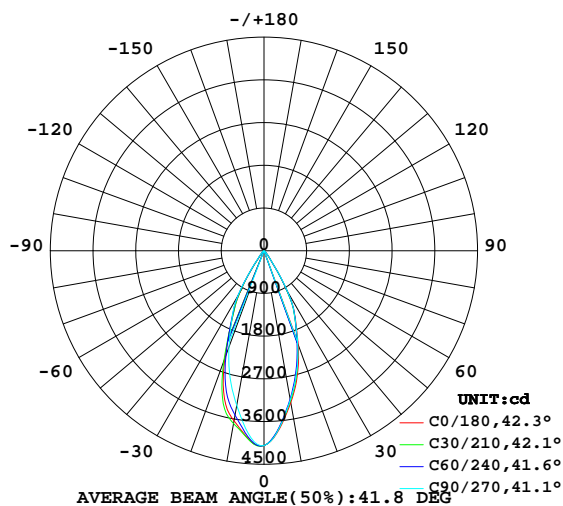


LUMINAIRE PHOTOMETRIC TEST REPORT

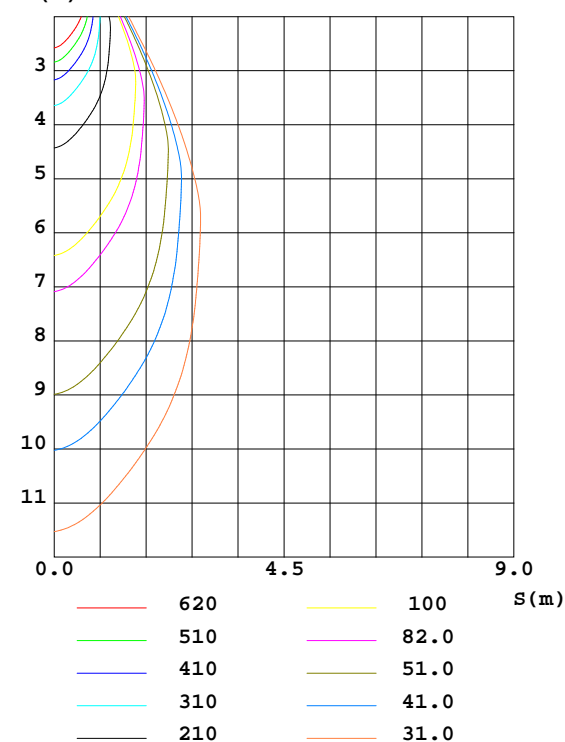
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 83.05 lm/W | | | |
|------------------|-------------------|----------------------------------|--------|------------------------|----------|
| MODEL | TL31-30W-930-W-45 | Imax(cd) | 4120 | S/MH(C0/180) | 0.65 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.63 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2283.8 | η UP,DN(C0-180) | 1.3,47.7 |
| NOMINAL FLUX(lm) | 2283.84 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,49.7 |
| LAMPS INSIDE | 1 | η up(%) | 2.6 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.4 | CIBSE SHR MAX | 0.75 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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 | 3248 | 3202 | 3195 | 3355 | 3640 | 3609 | 3308 | 3187 | 0- 10 | 349.5 | 349.5 | 15.3,15.3 |
| 20 | 2107 | 2063 | 2079 | 2187 | 2412 | 2383 | 2160 | 2011 | 10- 20 | 777.6 | 1127 | 49.4,49.4 |
| 30 | 976.5 | 997.8 | 993.0 | 1047 | 1037 | 1052 | 1117 | 1014 | 20- 30 | 720.3 | 1847 | 80.9,80.9 |
| 40 | 126.4 | 130.5 | 129.5 | 136.5 | 121.6 | 120.4 | 152.4 | 150.3 | 30- 40 | 264.0 | 2111 | 92.5,92.5 |
| 50 | 36.45 | 37.47 | 37.34 | 37.56 | 35.74 | 35.89 | 41.72 | 43.26 | 40- 50 | 56.22 | 2168 | 94.9,94.9 |
| 60 | 18.71 | 19.20 | 19.24 | 19.47 | 19.05 | 19.20 | 19.88 | 19.43 | 50- 60 | 23.83 | 2192 | 96,96 |
| 70 | 11.94 | 12.22 | 12.22 | 12.45 | 12.03 | 12.20 | 12.54 | 12.06 | 60- 70 | 15.27 | 2207 | 96.6,96.6 |
| 80 | 7.347 | 7.452 | 7.436 | 7.631 | 7.783 | 7.919 | 7.979 | 7.791 | 70- 80 | 10.36 | 2217 | 97.1,97.1 |
| 90 | 4.194 | 4.206 | 4.254 | 4.701 | 5.071 | 5.065 | 5.104 | 5.231 | 80- 90 | 6.667 | 2224 | 97.4,97.4 |
| 100 | 4.207 | 4.254 | 4.236 | 4.411 | 5.429 | 5.422 | 5.418 | 5.495 | 90-100 | 5.182 | 2229 | 97.6,97.6 |
| 110 | 5.164 | 5.200 | 5.245 | 5.173 | 6.321 | 6.336 | 6.333 | 6.341 | 100-110 | 5.516 | 2235 | 97.8,97.8 |
| 120 | 7.369 | 7.382 | 7.340 | 7.215 | 8.147 | 8.157 | 8.148 | 8.221 | 110-120 | 6.600 | 2241 | 98.1,98.1 |
| 130 | 10.66 | 10.67 | 10.60 | 10.33 | 10.87 | 10.90 | 10.90 | 11.15 | 120-130 | 8.208 | 2249 | 98.5,98.5 |
| 140 | 14.14 | 14.16 | 14.18 | 13.93 | 14.11 | 14.14 | 14.22 | 14.47 | 130-140 | 9.629 | 2259 | 98.9,98.9 |
| 150 | 16.87 | 16.90 | 16.90 | 16.79 | 16.96 | 16.99 | 16.98 | 17.14 | 140-150 | 9.800 | 2269 | 99.3,99.3 |
| 160 | 17.99 | 18.00 | 18.04 | 18.00 | 18.16 | 18.17 | 18.17 | 18.18 | 150-160 | 8.155 | 2277 | 99.7,99.7 |
| 170 | 18.00 | 18.16 | 18.32 | 18.31 | 18.43 | 18.41 | 18.47 | 18.44 | 160-170 | 5.166 | 2282 | 99.9,99.9 |
| 180 | 18.65 | 18.71 | 18.73 | 18.75 | 18.67 | 18.71 | 18.73 | 18.75 | 170-180 | 1.760 | 2284 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

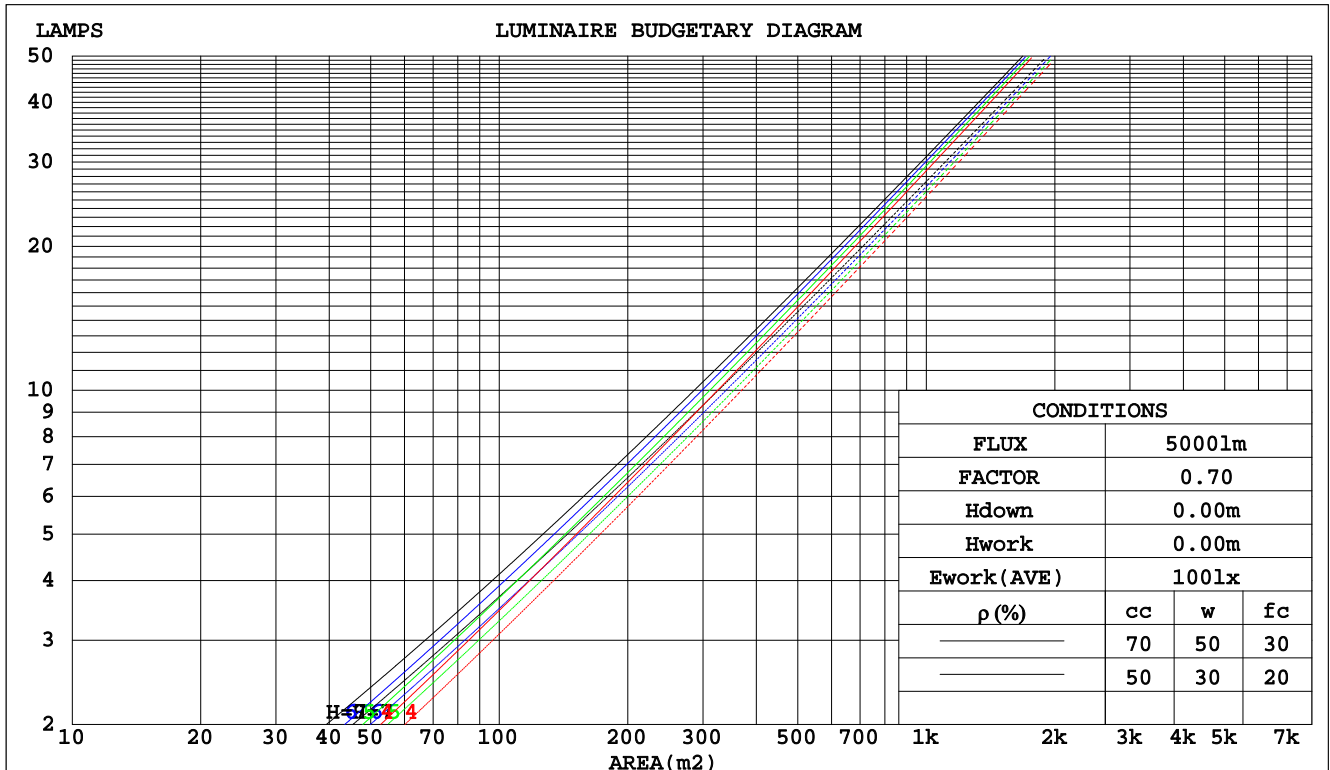
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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

WEC AND CCEC

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|-----------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| p _{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .172 | .098 | .031 | .165 | .094 | .030 | .151 | .087 | .028 | .138 | .080 | .026 | .126 | .073 | .024 | | |
| 2.0 | .162 | .089 | .027 | .156 | .086 | .026 | .144 | .080 | .025 | .133 | .075 | .023 | .123 | .069 | .022 | | |
| 3.0 | .153 | .081 | .024 | .147 | .079 | .024 | .137 | .074 | .023 | .128 | .070 | .021 | .119 | .066 | .020 | | |
| 4.0 | .144 | .075 | .022 | .140 | .073 | .022 | .131 | .069 | .021 | .122 | .066 | .020 | .115 | .062 | .019 | | |
| 5.0 | .137 | .070 | .020 | .133 | .068 | .020 | .125 | .065 | .019 | .118 | .062 | .018 | .111 | .059 | .018 | | |
| 6.0 | .130 | .065 | .019 | .126 | .064 | .018 | .120 | .061 | .018 | .113 | .059 | .017 | .107 | .056 | .017 | | |
| 7.0 | .124 | .061 | .017 | .121 | .060 | .017 | .115 | .058 | .017 | .109 | .056 | .016 | .104 | .054 | .016 | | |
| 8.0 | .118 | .058 | .016 | .116 | .057 | .016 | .110 | .055 | .016 | .105 | .053 | .015 | .100 | .051 | .015 | | |
| 9.0 | .113 | .055 | .015 | .111 | .054 | .015 | .106 | .052 | .015 | .101 | .051 | .015 | .097 | .049 | .014 | | |
| 10.0 | .109 | .052 | .014 | .106 | .051 | .014 | .102 | .050 | .014 | .098 | .048 | .014 | .094 | .047 | .014 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----------------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| p _w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| p _{fc} | 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 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .191 | .178 | .165 | .163 | .152 | .142 | .112 | .105 | .098 | .064 | .061 | .057 | .021 | .020 | .019 | |
| 2.0 | .175 | .153 | .134 | .150 | .132 | .116 | .103 | .091 | .081 | .059 | .053 | .047 | .019 | .017 | .015 | |
| 3.0 | .162 | .134 | .111 | .139 | .116 | .097 | .096 | .080 | .068 | .055 | .047 | .040 | .018 | .015 | .013 | |
| 4.0 | .152 | .119 | .094 | .130 | .103 | .082 | .089 | .072 | .058 | .052 | .042 | .034 | .017 | .014 | .011 | |
| 5.0 | .142 | .107 | .082 | .122 | .093 | .071 | .084 | .065 | .050 | .049 | .038 | .030 | .016 | .012 | .010 | |
| 6.0 | .135 | .098 | .072 | .116 | .085 | .063 | .080 | .059 | .044 | .046 | .035 | .026 | .015 | .011 | .009 | |
| 7.0 | .128 | .090 | .064 | .110 | .078 | .056 | .076 | .055 | .040 | .044 | .032 | .024 | .014 | .011 | .008 | |
| 8.0 | .122 | .084 | .058 | .105 | .073 | .051 | .073 | .051 | .036 | .042 | .030 | .021 | .014 | .010 | .007 | |
| 9.0 | .117 | .079 | .053 | .101 | .068 | .046 | .070 | .048 | .033 | .041 | .028 | .020 | .013 | .009 | .007 | |
| 10.0 | .112 | .074 | .049 | .097 | .065 | .043 | .067 | .045 | .030 | .039 | .027 | .018 | .013 | .009 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 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 | 16.1 | 17.0 | 16.4 | 17.2 | 17.4 | 16.3 | 17.1 | 16.5 | 17.3 | 17.6 | |
| | 3H | 16.2 | 17.0 | 16.5 | 17.2 | 17.5 | 16.4 | 17.2 | 16.7 | 17.4 | 17.6 |
| | 4H | 16.3 | 17.0 | 16.6 | 17.3 | 17.6 | 16.4 | 17.2 | 16.8 | 17.5 | 17.7 |
| | 6H | 16.4 | 17.1 | 16.7 | 17.4 | 17.7 | 16.6 | 17.3 | 16.9 | 17.5 | 17.8 |
| | 8H | 16.5 | 17.2 | 16.8 | 17.5 | 17.8 | 16.6 | 17.3 | 17.0 | 17.6 | 17.9 |
| | 12H | 16.6 | 17.3 | 17.0 | 17.6 | 17.9 | 16.8 | 17.4 | 17.1 | 17.7 | 18.0 |
| 4H | 2H | 16.0 | 16.7 | 16.3 | 17.0 | 17.3 | 16.1 | 16.9 | 16.5 | 17.1 | 17.4 |
| | 3H | 16.2 | 16.8 | 16.5 | 17.1 | 17.4 | 16.3 | 17.0 | 16.7 | 17.3 | 17.6 |
| | 4H | 16.3 | 16.9 | 16.7 | 17.3 | 17.6 | 16.5 | 17.1 | 16.9 | 17.4 | 17.8 |
| | 6H | 16.6 | 17.1 | 17.0 | 17.5 | 17.9 | 16.7 | 17.2 | 17.1 | 17.6 | 18.0 |
| | 8H | 16.7 | 17.2 | 17.2 | 17.6 | 18.0 | 16.9 | 17.4 | 17.3 | 17.7 | 18.2 |
| | 12H | 17.0 | 17.4 | 17.4 | 17.8 | 18.3 | 17.1 | 17.5 | 17.5 | 17.9 | 18.4 |
| 8H | 4H | 16.3 | 16.8 | 16.8 | 17.2 | 17.6 | 16.5 | 17.0 | 16.9 | 17.4 | 17.8 |
| | 6H | 16.7 | 17.1 | 17.2 | 17.5 | 18.0 | 16.8 | 17.2 | 17.3 | 17.7 | 18.1 |
| | 8H | 17.0 | 17.3 | 17.5 | 17.8 | 18.3 | 17.1 | 17.4 | 17.6 | 17.9 | 18.4 |
| | 12H | 17.3 | 17.6 | 17.8 | 18.1 | 18.6 | 17.4 | 17.7 | 18.0 | 18.2 | 18.8 |
| 12H | 4H | 16.3 | 16.8 | 16.8 | 17.2 | 17.6 | 16.5 | 16.9 | 16.9 | 17.3 | 17.8 |
| | 6H | 16.7 | 17.1 | 17.2 | 17.5 | 18.0 | 16.9 | 17.2 | 17.3 | 17.7 | 18.2 |
| | 8H | 17.0 | 17.3 | 17.6 | 17.8 | 18.4 | 17.2 | 17.5 | 17.7 | 18.0 | 18.5 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.5 / - 1.4 | | | | | + 1.4 / - 1.4 | | | | | |
| 1.5H | + 2.9 / - 1.2 | | | | | + 2.8 / - 1.3 | | | | | |
| 2.0H | + 1.3 / - 0.5 | | | | | + 1.4 / - 0.5 | | | | | |

CIE Pub.117 Corrected 2284 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

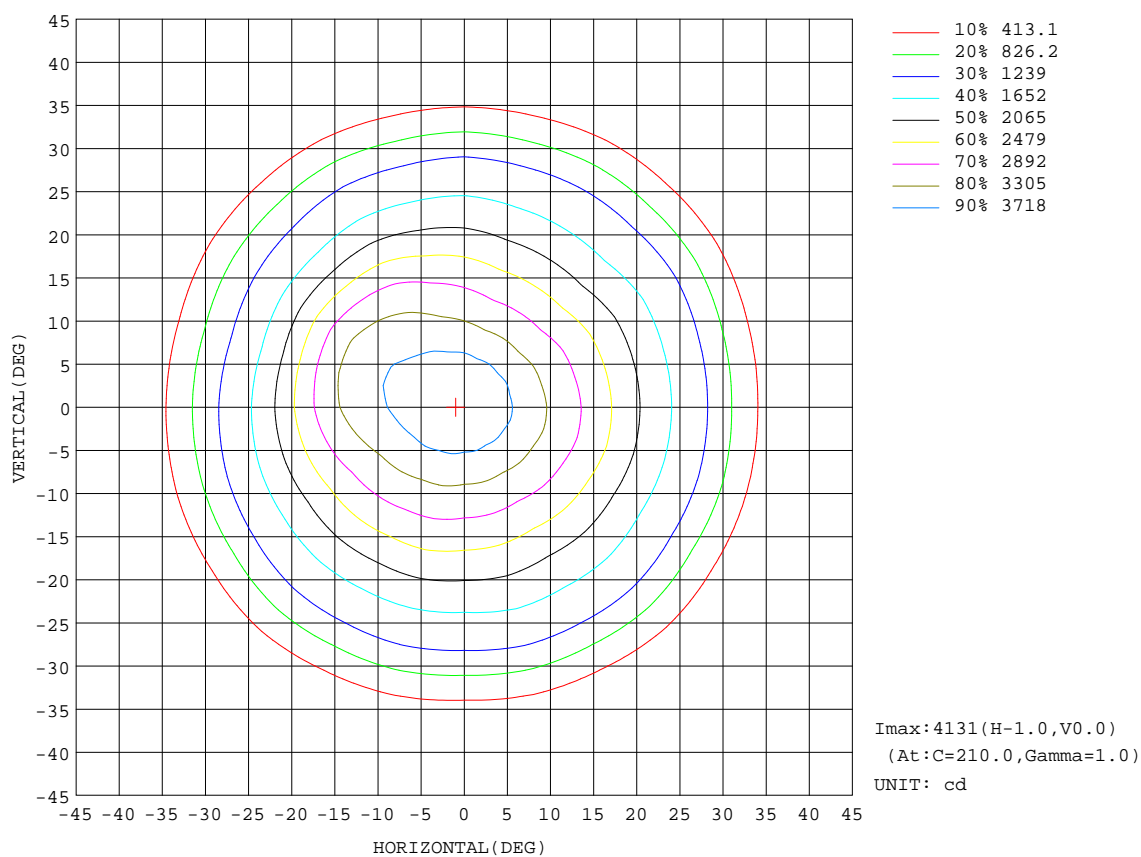
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 87 | 81 | 77 | 86 | 80 | 77 | 85 | 80 | 77 | 73 |
| 0.80 | 94 | 88 | 85 | 93 | 88 | 84 | 92 | 87 | 84 | 80 |
| 1.00 | 98 | 93 | 89 | 97 | 92 | 89 | 96 | 92 | 88 | 84 |
| 1.25 | 102 | 97 | 94 | 101 | 96 | 93 | 99 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 99 | 96 | 101 | 97 | 95 | 90 |
| 2.00 | 108 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 92 |
| 2.50 | 109 | 105 | 102 | 107 | 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 | 107 | 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:ZhangXiao
Test Date:2016-08-15

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

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



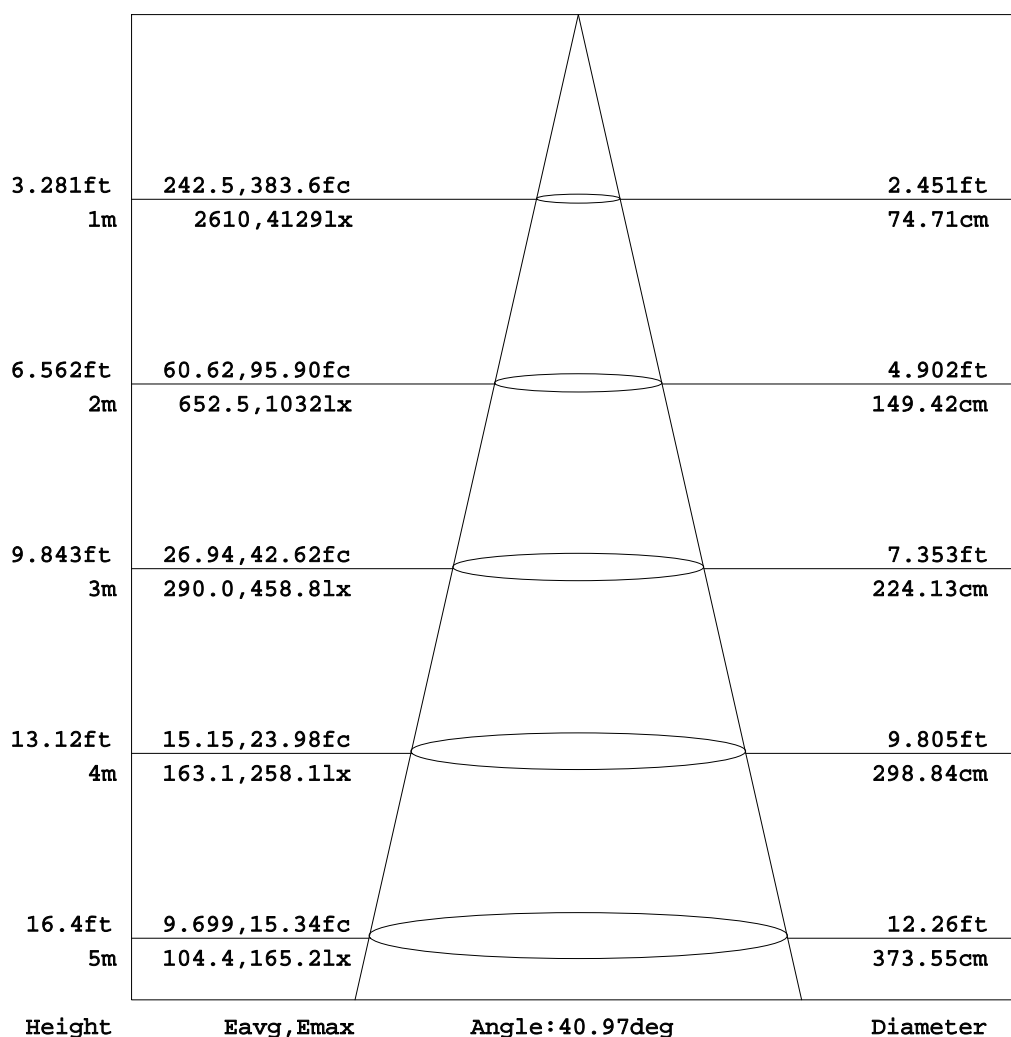
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:1208 lm



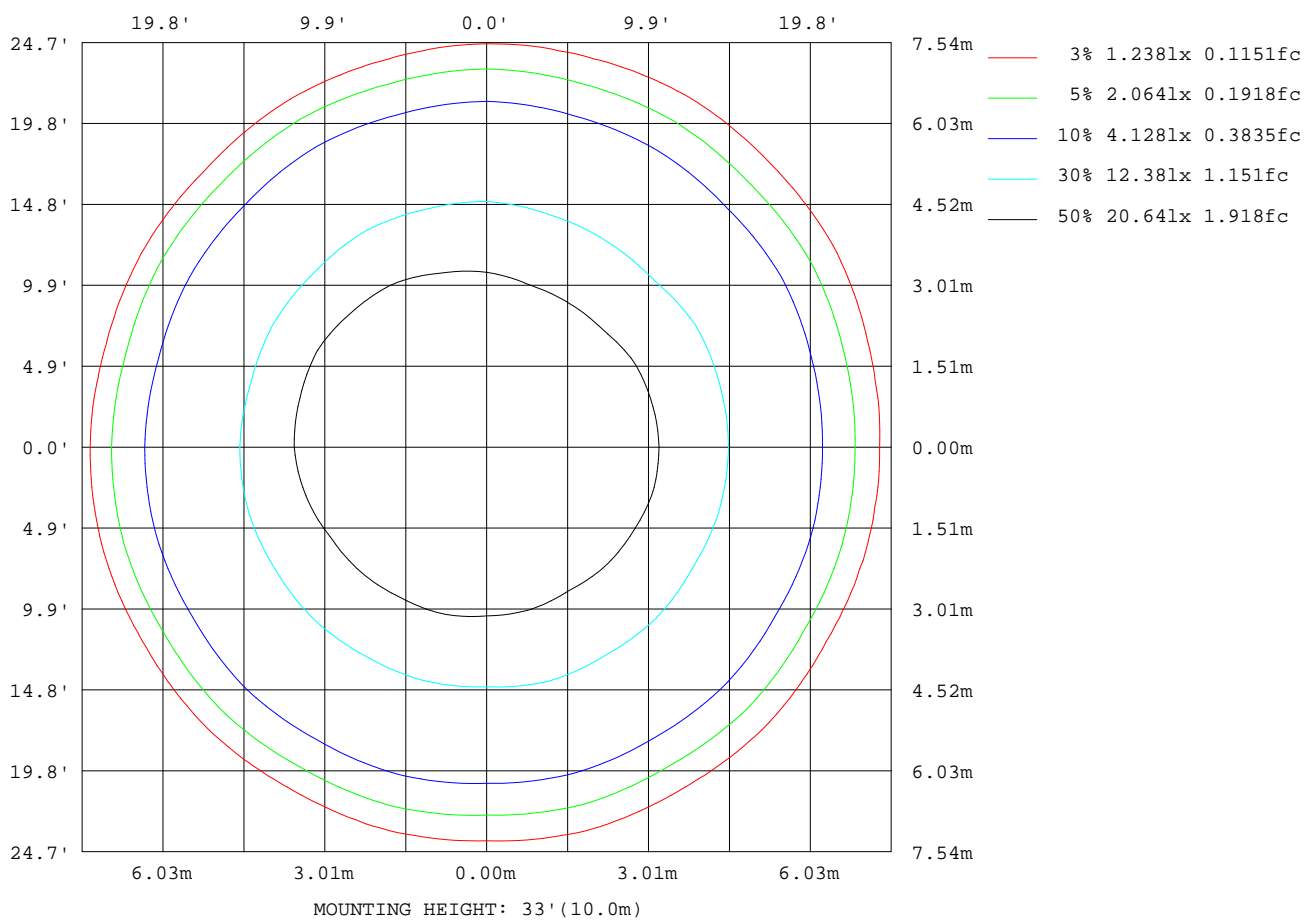
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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

ISOLUX DIAGRAM

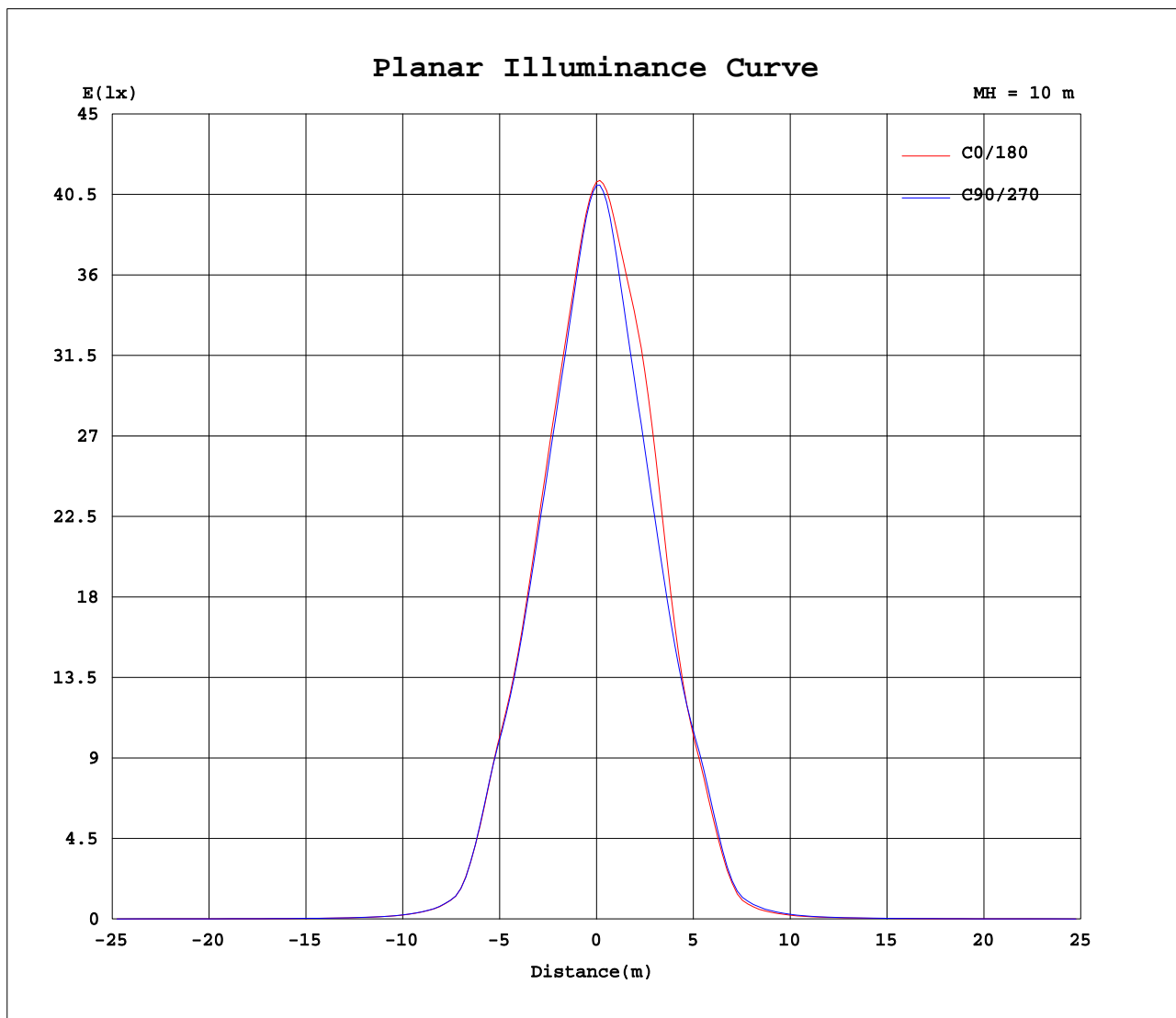
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-15

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

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | | | | | | | | | | | | | | | | | | |
| 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 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 | 4104 |
| 5 | 3766 | 3764 | 3740 | 3743 | 3723 | 3745 | 3744 | 3786 | 3805 | 3860 | 3884 | 3936 | 3960 | 3965 | 3974 | 3940 | 3930 | 3873 | 3858 |
| 10 | 3248 | 3249 | 3215 | 3202 | 3172 | 3189 | 3195 | 3246 | 3277 | 3355 | 3420 | 3538 | 3640 | 3693 | 3698 | 3609 | 3517 | 3383 | 3308 |
| 15 | 2717 | 2721 | 2671 | 2653 | 2610 | 2644 | 2656 | 2717 | 2744 | 2821 | 2892 | 3069 | 3227 | 3303 | 3326 | 3195 | 3072 | 2877 | 2767 |
| 20 | 2107 | 2097 | 2062 | 2063 | 2038 | 2080 | 2079 | 2125 | 2135 | 2187 | 2221 | 2332 | 2412 | 2423 | 2474 | 2383 | 2345 | 2217 | 2160 |
| 25 | 1556 | 1549 | 1525 | 1555 | 1543 | 1571 | 1538 | 1562 | 1555 | 1587 | 1583 | 1615 | 1601 | 1565 | 1597 | 1588 | 1627 | 1602 | 1608 |
| 30 | 977 | 984 | 953 | 998 | 979 | 1021 | 993 | 1034 | 1013 | 1047 | 1021 | 1048 | 1037 | 1006 | 1043 | 1052 | 1107 | 1086 | 1117 |
| 35 | 310 | 314 | 298 | 317 | 305 | 327 | 310 | 333 | 325 | 352 | 342 | 368 | 365 | 341 | 363 | 356 | 384 | 373 | 391 |
| 40 | 126 | 126 | 125 | 130 | 131 | 137 | 130 | 135 | 129 | 137 | 128 | 128 | 122 | 117 | 119 | 120 | 136 | 139 | 152 |
| 45 | 63.6 | 63.2 | 62.6 | 65.4 | 66.7 | 67.1 | 66.4 | 66.1 | 64.6 | 66.0 | 64.4 | 64.7 | 62.0 | 59.4 | 61.1 | 61.7 | 67.1 | 70.8 | 76.0 |
| 50 | 36.4 | 36.3 | 36.3 | 37.5 | 37.5 | 37.9 | 37.3 | 37.7 | 37.2 | 37.6 | 37.1 | 37.2 | 35.7 | 34.9 | 35.6 | 35.9 | 37.9 | 39.0 | 41.7 |
| 55 | 24.8 | 24.8 | 24.9 | 25.4 | 25.4 | 25.5 | 25.4 | 25.6 | 25.5 | 25.7 | 25.6 | 25.8 | 25.0 | 24.7 | 25.1 | 25.2 | 25.9 | 26.1 | 27.0 |
| 60 | 18.7 | 18.8 | 18.9 | 19.2 | 19.2 | 19.2 | 19.2 | 19.4 | 19.3 | 19.5 | 19.5 | 19.7 | 19.1 | 18.8 | 19.2 | 19.2 | 19.6 | 19.5 | 19.9 |
| 65 | 15.0 | 15.0 | 15.1 | 15.3 | 15.3 | 15.3 | 15.4 | 15.5 | 15.4 | 15.5 | 15.5 | 15.6 | 14.9 | 14.8 | 15.0 | 15.1 | 15.4 | 15.4 | 15.6 |
| 70 | 11.9 | 12.0 | 12.0 | 12.2 | 12.2 | 12.2 | 12.2 | 12.4 | 12.3 | 12.4 | 12.4 | 12.4 | 12.0 | 12.0 | 12.1 | 12.2 | 12.4 | 12.4 | 12.5 |
| 75 | 9.37 | 9.46 | 9.46 | 9.63 | 9.52 | 9.61 | 9.66 | 9.81 | 9.78 | 9.89 | 9.83 | 9.82 | 9.74 | 9.79 | 9.86 | 9.91 | 10.1 | 10.0 | 10.1 |
| 80 | 7.35 | 7.43 | 7.38 | 7.45 | 7.42 | 7.43 | 7.44 | 7.52 | 7.49 | 7.63 | 7.56 | 7.59 | 7.78 | 7.82 | 7.89 | 7.92 | 7.99 | 7.94 | 7.98 |
| 85 | 5.64 | 5.72 | 5.65 | 5.72 | 5.70 | 5.75 | 5.74 | 5.81 | 5.79 | 6.10 | 5.86 | 5.86 | 6.32 | 6.32 | 6.38 | 6.38 | 6.46 | 6.42 | 6.47 |
| 90 | 4.19 | 4.26 | 4.21 | 4.21 | 4.22 | 4.20 | 4.25 | 4.27 | 4.32 | 4.70 | 4.39 | 4.33 | 5.07 | 5.09 | 5.06 | 5.07 | 5.10 | 5.11 | 5.10 |
| 95 | 4.15 | 4.18 | 4.18 | 4.17 | 4.19 | 4.17 | 4.19 | 4.19 | 4.23 | 4.56 | 4.32 | 4.26 | 5.22 | 5.23 | 5.22 | 5.22 | 5.22 | 5.23 | 5.22 |
| 100 | 4.21 | 4.23 | 4.24 | 4.25 | 4.24 | 4.24 | 4.24 | 4.25 | 4.25 | 4.41 | 4.27 | 4.27 | 5.43 | 5.42 | 5.42 | 5.42 | 5.43 | 5.46 | 5.42 |
| 105 | 4.55 | 4.55 | 4.58 | 4.58 | 4.60 | 4.59 | 4.60 | 4.58 | 4.58 | 4.59 | 4.54 | 4.53 | 5.77 | 5.77 | 5.76 | 5.77 | 5.76 | 5.78 | 5.77 |
| 110 | 5.16 | 5.15 | 5.20 | 5.20 | 5.25 | 5.24 | 5.24 | 5.21 | 5.22 | 5.17 | 5.14 | 5.09 | 6.32 | 6.35 | 6.32 | 6.34 | 6.31 | 6.34 | 6.33 |
| 115 | 6.10 | 6.07 | 6.14 | 6.13 | 6.20 | 6.14 | 6.16 | 6.09 | 6.12 | 6.06 | 6.05 | 5.97 | 7.11 | 7.15 | 7.11 | 7.12 | 7.09 | 7.12 | 7.12 |
| 120 | 7.37 | 7.33 | 7.42 | 7.38 | 7.45 | 7.33 | 7.34 | 7.25 | 7.28 | 7.21 | 7.23 | 7.15 | 8.15 | 8.18 | 8.14 | 8.16 | 8.12 | 8.16 | 8.15 |
| 125 | 8.92 | 8.89 | 8.99 | 8.92 | 8.95 | 8.84 | 8.83 | 8.72 | 8.74 | 8.64 | 8.67 | 8.58 | 9.40 | 9.43 | 9.39 | 9.42 | 9.37 | 9.43 | 9.40 |
| 130 | 10.7 | 10.6 | 10.7 | 10.7 | 10.7 | 10.6 | 10.6 | 10.5 | 10.5 | 10.3 | 10.4 | 10.3 | 10.9 | 10.9 | 10.8 | 10.9 | 10.9 | 10.9 | 10.9 |
| 135 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.4 | 12.5 | 12.3 | 12.3 | 12.2 | 12.2 | 12.1 | 12.5 | 12.5 | 12.4 | 12.5 | 12.5 | 12.6 | 12.6 |
| 140 | 14.1 | 14.1 | 14.2 | 14.2 | 14.2 | 14.1 | 14.2 | 14.1 | 14.0 | 13.9 | 13.9 | 13.8 | 14.1 | 14.1 | 14.1 | 14.1 | 14.2 | 14.2 | 14.2 |
| 145 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.6 | 15.6 | 15.5 | 15.5 | 15.6 | 15.7 | 15.7 | 15.6 | 15.7 | 15.8 | 15.8 | 15.7 |
| 150 | 16.9 | 16.9 | 17.0 | 16.9 | 16.9 | 16.9 | 16.9 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 17.0 | 17.0 | 16.9 | 17.0 | 17.0 | 17.0 | 17.0 |
| 155 | 17.6 | 17.6 | 17.7 | 17.7 | 17.7 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |
| 160 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.2 | 18.2 | 18.2 | 18.2 | 18.1 | 18.2 | 18.2 |
| 165 | 18.0 | 18.0 | 18.0 | 18.1 | 18.1 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.3 | 18.3 | 18.3 | 18.3 | 18.4 | 18.4 | 18.4 |
| 170 | 18.0 | 18.0 | 18.1 | 18.2 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.5 |
| 175 | 18.3 | 18.3 | 18.4 | 18.4 | 18.5 | 18.4 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.6 | 18.6 |
| 180 | 18.6 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.8 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.50W PF:0.9610 Lamp Flux:2283.84x1 lm | | |
| 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 | 4104 | 4104 | 4104 | 4104 | 4104 | | | | | | | | | | | | | | |
| 5 | 3812 | 3811 | 3782 | 3792 | 3773 | | | | | | | | | | | | | | |
| 10 | 3218 | 3206 | 3187 | 3235 | 3239 | | | | | | | | | | | | | | |
| 15 | 2647 | 2628 | 2613 | 2693 | 2709 | | | | | | | | | | | | | | |
| 20 | 2062 | 2033 | 2011 | 2097 | 2103 | | | | | | | | | | | | | | |
| 25 | 1557 | 1535 | 1509 | 1567 | 1559 | | | | | | | | | | | | | | |
| 30 | 1068 | 1056 | 1014 | 1038 | 992 | | | | | | | | | | | | | | |
| 35 | 370 | 373 | 343 | 351 | 322 | | | | | | | | | | | | | | |
| 40 | 151 | 156 | 150 | 149 | 133 | | | | | | | | | | | | | | |
| 45 | 78.1 | 82.1 | 78.8 | 75.3 | 68.7 | | | | | | | | | | | | | | |
| 50 | 42.9 | 44.8 | 43.3 | 41.6 | 38.1 | | | | | | | | | | | | | | |
| 55 | 27.3 | 27.9 | 27.2 | 26.7 | 25.4 | | | | | | | | | | | | | | |
| 60 | 19.7 | 19.9 | 19.4 | 19.5 | 19.0 | | | | | | | | | | | | | | |
| 65 | 15.5 | 15.4 | 15.1 | 15.3 | 15.1 | | | | | | | | | | | | | | |
| 70 | 12.4 | 12.3 | 12.1 | 12.2 | 12.1 | | | | | | | | | | | | | | |
| 75 | 9.96 | 9.85 | 9.71 | 9.77 | 9.62 | | | | | | | | | | | | | | |
| 80 | 7.90 | 7.84 | 7.79 | 7.80 | 7.79 | | | | | | | | | | | | | | |
| 85 | 6.39 | 6.39 | 6.45 | 6.40 | 6.30 | | | | | | | | | | | | | | |
| 90 | 5.06 | 5.07 | 5.23 | 5.18 | 5.07 | | | | | | | | | | | | | | |
| 95 | 5.22 | 5.25 | 5.42 | 5.37 | 5.23 | | | | | | | | | | | | | | |
| 100 | 5.42 | 5.43 | 5.49 | 5.48 | 5.42 | | | | | | | | | | | | | | |
| 105 | 5.77 | 5.77 | 5.80 | 5.78 | 5.78 | | | | | | | | | | | | | | |
| 110 | 6.35 | 6.31 | 6.34 | 6.32 | 6.36 | | | | | | | | | | | | | | |
| 115 | 7.14 | 7.09 | 7.14 | 7.12 | 7.20 | | | | | | | | | | | | | | |
| 120 | 8.18 | 8.15 | 8.22 | 8.21 | 8.32 | | | | | | | | | | | | | | |
| 125 | 9.47 | 9.46 | 9.56 | 9.58 | 9.69 | | | | | | | | | | | | | | |
| 130 | 11.0 | 11.0 | 11.1 | 11.2 | 11.3 | | | | | | | | | | | | | | |
| 135 | 12.7 | 12.7 | 12.8 | 12.8 | 12.9 | | | | | | | | | | | | | | |
| 140 | 14.3 | 14.3 | 14.5 | 14.4 | 14.5 | | | | | | | | | | | | | | |
| 145 | 15.8 | 15.8 | 16.0 | 15.9 | 16.0 | | | | | | | | | | | | | | |
| 150 | 17.0 | 17.0 | 17.1 | 17.1 | 17.1 | | | | | | | | | | | | | | |
| 155 | 17.8 | 17.8 | 17.9 | 17.8 | 17.9 | | | | | | | | | | | | | | |
| 160 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | | | | | | | | | | | | | | |
| 165 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | | | | | | | | | | | | | | |
| 170 | 18.5 | 18.4 | 18.4 | 18.4 | 18.4 | | | | | | | | | | | | | | |
| 175 | 18.6 | 18.6 | 18.6 | 18.5 | 18.5 | | | | | | | | | | | | | | |
| 180 | 18.7 | 18.7 | 18.8 | 18.7 | 18.7 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-15

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: