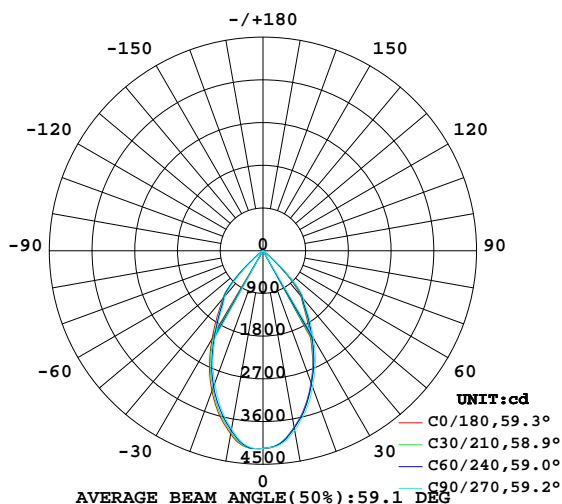


LUMINAIRE PHOTOMETRIC TEST REPORT

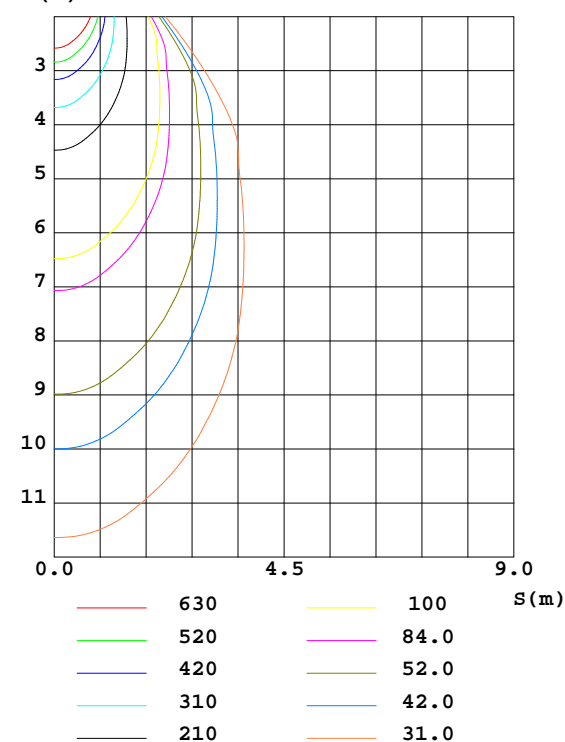
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 109.99 lm/W | | | |
|------------------|--------------------|-----------------------------------|--------|------------------------|----------|
| MODEL | BL191-40W-830-W-60 | Imax(cd) | 4173 | S/MH(C0/180) | 0.85 |
| NOMINAL POWER(W) | 40 | LOR(%) | 100.0 | S/MH(C90/270) | 0.89 |
| RATED VOLTAGE(V) | 226 | TOTAL FLUX(lm) | 4322.7 | η UP,DN(C0-180) | 1.2,50.0 |
| NOMINAL FLUX(lm) | 4322.75 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 1.3,47.5 |
| LAMPS INSIDE | 1 | η up(%) | 2.5 | CIBSE SHR NOM | 0.75 |
| TEST VOLTAGE(V) | 226.6 | η down(%) | 97.5 | CIBSE SHR MAX | 0.90 |

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:2016-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [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 | 3775 | 3794 | 3841 | 3929 | 3918 | 3849 | 3811 | 3768 | 0- 10 | 383.3 | 383.3 | 8.87,8.87 |
| 20 | 2961 | 2987 | 3056 | 3160 | 3147 | 3043 | 2970 | 2923 | 10- 20 | 968.0 | 1351 | 31.3,31.3 |
| 30 | 1960 | 2040 | 2122 | 2201 | 2145 | 2037 | 1970 | 1912 | 20- 30 | 1167 | 2518 | 58.3,58.3 |
| 40 | 1242 | 1301 | 1332 | 1349 | 1324 | 1278 | 1244 | 1205 | 30- 40 | 1007 | 3525 | 81.5,81.5 |
| 50 | 107.4 | 197.7 | 272.5 | 324.0 | 253.2 | 160.8 | 113.0 | 95.15 | 40- 50 | 584.5 | 4109 | 95.1,95.1 |
| 60 | 31.21 | 33.05 | 34.71 | 35.17 | 34.24 | 32.96 | 32.25 | 31.46 | 50- 60 | 56.60 | 4166 | 96.4,96.4 |
| 70 | 14.12 | 16.47 | 18.81 | 19.83 | 19.22 | 15.42 | 14.20 | 13.82 | 60- 70 | 24.74 | 4191 | 96.9,96.9 |
| 80 | 10.01 | 10.17 | 10.19 | 10.10 | 10.61 | 10.71 | 10.74 | 10.66 | 70- 80 | 12.73 | 4203 | 97.2,97.2 |
| 90 | 7.687 | 7.634 | 7.932 | 8.031 | 8.801 | 8.590 | 8.693 | 8.782 | 80- 90 | 10.32 | 4214 | 97.5,97.5 |
| 100 | 9.326 | 9.131 | 8.988 | 8.888 | 10.27 | 10.47 | 10.62 | 10.73 | 90-100 | 9.701 | 4223 | 97.7,97.7 |
| 110 | 11.86 | 11.58 | 11.35 | 11.19 | 12.78 | 13.05 | 13.24 | 13.40 | 100-110 | 11.61 | 4235 | 98,98 |
| 120 | 15.43 | 15.05 | 14.75 | 14.51 | 16.07 | 16.37 | 16.64 | 16.84 | 110-120 | 13.80 | 4249 | 98.3,98.3 |
| 130 | 19.68 | 19.30 | 18.94 | 18.66 | 20.05 | 20.38 | 20.67 | 20.85 | 120-130 | 15.87 | 4265 | 98.7,98.7 |
| 140 | 23.97 | 23.68 | 23.35 | 22.98 | 24.12 | 24.44 | 24.72 | 24.84 | 130-140 | 16.93 | 4282 | 99,99 |
| 150 | 27.31 | 27.15 | 26.93 | 26.57 | 27.31 | 27.52 | 27.66 | 27.68 | 140-150 | 16.14 | 4298 | 99.4,99.4 |
| 160 | 29.80 | 29.66 | 29.53 | 29.25 | 29.80 | 29.96 | 30.05 | 30.00 | 150-160 | 13.15 | 4311 | 99.7,99.7 |
| 170 | 32.05 | 31.97 | 31.81 | 31.68 | 32.03 | 32.12 | 32.21 | 32.14 | 160-170 | 8.713 | 4320 | 99.9,99.9 |
| 180 | 33.79 | 33.85 | 33.78 | 33.72 | 33.86 | 33.81 | 33.81 | 33.70 | 170-180 | 3.124 | 4323 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

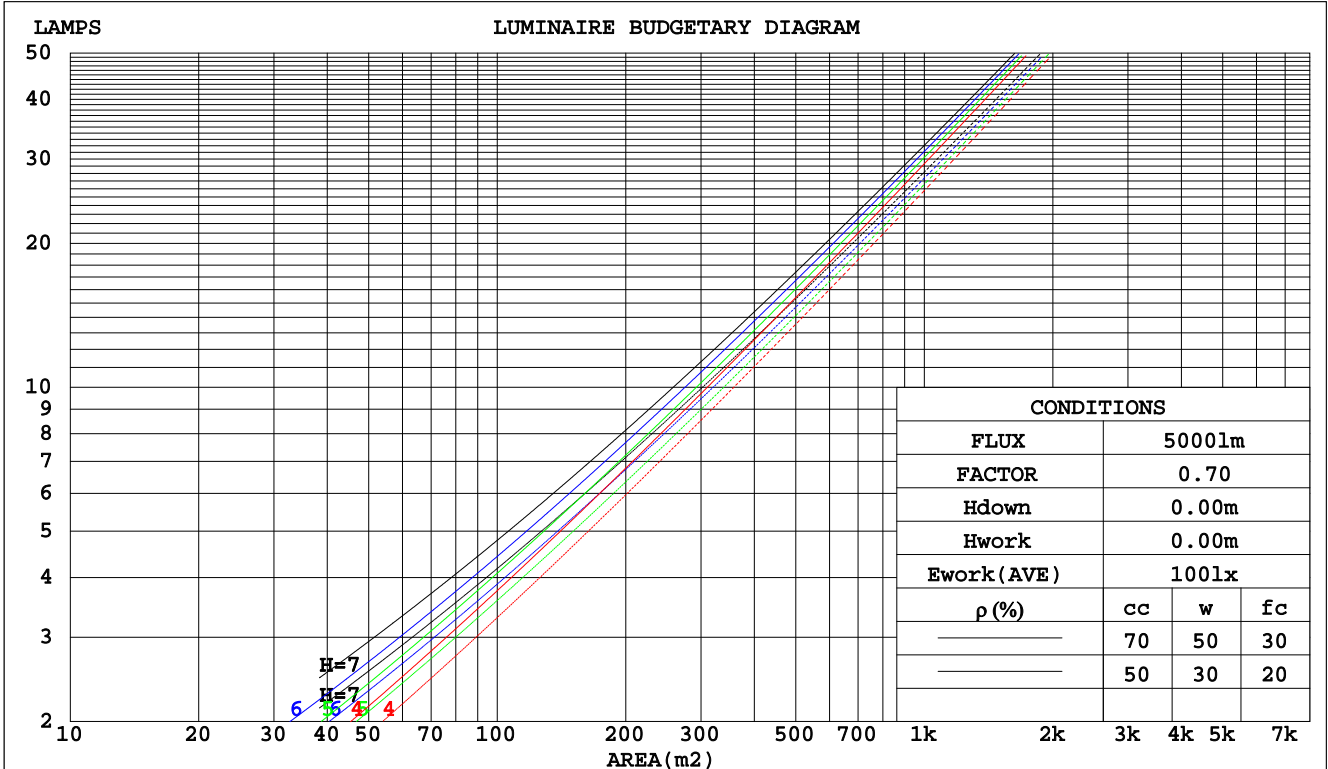
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 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:2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|--------|--|--|-------------------|--|--|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | | | | | | | |
| NAME: | | | TYPE: | | | WEIGHT: | | |
| DIM.: | | | SPEC.: | | | SERIAL No.: | | |
| MFR.: Rayconn | | | SUR.: | | | PROTECTION ANGLE: | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .194 | .110 | .035 | .187 | .106 | .034 | .173 | .099 | .032 | .160 | .092 | .030 | .148 | .086 | .028 | |
| 2.0 | .186 | .102 | .031 | .180 | .099 | .031 | .168 | .093 | .029 | .157 | .088 | .028 | .147 | .083 | .026 | |
| 3.0 | .178 | .095 | .028 | .172 | .092 | .028 | .162 | .088 | .027 | .152 | .083 | .026 | .143 | .079 | .025 | |
| 4.0 | .169 | .088 | .026 | .165 | .086 | .025 | .155 | .082 | .025 | .147 | .079 | .024 | .139 | .075 | .023 | |
| 5.0 | .161 | .082 | .024 | .157 | .081 | .023 | .149 | .078 | .023 | .141 | .075 | .022 | .134 | .072 | .022 | |
| 6.0 | .154 | .077 | .022 | .150 | .076 | .022 | .143 | .073 | .021 | .136 | .071 | .021 | .130 | .068 | .020 | |
| 7.0 | .147 | .073 | .021 | .143 | .071 | .020 | .137 | .069 | .020 | .131 | .067 | .020 | .125 | .065 | .019 | |
| 8.0 | .140 | .068 | .019 | .137 | .067 | .019 | .131 | .066 | .019 | .126 | .064 | .018 | .121 | .062 | .018 | |
| 9.0 | .134 | .065 | .018 | .131 | .064 | .018 | .126 | .062 | .018 | .121 | .061 | .017 | .116 | .059 | .017 | |
| 10.0 | .128 | .061 | .017 | .126 | .061 | .017 | .121 | .059 | .017 | .116 | .058 | .016 | .112 | .056 | .016 | |

| 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 | .192 | .177 | .163 | .164 | .152 | .140 | .112 | .104 | .097 | .065 | .060 | .056 | .021 | .019 | .018 | |
| 2.0 | .178 | .152 | .130 | .152 | .131 | .113 | .104 | .090 | .079 | .060 | .053 | .046 | .019 | .017 | .015 | |
| 3.0 | .166 | .133 | .107 | .143 | .115 | .093 | .098 | .080 | .065 | .057 | .047 | .038 | .018 | .015 | .013 | |
| 4.0 | .157 | .119 | .090 | .135 | .103 | .078 | .093 | .072 | .055 | .054 | .042 | .033 | .017 | .014 | .011 | |
| 5.0 | .149 | .108 | .077 | .128 | .093 | .067 | .088 | .065 | .047 | .051 | .038 | .028 | .016 | .012 | .009 | |
| 6.0 | .142 | .099 | .068 | .122 | .085 | .059 | .084 | .060 | .042 | .049 | .035 | .025 | .016 | .011 | .008 | |
| 7.0 | .136 | .091 | .060 | .117 | .079 | .052 | .081 | .055 | .037 | .047 | .033 | .022 | .015 | .011 | .007 | |
| 8.0 | .130 | .085 | .054 | .112 | .074 | .047 | .077 | .052 | .034 | .045 | .031 | .020 | .015 | .010 | .007 | |
| 9.0 | .125 | .080 | .050 | .108 | .070 | .044 | .075 | .049 | .031 | .043 | .029 | .018 | .014 | .009 | .006 | |
| 10.0 | .120 | .076 | .046 | .104 | .066 | .040 | .072 | .046 | .029 | .042 | .027 | .017 | .014 | .009 | .006 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|---|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 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 | 20.8 | 21.8 | 21.0 | 22.0 | 22.2 | 21.3 | 22.4 | 21.6 | 22.6 | 22.8 | |
| | 3H | 20.6 | 21.5 | 20.9 | 21.8 | 22.0 | 21.2 | 22.1 | 21.5 | 22.4 | 22.6 |
| | 4H | 20.5 | 21.4 | 20.8 | 21.7 | 22.0 | 21.1 | 22.0 | 21.4 | 22.2 | 22.5 |
| | 6H | 20.4 | 21.3 | 20.8 | 21.6 | 21.9 | 21.0 | 21.8 | 21.4 | 22.1 | 22.4 |
| | 8H | 20.4 | 21.2 | 20.8 | 21.5 | 21.8 | 21.0 | 21.8 | 21.3 | 22.1 | 22.4 |
| | 12H | 20.4 | 21.1 | 20.7 | 21.5 | 21.8 | 20.9 | 21.7 | 21.3 | 22.0 | 22.3 |
| 4H | 2H | 20.5 | 21.4 | 20.8 | 21.7 | 21.9 | 21.1 | 22.0 | 21.4 | 22.2 | 22.5 |
| | 3H | 20.3 | 21.1 | 20.7 | 21.4 | 21.7 | 20.9 | 21.7 | 21.3 | 22.0 | 22.3 |
| | 4H | 20.3 | 20.9 | 20.6 | 21.3 | 21.7 | 20.8 | 21.5 | 21.2 | 21.9 | 22.2 |
| | 6H | 20.2 | 20.8 | 20.6 | 21.2 | 21.6 | 20.7 | 21.3 | 21.2 | 21.7 | 22.1 |
| | 8H | 20.2 | 20.7 | 20.6 | 21.1 | 21.5 | 20.7 | 21.3 | 21.2 | 21.7 | 22.1 |
| | 12H | 20.1 | 20.6 | 20.6 | 21.1 | 21.5 | 20.7 | 21.2 | 21.1 | 21.6 | 22.1 |
| 8H | 4H | 20.1 | 20.7 | 20.6 | 21.1 | 21.5 | 20.7 | 21.2 | 21.1 | 21.6 | 22.1 |
| | 6H | 20.1 | 20.5 | 20.5 | 20.9 | 21.4 | 20.6 | 21.1 | 21.1 | 21.5 | 22.0 |
| | 8H | 20.0 | 20.4 | 20.5 | 20.9 | 21.4 | 20.6 | 21.0 | 21.1 | 21.5 | 21.9 |
| | 12H | 20.0 | 20.4 | 20.6 | 20.9 | 21.4 | 20.6 | 20.9 | 21.1 | 21.4 | 21.9 |
| 12H | 4H | 20.1 | 20.6 | 20.5 | 21.0 | 21.4 | 20.6 | 21.1 | 21.1 | 21.6 | 22.0 |
| | 6H | 20.0 | 20.4 | 20.5 | 20.9 | 21.4 | 20.6 | 21.0 | 21.1 | 21.4 | 21.9 |
| | 8H | 20.0 | 20.3 | 20.5 | 20.8 | 21.4 | 20.6 | 20.9 | 21.1 | 21.4 | 21.9 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 3.0 / -10.1 | | | | | + 2.9 / -10.1 | | | | | |
| 1.5H | + 3.5 / -10.6 | | | | | + 3.1 / -11.0 | | | | | |
| 2.0H | + 7.1 / - 6.6 | | | | | + 7.4 / - 7.7 | | | | | |

CIE Pub.117 Corrected 4323 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

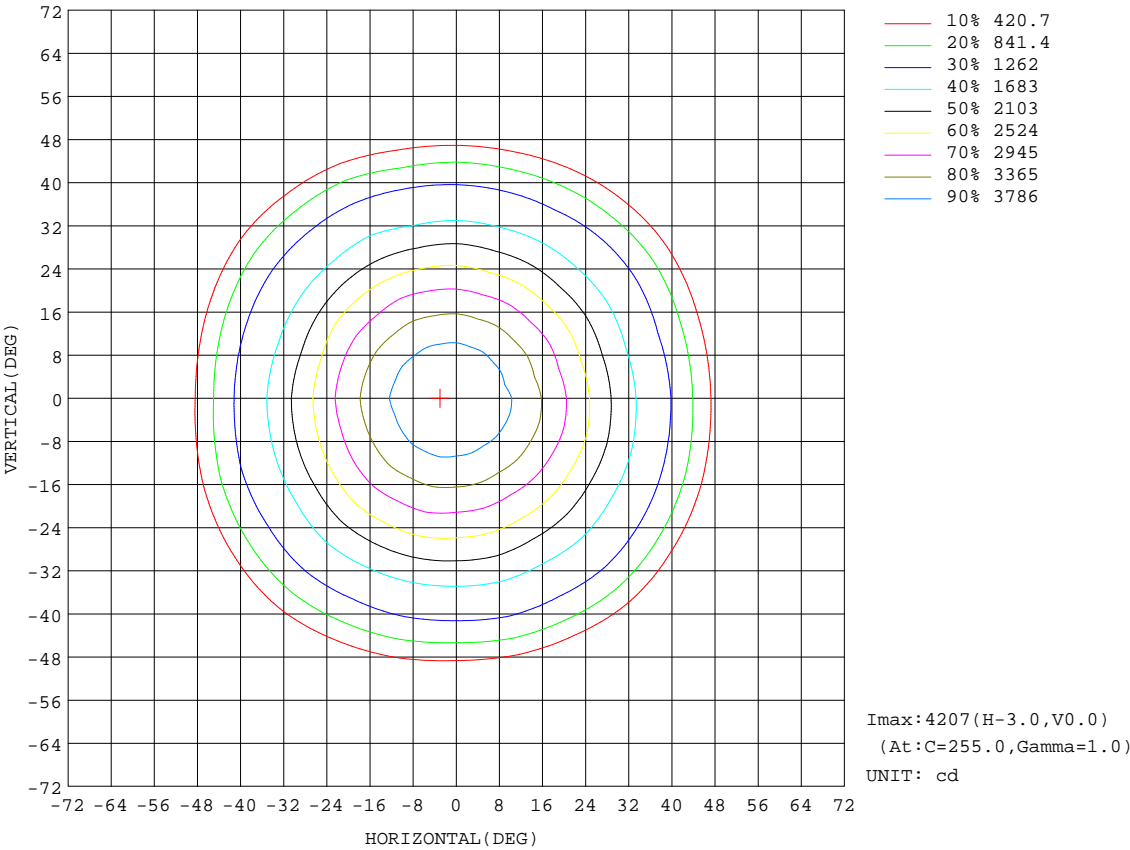
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 80 | 72 | 68 | 79 | 72 | 68 | 78 | 72 | 68 | 63 |
| 0.80 | 88 | 81 | 77 | 88 | 81 | 77 | 86 | 80 | 76 | 72 |
| 1.00 | 94 | 88 | 83 | 93 | 87 | 83 | 91 | 87 | 82 | 78 |
| 1.25 | 99 | 93 | 89 | 98 | 92 | 88 | 95 | 91 | 87 | 82 |
| 1.50 | 102 | 97 | 93 | 101 | 96 | 92 | 98 | 94 | 91 | 85 |
| 2.00 | 106 | 101 | 97 | 104 | 100 | 96 | 101 | 97 | 95 | 88 |
| 2.50 | 108 | 103 | 100 | 106 | 102 | 99 | 102 | 99 | 97 | 90 |
| 3.00 | 110 | 106 | 102 | 108 | 104 | 101 | 104 | 101 | 99 | 91 |
| 4.00 | 112 | 109 | 106 | 110 | 107 | 104 | 105 | 103 | 101 | 93 |
| 5.00 | 113 | 110 | 108 | 111 | 108 | 106 | 106 | 104 | 103 | 94 |
| 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:2016-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



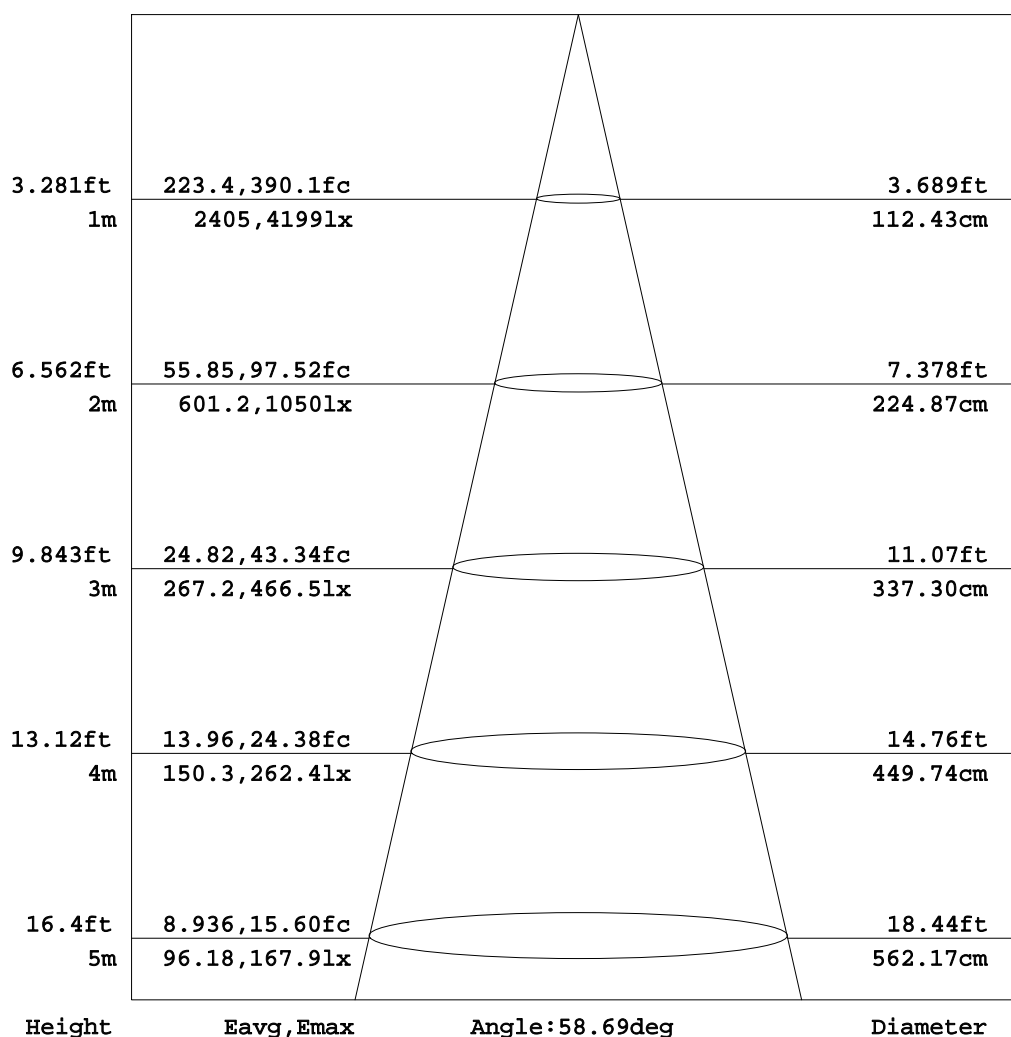
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |

Flux out:2518 lm



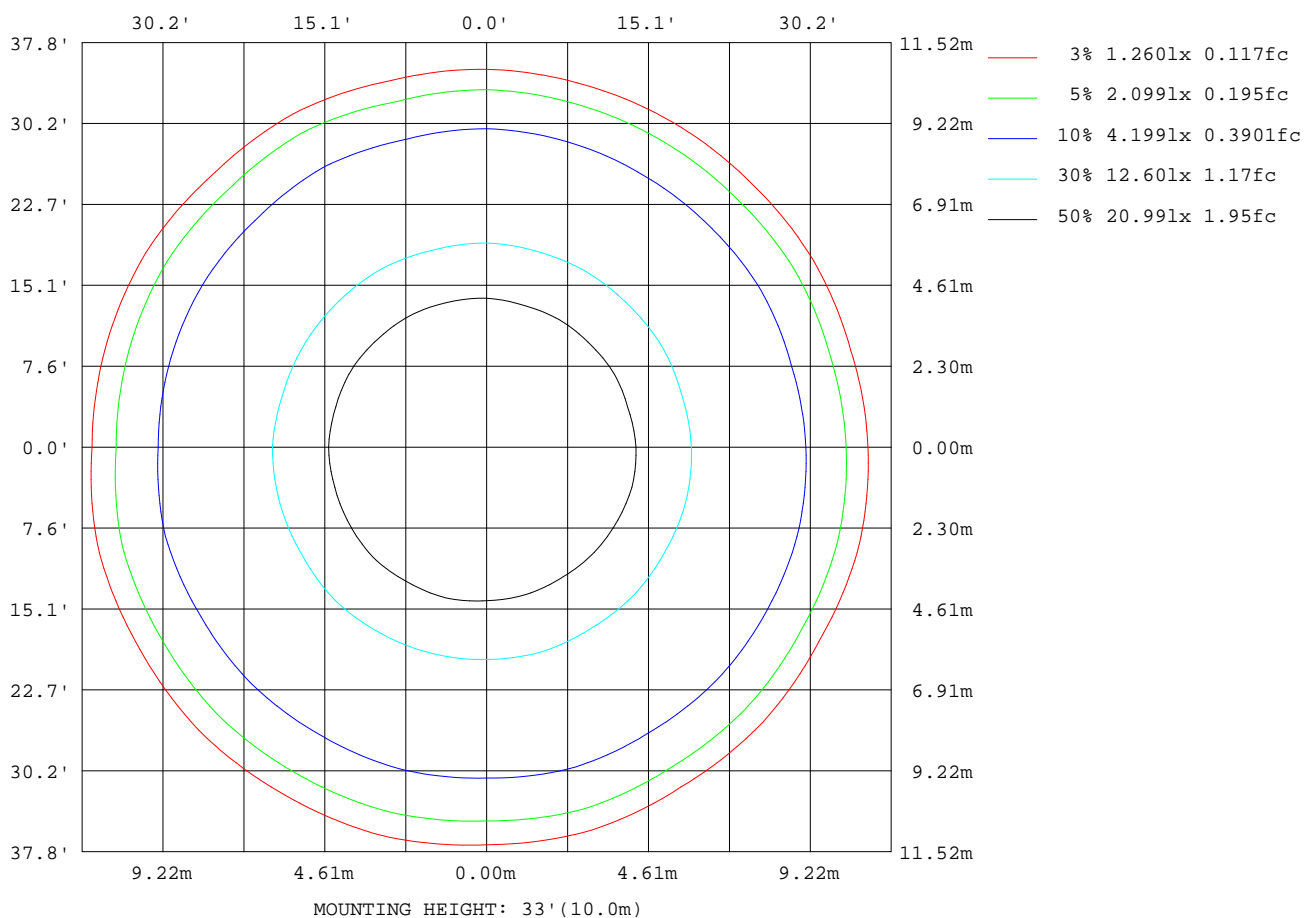
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

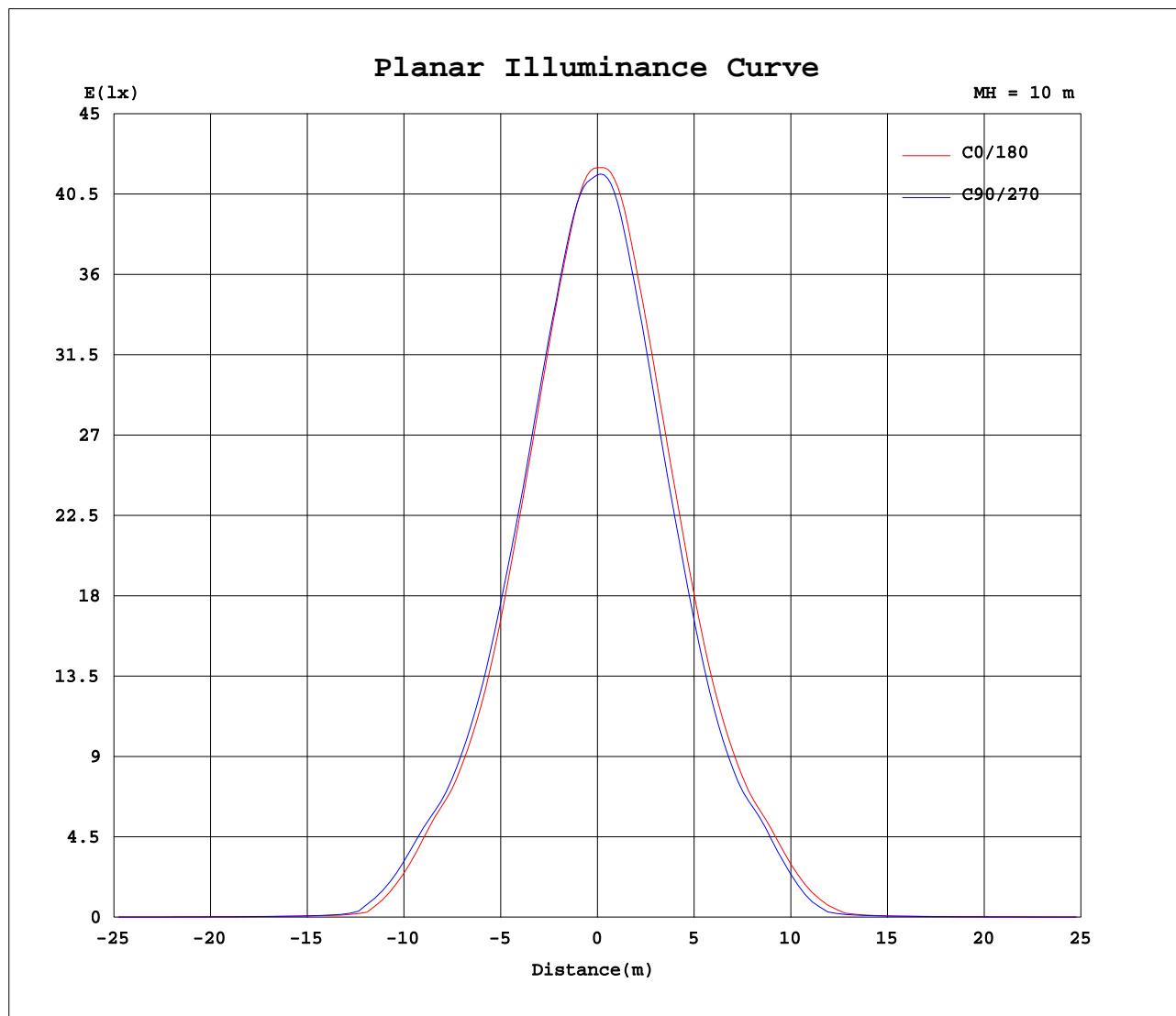
| | | |
|---|--------|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: Rayconn | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ZhangXiao
Test Date: 2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [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: 2016-07-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 65.0%
Test Distance: 6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--------|--|--|--|--|-------------------|--|--|--|--|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 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 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 | 4164 |
| 5 | 4074 | 4079 | 4072 | 4080 | 4081 | 4094 | 4103 | 4118 | 4126 | 4138 | 4144 | 4150 | 4149 | 4145 | 4150 | 4135 | 4129 | 4116 | 4113 |
| 10 | 3775 | 3787 | 3785 | 3794 | 3793 | 3823 | 3841 | 3881 | 3900 | 3929 | 3927 | 3931 | 3918 | 3889 | 3887 | 3849 | 3848 | 3816 | 3811 |
| 15 | 3402 | 3432 | 3426 | 3435 | 3429 | 3471 | 3488 | 3529 | 3534 | 3575 | 3576 | 3586 | 3572 | 3532 | 3531 | 3487 | 3477 | 3436 | 3429 |
| 20 | 2961 | 2984 | 2979 | 2987 | 2987 | 3033 | 3056 | 3110 | 3119 | 3160 | 3158 | 3159 | 3147 | 3114 | 3093 | 3043 | 3044 | 2989 | 2970 |
| 25 | 2474 | 2515 | 2506 | 2529 | 2539 | 2589 | 2611 | 2666 | 2672 | 2715 | 2693 | 2689 | 2664 | 2631 | 2632 | 2590 | 2550 | 2506 | 2489 |
| 30 | 1960 | 1998 | 2003 | 2040 | 2054 | 2113 | 2122 | 2154 | 2171 | 2201 | 2171 | 2175 | 2145 | 2076 | 2063 | 2037 | 2016 | 1967 | 1970 |
| 35 | 1538 | 1571 | 1578 | 1620 | 1617 | 1674 | 1676 | 1690 | 1694 | 1723 | 1685 | 1696 | 1681 | 1624 | 1599 | 1572 | 1585 | 1518 | 1517 |
| 40 | 1242 | 1261 | 1279 | 1301 | 1299 | 1333 | 1332 | 1336 | 1326 | 1349 | 1333 | 1347 | 1324 | 1300 | 1297 | 1278 | 1274 | 1252 | 1244 |
| 45 | 693 | 754 | 766 | 823 | 845 | 906 | 888 | 932 | 925 | 945 | 929 | 935 | 834 | 838 | 831 | 775 | 776 | 672 | 680 |
| 50 | 107 | 168 | 130 | 198 | 199 | 259 | 272 | 315 | 306 | 324 | 301 | 302 | 253 | 230 | 214 | 161 | 176 | 119 | 113 |
| 55 | 43.4 | 44.3 | 45.0 | 47.7 | 49.0 | 51.7 | 53.8 | 56.4 | 54.7 | 56.0 | 54.3 | 54.7 | 54.7 | 52.5 | 50.6 | 47.9 | 47.5 | 46.6 | 45.7 |
| 60 | 31.2 | 32.1 | 32.2 | 33.0 | 33.4 | 34.3 | 34.7 | 35.6 | 35.2 | 35.2 | 34.8 | 34.8 | 34.2 | 34.0 | 34.0 | 33.0 | 32.9 | 32.3 | 32.2 |
| 65 | 23.7 | 24.1 | 24.3 | 24.9 | 25.1 | 25.7 | 25.9 | 26.3 | 25.9 | 26.2 | 25.9 | 26.1 | 25.7 | 25.3 | 25.2 | 24.5 | 24.4 | 24.0 | 24.0 |
| 70 | 14.1 | 14.9 | 15.0 | 16.5 | 16.6 | 18.4 | 18.8 | 19.5 | 19.5 | 19.8 | 19.6 | 19.5 | 19.2 | 17.7 | 17.4 | 15.4 | 15.0 | 14.3 | 14.2 |
| 75 | 11.2 | 11.4 | 11.4 | 11.6 | 11.6 | 11.7 | 11.7 | 11.7 | 11.6 | 11.7 | 11.6 | 11.6 | 11.9 | 11.9 | 12.0 | 11.9 | 12.0 | 11.9 | 11.8 |
| 80 | 10.0 | 10.1 | 10.1 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.1 | 10.1 | 10.0 | 10.0 | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 85 | 9.05 | 9.11 | 9.14 | 9.20 | 9.23 | 9.28 | 9.27 | 9.28 | 9.25 | 9.22 | 9.17 | 9.15 | 9.91 | 9.92 | 9.96 | 9.97 | 9.98 | 9.95 | 9.93 |
| 90 | 7.69 | 7.63 | 7.62 | 7.63 | 7.71 | 7.89 | 7.93 | 8.02 | 8.00 | 8.03 | 7.97 | 7.96 | 8.80 | 8.65 | 8.61 | 8.59 | 8.60 | 8.68 | 8.69 |
| 95 | 8.41 | 8.35 | 8.33 | 8.26 | 8.23 | 8.16 | 8.14 | 8.08 | 8.09 | 8.06 | 8.11 | 8.11 | 9.26 | 9.34 | 9.36 | 9.44 | 9.46 | 9.55 | 9.57 |
| 100 | 9.33 | 9.25 | 9.23 | 9.13 | 9.10 | 9.01 | 8.99 | 8.91 | 8.93 | 8.89 | 8.94 | 8.94 | 10.3 | 10.4 | 10.4 | 10.5 | 10.5 | 10.6 | 10.6 |
| 105 | 10.5 | 10.4 | 10.4 | 10.2 | 10.2 | 10.1 | 10.0 | 9.96 | 9.97 | 9.92 | 9.98 | 9.97 | 11.4 | 11.5 | 11.5 | 11.7 | 11.7 | 11.8 | 11.8 |
| 110 | 11.9 | 11.7 | 11.7 | 11.6 | 11.5 | 11.4 | 11.4 | 11.2 | 11.3 | 11.2 | 11.3 | 11.2 | 12.8 | 12.9 | 12.9 | 13.0 | 13.1 | 13.2 | 13.2 |
| 115 | 13.5 | 13.4 | 13.4 | 13.2 | 13.1 | 13.0 | 12.9 | 12.8 | 12.8 | 12.7 | 12.8 | 12.8 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.8 |
| 120 | 15.4 | 15.3 | 15.2 | 15.0 | 15.0 | 14.8 | 14.8 | 14.6 | 14.6 | 14.5 | 14.6 | 14.6 | 16.1 | 16.2 | 16.2 | 16.4 | 16.4 | 16.6 | 16.6 |
| 125 | 17.5 | 17.4 | 17.3 | 17.1 | 17.1 | 16.8 | 16.8 | 16.6 | 16.6 | 16.5 | 16.6 | 16.6 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.6 | 18.6 |
| 130 | 19.7 | 19.5 | 19.5 | 19.3 | 19.3 | 19.1 | 18.9 | 18.8 | 18.8 | 18.7 | 18.7 | 18.7 | 20.1 | 20.2 | 20.2 | 20.4 | 20.5 | 20.6 | 20.7 |
| 135 | 21.8 | 21.7 | 21.7 | 21.5 | 21.5 | 21.3 | 21.1 | 20.9 | 20.9 | 20.8 | 20.9 | 20.9 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.7 | 22.7 |
| 140 | 24.0 | 23.9 | 23.8 | 23.7 | 23.6 | 23.5 | 23.4 | 23.1 | 23.1 | 23.0 | 23.0 | 23.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.7 | 24.7 |
| 145 | 25.9 | 25.8 | 25.8 | 25.6 | 25.6 | 25.4 | 25.4 | 25.2 | 25.1 | 25.0 | 25.0 | 25.0 | 25.9 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.4 |
| 150 | 27.3 | 27.2 | 27.2 | 27.1 | 27.1 | 27.0 | 26.9 | 26.8 | 26.7 | 26.6 | 26.6 | 26.6 | 27.3 | 27.4 | 27.4 | 27.5 | 27.6 | 27.6 | 27.7 |
| 155 | 28.6 | 28.5 | 28.5 | 28.4 | 28.4 | 28.3 | 28.2 | 28.1 | 28.0 | 27.9 | 27.9 | 27.9 | 28.5 | 28.6 | 28.6 | 28.7 | 28.8 | 28.8 | 28.8 |
| 160 | 29.8 | 29.8 | 29.7 | 29.7 | 29.7 | 29.6 | 29.5 | 29.4 | 29.4 | 29.2 | 29.3 | 29.2 | 29.8 | 29.8 | 29.9 | 30.0 | 30.0 | 30.0 | 30.0 |
| 165 | 30.9 | 30.9 | 30.9 | 30.8 | 30.8 | 30.7 | 30.7 | 30.6 | 30.5 | 30.4 | 30.5 | 30.4 | 30.9 | 30.9 | 31.0 | 31.0 | 31.1 | 31.1 | 31.1 |
| 170 | 32.0 | 32.0 | 32.0 | 32.0 | 31.9 | 31.9 | 31.8 | 31.7 | 31.7 | 31.7 | 31.7 | 31.6 | 32.0 | 32.0 | 32.1 | 32.1 | 32.2 | 32.2 | 32.2 |
| 175 | 33.2 | 33.2 | 33.2 | 33.1 | 33.1 | 33.0 | 33.0 | 33.0 | 32.9 | 32.9 | 32.9 | 32.9 | 33.1 | 33.1 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| 180 | 33.8 | 33.9 | 33.8 | 33.9 | 33.8 | 33.8 | 33.8 | 33.8 | 33.7 | 33.7 | 33.7 | 33.7 | 33.9 | 33.8 | 33.9 | 33.8 | 33.9 | 33.8 | 33.8 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | | | | |
|---|--|--|--------|--|-------------------|
| Test:U:226.6V I:0.1810A P:39.30W PF:0.9550 Lamp Flux:4322.75x1 lm | | | | | |
| NAME: | | | TYPE: | | WEIGHT: |
| DIM.: | | | SPEC.: | | SERIAL No.: |
| MFR.: Rayconn | | | SUR.: | | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEC) γ (DEC) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 4164 | 4164 | 4164 | 4164 | 4164 | | | | | | | | | | | | | | |
| 5 | 4096 | 4096 | 4081 | 4084 | 4070 | | | | | | | | | | | | | | |
| 10 | 3785 | 3789 | 3768 | 3779 | 3762 | | | | | | | | | | | | | | |
| 15 | 3391 | 3406 | 3387 | 3407 | 3385 | | | | | | | | | | | | | | |
| 20 | 2928 | 2943 | 2923 | 2957 | 2937 | | | | | | | | | | | | | | |
| 25 | 2438 | 2440 | 2425 | 2453 | 2449 | | | | | | | | | | | | | | |
| 30 | 1931 | 1926 | 1912 | 1939 | 1935 | | | | | | | | | | | | | | |
| 35 | 1491 | 1489 | 1488 | 1509 | 1501 | | | | | | | | | | | | | | |
| 40 | 1223 | 1194 | 1205 | 1223 | 1214 | | | | | | | | | | | | | | |
| 45 | 639 | 618 | 613 | 650 | 653 | | | | | | | | | | | | | | |
| 50 | 98.6 | 103 | 95.1 | 98.8 | 97.8 | | | | | | | | | | | | | | |
| 55 | 43.4 | 43.8 | 42.3 | 42.8 | 42.4 | | | | | | | | | | | | | | |
| 60 | 31.5 | 31.8 | 31.5 | 31.6 | 31.3 | | | | | | | | | | | | | | |
| 65 | 23.7 | 23.9 | 23.9 | 24.1 | 24.0 | | | | | | | | | | | | | | |
| 70 | 13.9 | 14.0 | 13.8 | 14.1 | 14.1 | | | | | | | | | | | | | | |
| 75 | 11.7 | 11.7 | 11.6 | 11.7 | 11.7 | | | | | | | | | | | | | | |
| 80 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | | | | | | | | | | | | | | |
| 85 | 9.88 | 9.86 | 9.82 | 9.83 | 9.84 | | | | | | | | | | | | | | |
| 90 | 8.75 | 8.74 | 8.78 | 8.74 | 8.74 | | | | | | | | | | | | | | |
| 95 | 9.64 | 9.62 | 9.67 | 9.61 | 9.62 | | | | | | | | | | | | | | |
| 100 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | | | | | | | | | | | | | | |
| 105 | 11.9 | 11.9 | 12.0 | 11.9 | 11.9 | | | | | | | | | | | | | | |
| 110 | 13.4 | 13.3 | 13.4 | 13.3 | 13.3 | | | | | | | | | | | | | | |
| 115 | 15.0 | 15.0 | 15.0 | 14.9 | 14.9 | | | | | | | | | | | | | | |
| 120 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | | | | | | | | | | | | | | |
| 125 | 18.8 | 18.8 | 18.8 | 18.7 | 18.7 | | | | | | | | | | | | | | |
| 130 | 20.8 | 20.8 | 20.9 | 20.8 | 20.8 | | | | | | | | | | | | | | |
| 135 | 22.8 | 22.8 | 22.9 | 22.8 | 22.8 | | | | | | | | | | | | | | |
| 140 | 24.8 | 24.8 | 24.8 | 24.8 | 24.7 | | | | | | | | | | | | | | |
| 145 | 26.5 | 26.4 | 26.5 | 26.4 | 26.4 | | | | | | | | | | | | | | |
| 150 | 27.7 | 27.7 | 27.7 | 27.6 | 27.6 | | | | | | | | | | | | | | |
| 155 | 28.9 | 28.9 | 28.9 | 28.8 | 28.7 | | | | | | | | | | | | | | |
| 160 | 30.1 | 30.0 | 30.0 | 29.9 | 29.9 | | | | | | | | | | | | | | |
| 165 | 31.1 | 31.1 | 31.1 | 31.0 | 31.0 | | | | | | | | | | | | | | |
| 170 | 32.2 | 32.2 | 32.1 | 32.1 | 32.0 | | | | | | | | | | | | | | |
| 175 | 33.2 | 33.2 | 33.2 | 33.1 | 33.1 | | | | | | | | | | | | | | |
| 180 | 33.8 | 33.7 | 33.7 | 33.7 | 33.6 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:ZhangXiao
Test Date:2016-07-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:65.0%
Test Distance:6.610m [K=1.0000]
Remarks: