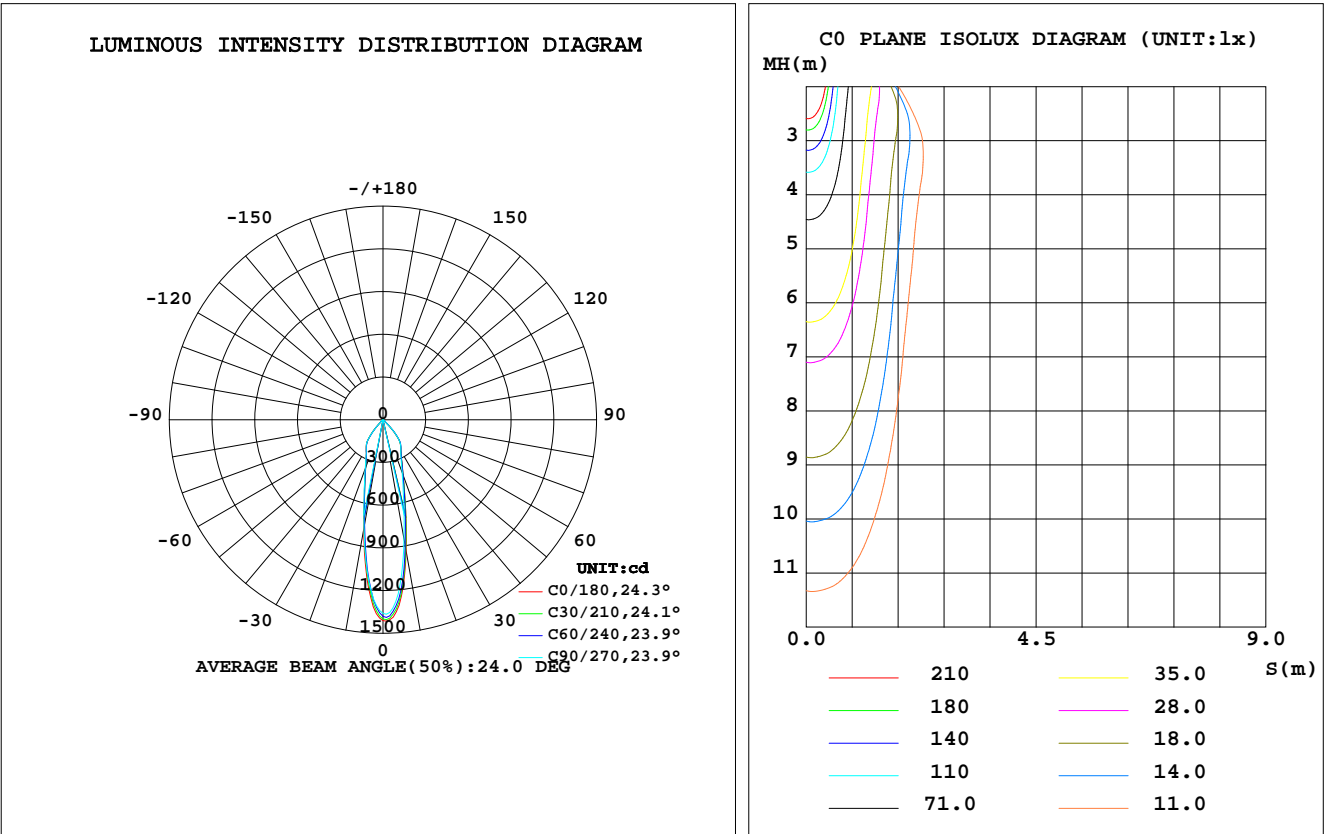


LUMINAIRE PHOTOMETRIC TEST REPORT

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

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 76.29 lm/W |
|------------------|------------------|------------------|--------|-------------------|----------|-----------------|
| MODEL | M011-8W-830-S-28 | Imax(cd) | 1414 | S/MH(C0/180) | 0.44 | |
| NOMINAL POWER(W) | 8 | LOR(%) | 100.0 | S/MH(C90/270) | 0.42 | |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 598.11 | η UP,DN(C0-180) | 1.2,50.1 | |
| NOMINAL FLUX(lm) | 598.109 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.3,47.5 | |
| LAMPS INSIDE | 1 | η up(%) | 2.4 | CIBSE SHR NOM | 0.50 | |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.6 | CIBSE SHR MAX | 0.50 | |



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 | 938.0 | 917.8 | 851.4 | 752.8 | 780.3 | 742.7 | 770.0 | 879.1 | 0- 10 | 102.1 | 102.1 | 17.1,17.1 |
| 20 | 416.2 | 418.4 | 394.3 | 355.0 | 360.4 | 352.8 | 366.7 | 405.7 | 10- 20 | 153.6 | 255.7 | 42.7,42.7 |
| 30 | 252.9 | 253.6 | 250.7 | 236.1 | 238.9 | 232.1 | 237.3 | 248.9 | 20- 30 | 136.8 | 392.5 | 65.6,65.6 |
| 40 | 152.8 | 161.4 | 156.9 | 130.2 | 127.3 | 114.6 | 118.6 | 142.9 | 30- 40 | 125.0 | 517.5 | 86.5,86.5 |
| 50 | 20.15 | 20.69 | 19.79 | 17.77 | 17.42 | 16.87 | 17.09 | 18.46 | 40- 50 | 43.30 | 560.8 | 93.8,93.8 |
| 60 | 9.473 | 9.721 | 9.690 | 9.113 | 9.254 | 8.809 | 8.632 | 9.090 | 50- 60 | 11.75 | 572.5 | 95.7,95.7 |
| 70 | 5.068 | 5.141 | 5.021 | 4.688 | 5.006 | 4.988 | 5.127 | 5.097 | 60- 70 | 6.792 | 579.3 | 96.9,96.9 |
| 80 | 1.501 | 1.314 | 1.214 | 1.163 | 1.240 | 1.286 | 1.389 | 1.519 | 70- 80 | 2.967 | 582.3 | 97.4,97.4 |
| 90 | 1.109 | 1.010 | 0.9953 | 0.9708 | 1.142 | 1.127 | 1.159 | 1.239 | 80- 90 | 1.329 | 583.6 | 97.6,97.6 |
| 100 | 1.042 | 1.039 | 1.014 | 1.054 | 1.344 | 1.325 | 1.337 | 1.283 | 90-100 | 1.205 | 584.8 | 97.8,97.8 |
| 110 | 1.344 | 1.325 | 1.317 | 1.380 | 1.644 | 1.630 | 1.633 | 1.559 | 100-110 | 1.389 | 586.2 | 98,98 |
| 120 | 1.790 | 1.757 | 1.756 | 1.842 | 2.078 | 2.067 | 2.048 | 1.943 | 110-120 | 1.663 | 587.9 | 98.3,98.3 |
| 130 | 2.461 | 2.423 | 2.434 | 2.572 | 2.781 | 2.766 | 2.730 | 2.574 | 120-130 | 1.986 | 589.9 | 98.6,98.6 |
| 140 | 3.356 | 3.315 | 3.311 | 3.426 | 3.578 | 3.547 | 3.512 | 3.362 | 130-140 | 2.322 | 592.2 | 99,99 |
| 150 | 3.979 | 3.947 | 3.907 | 3.957 | 4.083 | 4.026 | 3.996 | 3.909 | 140-150 | 2.333 | 594.5 | 99.4,99.4 |
| 160 | 4.358 | 4.315 | 4.267 | 4.289 | 4.415 | 4.360 | 4.330 | 4.246 | 150-160 | 1.909 | 596.4 | 99.7,99.7 |
| 170 | 4.609 | 4.581 | 4.497 | 4.482 | 4.603 | 4.531 | 4.505 | 4.467 | 160-170 | 1.255 | 597.7 | 99.9,99.9 |
| 180 | 4.697 | 4.641 | 4.573 | 4.541 | 4.705 | 4.620 | 4.579 | 4.526 | 170-180 | 0.4332 | 598.1 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

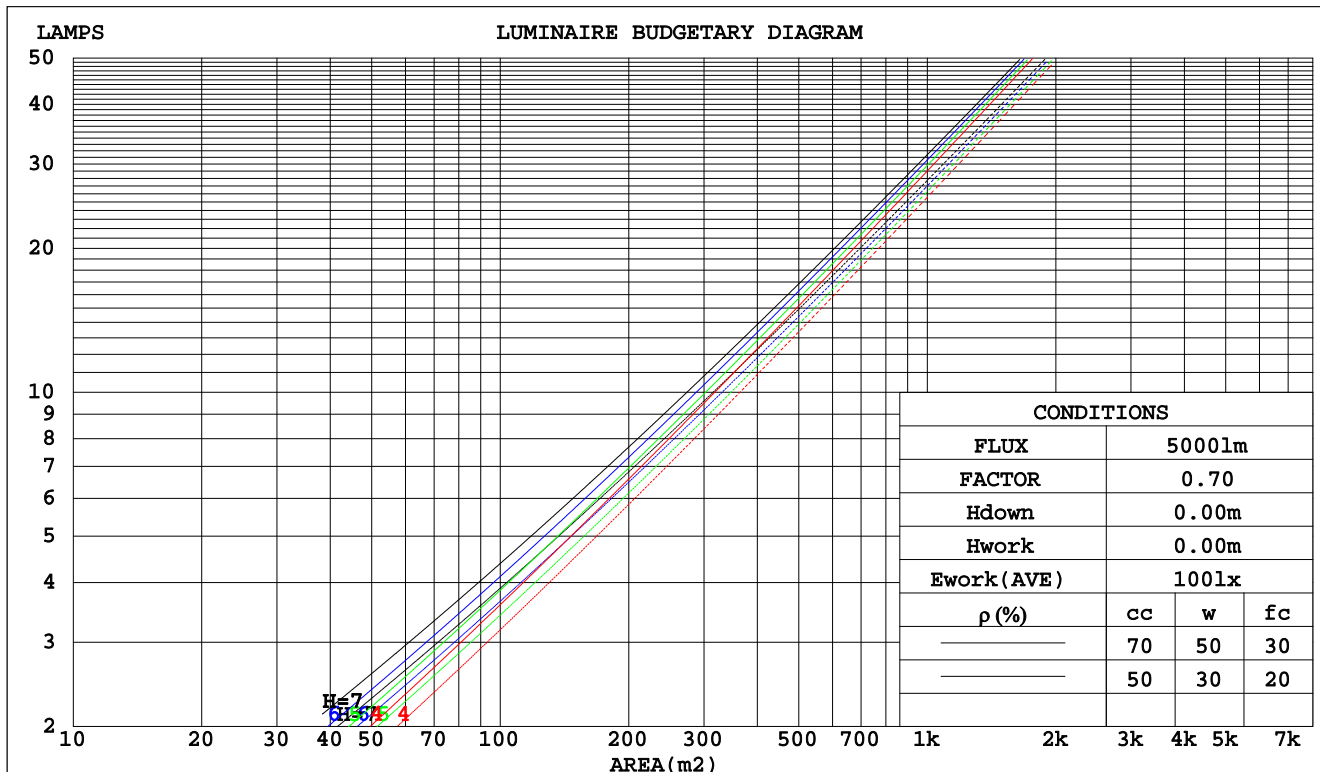
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QiuMing
Test Date:2015-10-21

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 | 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 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 | | | | | | | | | | | | | | |
| 1.0 | 1.10 | 1.07 | 1.05 | 1.08 | 1.05 | 1.03 | 1.03 | 1.01 | .00 | .99 | .97 | .96 | .95 | .94 | .93 | .91 | | | | | | | | | | | | | | |
| 2.0 | 1.02 | .98 | .95 | 1.00 | .96 | .93 | .97 | .94 | .91 | .93 | .91 | .89 | .90 | .88 | .86 | .85 | | | | | | | | | | | | | | |
| 3.0 | .95 | .90 | .86 | .94 | .89 | .85 | .91 | .87 | .84 | .88 | .85 | .82 | .85 | .83 | .80 | .79 | | | | | | | | | | | | | | |
| 4.0 | .89 | .83 | .79 | .88 | .83 | .79 | .85 | .81 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .73 | | | | | | | | | | | | | | |
| 5.0 | .83 | .78 | .73 | .82 | .77 | .73 | .80 | .76 | .72 | .78 | .74 | .71 | .77 | .73 | .70 | .69 | | | | | | | | | | | | | | |
| 6.0 | .78 | .73 | .68 | .78 | .72 | .68 | .76 | .71 | .67 | .74 | .70 | .67 | .73 | .69 | .66 | .65 | | | | | | | | | | | | | | |
| 7.0 | .74 | .68 | .64 | .73 | .68 | .64 | .72 | .67 | .63 | .70 | .66 | .63 | .69 | .65 | .62 | .61 | | | | | | | | | | | | | | |
| 8.0 | .70 | .64 | .60 | .69 | .64 | .60 | .68 | .63 | .60 | .67 | .62 | .59 | .66 | .62 | .59 | .57 | | | | | | | | | | | | | | |
| 9.0 | .66 | .61 | .57 | .66 | .60 | .57 | .65 | .60 | .56 | .64 | .59 | .56 | .63 | .59 | .56 | .54 | | | | | | | | | | | | | | |
| 10.0 | .63 | .57 | .54 | .63 | .57 | .54 | .62 | .57 | .53 | .61 | .56 | .53 | .60 | .56 | .53 | .52 | | | | | | | | | | | | | | |



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 | .183 .104 .033 | .176 .100 .032 | .162 .093 .030 | .149 .086 .028 | .137 .079 .026 | |
| 2.0 | .174 .095 .029 | .168 .092 .028 | .156 .087 .027 | .145 .081 .025 | .135 .076 .024 | |
| 3.0 | .165 .088 .026 | .160 .085 .026 | .149 .081 .025 | .140 .077 .024 | .131 .073 .022 | |
| 4.0 | .156 .081 .024 | .152 .079 .023 | .143 .076 .023 | .134 .072 .022 | .127 .069 .021 | |
| 5.0 | .148 .076 .022 | .144 .074 .022 | .136 .071 .021 | .129 .068 .020 | .122 .065 .020 | |
| 6.0 | .141 .071 .020 | .137 .069 .020 | .130 .067 .019 | .124 .064 .019 | .118 .062 .018 | |
| 7.0 | .134 .066 .019 | .131 .065 .019 | .125 .063 .018 | .119 .061 .018 | .113 .059 .017 | |
| 8.0 | .128 .062 .018 | .125 .061 .017 | .119 .060 .017 | .114 .058 .017 | .109 .056 .016 | |
| 9.0 | .122 .059 .016 | .119 .058 .016 | .114 .056 .016 | .110 .055 .016 | .105 .053 .015 | |
| 10.0 | .117 .056 .016 | .114 .055 .015 | .110 .054 .015 | .105 .052 .015 | .101 .051 .015 | |

| | | | | | | |
|------|-----------------------|----------------|----------------|----------------|----------------|--|
| 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 | .209 .209 .209 | .179 .179 .179 | .122 .122 .122 | .070 .070 .070 | .022 .022 .022 | |
| 1.0 | .190 .176 .163 | .163 .151 .140 | .111 .104 .097 | .064 .060 .056 | .021 .019 .018 | |
| 2.0 | .175 .151 .131 | .150 .130 .113 | .103 .090 .079 | .059 .052 .046 | .019 .017 .015 | |
| 3.0 | .163 .132 .108 | .140 .114 .094 | .096 .079 .066 | .055 .046 .039 | .018 .015 .013 | |
| 4.0 | .153 .118 .091 | .131 .102 .079 | .090 .071 .056 | .052 .042 .033 | .017 .014 .011 | |
| 5.0 | .144 .106 .078 | .124 .092 .068 | .085 .064 .048 | .049 .038 .029 | .016 .012 .009 | |
| 6.0 | .137 .097 .069 | .117 .084 .060 | .081 .059 .042 | .047 .035 .025 | .015 .011 .008 | |
| 7.0 | .130 .090 .061 | .112 .078 .053 | .077 .054 .038 | .045 .032 .022 | .015 .010 .007 | |
| 8.0 | .124 .083 .055 | .107 .072 .048 | .074 .051 .034 | .043 .030 .020 | .014 .010 .007 | |
| 9.0 | .119 .078 .051 | .102 .068 .044 | .071 .048 .031 | .041 .028 .019 | .013 .009 .006 | |
| 10.0 | .114 .074 .047 | .098 .064 .041 | .068 .045 .029 | .040 .027 .017 | .013 .009 .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 | | | | | | 23.0 | 23.9 | 23.2 | 24.1 | 24.3 | 23.2 | 24.1 | 23.4 | 24.3 | 24.5 |
| 3H | | | | | | 22.9 | 23.8 | 23.2 | 24.0 | 24.3 | 23.1 | 24.0 | 23.4 | 24.2 | 24.5 |
| 4H | | | | | | 22.9 | 23.7 | 23.2 | 24.0 | 24.2 | 23.1 | 23.9 | 23.4 | 24.2 | 24.4 |
| 6H | | | | | | 22.8 | 23.6 | 23.2 | 23.9 | 24.2 | 23.0 | 23.8 | 23.3 | 24.1 | 24.3 |
| 8H | | | | | | 22.8 | 23.5 | 23.1 | 23.8 | 24.1 | 23.0 | 23.7 | 23.3 | 24.0 | 24.3 |
| 12H | | | | | | 22.8 | 23.5 | 23.1 | 23.8 | 24.1 | 22.9 | 23.6 | 23.3 | 24.0 | 24.3 |
| 4H 2H | | | | | | 22.8 | 23.6 | 23.1 | 23.8 | 24.1 | 23.0 | 23.8 | 23.3 | 24.0 | 24.3 |
| 3H | | | | | | 22.8 | 23.5 | 23.1 | 23.8 | 24.1 | 23.0 | 23.7 | 23.3 | 24.0 | 24.3 |
| 4H | | | | | | 22.7 | 23.4 | 23.1 | 23.7 | 24.1 | 23.0 | 23.6 | 23.4 | 23.9 | 24.3 |
| 6H | | | | | | 22.7 | 23.2 | 23.1 | 23.6 | 24.0 | 22.9 | 23.5 | 23.3 | 23.8 | 24.2 |
| 8H | | | | | | 22.7 | 23.2 | 23.1 | 23.6 | 24.0 | 22.9 | 23.4 | 23.3 | 23.8 | 24.2 |
| 12H | | | | | | 22.7 | 23.1 | 23.1 | 23.5 | 24.0 | 22.9 | 23.3 | 23.3 | 23.7 | 24.2 |
| 8H 4H | | | | | | 22.6 | 23.1 | 23.1 | 23.5 | 24.0 | 22.9 | 23.4 | 23.3 | 23.8 | 24.2 |
| 6H | | | | | | 22.6 | 23.0 | 23.0 | 23.4 | 23.9 | 22.8 | 23.2 | 23.3 | 23.7 | 24.1 |
| 8H | | | | | | 22.6 | 22.9 | 23.1 | 23.4 | 23.9 | 22.8 | 23.2 | 23.3 | 23.6 | 24.1 |
| 12H | | | | | | 22.6 | 22.9 | 23.1 | 23.4 | 23.9 | 22.8 | 23.1 | 23.3 | 23.6 | 24.1 |
| 12H 4H | | | | | | 22.6 | 23.0 | 23.0 | 23.5 | 23.9 | 22.8 | 23.3 | 23.2 | 23.7 | 24.1 |
| 6H | | | | | | 22.5 | 22.9 | 23.0 | 23.4 | 23.9 | 22.7 | 23.1 | 23.2 | 23.6 | 24.1 |
| 8H | | | | | | 22.5 | 22.9 | 23.0 | 23.3 | 23.9 | 22.7 | 23.1 | 23.2 | 23.5 | 24.1 |
| Variations with the observer position at spacings: | | | | | | | | | | | | | | | |
| S = 1.0H | | | | | | + 2.4 / - 6.4 | | | | | + 2.3 / - 6.4 | | | | |
| 1.5H | | | | | | + 4.5 / - 5.7 | | | | | + 4.5 / - 5.7 | | | | |
| 2.0H | | | | | | + 4.7 / - 2.3 | | | | | + 4.9 / - 2.2 | | | | |

CIE Pub.117 Corrected 598.1 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: 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: |

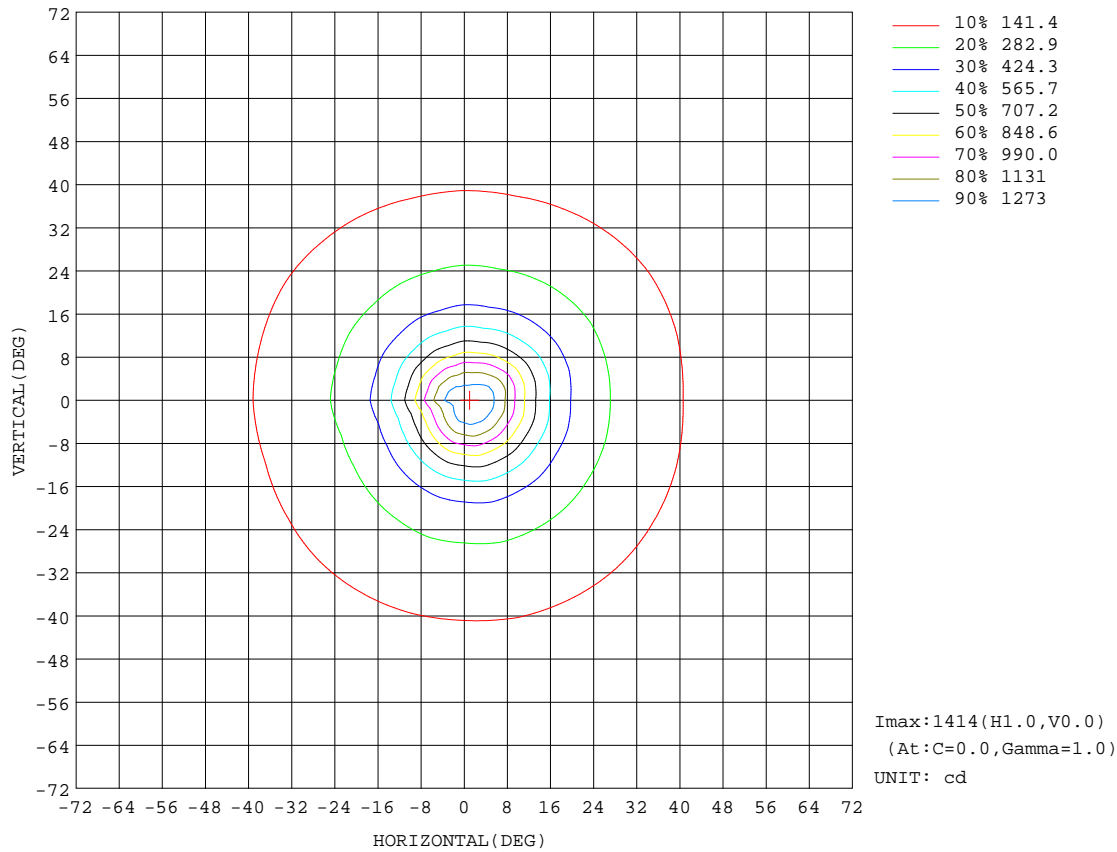
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----|-----------|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 83 | 76 | 72 | 83 | 76 | 72 | 82 | 75 | 72 | 68 |
| 0.80 | 91 | 84 | 80 | 90 | 84 | 80 | 89 | 83 | 80 | 75 |
| 1.00 | 96 | 90 | 86 | 95 | 89 | 85 | 93 | 89 | 85 | 80 |
| 1.25 | 100 | 95 | 91 | 99 | 94 | 90 | 97 | 92 | 89 | 85 |
| 1.50 | 103 | 98 | 94 | 102 | 97 | 94 | 99 | 95 | 92 | 87 |
| 2.00 | 106 | 102 | 98 | 105 | 101 | 97 | 102 | 98 | 96 | 90 |
| 2.50 | 108 | 104 | 101 | 107 | 103 | 100 | 103 | 100 | 98 | 91 |
| 3.00 | 110 | 106 | 103 | 108 | 105 | 102 | 104 | 102 | 100 | 92 |
| 4.00 | 112 | 109 | 107 | 110 | 107 | 105 | 106 | 104 | 102 | 94 |
| 5.00 | 114 | 111 | 109 | 111 | 109 | 107 | 107 | 105 | 104 | 95 |
| 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: |



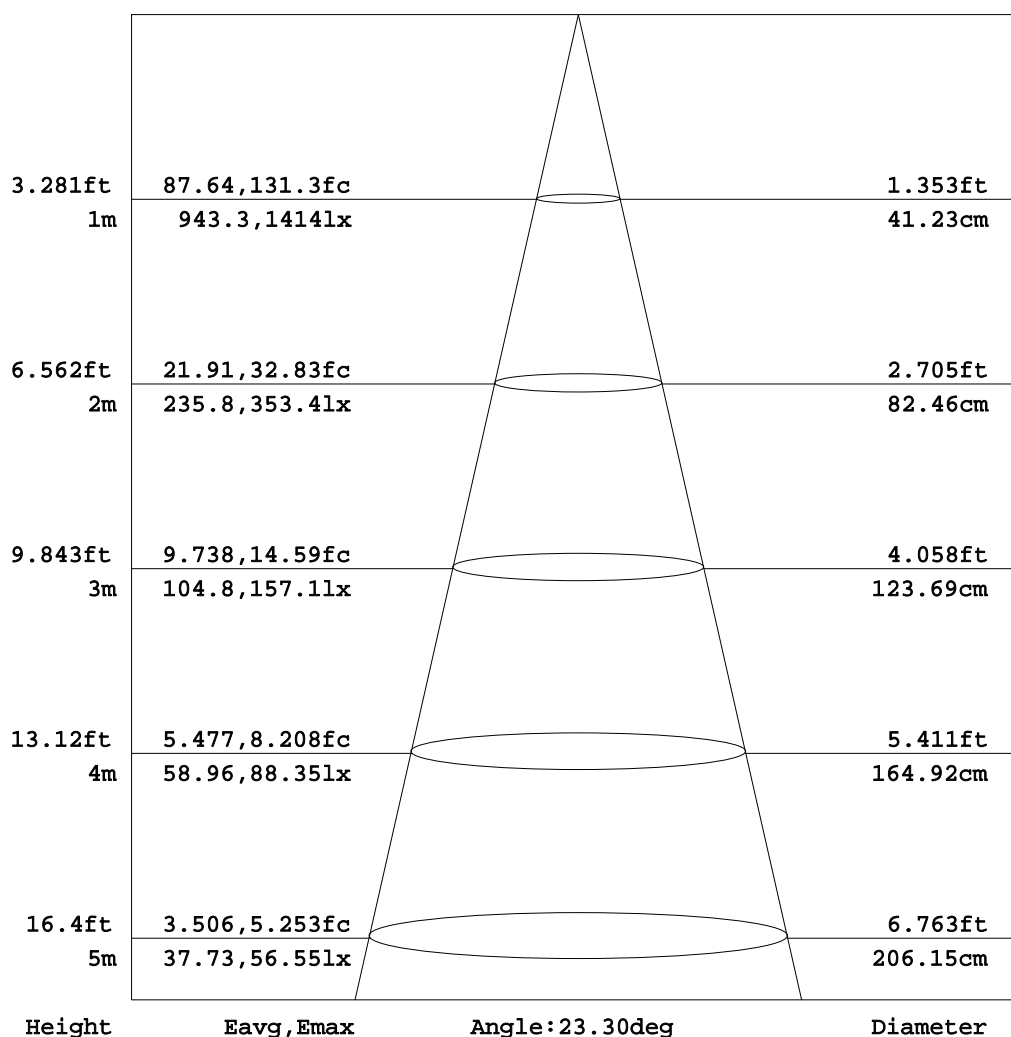
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QiuMing
Test Date: 2015-10-21

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:133.9 lm



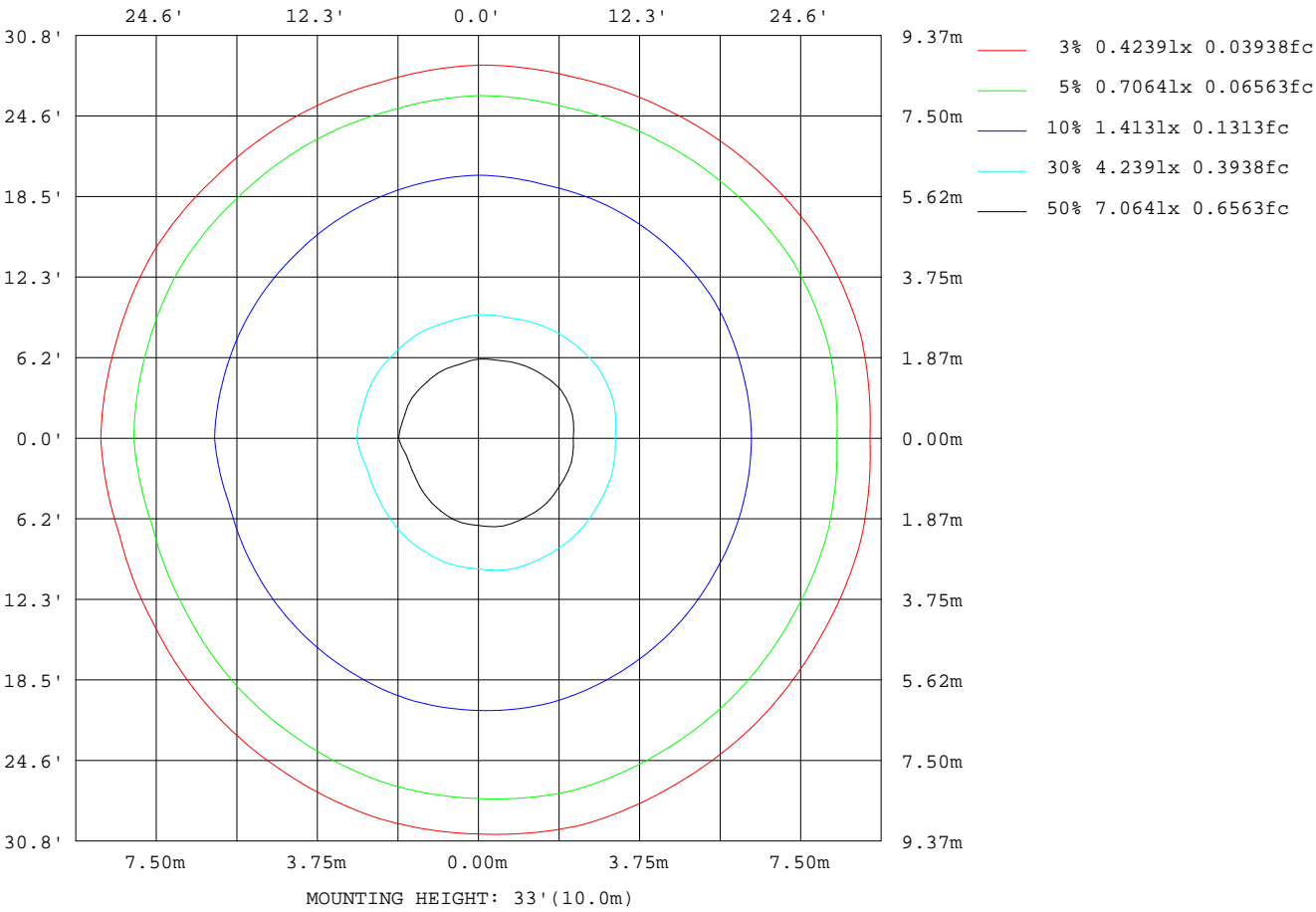
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

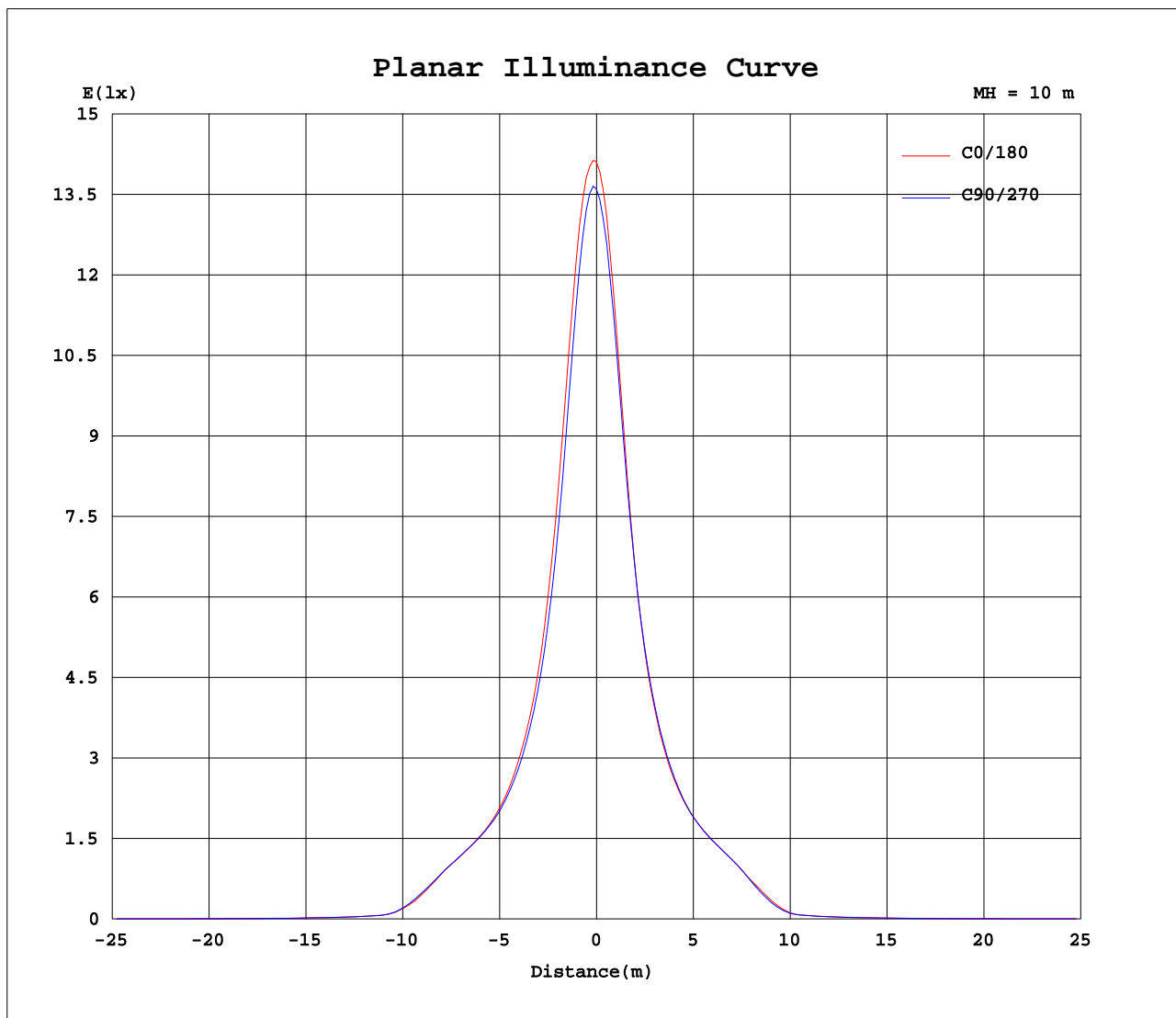
| | | |
|---------------|--------|-------------------|
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



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 | 1411 | 1404 | 1400 | 1391 | 1381 | 1365 | 1360 | 1352 | 1351 | 1349 | 1352 | 1359 | 1411 | 1404 | 1400 | 1391 | 1381 | 1365 | 1360 |
| 5 | 1306 | 1306 | 1288 | 1282 | 1264 | 1259 | 1227 | 1209 | 1173 | 1134 | 1101 | 1099 | 1183 | 1156 | 1156 | 1134 | 1132 | 1116 | 1142 |
| 10 | 938 | 944 | 923 | 918 | 897 | 891 | 851 | 835 | 793 | 753 | 721 | 714 | 780 | 754 | 760 | 743 | 749 | 741 | 770 |
| 15 | 606 | 615 | 604 | 604 | 590 | 585 | 558 | 542 | 523 | 497 | 475 | 471 | 505 | 492 | 497 | 492 | 498 | 496 | 513 |
| 20 | 416 | 421 | 414 | 418 | 412 | 411 | 394 | 388 | 371 | 355 | 341 | 338 | 360 | 352 | 355 | 353 | 357 | 355 | 367 |
| 25 | 311 | 314 | 311 | 313 | 311 | 311 | 301 | 298 | 286 | 277 | 269 | 268 | 281 | 276 | 277 | 274 | 277 | 278 | 283 |
| 30 | 253 | 254 | 252 | 254 | 253 | 255 | 251 | 248 | 241 | 236 | 232 | 230 | 239 | 235 | 233 | 232 | 234 | 235 | 237 |
| 35 | 215 | 218 | 216 | 218 | 219 | 220 | 216 | 212 | 205 | 201 | 194 | 190 | 201 | 198 | 199 | 195 | 196 | 197 | 200 |
| 40 | 153 | 159 | 159 | 161 | 162 | 165 | 157 | 151 | 140 | 130 | 119 | 114 | 127 | 123 | 122 | 115 | 112 | 110 | 119 |
| 45 | 55.1 | 60.0 | 59.5 | 63.2 | 63.3 | 65.8 | 58.6 | 55.1 | 47.0 | 38.0 | 29.9 | 27.8 | 32.7 | 29.3 | 29.8 | 27.6 | 28.0 | 26.8 | 30.1 |
| 50 | 20.2 | 20.8 | 20.6 | 20.7 | 20.7 | 20.8 | 19.8 | 19.3 | 18.3 | 17.8 | 17.1 | 16.8 | 17.4 | 17.0 | 17.1 | 16.9 | 17.0 | 16.6 | 17.1 |
| 55 | 13.7 | 13.9 | 13.7 | 13.9 | 13.8 | 14.0 | 13.5 | 13.3 | 12.8 | 12.5 | 12.1 | 11.9 | 12.4 | 12.2 | 12.2 | 12.0 | 11.9 | 11.7 | 12.0 |
| 60 | 9.47 | 9.62 | 9.55 | 9.72 | 9.74 | 9.91 | 9.69 | 9.40 | 8.93 | 9.11 | 8.99 | 8.90 | 9.25 | 8.83 | 8.88 | 8.81 | 8.69 | 8.48 | 8.63 |
| 65 | 6.78 | 6.70 | 6.65 | 6.93 | 7.15 | 7.25 | 6.80 | 6.49 | 6.33 | 6.65 | 6.93 | 7.02 | 6.92 | 6.60 | 6.60 | 6.64 | 6.80 | 6.64 | 6.62 |
| 70 | 5.07 | 4.92 | 4.85 | 5.14 | 5.55 | 5.63 | 5.02 | 4.62 | 4.28 | 4.69 | 5.11 | 5.20 | 5.01 | 4.50 | 4.66 | 4.99 | 5.40 | 5.43 | 5.13 |
| 75 | 3.33 | 2.56 | 2.19 | 2.69 | 3.38 | 3.45 | 2.36 | 1.80 | 1.45 | 1.66 | 2.03 | 2.08 | 1.91 | 1.56 | 1.75 | 2.30 | 3.16 | 3.22 | 2.78 |
| 80 | 1.50 | 1.34 | 1.31 | 1.31 | 1.34 | 1.28 | 1.21 | 1.16 | 1.16 | 1.16 | 1.19 | 1.19 | 1.24 | 1.23 | 1.23 | 1.29 | 1.33 | 1.40 | 1.39 |
| 85 | 1.31 | 1.26 | 1.26 | 1.23 | 1.21 | 1.16 | 1.15 | 1.11 | 1.11 | 1.07 | 1.08 | 1.07 | 1.32 | 1.20 | 1.21 | 1.25 | 1.26 | 1.31 | 1.33 |
| 90 | 1.11 | 1.08 | 1.05 | 1.01 | 1.00 | 0.99 | 1.00 | 0.97 | 0.98 | 0.97 | 0.98 | 0.97 | 1.14 | 1.12 | 1.13 | 1.13 | 1.13 | 1.14 | 1.16 |
| 95 | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 | 0.97 | 0.99 | 1.23 | 1.21 | 1.23 | 1.21 | 1.22 | 1.21 | 1.22 |
| 100 | 1.04 | 1.05 | 1.03 | 1.04 | 1.01 | 1.03 | 1.01 | 1.03 | 1.03 | 1.05 | 1.05 | 1.07 | 1.34 | 1.33 | 1.34 | 1.33 | 1.34 | 1.34 | 1.34 |
| 105 | 1.16 | 1.17 | 1.14 | 1.16 | 1.13 | 1.15 | 1.14 | 1.16 | 1.16 | 1.20 | 1.20 | 1.23 | 1.48 | 1.47 | 1.48 | 1.47 | 1.48 | 1.47 | 1.47 |
| 110 | 1.34 | 1.34 | 1.32 | 1.33 | 1.31 | 1.32 | 1.32 | 1.33 | 1.35 | 1.38 | 1.39 | 1.41 | 1.64 | 1.63 | 1.64 | 1.63 | 1.64 | 1.63 | 1.63 |
| 115 | 1.55 | 1.54 | 1.52 | 1.53 | 1.51 | 1.51 | 1.52 | 1.54 | 1.55 | 1.59 | 1.61 | 1.63 | 1.84 | 1.82 | 1.84 | 1.82 | 1.83 | 1.82 | 1.82 |
| 120 | 1.79 | 1.78 | 1.76 | 1.76 | 1.74 | 1.75 | 1.76 | 1.78 | 1.80 | 1.84 | 1.87 | 1.89 | 2.08 | 2.07 | 2.08 | 2.07 | 2.07 | 2.06 | 2.05 |
| 125 | 2.08 | 2.07 | 2.05 | 2.05 | 2.03 | 2.04 | 2.05 | 2.07 | 2.11 | 2.16 | 2.20 | 2.22 | 2.40 | 2.39 | 2.40 | 2.38 | 2.39 | 2.37 | 2.35 |
| 130 | 2.46 | 2.44 | 2.43 | 2.42 | 2.41 | 2.41 | 2.43 | 2.46 | 2.50 | 2.57 | 2.62 | 2.64 | 2.78 | 2.78 | 2.78 | 2.77 | 2.77 | 2.76 | 2.73 |
| 135 | 2.91 | 2.89 | 2.88 | 2.87 | 2.85 | 2.86 | 2.88 | 2.91 | 2.95 | 3.02 | 3.06 | 3.08 | 3.20 | 3.19 | 3.20 | 3.18 | 3.18 | 3.16 | 3.14 |
| 140 | 3.36 | 3.34 | 3.31 | 3.31 | 3.30 | 3.29 | 3.31 | 3.34 | 3.37 | 3.43 | 3.46 | 3.49 | 3.58 | 3.57 | 3.57 | 3.55 | 3.55 | 3.53 | 3.51 |
| 145 | 3.73 | 3.71 | 3.69 | 3.68 | 3.67 | 3.66 | 3.67 | 3.69 | 3.70 | 3.75 | 3.76 | 3.79 | 3.88 | 3.85 | 3.86 | 3.84 | 3.84 | 3.81 | 3.80 |
| 150 | 3.98 | 3.98 | 3.94 | 3.95 | 3.91 | 3.92 | 3.91 | 3.92 | 3.92 | 3.96 | 3.97 | 3.99 | 4.08 | 4.06 | 4.06 | 4.03 | 4.03 | 4.00 | 4.00 |
| 155 | 4.17 | 4.17 | 4.13 | 4.13 | 4.10 | 4.10 | 4.08 | 4.10 | 4.09 | 4.12 | 4.12 | 4.15 | 4.24 | 4.21 | 4.21 | 4.18 | 4.18 | 4.15 | 4.15 |
| 160 | 4.36 | 4.35 | 4.32 | 4.31 | 4.27 | 4.28 | 4.27 | 4.27 | 4.27 | 4.29 | 4.30 | 4.32 | 4.41 | 4.38 | 4.39 | 4.36 | 4.36 | 4.33 | 4.33 |
| 165 | 4.51 | 4.51 | 4.48 | 4.47 | 4.44 | 4.44 | 4.41 | 4.42 | 4.41 | 4.42 | 4.41 | 4.44 | 4.54 | 4.50 | 4.51 | 4.48 | 4.48 | 4.45 | 4.45 |
| 170 | 4.61 | 4.61 | 4.57 | 4.58 | 4.54 | 4.54 | 4.50 | 4.51 | 4.48 | 4.48 | 4.46 | 4.48 | 4.60 | 4.57 | 4.57 | 4.53 | 4.53 | 4.50 | 4.51 |
| 175 | 4.64 | 4.65 | 4.60 | 4.60 | 4.58 | 4.56 | 4.52 | 4.52 | 4.48 | 4.48 | 4.47 | 4.49 | 4.63 | 4.58 | 4.58 | 4.54 | 4.54 | 4.50 | 4.51 |
| 180 | 4.70 | 4.69 | 4.64 | 4.64 | 4.61 | 4.60 | 4.57 | 4.56 | 4.55 | 4.54 | 4.54 | 4.55 | 4.70 | 4.67 | 4.66 | 4.62 | 4.62 | 4.58 | 4.58 |

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 | 1352 | 1351 | 1349 | 1352 | 1359 | | | | | | | | | | | | | | |
| 5 | 1149 | 1189 | 1230 | 1282 | 1301 | | | | | | | | | | | | | | |
| 10 | 780 | 829 | 879 | 948 | 964 | | | | | | | | | | | | | | |
| 15 | 517 | 547 | 577 | 618 | 626 | | | | | | | | | | | | | | |
| 20 | 369 | 387 | 406 | 425 | 430 | | | | | | | | | | | | | | |
| 25 | 284 | 294 | 304 | 316 | 316 | | | | | | | | | | | | | | |
| 30 | 237 | 242 | 249 | 253 | 254 | | | | | | | | | | | | | | |
| 35 | 199 | 203 | 212 | 217 | 217 | | | | | | | | | | | | | | |
| 40 | 119 | 129 | 143 | 157 | 160 | | | | | | | | | | | | | | |
| 45 | 30.6 | 36.2 | 47.0 | 56.3 | 59.6 | | | | | | | | | | | | | | |
| 50 | 17.2 | 17.8 | 18.5 | 19.7 | 20.3 | | | | | | | | | | | | | | |
| 55 | 12.0 | 12.4 | 12.8 | 13.6 | 13.8 | | | | | | | | | | | | | | |
| 60 | 8.60 | 8.88 | 9.09 | 9.53 | 9.57 | | | | | | | | | | | | | | |
| 65 | 6.46 | 6.57 | 6.61 | 6.79 | 6.79 | | | | | | | | | | | | | | |
| 70 | 4.85 | 4.97 | 5.10 | 5.42 | 5.37 | | | | | | | | | | | | | | |
| 75 | 2.21 | 2.49 | 3.34 | 4.00 | 3.99 | | | | | | | | | | | | | | |
| 80 | 1.38 | 1.38 | 1.52 | 1.72 | 1.73 | | | | | | | | | | | | | | |
| 85 | 1.36 | 1.35 | 1.36 | 1.35 | 1.33 | | | | | | | | | | | | | | |
| 90 | 1.20 | 1.21 | 1.24 | 1.22 | 1.22 | | | | | | | | | | | | | | |
| 95 | 1.19 | 1.20 | 1.16 | 1.17 | 1.14 | | | | | | | | | | | | | | |
| 100 | 1.31 | 1.31 | 1.28 | 1.27 | 1.25 | | | | | | | | | | | | | | |
| 105 | 1.45 | 1.44 | 1.41 | 1.40 | 1.38 | | | | | | | | | | | | | | |
| 110 | 1.61 | 1.60 | 1.56 | 1.55 | 1.53 | | | | | | | | | | | | | | |
| 115 | 1.79 | 1.78 | 1.74 | 1.72 | 1.69 | | | | | | | | | | | | | | |
| 120 | 2.02 | 1.99 | 1.94 | 1.93 | 1.90 | | | | | | | | | | | | | | |
| 125 | 2.31 | 2.28 | 2.22 | 2.19 | 2.16 | | | | | | | | | | | | | | |
| 130 | 2.69 | 2.64 | 2.57 | 2.53 | 2.50 | | | | | | | | | | | | | | |
| 135 | 3.10 | 3.05 | 2.97 | 2.93 | 2.90 | | | | | | | | | | | | | | |
| 140 | 3.47 | 3.43 | 3.36 | 3.33 | 3.30 | | | | | | | | | | | | | | |
| 145 | 3.76 | 3.73 | 3.68 | 3.66 | 3.63 | | | | | | | | | | | | | | |
| 150 | 3.96 | 3.95 | 3.91 | 3.89 | 3.88 | | | | | | | | | | | | | | |
| 155 | 4.11 | 4.11 | 4.06 | 4.06 | 4.04 | | | | | | | | | | | | | | |
| 160 | 4.30 | 4.28 | 4.25 | 4.24 | 4.22 | | | | | | | | | | | | | | |
| 165 | 4.42 | 4.43 | 4.39 | 4.40 | 4.38 | | | | | | | | | | | | | | |
| 170 | 4.48 | 4.49 | 4.47 | 4.49 | 4.47 | | | | | | | | | | | | | | |
| 175 | 4.48 | 4.50 | 4.48 | 4.51 | 4.50 | | | | | | | | | | | | | | |
| 180 | 4.55 | 4.55 | 4.53 | 4.54 | 4.54 | | | | | | | | | | | | | | |

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: