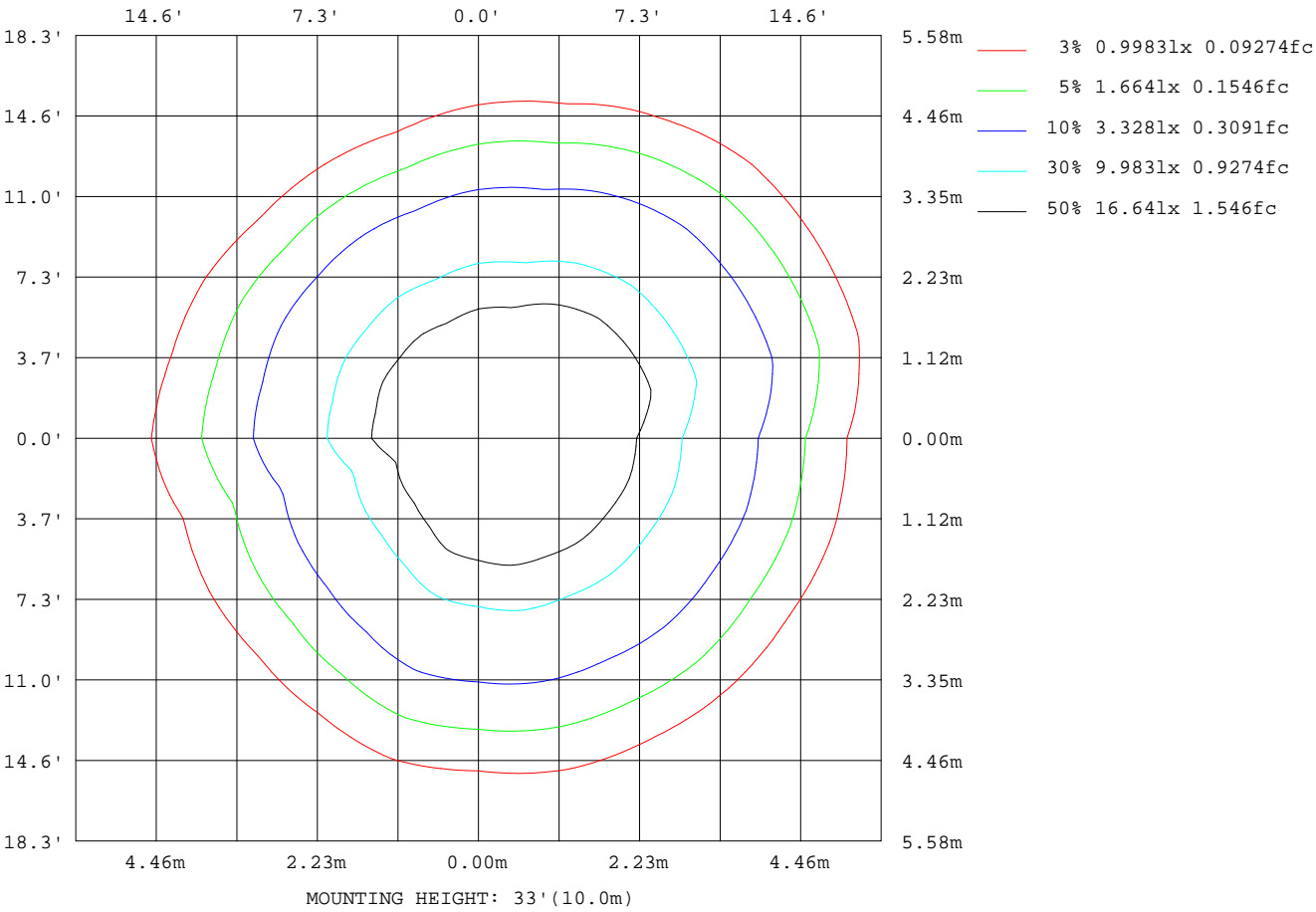
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

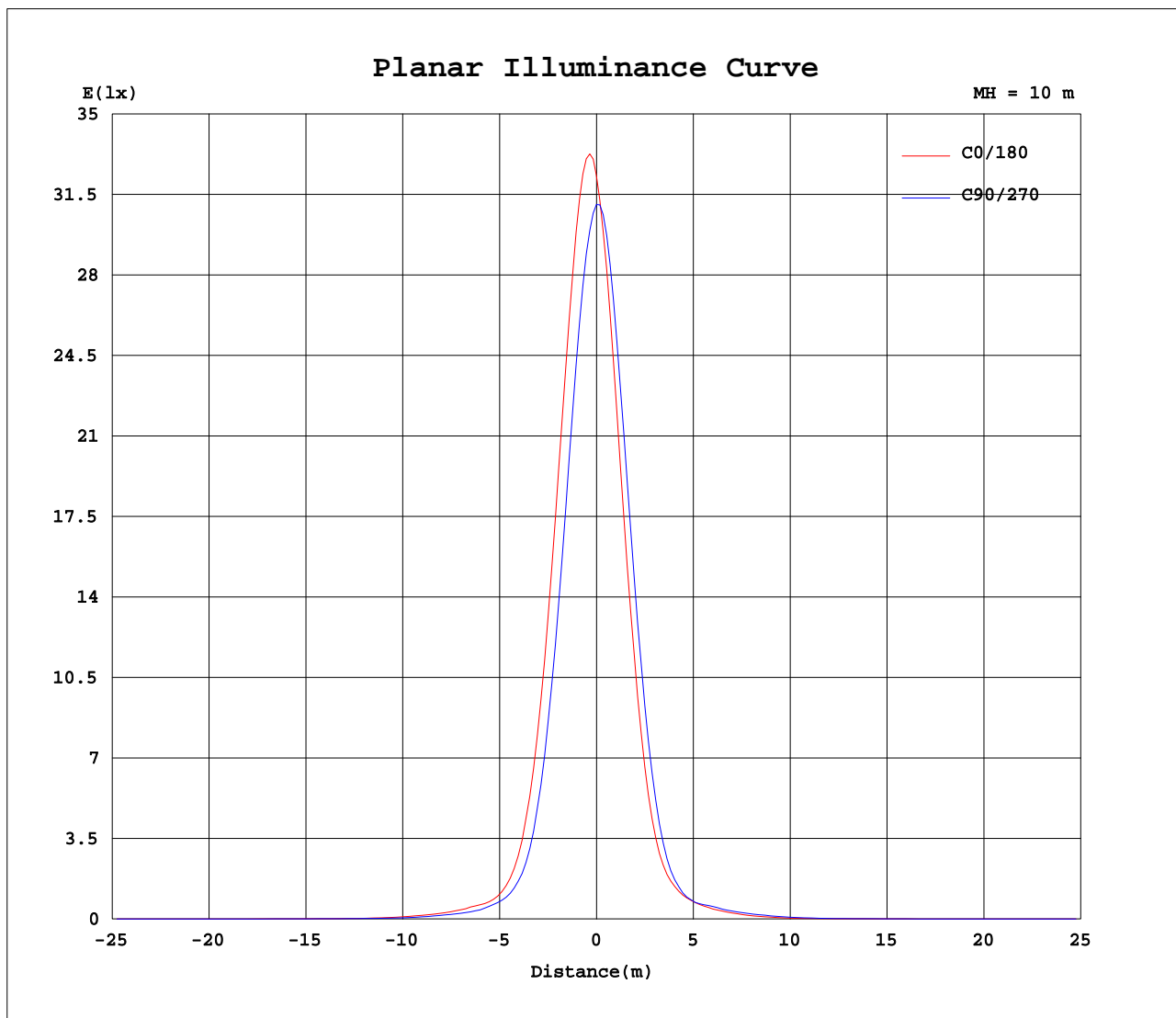
| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 3232 | 3202 | 3196 | 3172 | 3145 | 3112 | 3107 | 3115 | 3062 | 3058 | 3070 | 3034 | 3232 | 3202 | 3196 | 3172 | 3145 | 3112 | 3107 |
| 5 | 3165 | 3119 | 3021 | 2945 | 2826 | 2750 | 2621 | 2551 | 2305 | 2169 | 2137 | 2073 | 2451 | 2432 | 2501 | 2514 | 2582 | 2592 | 2722 |
| 10 | 2286 | 2249 | 2125 | 2041 | 1895 | 1813 | 1652 | 1564 | 1309 | 1177 | 1131 | 1072 | 1400 | 1380 | 1462 | 1481 | 1580 | 1603 | 1774 |
| 15 | 1250 | 1230 | 1119 | 1055 | 945 | 897 | 790 | 740 | 572 | 486 | 470 | 424 | 600 | 583 | 632 | 645 | 707 | 733 | 861 |
| 20 | 527 | 500 | 442 | 413 | 358 | 335 | 296 | 285 | 228 | 198 | 190 | 180 | 234 | 222 | 230 | 225 | 243 | 256 | 316 |
| 25 | 196 | 190 | 170 | 164 | 149 | 142 | 128 | 128 | 113 | 107 | 108 | 108 | 123 | 112 | 107 | 101 | 100 | 106 | 128 |
| 30 | 103 | 101 | 94.7 | 90.8 | 82.6 | 78.8 | 73.3 | 73.2 | 63.2 | 59.1 | 60.2 | 60.4 | 78.3 | 78.1 | 76.9 | 73.7 | 74.3 | 79.9 | 91.3 |
| 35 | 73.3 | 71.3 | 67.1 | 64.2 | 58.1 | 53.1 | 46.2 | 44.4 | 40.9 | 39.4 | 39.5 | 38.6 | 48.6 | 50.7 | 51.6 | 49.7 | 52.1 | 56.1 | 63.0 |
| 40 | 48.2 | 47.6 | 44.8 | 43.0 | 38.6 | 34.6 | 30.2 | 27.4 | 23.6 | 21.9 | 21.1 | 20.9 | 26.6 | 27.5 | 29.6 | 29.9 | 33.4 | 37.2 | 42.2 |
| 45 | 27.7 | 27.0 | 24.9 | 23.6 | 21.5 | 19.1 | 16.0 | 14.0 | 12.9 | 11.1 | 10.5 | 10.0 | 12.0 | 12.8 | 14.1 | 15.1 | 17.1 | 19.4 | 23.2 |
| 50 | 14.0 | 13.6 | 12.4 | 12.8 | 12.5 | 10.5 | 9.95 | 8.76 | 8.03 | 7.51 | 7.23 | 6.93 | 7.67 | 7.90 | 8.20 | 9.14 | 9.27 | 9.68 | 11.1 |
| 55 | 8.44 | 8.33 | 8.01 | 8.42 | 7.57 | 7.31 | 6.97 | 6.77 | 6.43 | 6.14 | 5.77 | 5.55 | 5.91 | 5.97 | 6.15 | 6.17 | 6.50 | 6.47 | 6.82 |
| 60 | 5.34 | 5.65 | 5.61 | 5.54 | 5.40 | 5.35 | 5.09 | 4.83 | 4.45 | 4.43 | 4.26 | 4.15 | 4.14 | 4.07 | 4.06 | 3.99 | 4.01 | 3.98 | 4.12 |
| 65 | 4.08 | 3.99 | 4.01 | 4.14 | 4.20 | 4.19 | 4.01 | 3.84 | 3.72 | 3.72 | 3.79 | 3.76 | 3.53 | 3.36 | 3.35 | 3.38 | 3.43 | 3.38 | 3.43 |
| 70 | 3.48 | 3.33 | 3.31 | 3.49 | 3.73 | 3.71 | 3.20 | 2.96 | 2.80 | 2.80 | 2.91 | 2.87 | 2.67 | 2.55 | 2.60 | 2.72 | 2.97 | 2.99 | 2.90 |
| 75 | 2.70 | 2.51 | 2.34 | 2.53 | 2.71 | 2.63 | 1.98 | 1.76 | 1.70 | 1.73 | 1.81 | 1.81 | 1.65 | 1.58 | 1.61 | 1.80 | 2.19 | 2.25 | 2.20 |
| 80 | 1.67 | 1.58 | 1.58 | 1.58 | 1.61 | 1.59 | 1.56 | 1.52 | 1.52 | 1.50 | 1.51 | 1.50 | 1.49 | 1.47 | 1.47 | 1.49 | 1.50 | 1.52 | 1.50 |
| 85 | 1.53 | 1.50 | 1.50 | 1.47 | 1.47 | 1.44 | 1.44 | 1.40 | 1.35 | 1.31 | 1.36 | 1.38 | 1.50 | 1.49 | 1.47 | 1.49 | 1.47 | 1.49 | 1.47 |
| 90 | 1.31 | 1.29 | 1.27 | 1.25 | 1.22 | 1.19 | 1.18 | 1.14 | 1.10 | 1.08 | 1.12 | 1.12 | 1.46 | 1.43 | 1.43 | 1.42 | 1.42 | 1.42 | 1.41 |
| 95 | 1.07 | 1.04 | 1.05 | 1.02 | 1.02 | 0.98 | 0.98 | 0.95 | 0.95 | 0.96 | 1.00 | 1.02 | 1.49 | 1.46 | 1.46 | 1.44 | 1.45 | 1.43 | 1.44 |
| 100 | 0.92 | 0.89 | 0.91 | 0.88 | 0.89 | 0.88 | 0.89 | 0.90 | 0.92 | 0.98 | 1.01 | 1.04 | 1.53 | 1.50 | 1.49 | 1.47 | 1.48 | 1.47 | 1.47 |
| 105 | 0.93 | 0.90 | 0.89 | 0.90 | 0.90 | 0.92 | 0.93 | 0.97 | 1.02 | 1.11 | 1.15 | 1.17 | 1.57 | 1.53 | 1.53 | 1.52 | 1.52 | 1.50 | 1.51 |
| 110 | 1.04 | 1.03 | 1.03 | 1.04 | 1.04 | 1.07 | 1.09 | 1.14 | 1.20 | 1.30 | 1.36 | 1.37 | 1.63 | 1.59 | 1.59 | 1.56 | 1.56 | 1.54 | 1.55 |
| 115 | 1.22 | 1.22 | 1.22 | 1.23 | 1.26 | 1.27 | 1.31 | 1.35 | 1.43 | 1.53 | 1.59 | 1.60 | 1.76 | 1.72 | 1.71 | 1.67 | 1.67 | 1.64 | 1.64 |
| 120 | 1.45 | 1.45 | 1.46 | 1.48 | 1.50 | 1.53 | 1.60 | 1.64 | 1.77 | 1.90 | 1.98 | 1.98 | 2.03 | 2.00 | 1.96 | 1.92 | 1.89 | 1.86 | 1.84 |
| 125 | 1.80 | 1.81 | 1.83 | 1.86 | 1.91 | 1.95 | 2.09 | 2.12 | 2.31 | 2.48 | 2.57 | 2.59 | 2.53 | 2.49 | 2.43 | 2.39 | 2.33 | 2.29 | 2.24 |
| 130 | 2.37 | 2.38 | 2.43 | 2.47 | 2.55 | 2.59 | 2.77 | 2.82 | 3.05 | 3.23 | 3.31 | 3.33 | 3.20 | 3.17 | 3.10 | 3.05 | 2.97 | 2.94 | 2.85 |
| 135 | 3.11 | 3.12 | 3.20 | 3.23 | 3.32 | 3.37 | 3.55 | 3.59 | 3.81 | 3.97 | 4.03 | 4.06 | 3.92 | 3.89 | 3.83 | 3.78 | 3.70 | 3.67 | 3.58 |
| 140 | 3.88 | 3.89 | 3.95 | 3.99 | 4.05 | 4.10 | 4.23 | 4.27 | 4.43 | 4.55 | 4.60 | 4.63 | 4.53 | 4.50 | 4.46 | 4.42 | 4.36 | 4.33 | 4.26 |
| 145 | 4.48 | 4.50 | 4.53 | 4.57 | 4.61 | 4.65 | 4.75 | 4.76 | 4.85 | 4.93 | 4.95 | 4.98 | 4.94 | 4.91 | 4.89 | 4.86 | 4.83 | 4.79 | 4.76 |
| 150 | 4.89 | 4.90 | 4.91 | 4.94 | 4.96 | 4.98 | 5.04 | 5.05 | 5.11 | 5.16 | 5.17 | 5.20 | 5.17 | 5.14 | 5.14 | 5.12 | 5.10 | 5.08 | 5.06 |
| 155 | 5.13 | 5.14 | 5.15 | 5.17 | 5.18 | 5.19 | 5.23 | 5.24 | 5.26 | 5.31 | 5.32 | 5.35 | 5.32 | 5.28 | 5.28 | 5.27 | 5.26 | 5.24 | 5.25 |
| 160 | 5.30 | 5.31 | 5.30 | 5.33 | 5.33 | 5.34 | 5.36 | 5.37 | 5.36 | 5.38 | 5.39 | 5.40 | 5.39 | 5.36 | 5.36 | 5.35 | 5.35 | 5.33 | 5.34 |
| 165 | 5.39 | 5.39 | 5.40 | 5.39 | 5.39 | 5.36 | 5.36 | 5.33 | 5.30 | 5.26 | 5.27 | 5.26 | 5.30 | 5.29 | 5.28 | 5.31 | 5.30 | 5.32 | 5.33 |
| 170 | 5.32 | 5.29 | 5.28 | 5.24 | 5.21 | 5.17 | 5.13 | 5.07 | 4.98 | 4.92 | 4.95 | 4.95 | 5.02 | 5.01 | 5.00 | 5.03 | 5.04 | 5.07 | 5.12 |
| 175 | 5.08 | 5.03 | 4.99 | 4.93 | 4.89 | 4.84 | 4.80 | 4.75 | 4.70 | 4.70 | 4.75 | 4.80 | 4.80 | 4.77 | 4.75 | 4.76 | 4.75 | 4.77 | 4.79 |
| 180 | 4.98 | 4.93 | 4.90 | 4.87 | 4.85 | 4.83 | 4.81 | 4.82 | 4.85 | 4.91 | 4.94 | 4.99 | 4.97 | 4.92 | 4.90 | 4.87 | 4.85 | 4.82 | 4.82 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 3115 | 3062 | 3058 | 3070 | 3034 | | | | | | | | | | | | | | |
| 5 | 2802 | 3027 | 3230 | 3303 | 3332 | | | | | | | | | | | | | | |
| 10 | 1870 | 2205 | 2471 | 2577 | 2648 | | | | | | | | | | | | | | |
| 15 | 944 | 1223 | 1444 | 1538 | 1599 | | | | | | | | | | | | | | |
| 20 | 364 | 511 | 644 | 696 | 734 | | | | | | | | | | | | | | |
| 25 | 147 | 199 | 246 | 265 | 278 | | | | | | | | | | | | | | |
| 30 | 99.0 | 108 | 120 | 122 | 124 | | | | | | | | | | | | | | |
| 35 | 67.7 | 77.3 | 85.9 | 86.5 | 89.2 | | | | | | | | | | | | | | |
| 40 | 43.2 | 50.2 | 54.8 | 56.1 | 56.9 | | | | | | | | | | | | | | |
| 45 | 24.3 | 29.4 | 33.5 | 34.6 | 35.7 | | | | | | | | | | | | | | |
| 50 | 12.1 | 14.5 | 16.9 | 17.6 | 18.0 | | | | | | | | | | | | | | |
| 55 | 7.15 | 7.78 | 8.70 | 9.02 | 9.40 | | | | | | | | | | | | | | |
| 60 | 4.25 | 4.51 | 4.85 | 5.16 | 5.72 | | | | | | | | | | | | | | |
| 65 | 3.44 | 3.45 | 3.65 | 3.80 | 3.94 | | | | | | | | | | | | | | |
| 70 | 2.83 | 2.86 | 3.08 | 3.32 | 3.38 | | | | | | | | | | | | | | |
| 75 | 2.11 | 2.18 | 2.37 | 2.64 | 2.68 | | | | | | | | | | | | | | |
| 80 | 1.48 | 1.45 | 1.52 | 1.70 | 1.77 | | | | | | | | | | | | | | |
| 85 | 1.47 | 1.46 | 1.45 | 1.44 | 1.43 | | | | | | | | | | | | | | |
| 90 | 1.44 | 1.43 | 1.45 | 1.42 | 1.43 | | | | | | | | | | | | | | |
| 95 | 1.42 | 1.43 | 1.45 | 1.43 | 1.40 | | | | | | | | | | | | | | |
| 100 | 1.46 | 1.47 | 1.50 | 1.51 | 1.43 | | | | | | | | | | | | | | |
| 105 | 1.51 | 1.51 | 1.52 | 1.55 | 1.50 | | | | | | | | | | | | | | |
| 110 | 1.54 | 1.56 | 1.55 | 1.58 | 1.53 | | | | | | | | | | | | | | |
| 115 | 1.62 | 1.62 | 1.60 | 1.63 | 1.58 | | | | | | | | | | | | | | |
| 120 | 1.80 | 1.77 | 1.74 | 1.76 | 1.70 | | | | | | | | | | | | | | |
| 125 | 2.17 | 2.07 | 1.99 | 2.00 | 1.93 | | | | | | | | | | | | | | |
| 130 | 2.76 | 2.59 | 2.46 | 2.44 | 2.36 | | | | | | | | | | | | | | |
| 135 | 3.48 | 3.27 | 3.11 | 3.09 | 3.00 | | | | | | | | | | | | | | |
| 140 | 4.17 | 3.99 | 3.84 | 3.81 | 3.73 | | | | | | | | | | | | | | |
| 145 | 4.69 | 4.57 | 4.45 | 4.44 | 4.37 | | | | | | | | | | | | | | |
| 150 | 5.02 | 4.95 | 4.87 | 4.87 | 4.81 | | | | | | | | | | | | | | |
| 155 | 5.21 | 5.17 | 5.12 | 5.14 | 5.08 | | | | | | | | | | | | | | |
| 160 | 5.32 | 5.31 | 5.27 | 5.30 | 5.27 | | | | | | | | | | | | | | |
| 165 | 5.33 | 5.33 | 5.36 | 5.39 | 5.35 | | | | | | | | | | | | | | |
| 170 | 5.15 | 5.21 | 5.28 | 5.28 | 5.32 | | | | | | | | | | | | | | |
| 175 | 4.84 | 4.92 | 5.04 | 5.07 | 5.13 | | | | | | | | | | | | | | |
| 180 | 4.82 | 4.84 | 4.91 | 4.94 | 5.00 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 5.920m [K=1.0000]
Remarks: