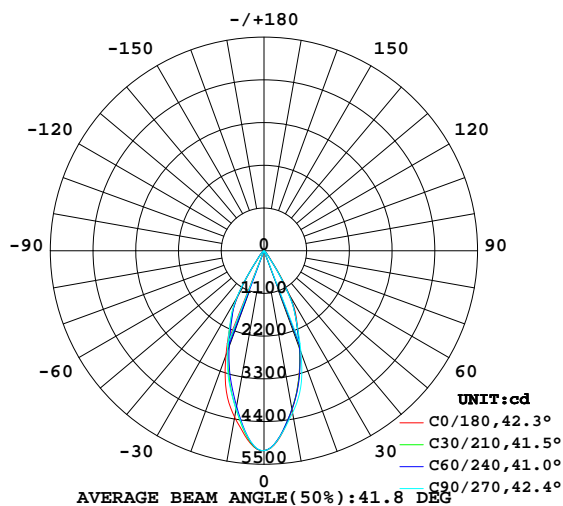


LUMINAIRE PHOTOMETRIC TEST REPORT

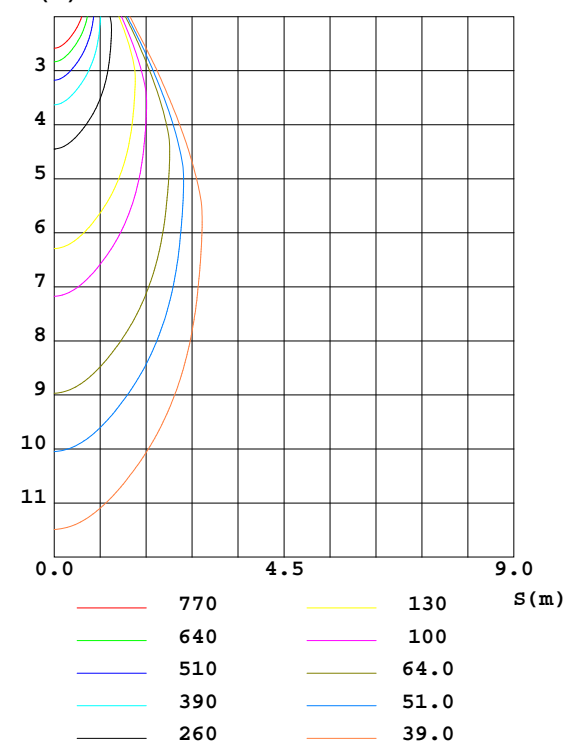
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 105.33 lm/W | | | |
|------------------|-------------------|-----------------------------------|--------|------------------------|----------|
| MODEL | TL25-30W-840-W-45 | Imax(cd) | 5149 | S/MH(C0/180) | 0.65 |
| NOMINAL POWER(W) | 28 | LOR(%) | 100.0 | S/MH(C90/270) | 0.68 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 2907.0 | η UP,DN(C0-180) | 1.3,48.4 |
| NOMINAL FLUX(lm) | 2906.98 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.4,48.9 |
| 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:2016-08-16

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 | 4160 | 4152 | 4239 | 4522 | 4351 | 4056 | 4135 | 4188 | 0- 10 | 440.5 | 440.5 | 15.2,15.2 |
| 20 | 2679 | 2711 | 2786 | 3026 | 2872 | 2616 | 2769 | 2729 | 10- 20 | 986.4 | 1427 | 49.1,49.1 |
| 30 | 1306 | 1285 | 1219 | 1225 | 1348 | 1372 | 1425 | 1329 | 20- 30 | 917.6 | 2344 | 80.6,80.6 |
| 40 | 173.8 | 163.4 | 150.9 | 147.7 | 171.1 | 204.8 | 197.8 | 171.6 | 30- 40 | 340.9 | 2685 | 92.4,92.4 |
| 50 | 49.15 | 47.23 | 45.18 | 44.19 | 48.80 | 57.55 | 54.34 | 48.08 | 40- 50 | 72.73 | 2758 | 94.9,94.9 |
| 60 | 24.80 | 24.53 | 24.15 | 24.32 | 24.91 | 25.61 | 25.42 | 24.48 | 50- 60 | 30.67 | 2789 | 95.9,95.9 |
| 70 | 15.70 | 15.69 | 15.41 | 15.51 | 15.79 | 15.85 | 15.87 | 15.68 | 60- 70 | 19.59 | 2808 | 96.6,96.6 |
| 80 | 9.577 | 9.510 | 9.376 | 9.629 | 10.14 | 10.11 | 10.14 | 10.21 | 70- 80 | 13.30 | 2822 | 97.1,97.1 |
| 90 | 5.487 | 5.501 | 5.529 | 5.842 | 6.550 | 6.493 | 6.485 | 7.383 | 80- 90 | 8.599 | 2830 | 97.4,97.4 |
| 100 | 5.472 | 5.472 | 5.487 | 5.660 | 6.980 | 6.932 | 6.903 | 7.087 | 90-100 | 6.724 | 2837 | 97.6,97.6 |
| 110 | 6.697 | 6.696 | 6.688 | 6.643 | 8.142 | 8.091 | 8.016 | 8.088 | 100-110 | 7.082 | 2844 | 97.8,97.8 |
| 120 | 9.409 | 9.311 | 9.407 | 9.312 | 10.50 | 10.42 | 10.38 | 10.55 | 110-120 | 8.444 | 2853 | 98.1,98.1 |
| 130 | 13.47 | 13.39 | 13.42 | 13.28 | 14.04 | 14.00 | 14.07 | 14.25 | 120-130 | 10.49 | 2863 | 98.5,98.5 |
| 140 | 17.95 | 17.92 | 17.94 | 17.75 | 18.18 | 18.22 | 18.21 | 18.29 | 130-140 | 12.28 | 2875 | 98.9,98.9 |
| 150 | 21.43 | 21.41 | 21.51 | 21.45 | 21.70 | 21.67 | 21.64 | 21.80 | 140-150 | 12.49 | 2888 | 99.3,99.3 |
| 160 | 22.89 | 22.89 | 22.93 | 22.95 | 23.11 | 23.13 | 23.14 | 23.26 | 150-160 | 10.39 | 2898 | 99.7,99.7 |
| 170 | 23.26 | 23.26 | 23.23 | 23.27 | 23.43 | 23.46 | 23.47 | 23.38 | 160-170 | 6.585 | 2905 | 99.9,99.9 |
| 180 | 23.79 | 23.78 | 23.79 | 23.82 | 23.78 | 23.78 | 23.79 | 23.82 | 170-180 | 2.240 | 2907 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

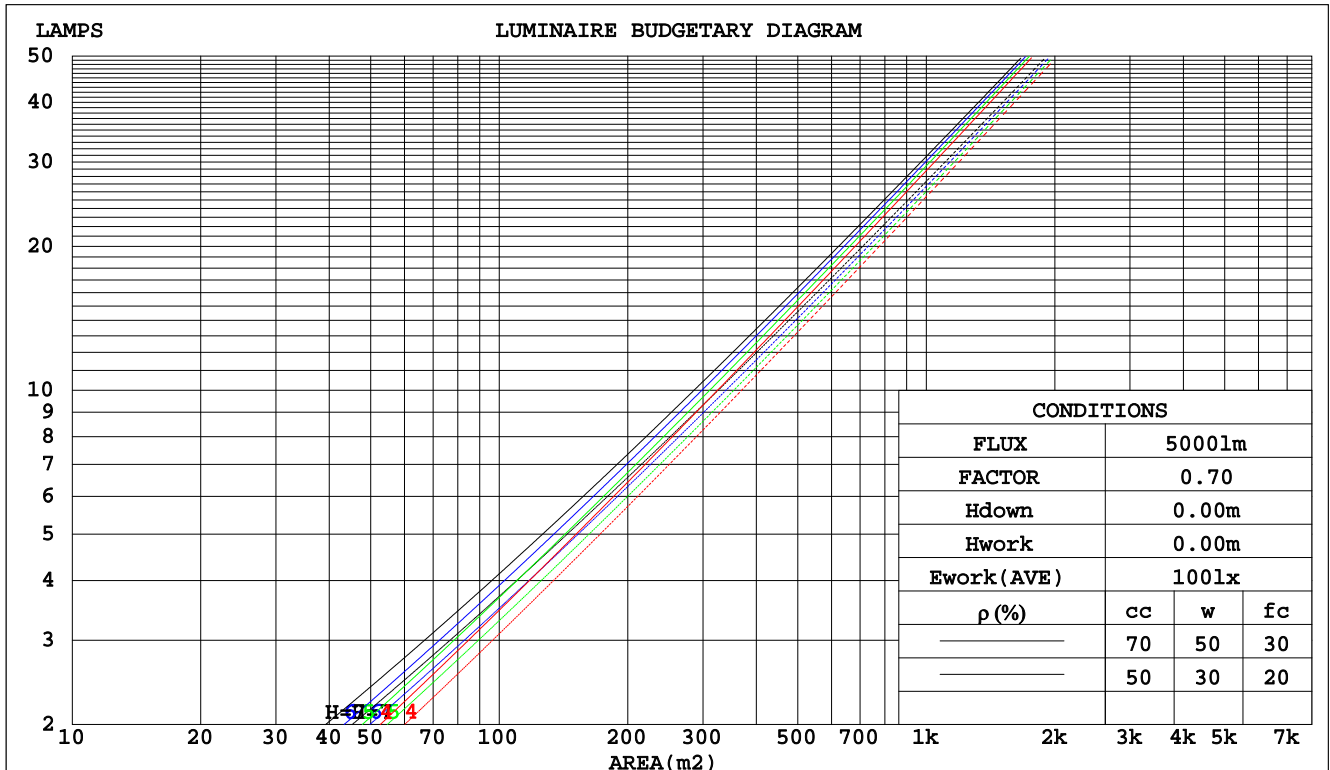
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 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: 2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | | | | |
| NAME: | | TYPE: | | WEIGHT: | |
| DIM.: | | SPEC.: | | SERIAL No.: | |
| MFR.: Rayconn | | SUR.: | | PROTECTION ANGLE: | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .173 | .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 | .070 | .022 | |
| 3.0 | .153 | .081 | .024 | .148 | .079 | .024 | .137 | .074 | .023 | .128 | .070 | .021 | .119 | .066 | .020 | |
| 4.0 | .145 | .075 | .022 | .140 | .073 | .022 | .131 | .069 | .021 | .123 | .066 | .020 | .115 | .063 | .019 | |
| 5.0 | .137 | .070 | .020 | .133 | .068 | .020 | .125 | .065 | .019 | .118 | .062 | .019 | .111 | .059 | .018 | |
| 6.0 | .130 | .065 | .019 | .127 | .064 | .018 | .120 | .061 | .018 | .113 | .059 | .017 | .107 | .057 | .017 | |
| 7.0 | .124 | .061 | .017 | .121 | .060 | .017 | .115 | .058 | .017 | .109 | .056 | .016 | .104 | .054 | .016 | |
| 8.0 | .119 | .058 | .016 | .116 | .057 | .016 | .110 | .055 | .016 | .105 | .053 | .015 | .100 | .052 | .015 | |
| 9.0 | .114 | .055 | .015 | .111 | .054 | .015 | .106 | .052 | .015 | .101 | .051 | .015 | .097 | .049 | .014 | |
| 10.0 | .109 | .052 | .015 | .107 | .052 | .014 | .102 | .050 | .014 | .098 | .049 | .014 | .094 | .047 | .014 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|--|------|------|------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | | | | |
| 0.0 | .211 | .211 | .211 | .180 | .180 | .180 | .123 | .123 | .123 | .071 | .071 | .071 | .023 | .023 | .023 | |
| 1.0 | .191 | .178 | .165 | .164 | .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 | .090 | .072 | .058 | .052 | .042 | .034 | .017 | .014 | .011 | |
| 5.0 | .143 | .108 | .082 | .122 | .093 | .071 | .084 | .065 | .050 | .049 | .038 | .030 | .016 | .012 | .010 | |
| 6.0 | .135 | .098 | .072 | .116 | .085 | .063 | .080 | .060 | .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 | .046 | .031 | .039 | .027 | .018 | .013 | .009 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 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 | 17.4 | 18.3 | 17.7 | 18.5 | 18.7 | 16.9 | 17.8 | 17.2 | 18.0 | 18.2 | |
| | 3H | 17.5 | 18.3 | 17.8 | 18.5 | 18.8 | 17.0 | 17.8 | 17.3 | 18.1 | 18.3 |
| | 4H | 17.6 | 18.3 | 17.9 | 18.6 | 18.8 | 17.1 | 17.9 | 17.4 | 18.1 | 18.4 |
| | 6H | 17.7 | 18.4 | 18.0 | 18.7 | 18.9 | 17.2 | 17.9 | 17.6 | 18.2 | 18.5 |
| | 8H | 17.7 | 18.4 | 18.1 | 18.7 | 19.0 | 17.3 | 18.0 | 17.7 | 18.3 | 18.6 |
| | 12H | 17.8 | 18.5 | 18.2 | 18.8 | 19.1 | 17.4 | 18.1 | 17.8 | 18.4 | 18.7 |
| 4H | 2H | 17.3 | 18.0 | 17.6 | 18.3 | 18.6 | 16.8 | 17.6 | 17.1 | 17.8 | 18.1 |
| | 3H | 17.4 | 18.1 | 17.8 | 18.4 | 18.7 | 17.0 | 17.6 | 17.4 | 18.0 | 18.3 |
| | 4H | 17.6 | 18.2 | 18.0 | 18.5 | 18.9 | 17.2 | 17.8 | 17.6 | 18.1 | 18.5 |
| | 6H | 17.8 | 18.3 | 18.2 | 18.7 | 19.1 | 17.4 | 17.9 | 17.8 | 18.3 | 18.7 |
| | 8H | 17.9 | 18.4 | 18.4 | 18.8 | 19.2 | 17.6 | 18.1 | 18.0 | 18.5 | 18.9 |
| | 12H | 18.1 | 18.6 | 18.6 | 19.0 | 19.4 | 17.8 | 18.2 | 18.3 | 18.7 | 19.1 |
| 8H | 4H | 17.6 | 18.0 | 18.0 | 18.4 | 18.9 | 17.2 | 17.7 | 17.6 | 18.1 | 18.5 |
| | 6H | 17.9 | 18.3 | 18.4 | 18.7 | 19.2 | 17.6 | 17.9 | 18.0 | 18.4 | 18.9 |
| | 8H | 18.1 | 18.5 | 18.6 | 19.0 | 19.5 | 17.8 | 18.2 | 18.3 | 18.6 | 19.1 |
| | 12H | 18.5 | 18.8 | 19.0 | 19.3 | 19.8 | 18.2 | 18.5 | 18.7 | 19.0 | 19.5 |
| 12H | 4H | 17.5 | 18.0 | 18.0 | 18.4 | 18.8 | 17.2 | 17.6 | 17.6 | 18.0 | 18.5 |
| | 6H | 17.9 | 18.3 | 18.4 | 18.7 | 19.2 | 17.6 | 17.9 | 18.1 | 18.4 | 18.9 |
| | 8H | 18.2 | 18.5 | 18.7 | 19.0 | 19.5 | 17.9 | 18.2 | 18.4 | 18.7 | 19.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.6 / - 1.5 | | | | | + 1.3 / - 1.3 | | | | | |
| 1.5H | + 3.1 / - 1.3 | | | | | + 2.6 / - 1.2 | | | | | |
| 2.0H | + 1.4 / - 0.5 | | | | | + 1.1 / - 0.4 | | | | | |

CIE Pub.117 Corrected 2907 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

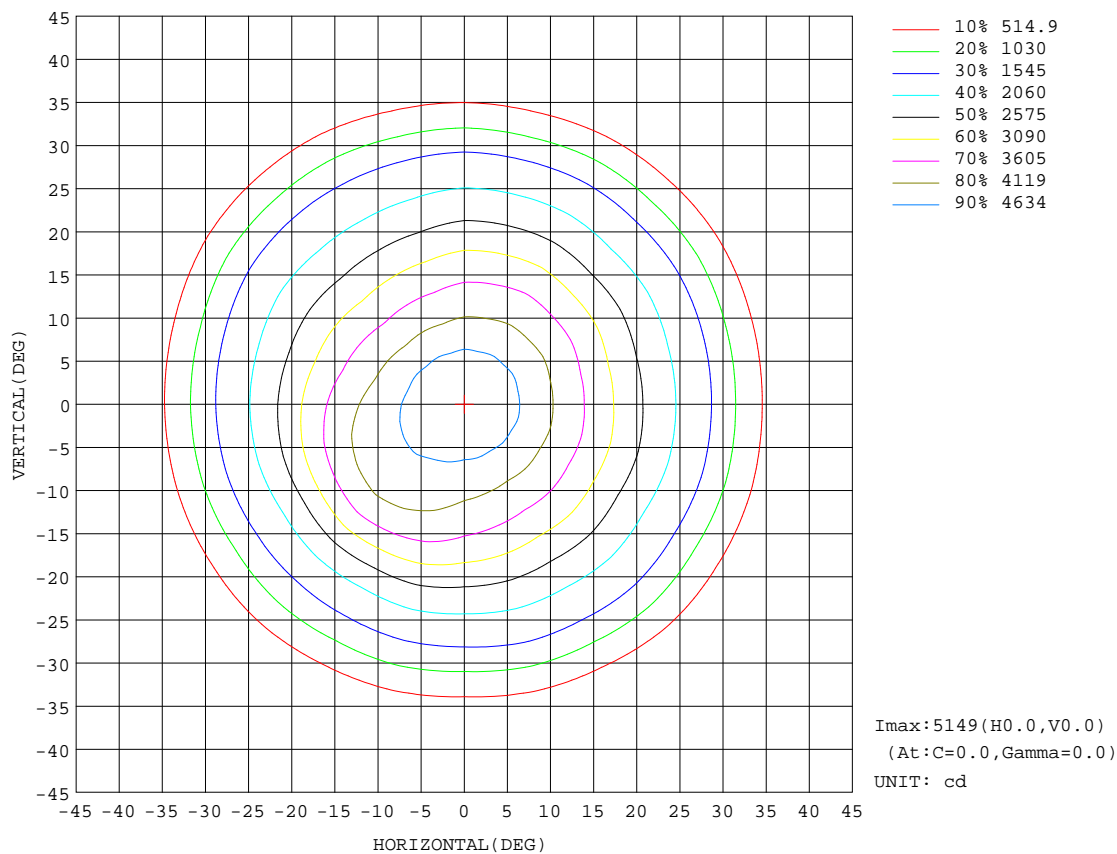
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 87 |
| 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 | 92 |
| 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:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



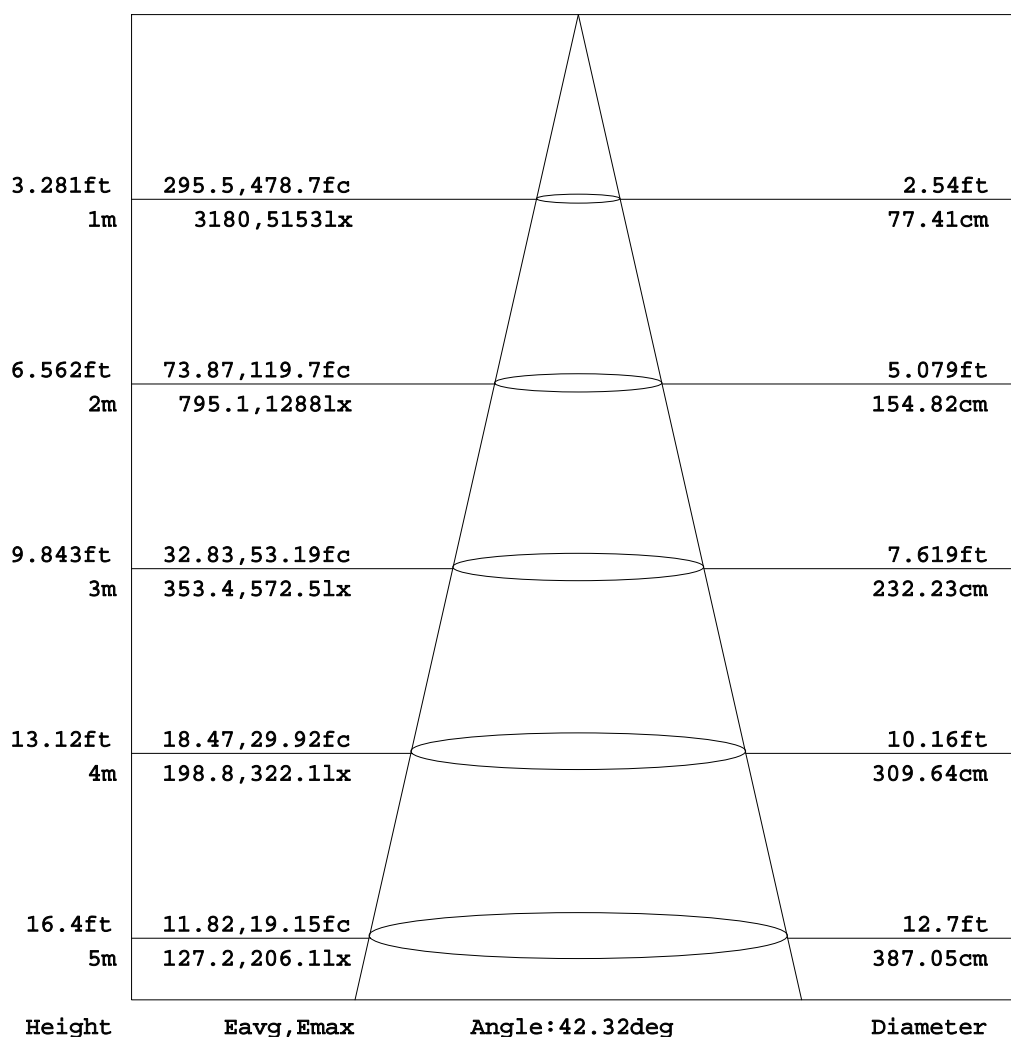
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:1631 lm



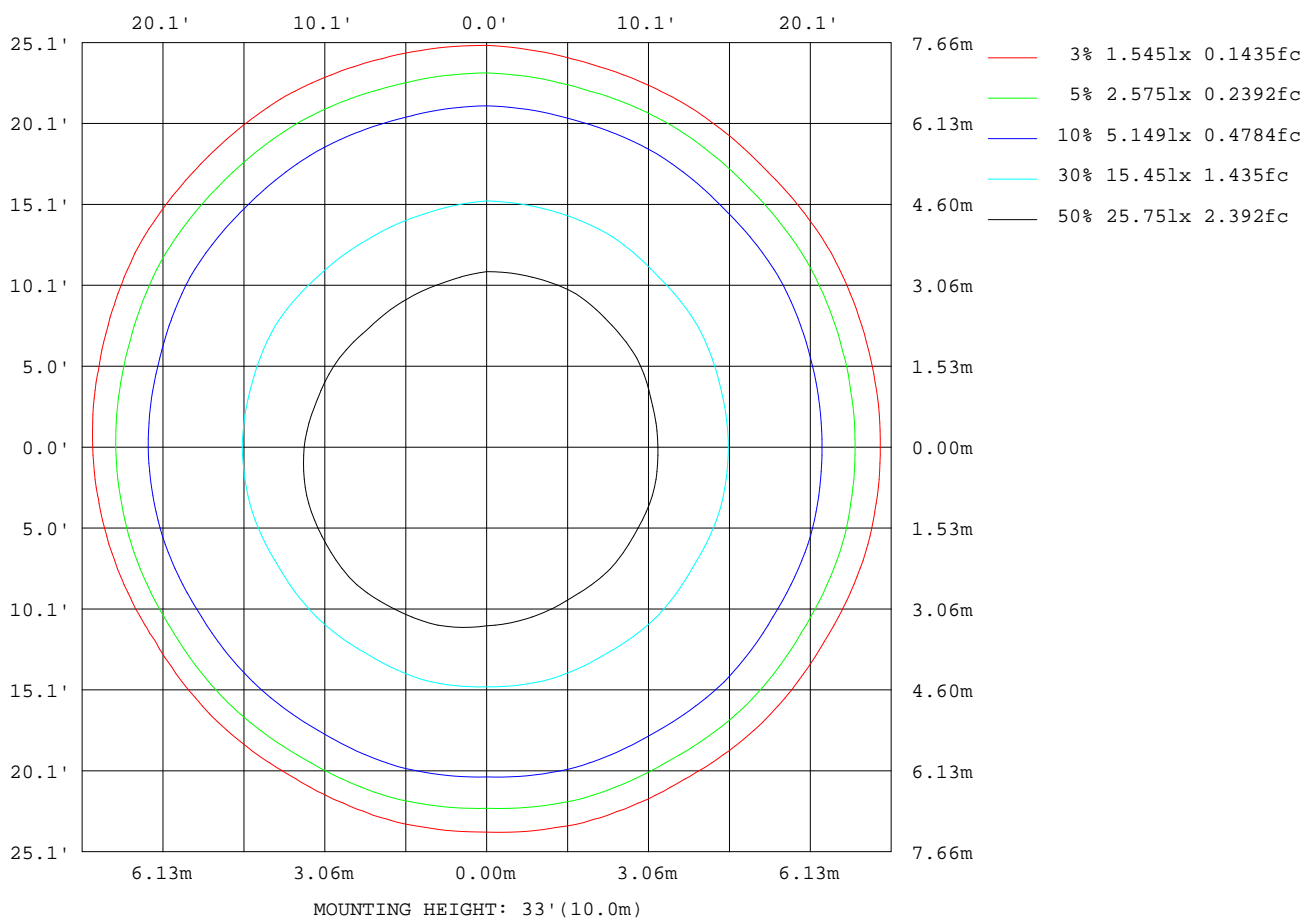
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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

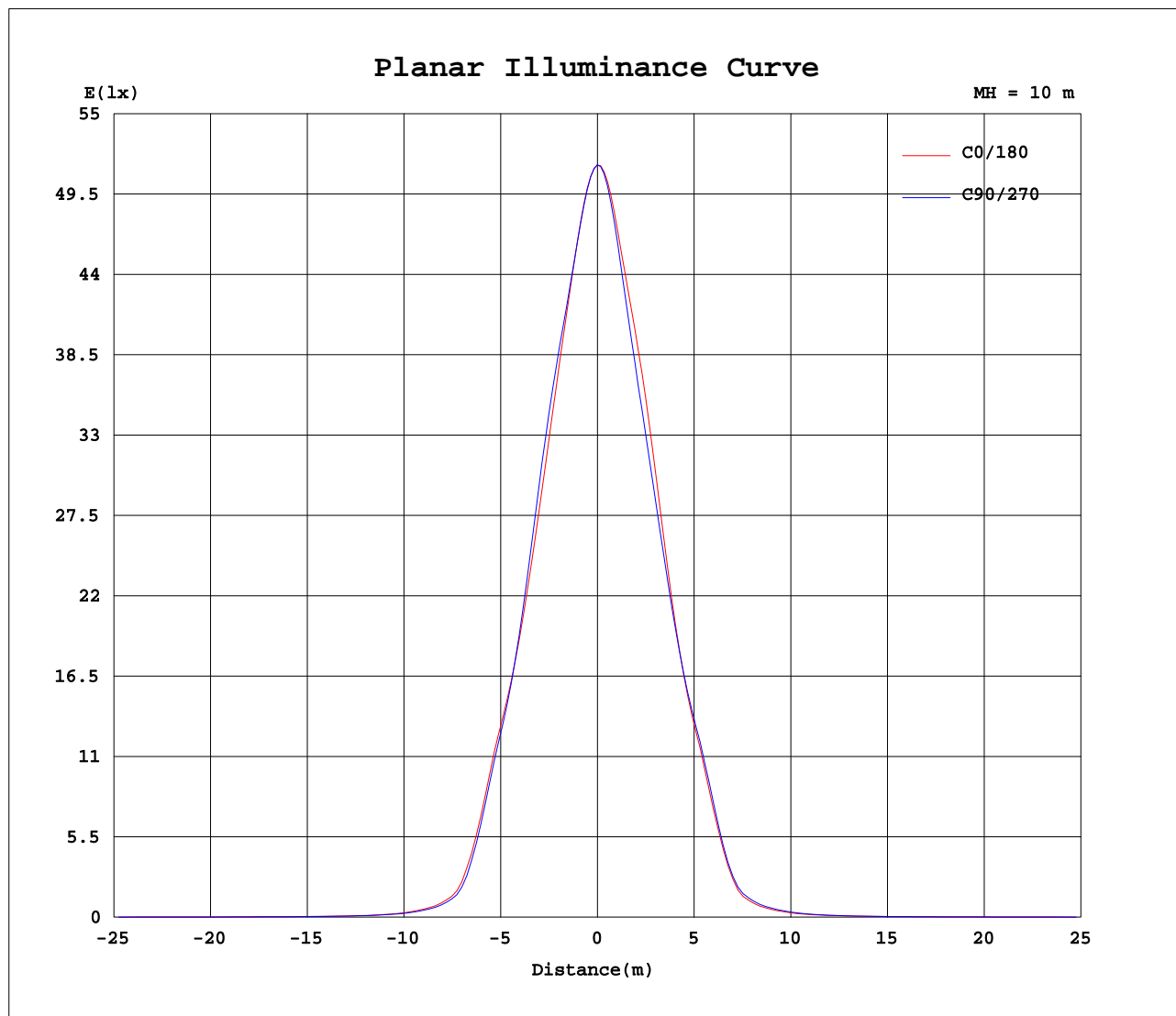
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1260A P:27.60W PF:0.9610 Lamp Flux:2906.98x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-08-16

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: 2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 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 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 | 5149 |
| 5 | 4808 | 4812 | 4789 | 4797 | 4784 | 4802 | 4797 | 4833 | 4844 | 4878 | 4878 | 4892 | 4880 | 4839 | 4837 | 4793 | 4809 | 4783 | 4810 |
| 10 | 4160 | 4164 | 4140 | 4152 | 4142 | 4187 | 4239 | 4354 | 4448 | 4522 | 4509 | 4453 | 4351 | 4211 | 4142 | 4056 | 4066 | 4067 | 4135 |
| 15 | 3443 | 3471 | 3453 | 3483 | 3473 | 3549 | 3645 | 3839 | 3972 | 4077 | 4015 | 3919 | 3752 | 3548 | 3448 | 3339 | 3359 | 3385 | 3488 |
| 20 | 2679 | 2710 | 2669 | 2711 | 2686 | 2754 | 2786 | 2911 | 2935 | 3026 | 2959 | 2957 | 2872 | 2757 | 2711 | 2616 | 2625 | 2655 | 2769 |
| 25 | 2005 | 2000 | 1953 | 1979 | 1953 | 1980 | 1960 | 1984 | 1935 | 1960 | 1955 | 2021 | 2039 | 2024 | 2037 | 1982 | 1971 | 2002 | 2069 |
| 30 | 1306 | 1312 | 1257 | 1285 | 1242 | 1270 | 1219 | 1249 | 1201 | 1225 | 1232 | 1315 | 1348 | 1354 | 1410 | 1372 | 1387 | 1377 | 1425 |
| 35 | 446 | 453 | 414 | 424 | 392 | 407 | 379 | 395 | 373 | 399 | 396 | 450 | 477 | 486 | 521 | 508 | 520 | 498 | 511 |
| 40 | 174 | 172 | 163 | 163 | 157 | 158 | 151 | 153 | 141 | 148 | 143 | 157 | 171 | 183 | 200 | 205 | 212 | 204 | 198 |
| 45 | 87.1 | 86.4 | 82.2 | 82.1 | 78.8 | 79.4 | 76.1 | 75.5 | 73.5 | 73.7 | 74.1 | 80.3 | 86.5 | 92.3 | 102 | 106 | 111 | 106 | 100 |
| 50 | 49.1 | 48.7 | 47.3 | 47.2 | 46.0 | 46.1 | 45.2 | 44.9 | 43.7 | 44.2 | 44.5 | 46.8 | 48.8 | 51.2 | 55.5 | 57.5 | 59.6 | 57.3 | 54.3 |
| 55 | 33.0 | 32.8 | 32.3 | 32.3 | 31.7 | 32.0 | 31.7 | 31.8 | 31.4 | 31.7 | 31.9 | 32.8 | 33.1 | 33.7 | 35.3 | 35.9 | 36.6 | 35.7 | 34.7 |
| 60 | 24.8 | 24.7 | 24.5 | 24.5 | 24.1 | 24.3 | 24.1 | 24.3 | 24.0 | 24.3 | 24.4 | 25.0 | 24.9 | 25.0 | 25.7 | 25.6 | 25.7 | 25.5 | 25.4 |
| 65 | 19.7 | 19.7 | 19.6 | 19.6 | 19.3 | 19.5 | 19.3 | 19.3 | 19.1 | 19.3 | 19.4 | 19.8 | 19.6 | 19.8 | 20.1 | 19.9 | 19.8 | 19.7 | 19.9 |
| 70 | 15.7 | 15.7 | 15.6 | 15.7 | 15.5 | 15.6 | 15.4 | 15.5 | 15.4 | 15.5 | 15.6 | 15.9 | 15.8 | 15.9 | 16.1 | 15.8 | 15.7 | 15.7 | 15.9 |
| 75 | 12.4 | 12.4 | 12.3 | 12.4 | 12.2 | 12.3 | 12.1 | 12.2 | 12.2 | 12.4 | 12.4 | 12.7 | 12.8 | 12.8 | 12.9 | 12.7 | 12.7 | 12.6 | 12.8 |
| 80 | 9.58 | 9.56 | 9.48 | 9.51 | 9.39 | 9.48 | 9.38 | 9.47 | 9.49 | 9.63 | 9.63 | 9.78 | 10.1 | 10.1 | 10.2 | 10.1 | 10.1 | 10.1 | 10.1 |
| 85 | 7.41 | 7.39 | 7.30 | 7.33 | 7.26 | 7.33 | 7.21 | 7.28 | 7.46 | 7.49 | 7.41 | 7.48 | 8.19 | 8.20 | 8.27 | 8.22 | 8.26 | 8.22 | 8.28 |
| 90 | 5.49 | 5.44 | 5.48 | 5.50 | 5.52 | 5.59 | 5.53 | 5.52 | 5.98 | 5.84 | 5.68 | 5.51 | 6.55 | 6.54 | 6.51 | 6.49 | 6.47 | 6.48 | 6.49 |
| 95 | 5.42 | 5.38 | 5.40 | 5.39 | 5.42 | 5.46 | 5.45 | 5.46 | 5.90 | 5.80 | 5.65 | 5.44 | 6.73 | 6.70 | 6.70 | 6.68 | 6.68 | 6.68 | 6.68 |
| 100 | 5.47 | 5.47 | 5.47 | 5.47 | 5.47 | 5.54 | 5.49 | 5.50 | 5.72 | 5.66 | 5.57 | 5.50 | 6.98 | 6.96 | 6.94 | 6.93 | 6.91 | 6.91 | 6.90 |
| 105 | 5.89 | 5.89 | 5.92 | 5.90 | 5.91 | 5.93 | 5.90 | 5.88 | 5.95 | 5.92 | 5.91 | 5.86 | 7.42 | 7.42 | 7.38 | 7.38 | 7.34 | 7.35 | 7.32 |
| 110 | 6.70 | 6.67 | 6.72 | 6.70 | 6.74 | 6.70 | 6.69 | 6.63 | 6.67 | 6.64 | 6.65 | 6.59 | 8.14 | 8.16 | 8.10 | 8.09 | 8.02 | 8.05 | 8.02 |
| 115 | 7.86 | 7.80 | 7.87 | 7.82 | 7.91 | 7.85 | 7.87 | 7.79 | 7.84 | 7.78 | 7.80 | 7.71 | 9.15 | 9.17 | 9.10 | 9.09 | 9.01 | 9.05 | 9.01 |
| 120 | 9.41 | 9.30 | 9.38 | 9.31 | 9.41 | 9.34 | 9.41 | 9.32 | 9.38 | 9.31 | 9.33 | 9.23 | 10.5 | 10.5 | 10.4 | 10.4 | 10.3 | 10.4 | 10.4 |
| 125 | 11.3 | 11.2 | 11.3 | 11.2 | 11.3 | 11.2 | 11.3 | 11.2 | 11.3 | 11.2 | 11.2 | 11.1 | 12.1 | 12.1 | 12.0 | 12.1 | 12.0 | 12.1 | 12.1 |
| 130 | 13.5 | 13.4 | 13.5 | 13.4 | 13.4 | 13.3 | 13.4 | 13.3 | 13.4 | 13.3 | 13.3 | 13.2 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.1 | 14.1 |
| 135 | 15.8 | 15.7 | 15.8 | 15.7 | 15.8 | 15.7 | 15.7 | 15.6 | 15.6 | 15.6 | 15.6 | 15.5 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.2 | 16.2 |
| 140 | 17.9 | 17.9 | 18.0 | 17.9 | 18.0 | 17.9 | 17.9 | 17.9 | 17.8 | 17.7 | 17.8 | 17.7 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.3 | 18.2 |
| 145 | 19.9 | 19.9 | 20.0 | 19.9 | 19.9 | 19.9 | 20.0 | 20.0 | 19.9 | 19.8 | 19.8 | 19.9 | 20.1 | 20.1 | 20.1 | 20.1 | 20.2 | 20.2 | 20.1 |
| 150 | 21.4 | 21.4 | 21.5 | 21.4 | 21.5 | 21.4 | 21.5 | 21.5 | 21.5 | 21.4 | 21.5 | 21.5 | 21.7 | 21.7 | 21.6 | 21.7 | 21.7 | 21.7 | 21.6 |
| 155 | 22.4 | 22.4 | 22.4 | 22.4 | 22.5 | 22.4 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.5 | 22.6 | 22.6 | 22.6 | 22.7 | 22.7 | 22.7 | 22.7 |
| 160 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 23.0 | 22.9 | 23.0 | 23.0 | 23.1 | 23.1 | 23.1 | 23.1 | 23.2 | 23.2 | 23.1 |
| 165 | 23.1 | 23.1 | 23.2 | 23.1 | 23.2 | 23.1 | 23.1 | 23.1 | 23.1 | 23.2 | 23.2 | 23.2 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| 170 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.2 | 23.2 | 23.2 | 23.3 | 23.3 | 23.3 | 23.3 | 23.4 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 175 | 23.5 | 23.4 | 23.5 | 23.4 | 23.5 | 23.4 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 |
| 180 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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:27.60W PF:0.9610 Lamp Flux:2906.98x1 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 | 5149 | 5149 | 5149 | 5149 | 5149 | | | | | | | | | | | | | | |
| 5 | 4795 | 4820 | 4808 | 4827 | 4806 | | | | | | | | | | | | | | |
| 10 | 4151 | 4198 | 4188 | 4204 | 4166 | | | | | | | | | | | | | | |
| 15 | 3514 | 3559 | 3520 | 3512 | 3449 | | | | | | | | | | | | | | |
| 20 | 2771 | 2793 | 2729 | 2741 | 2672 | | | | | | | | | | | | | | |
| 25 | 2055 | 2056 | 2007 | 2029 | 2003 | | | | | | | | | | | | | | |
| 30 | 1379 | 1383 | 1329 | 1352 | 1320 | | | | | | | | | | | | | | |
| 35 | 473 | 478 | 449 | 469 | 452 | | | | | | | | | | | | | | |
| 40 | 182 | 177 | 172 | 177 | 174 | | | | | | | | | | | | | | |
| 45 | 90.7 | 88.3 | 85.1 | 87.9 | 86.9 | | | | | | | | | | | | | | |
| 50 | 50.0 | 49.1 | 48.1 | 49.3 | 49.2 | | | | | | | | | | | | | | |
| 55 | 33.0 | 32.8 | 32.5 | 33.1 | 33.0 | | | | | | | | | | | | | | |
| 60 | 24.7 | 24.7 | 24.5 | 24.9 | 24.8 | | | | | | | | | | | | | | |
| 65 | 19.6 | 19.6 | 19.5 | 19.7 | 19.7 | | | | | | | | | | | | | | |
| 70 | 15.7 | 15.7 | 15.7 | 15.9 | 15.8 | | | | | | | | | | | | | | |
| 75 | 12.7 | 12.8 | 12.7 | 12.8 | 12.7 | | | | | | | | | | | | | | |
| 80 | 10.1 | 10.2 | 10.2 | 10.2 | 10.1 | | | | | | | | | | | | | | |
| 85 | 8.29 | 8.59 | 8.67 | 8.35 | 8.19 | | | | | | | | | | | | | | |
| 90 | 6.64 | 7.17 | 7.38 | 6.73 | 6.55 | | | | | | | | | | | | | | |
| 95 | 6.79 | 7.13 | 7.24 | 6.85 | 6.72 | | | | | | | | | | | | | | |
| 100 | 6.92 | 7.07 | 7.09 | 6.97 | 6.96 | | | | | | | | | | | | | | |
| 105 | 7.33 | 7.37 | 7.40 | 7.38 | 7.43 | | | | | | | | | | | | | | |
| 110 | 8.05 | 8.02 | 8.09 | 8.08 | 8.18 | | | | | | | | | | | | | | |
| 115 | 9.07 | 9.03 | 9.12 | 9.11 | 9.21 | | | | | | | | | | | | | | |
| 120 | 10.5 | 10.4 | 10.6 | 10.5 | 10.6 | | | | | | | | | | | | | | |
| 125 | 12.2 | 12.2 | 12.3 | 12.3 | 12.4 | | | | | | | | | | | | | | |
| 130 | 14.1 | 14.1 | 14.2 | 14.2 | 14.3 | | | | | | | | | | | | | | |
| 135 | 16.2 | 16.2 | 16.3 | 16.3 | 16.4 | | | | | | | | | | | | | | |
| 140 | 18.3 | 18.2 | 18.3 | 18.3 | 18.4 | | | | | | | | | | | | | | |
| 145 | 20.1 | 20.1 | 20.3 | 20.2 | 20.3 | | | | | | | | | | | | | | |
| 150 | 21.7 | 21.7 | 21.8 | 21.8 | 21.9 | | | | | | | | | | | | | | |
| 155 | 22.7 | 22.7 | 22.8 | 22.8 | 22.8 | | | | | | | | | | | | | | |
| 160 | 23.2 | 23.2 | 23.3 | 23.3 | 23.3 | | | | | | | | | | | | | | |
| 165 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | | | | | | | | | | | | | | |
| 170 | 23.5 | 23.4 | 23.4 | 23.3 | 23.3 | | | | | | | | | | | | | | |
| 175 | 23.6 | 23.6 | 23.6 | 23.5 | 23.5 | | | | | | | | | | | | | | |
| 180 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-08-16

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: