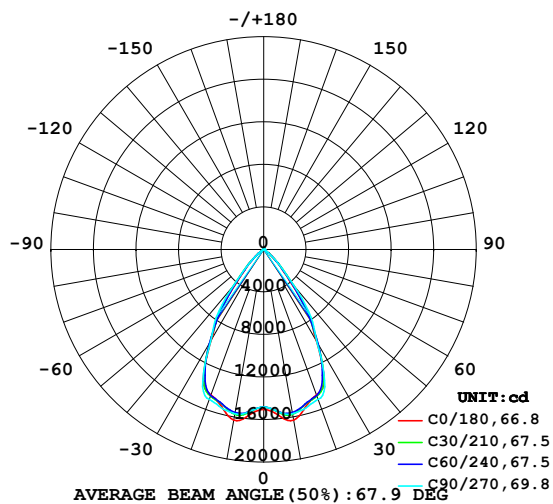


LUMINAIRE PHOTOMETRIC TEST REPORT

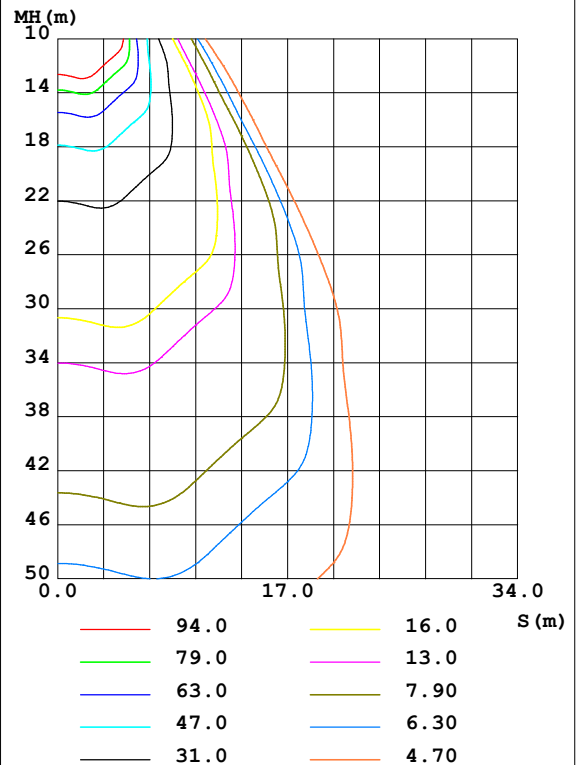
| | | |
|--|-------|------------------|
| Test:U:230.3V I:0.6585A P:149.3W PF:0.9845 Freq:49.99Hz Lamp Flux:18628.8x1 lm | | |
| NAME: H29APC-15-R280-70-50H-2523030R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 124.75 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 16306 | S/MH (C0/180) | 1.01 |
| NOMINAL POWER (W) | 150 | LOR (%) | 100.0 | S/MH (C90/270) | 1.04 |
| RATED VOLTAGE (V) | 230 | TOTAL FLUX (lm) | 18629 | η UP, DN (C0-180) | 0.5, 49.5 |
| NOMINAL FLUX (lm) | 18628.8 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.5, 49.5 |
| LAMPS INSIDE | 1 | η up (%) | 1.0 | CIBSE SHR NOM | 1.00 |
| TEST VOLTAGE (V) | 230 | η down (%) | 99.0 | CIBSE SHR MAX | 1.05 |

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: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [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 | 1629 | 1560 | 1567 | 1560 | 1629 | 1560 | 1567 | 1560 | 0- 10 | 1482 | 1482 | 7.95, 7.95 |
| 20 | 1454 | 1457 | 1499 | 1457 | 1454 | 1457 | 1499 | 1457 | 10- 20 | 4289 | 5771 | 31, 31 |
| 30 | 996.3 | 1017 | 1002 | 1017 | 996.3 | 1017 | 1002 | 1017 | 20- 30 | 5933 | 11704 | 62.8, 62.8 |
| 40 | 377.4 | 425.6 | 436.8 | 425.6 | 377.4 | 425.6 | 436.8 | 425.6 | 30- 40 | 4412 | 16117 | 86.5, 86.5 |
| 50 | 108.6 | 107.3 | 103.3 | 107.3 | 108.6 | 107.3 | 103.3 | 107.3 | 40- 50 | 1747 | 17863 | 95.9, 95.9 |
| 60 | 16.99 | 16.59 | 16.20 | 16.59 | 16.99 | 16.59 | 16.20 | 16.59 | 50- 60 | 428.1 | 18292 | 98.2, 98.2 |
| 70 | 6.056 | 5.915 | 5.908 | 5.915 | 6.056 | 5.915 | 5.908 | 5.915 | 60- 70 | 96.10 | 18388 | 98.7, 98.7 |
| 80 | 2.522 | 2.464 | 2.448 | 2.464 | 2.522 | 2.464 | 2.448 | 2.464 | 70- 80 | 43.34 | 18431 | 98.9, 98.9 |
| 90 | 0.0960 | 0.0937 | 0.0898 | 0.0937 | 0.0960 | 0.0937 | 0.0898 | 0.0937 | 80- 90 | 11.42 | 18442 | 99, 99 |
| 100 | 0.2910 | 0.3049 | 0.3013 | 0.3049 | 0.2910 | 0.3049 | 0.3013 | 0.3049 | 90-100 | 1.918 | 18444 | 99, 99 |
| 110 | 0.8831 | 0.9000 | 0.9044 | 0.9000 | 0.8831 | 0.9000 | 0.9044 | 0.9000 | 100-110 | 5.962 | 18450 | 99, 99 |
| 120 | 1.947 | 1.950 | 1.969 | 1.950 | 1.947 | 1.950 | 1.969 | 1.950 | 110-120 | 13.77 | 18464 | 99.1, 99.1 |
| 130 | 3.368 | 3.365 | 3.376 | 3.365 | 3.368 | 3.365 | 3.376 | 3.365 | 120-130 | 23.36 | 18487 | 99.2, 99.2 |
| 140 | 5.129 | 5.101 | 5.114 | 5.101 | 5.129 | 5.101 | 5.114 | 5.101 | 130-140 | 32.53 | 18520 | 99.4, 99.4 |
| 150 | 7.027 | 6.930 | 6.916 | 6.930 | 7.027 | 6.930 | 6.916 | 6.930 | 140-150 | 37.62 | 18558 | 99.6, 99.6 |
| 160 | 8.617 | 8.494 | 8.486 | 8.494 | 8.617 | 8.494 | 8.486 | 8.494 | 150-160 | 35.53 | 18593 | 99.8, 99.8 |
| 170 | 10.03 | 9.881 | 9.861 | 9.881 | 10.03 | 9.881 | 9.861 | 9.881 | 160-170 | 25.95 | 18619 | 99.9, 99.9 |
| 180 | 10.76 | 10.59 | 10.59 | 10.59 | 10.76 | 10.59 | 10.59 | 10.59 | 170-180 | 9.739 | 18629 | 100, 100 |
| DEG | LUMINOUS INTENSITY: *10cd | | | | | | | | | UNIT: lm | | |

Conical surface Flux(90deg): 17225 lm

%lum = 92.5%

%lamp = 92.5%

Conical surface Flux(120deg): 18292 lm

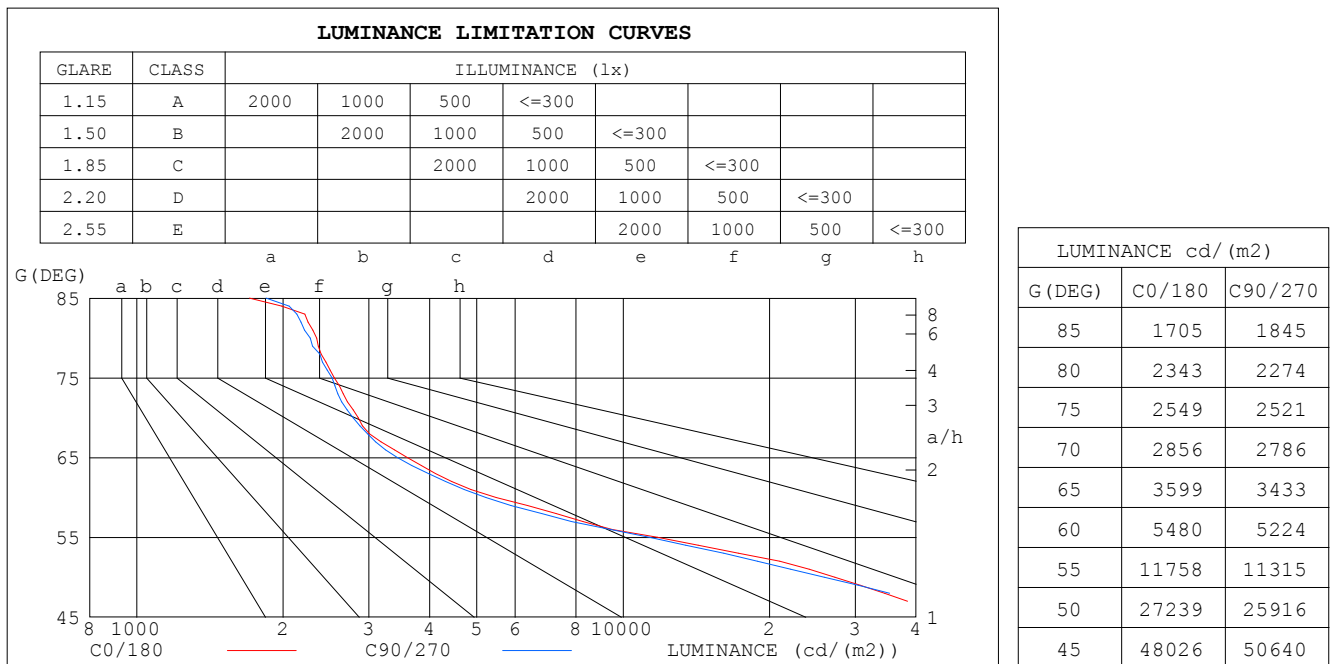
%lum = 98.2%

%lamp = 98.2%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

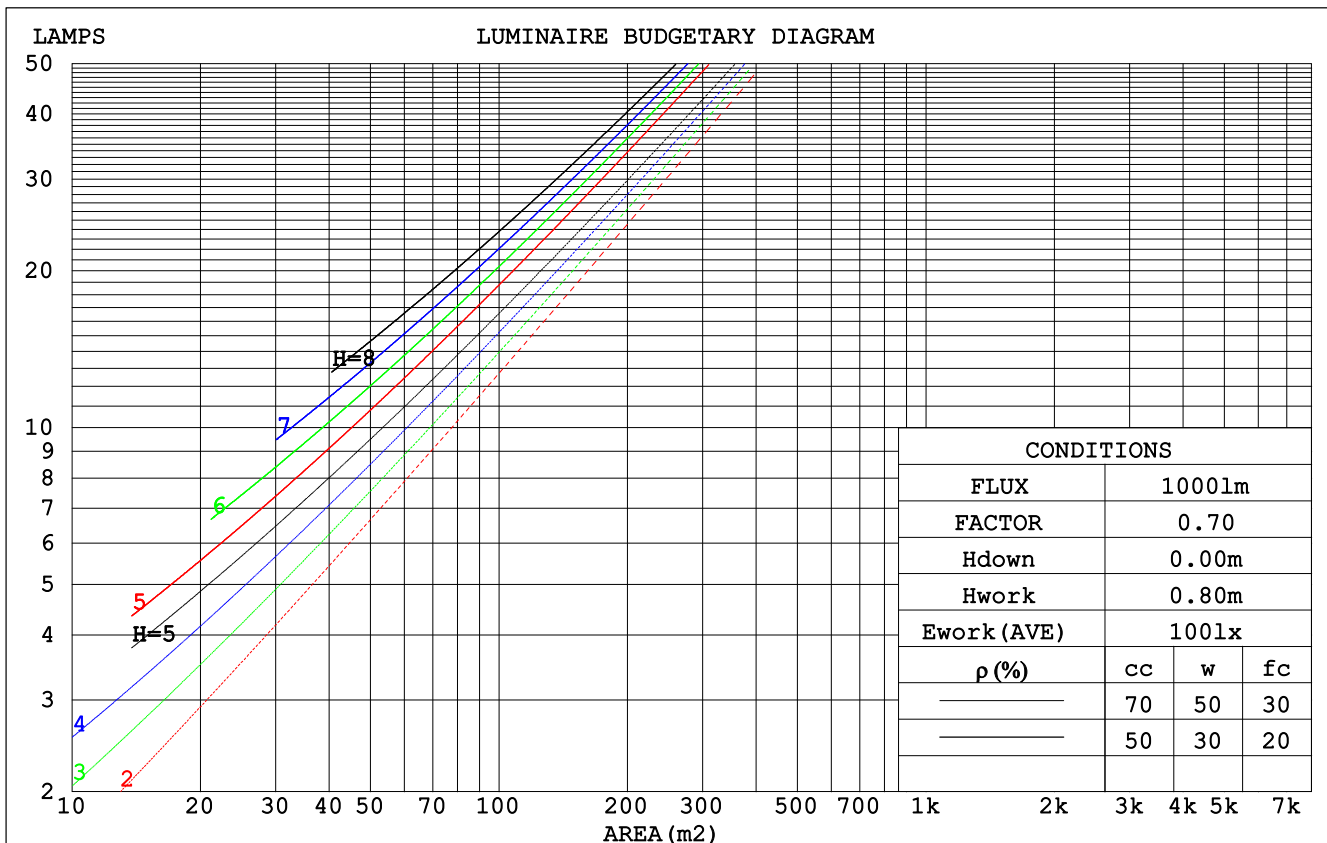


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| 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 | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | .99 |
| 1.0 | 1.10 | 1.07 | 1.05 | 1.08 | 1.05 | 1.03 | 1.03 | 1.02 | .00 | .99 | .98 | .97 | .96 | .95 | .94 | .92 |
| 2.0 | 1.02 | .97 | .94 | .00 | .96 | .93 | .96 | .93 | .90 | .93 | .91 | .88 | .90 | .88 | .86 | .84 |
| 3.0 | .94 | .89 | .84 | .92 | .88 | .84 | .90 | .86 | .82 | .87 | .84 | .81 | .85 | .82 | .79 | .78 |
| 4.0 | .87 | .81 | .77 | .86 | .80 | .76 | .84 | .79 | .75 | .81 | .77 | .74 | .79 | .76 | .73 | .72 |
| 5.0 | .81 | .75 | .70 | .80 | .74 | .70 | .78 | .73 | .69 | .76 | .72 | .68 | .75 | .71 | .68 | .66 |
| 6.0 | .75 | .69 | .64 | .75 | .69 | .64 | .73 | .68 | .64 | .71 | .67 | .63 | .70 | .66 | .63 | .61 |
| 7.0 | .70 | .64 | .59 | .70 | .64 | .59 | .68 | .63 | .59 | .67 | .62 | .58 | .66 | .61 | .58 | .57 |
| 8.0 | .66 | .60 | .55 | .65 | .59 | .55 | .64 | .59 | .55 | .63 | .58 | .54 | .62 | .57 | .54 | .53 |
| 9.0 | .62 | .56 | .51 | .61 | .55 | .51 | .60 | .55 | .51 | .59 | .54 | .51 | .58 | .54 | .50 | .49 |
| 10.0 | .58 | .52 | .48 | .58 | .52 | .48 | .57 | .51 | .48 | .56 | .51 | .47 | .55 | .50 | .47 | .46 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

WEC AND CCEC

| 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 | .189 | .108 | .034 | .182 | .104 | .033 | .169 | .097 | .031 | .157 | .091 | .029 | .146 | .085 | .027 | |
| 2.0 | .183 | .100 | .031 | .177 | .097 | .030 | .165 | .092 | .029 | .155 | .087 | .027 | .146 | .082 | .026 | |
| 3.0 | .175 | .093 | .028 | .170 | .091 | .027 | .160 | .087 | .026 | .151 | .083 | .025 | .143 | .079 | .024 | |
| 4.0 | .167 | .087 | .025 | .162 | .085 | .025 | .154 | .082 | .024 | .146 | .078 | .024 | .139 | .075 | .023 | |
| 5.0 | .159 | .081 | .023 | .155 | .080 | .023 | .148 | .077 | .023 | .141 | .074 | .022 | .134 | .072 | .022 | |
| 6.0 | .152 | .076 | .022 | .148 | .075 | .022 | .142 | .073 | .021 | .136 | .070 | .021 | .130 | .068 | .020 | |
| 7.0 | .145 | .072 | .020 | .142 | .071 | .020 | .136 | .069 | .020 | .130 | .067 | .019 | .125 | .065 | .019 | |
| 8.0 | .139 | .068 | .019 | .136 | .067 | .019 | .131 | .065 | .019 | .126 | .064 | .018 | .121 | .062 | .018 | |
| 9.0 | .133 | .064 | .018 | .130 | .063 | .018 | .125 | .062 | .018 | .121 | .061 | .017 | .117 | .059 | .017 | |
| 10.0 | .127 | .061 | .017 | .125 | .060 | .017 | .120 | .059 | .017 | .116 | .058 | .016 | .113 | .057 | .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 | .198 | .198 | .198 | .169 | .169 | .169 | .116 | .116 | .116 | .066 | .066 | .066 | .021 | .021 | .021 | |
| 1.0 | .180 | .165 | .152 | .154 | .142 | .130 | .105 | .097 | .090 | .061 | .056 | .052 | .019 | .018 | .017 | |
| 2.0 | .165 | .140 | .119 | .142 | .121 | .103 | .097 | .083 | .072 | .056 | .049 | .042 | .018 | .016 | .014 | |
| 3.0 | .154 | .121 | .096 | .132 | .105 | .083 | .091 | .073 | .058 | .052 | .043 | .034 | .017 | .014 | .011 | |
| 4.0 | .144 | .107 | .078 | .124 | .092 | .068 | .085 | .064 | .048 | .049 | .038 | .028 | .016 | .012 | .009 | |
| 5.0 | .136 | .096 | .066 | .117 | .083 | .057 | .081 | .058 | .040 | .047 | .034 | .024 | .015 | .011 | .008 | |
| 6.0 | .129 | .087 | .056 | .111 | .075 | .049 | .077 | .052 | .034 | .044 | .031 | .020 | .014 | .010 | .007 | |
| 7.0 | .123 | .079 | .048 | .106 | .069 | .042 | .073 | .048 | .030 | .042 | .028 | .018 | .014 | .009 | .006 | |
| 8.0 | .117 | .073 | .043 | .101 | .063 | .037 | .070 | .045 | .026 | .041 | .026 | .016 | .013 | .009 | .005 | |
| 9.0 | .112 | .068 | .038 | .097 | .059 | .033 | .067 | .041 | .024 | .039 | .025 | .014 | .013 | .008 | .005 | |
| 10.0 | .108 | .064 | .034 | .093 | .055 | .030 | .065 | .039 | .021 | .038 | .023 | .013 | .012 | .008 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|------|------|
| 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 | 11.8 | 12.8 | 12.0 | 13.0 | 13.2 | 11.8 | 12.8 | 12.0 | 13.0 | 13.2 |
| 3H | 11.6 | 12.6 | 11.9 | 12.8 | 13.0 | 11.6 | 12.6 | 11.9 | 12.8 | 13.0 |
| 4H | 11.5 | 12.4 | 11.8 | 12.7 | 12.9 | 11.5 | 12.4 | 11.8 | 12.7 | 12.9 |
| 6H | 11.5 | 12.3 | 11.8 | 12.5 | 12.8 | 11.5 | 12.3 | 11.8 | 12.5 | 12.8 |
| 8H | 11.4 | 12.2 | 11.7 | 12.5 | 12.8 | 11.4 | 12.2 | 11.7 | 12.5 | 12.8 |
| 12H | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 |
| 4H 2H | 11.5 | 12.4 | 11.8 | 12.7 | 12.9 | 11.5 | 12.4 | 11.8 | 12.7 | 12.9 |
| 3H | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 |
| 4H | 11.3 | 12.0 | 11.7 | 12.3 | 12.6 | 11.3 | 12.0 | 11.7 | 12.3 | 12.6 |
| 6H | 11.2 | 11.8 | 11.6 | 12.2 | 12.5 | 11.2 | 11.8 | 11.6 | 12.2 | 12.5 |
| 8H | 11.2 | 11.7 | 11.6 | 12.1 | 12.5 | 11.2 | 11.7 | 11.6 | 12.1 | 12.5 |
| 12H | 11.1 | 11.6 | 11.6 | 12.0 | 12.4 | 11.1 | 11.6 | 11.6 | 12.0 | 12.4 |
| 8H 4H | 11.2 | 11.7 | 11.6 | 12.1 | 12.5 | 11.2 | 11.7 | 11.6 | 12.1 | 12.5 |
| 6H | 11.1 | 11.5 | 11.5 | 11.9 | 12.4 | 11.1 | 11.5 | 11.5 | 11.9 | 12.4 |
| 8H | 11.0 | 11.4 | 11.5 | 11.9 | 12.3 | 11.0 | 11.4 | 11.5 | 11.9 | 12.3 |
| 12H | 11.0 | 11.3 | 11.5 | 11.8 | 12.3 | 11.0 | 11.3 | 11.5 | 11.8 | 12.3 |
| 12H 4H | 11.1 | 11.6 | 11.5 | 12.0 | 12.4 | 11.1 | 11.6 | 11.5 | 12.0 | 12.4 |
| 6H | 11.0 | 11.4 | 11.5 | 11.9 | 12.3 | 11.0 | 11.4 | 11.5 | 11.9 | 12.3 |
| 8H | 11.0 | 11.3 | 11.5 | 11.8 | 12.3 | 11.0 | 11.3 | 11.5 | 11.8 | 12.3 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 2.8 / - 9.4 | | | | | + 3.3 / - 9.8 | | | | |
| 1.5H | + 4.3 / - 7.5 | | | | | + 5.0 / - 7.5 | | | | |
| 2.0H | + 5.6 / - 7.7 | | | | | + 6.0 / - 7.6 | | | | |

CIE Pub.117, 18629 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

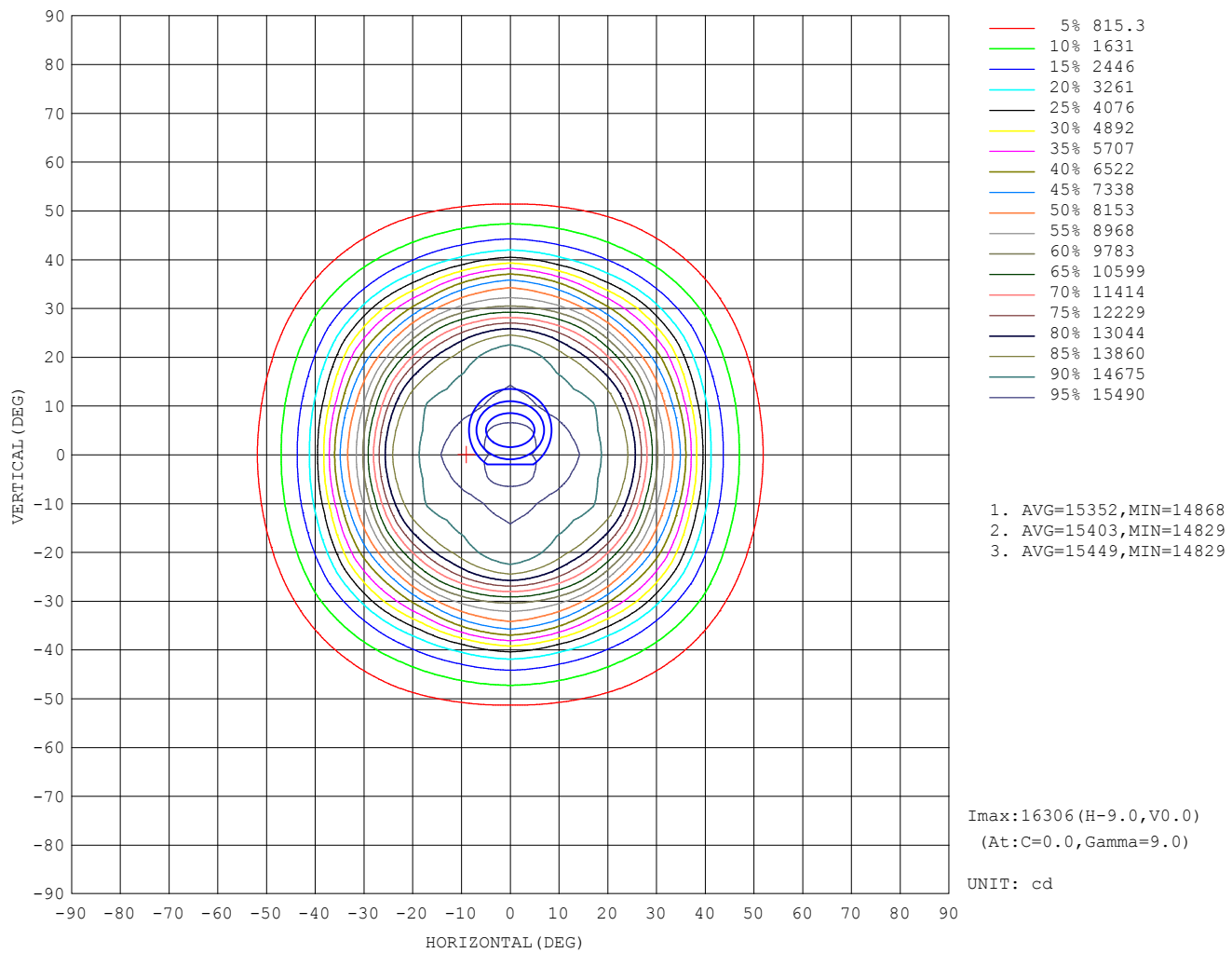
UTILIZATION FACTORS TABLE

| 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 | 82 | 76 | 72 | 82 | 75 | 71 | 67 |
| 0.80 | 91 | 85 | 80 | 90 | 84 | 80 | 89 | 83 | 80 | 76 |
| 1.00 | 96 | 90 | 86 | 95 | 90 | 86 | 94 | 90 | 85 | 81 |
| 1.25 | 101 | 95 | 91 | 100 | 95 | 91 | 98 | 93 | 90 | 85 |
| 1.50 | 104 | 99 | 95 | 103 | 98 | 95 | 100 | 96 | 93 | 88 |
| 2.00 | 107 | 103 | 99 | 106 | 101 | 98 | 103 | 99 | 97 | 91 |
| 2.50 | 109 | 105 | 102 | 107 | 104 | 101 | 104 | 101 | 99 | 92 |
| 3.00 | 111 | 107 | 104 | 109 | 105 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 95 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 108 | 108 | 106 | 105 | 97 |
| 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: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

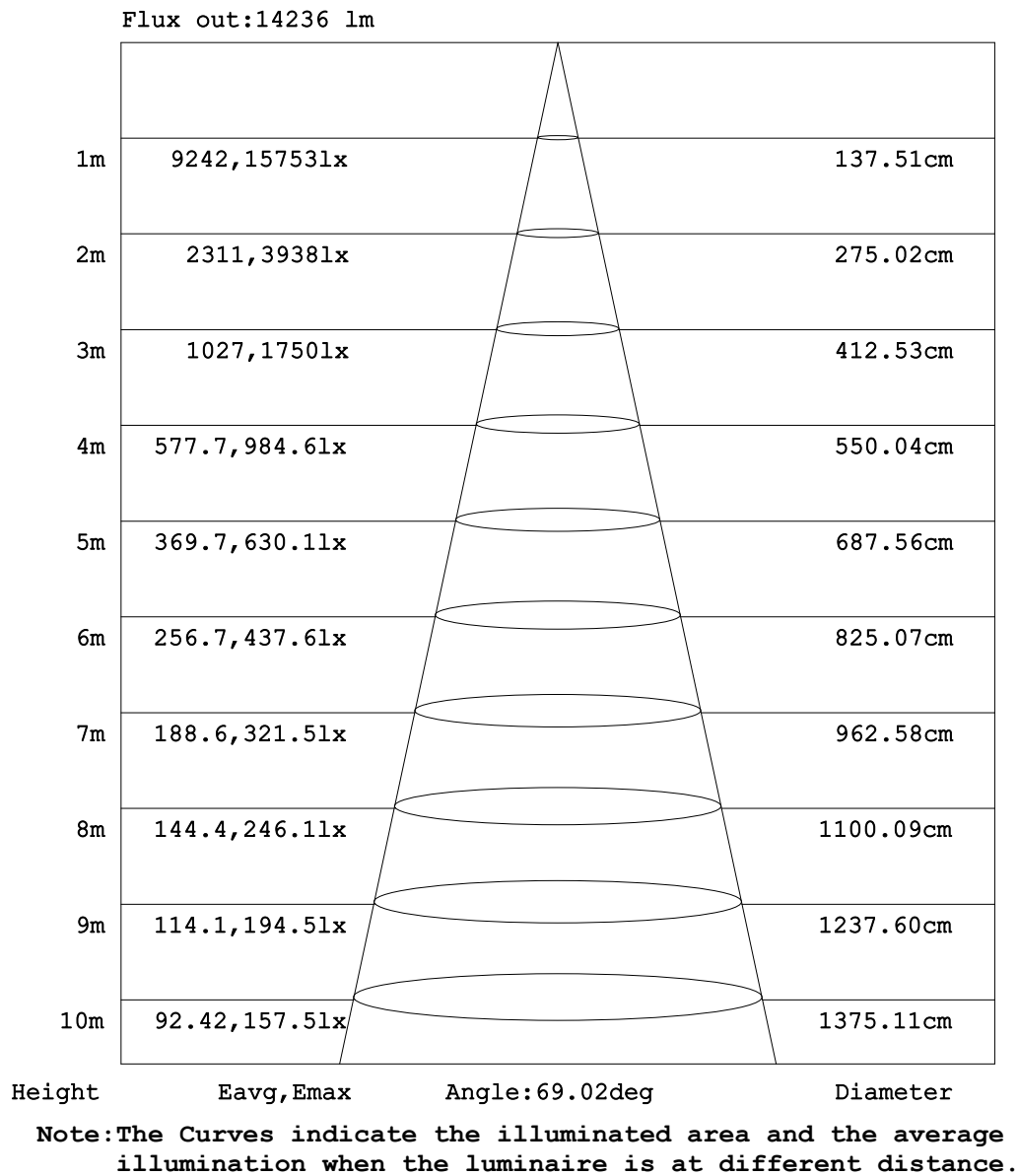
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

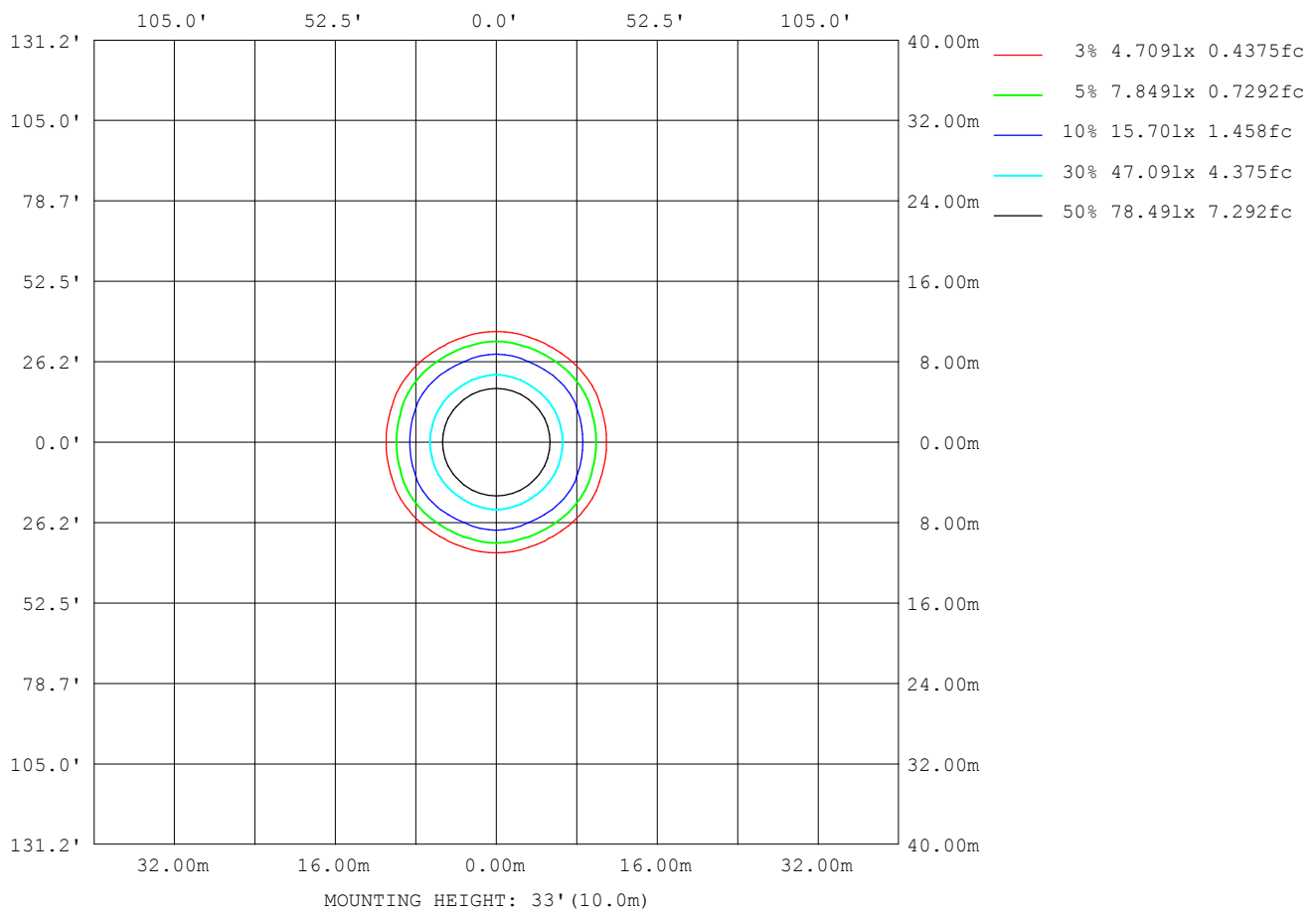
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|-------|------------------|
| Test:U:230.3V I:0.6585A P:149.3W PF:0.9845 Freq:49.99Hz Lamp Flux:18628.8x1 lm | | |
| NAME: H29APC-15-R280-70-50H-2523030R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

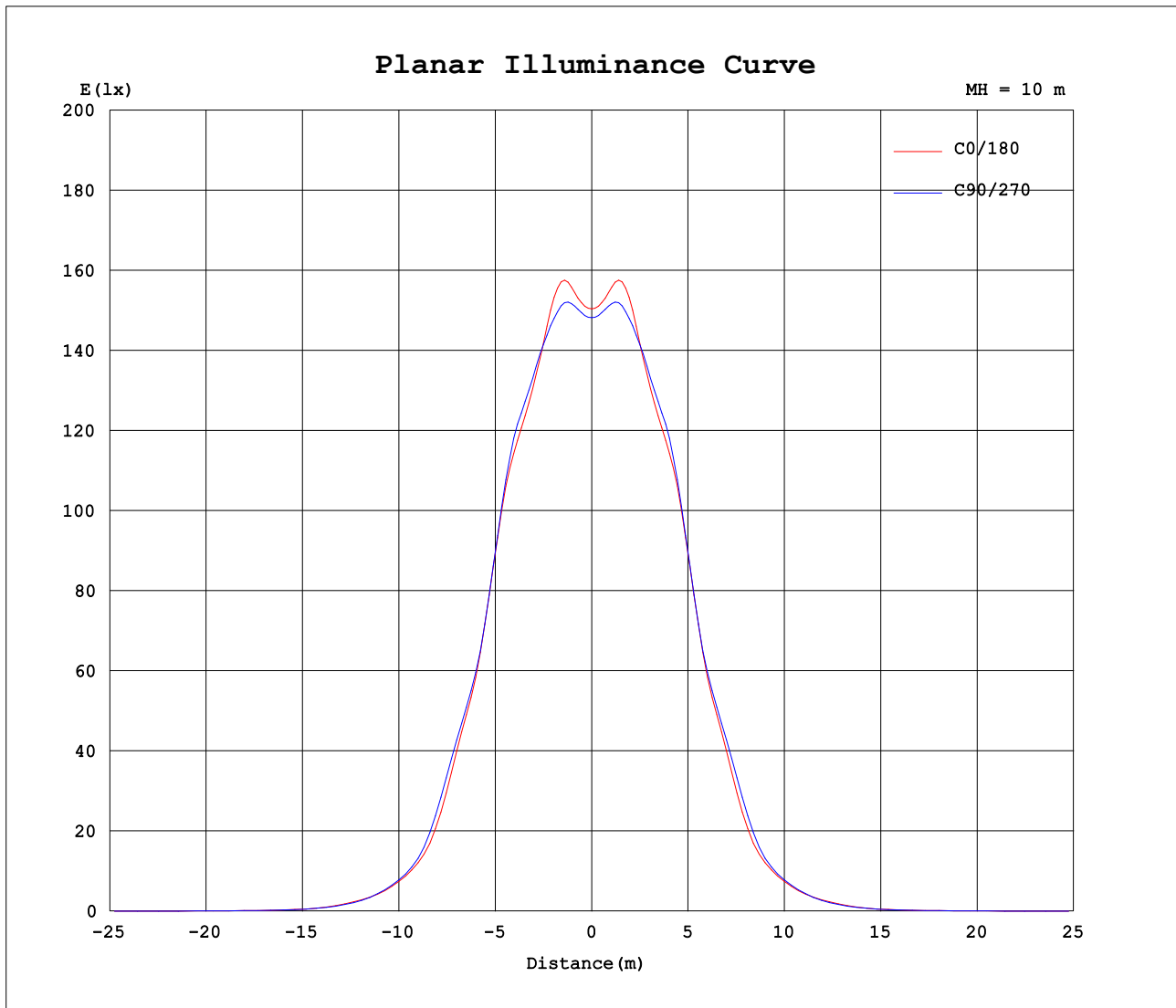
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 3599 |
| L_0~180 (75) av | 2549 |
| L_0~180 (85) av | 1705 |
| L_90~270 (65) av | 3433 |
| L_90~270 (75) av | 2521 |
| L_90~270 (85) av | 1845 |
| L_45 (65) av | 3468 |
| L_45 (75) av | 2547 |
| L_45 (85) av | 1637 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: ×10cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1505 | 1484 | 1483 | 1482 | 1482 | 1481 | 1482 | 1481 | 1482 | 1482 | 1483 | 1484 | 1505 | 1484 | 1483 | 1482 | 1482 | 1481 | 1482 |
| 5 | 1562 | 1538 | 1533 | 1529 | 1529 | 1529 | 1528 | 1529 | 1529 | 1529 | 1533 | 1538 | 1562 | 1538 | 1533 | 1529 | 1529 | 1529 | 1528 |
| 10 | 1629 | 1598 | 1576 | 1560 | 1557 | 1565 | 1567 | 1565 | 1557 | 1560 | 1576 | 1598 | 1629 | 1598 | 1576 | 1560 | 1557 | 1565 | 1567 |
| 15 | 1531 | 1513 | 1509 | 1504 | 1506 | 1528 | 1544 | 1528 | 1506 | 1504 | 1509 | 1513 | 1531 | 1513 | 1509 | 1504 | 1506 | 1528 | 1544 |
| 20 | 1454 | 1454 | 1468 | 1457 | 1460 | 1486 | 1499 | 1486 | 1460 | 1457 | 1468 | 1454 | 1454 | 1454 | 1468 | 1457 | 1460 | 1486 | 1499 |
| 25 | 1345 | 1337 | 1337 | 1311 | 1307 | 1334 | 1358 | 1334 | 1307 | 1311 | 1337 | 1337 | 1345 | 1337 | 1337 | 1311 | 1307 | 1334 | 1358 |
| 30 | 996 | 995 | 1022 | 1017 | 1026 | 1008 | 1002 | 1008 | 1026 | 1017 | 1022 | 995 | 996 | 995 | 1022 | 1017 | 1026 | 1008 | 1002 |
| 35 | 728 | 713 | 720 | 699 | 701 | 744 | 779 | 744 | 701 | 699 | 720 | 713 | 728 | 713 | 720 | 699 | 701 | 744 | 779 |
| 40 | 377 | 391 | 436 | 426 | 396 | 405 | 437 | 405 | 396 | 426 | 436 | 391 | 377 | 391 | 436 | 426 | 396 | 405 | 437 |
| 45 | 211 | 214 | 228 | 220 | 214 | 215 | 222 | 215 | 214 | 220 | 228 | 214 | 211 | 214 | 228 | 220 | 214 | 215 | 222 |
| 50 | 109 | 107 | 110 | 107 | 106 | 106 | 103 | 106 | 106 | 107 | 110 | 107 | 109 | 107 | 110 | 107 | 106 | 106 | 103 |
| 55 | 41.8 | 38.9 | 42.4 | 40.2 | 42.9 | 39.1 | 40.2 | 39.1 | 42.9 | 40.2 | 42.4 | 38.9 | 41.8 | 38.9 | 42.4 | 40.2 | 42.9 | 39.1 | 40.2 |
| 60 | 17.0 | 16.2 | 16.3 | 16.6 | 17.0 | 16.5 | 16.2 | 16.5 | 17.0 | 16.6 | 16.3 | 16.2 | 17.0 | 16.2 | 16.3 | 16.6 | 17.0 | 16.5 | 16.2 |
| 65 | 9.43 | 9.07 | 9.09 | 9.09 | 9.30 | 9.08 | 9.00 | 9.08 | 9.30 | 9.09 | 9.09 | 9.07 | 9.43 | 9.07 | 9.09 | 9.09 | 9.30 | 9.08 | 9.00 |
| 70 | 6.06 | 5.93 | 5.95 | 5.92 | 5.96 | 5.90 | 5.91 | 5.90 | 5.96 | 5.92 | 5.95 | 5.93 | 6.06 | 5.93 | 5.95 | 5.92 | 5.96 | 5.90 | 5.91 |
| 75 | 4.09 | 4.08 | 4.12 | 4.09 | 4.10 | 4.06 | 4.05 | 4.06 | 4.10 | 4.09 | 4.12 | 4.08 | 4.09 | 4.08 | 4.12 | 4.09 | 4.10 | 4.06 | 4.05 |
| 80 | 2.52 | 2.49 | 2.49 | 2.46 | 2.50 | 2.45 | 2.45 | 2.45 | 2.50 | 2.46 | 2.49 | 2.49 | 2.52 | 2.49 | 2.49 | 2.46 | 2.50 | 2.45 | 2.45 |
| 85 | 0.92 | 0.89 | 0.92 | 0.88 | 0.92 | 0.94 | 1.00 | 0.94 | 0.92 | 0.88 | 0.92 | 0.89 | 0.92 | 0.89 | 0.92 | 0.88 | 0.92 | 0.94 | 1.00 |
| 90 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 95 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 |
| 100 | 0.29 | 0.30 | 0.31 | 0.30 | 0.29 | 0.30 | 0.30 | 0.30 | 0.29 | 0.30 | 0.31 | 0.30 | 0.29 | 0.30 | 0.31 | 0.30 | 0.29 | 0.30 | 0.30 |
| 105 | 0.53 | 0.54 | 0.55 | 0.55 | 0.54 | 0.56 | 0.57 | 0.56 | 0.54 | 0.55 | 0.55 | 0.54 | 0.53 | 0.54 | 0.55 | 0.55 | 0.54 | 0.56 | 0.57 |
| 110 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.90 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 | 0.88 | 0.89 | 0.89 | 0.90 | 0.90 | 0.91 | 0.90 |
| 115 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.39 | 1.39 | 1.39 | 1.38 | 1.38 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.38 | 1.38 | 1.39 | 1.39 |
| 120 | 1.95 | 1.94 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.97 | 1.96 | 1.95 | 1.94 | 1.94 | 1.95 | 1.94 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 |
| 125 | 2.59 | 2.58 | 2.58 | 2.59 | 2.60 | 2.61 | 2.62 | 2.61 | 2.60 | 2.59 | 2.58 | 2.58 | 2.59 | 2.58 | 2.58 | 2.59 | 2.60 | 2.61 | 2.62 |
| 130 | 3.37 | 3.35 | 3.36 | 3.36 | 3.37 | 3.38 | 3.38 | 3.38 | 3.37 | 3.36 | 3.36 | 3.35 | 3.37 | 3.35 | 3.36 | 3.36 | 3.37 | 3.38 | 3.38 |
| 135 | 4.23 | 4.21 | 4.22 | 4.22 | 4.22 | 4.23 | 4.23 | 4.23 | 4.22 | 4.22 | 4.22 | 4.21 | 4.23 | 4.21 | 4.22 | 4.22 | 4.22 | 4.23 | 4.23 |
| 140 | 5.13 | 5.09 | 5.10 | 5.10 | 5.10 | 5.11 | 5.11 | 5.11 | 5.10 | 5.10 | 5.10 | 5.09 | 5.13 | 5.09 | 5.10 | 5.10 | 5.10 | 5.11 | 5.11 |
| 145 | 6.09 | 6.02 | 6.02 | 6.03 | 6.02 | 6.03 | 6.03 | 6.03 | 6.02 | 6.03 | 6.02 | 6.02 | 6.09 | 6.02 | 6.02 | 6.03 | 6.02 | 6.03 | 6.03 |
| 150 | 7.03 | 6.93 | 6.93 | 6.93 | 6.92 | 6.92 | 6.92 | 6.92 | 6.92 | 6.93 | 6.93 | 6.93 | 7.03 | 6.93 | 6.93 | 6.93 | 6.92 | 6.92 | 6.92 |
| 155 | 7.85 | 7.72 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.72 | 7.85 | 7.72 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 |
| 160 | 8.62 | 8.49 | 8.49 | 8.49 | 8.50 | 8.49 | 8.49 | 8.49 | 8.50 | 8.49 | 8.49 | 8.49 | 8.62 | 8.49 | 8.49 | 8.49 | 8.50 | 8.49 | 8.49 |
| 165 | 9.39 | 9.23 | 9.22 | 9.23 | 9.23 | 9.21 | 9.20 | 9.21 | 9.23 | 9.23 | 9.22 | 9.23 | 9.39 | 9.23 | 9.22 | 9.23 | 9.23 | 9.21 | 9.20 |
| 170 | 10.0 | 9.88 | 9.88 | 9.88 | 9.89 | 9.87 | 9.86 | 9.87 | 9.89 | 9.88 | 9.88 | 9.88 | 10.0 | 9.88 | 9.88 | 9.88 | 9.89 | 9.87 | 9.86 |
| 175 | 10.5 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.5 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 180 | 10.8 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.8 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: ×10cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 1481 | 1482 | 1482 | 1483 | 1484 | | | | | | | | | | | | | | |
| 5 | 1529 | 1529 | 1529 | 1533 | 1538 | | | | | | | | | | | | | | |
| 10 | 1565 | 1557 | 1560 | 1576 | 1598 | | | | | | | | | | | | | | |
| 15 | 1528 | 1506 | 1504 | 1509 | 1513 | | | | | | | | | | | | | | |
| 20 | 1486 | 1460 | 1457 | 1468 | 1454 | | | | | | | | | | | | | | |
| 25 | 1334 | 1307 | 1311 | 1337 | 1337 | | | | | | | | | | | | | | |
| 30 | 1008 | 1026 | 1017 | 1022 | 995 | | | | | | | | | | | | | | |
| 35 | 744 | 701 | 699 | 720 | 713 | | | | | | | | | | | | | | |
| 40 | 405 | 396 | 426 | 436 | 391 | | | | | | | | | | | | | | |
| 45 | 215 | 214 | 220 | 228 | 214 | | | | | | | | | | | | | | |
| 50 | 106 | 106 | 107 | 110 | 107 | | | | | | | | | | | | | | |
| 55 | 39.1 | 42.9 | 40.2 | 42.4 | 38.9 | | | | | | | | | | | | | | |
| 60 | 16.5 | 17.0 | 16.6 | 16.3 | 16.2 | | | | | | | | | | | | | | |
| 65 | 9.08 | 9.30 | 9.09 | 9.09 | 9.07 | | | | | | | | | | | | | | |
| 70 | 5.90 | 5.96 | 5.92 | 5.95 | 5.93 | | | | | | | | | | | | | | |
| 75 | 4.06 | 4.10 | 4.09 | 4.12 | 4.08 | | | | | | | | | | | | | | |
| 80 | 2.45 | 2.50 | 2.46 | 2.49 | 2.49 | | | | | | | | | | | | | | |
| 85 | 0.94 | 0.92 | 0.88 | 0.92 | 0.89 | | | | | | | | | | | | | | |
| 90 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | | | | | | | | | | | | | | |
| 95 | 0.16 | 0.16 | 0.17 | 0.17 | 0.17 | | | | | | | | | | | | | | |
| 100 | 0.30 | 0.29 | 0.30 | 0.31 | 0.30 | | | | | | | | | | | | | | |
| 105 | 0.56 | 0.54 | 0.55 | 0.55 | 0.54 | | | | | | | | | | | | | | |
| 110 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 | | | | | | | | | | | | | | |
| 115 | 1.39 | 1.38 | 1.38 | 1.37 | 1.37 | | | | | | | | | | | | | | |
| 120 | 1.97 | 1.96 | 1.95 | 1.94 | 1.94 | | | | | | | | | | | | | | |
| 125 | 2.61 | 2.60 | 2.59 | 2.58 | 2.58 | | | | | | | | | | | | | | |
| 130 | 3.38 | 3.37 | 3.36 | 3.36 | 3.35 | | | | | | | | | | | | | | |
| 135 | 4.23 | 4.22 | 4.22 | 4.22 | 4.21 | | | | | | | | | | | | | | |
| 140 | 5.11 | 5.10 | 5.10 | 5.10 | 5.09 | | | | | | | | | | | | | | |
| 145 | 6.03 | 6.02 | 6.03 | 6.02 | 6.02 | | | | | | | | | | | | | | |
| 150 | 6.92 | 6.92 | 6.93 | 6.93 | 6.93 | | | | | | | | | | | | | | |
| 155 | 7.71 | 7.71 | 7.71 | 7.71 | 7.72 | | | | | | | | | | | | | | |
| 160 | 8.49 | 8.50 | 8.49 | 8.49 | 8.49 | | | | | | | | | | | | | | |
| 165 | 9.21 | 9.23 | 9.23 | 9.22 | 9.23 | | | | | | | | | | | | | | |
| 170 | 9.87 | 9.89 | 9.88 | 9.88 | 9.88 | | | | | | | | | | | | | | |
| 175 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | | | | | | | | | | | | | | |
| 180 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

| G/C | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 | 105.0 | 120.0 | 135.0 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 15045 | 14841 | 14834 | 14818 | 14819 | 14807 | 14822 | 14807 | 14819 | 14818 |
| 3.0 | 15261 | 15048 | 15031 | 15014 | 15015 | 15001 | 15007 | 15001 | 15015 | 15014 |
| 6.0 | 15847 | 15587 | 15498 | 15423 | 15419 | 15419 | 15423 | 15419 | 15419 | 15423 |
| 9.0 | 16306 | 15992 | 15782 | 15620 | 15590 | 15657 | 15688 | 15657 | 15590 | 15620 |
| 12.0 | 16030 | 15729 | 15548 | 15441 | 15434 | 15539 | 15618 | 15539 | 15434 | 15441 |
| 15.0 | 15310 | 15134 | 15093 | 15041 | 15062 | 15278 | 15442 | 15278 | 15062 | 15041 |
| 18.0 | 14760 | 14742 | 14846 | 14712 | 14764 | 15008 | 15130 | 15008 | 14764 | 14712 |
| 21.0 | 14447 | 14433 | 14572 | 14438 | 14453 | 14754 | 14952 | 14754 | 14453 | 14438 |
| 24.0 | 13920 | 13830 | 13819 | 13559 | 13538 | 13858 | 14127 | 13858 | 13538 | 13559 |
| 27.0 | 12166 | 12108 | 12195 | 12052 | 12076 | 12135 | 12199 | 12135 | 12076 | 12052 |
| 30.0 | 9963 | 9948 | 10217 | 10169 | 10258 | 10078 | 10016 | 10078 | 10258 | 10169 |
| 33.0 | 8318 | 8239 | 8310 | 8219 | 8294 | 8443 | 8641 | 8443 | 8294 | 8219 |
| 36.0 | 6546 | 6471 | 6658 | 6434 | 6386 | 6838 | 7207 | 6838 | 6386 | 6434 |
| 39.0 | 4389 | 4477 | 4960 | 4839 | 4545 | 4715 | 5083 | 4715 | 4545 | 4839 |
| 42.0 | 2966 | 3040 | 3302 | 3211 | 3032 | 3059 | 3233 | 3059 | 3032 | 3211 |
| 45.0 | 2105 | 2143 | 2278 | 2202 | 2142 | 2149 | 2220 | 2149 | 2142 | 2202 |
| 48.0 | 1429 | 1430 | 1535 | 1468 | 1416 | 1432 | 1465 | 1432 | 1416 | 1468 |
| 51.0 | 942.2 | 914.4 | 914.7 | 914.0 | 922.5 | 896.0 | 862.6 | 896.0 | 922.5 | 914.0 |
| 54.0 | 519.5 | 504.9 | 520.9 | 516.7 | 519.6 | 504.3 | 489.9 | 504.3 | 519.6 | 516.7 |
| 57.0 | 279.3 | 259.7 | 264.0 | 268.3 | 282.6 | 266.9 | 264.6 | 266.9 | 282.6 | 268.3 |
| 60.0 | 169.9 | 161.6 | 162.9 | 165.9 | 170.1 | 164.6 | 162.0 | 164.6 | 170.1 | 165.9 |
| 63.0 | 115.8 | 110.9 | 111.7 | 113.0 | 110.9 | 110.9 | 111.9 | 110.9 | 113.0 | 111.0 |
| 66.0 | 85.38 | 82.36 | 82.53 | 82.88 | 84.43 | 82.66 | 81.92 | 82.66 | 84.43 | 82.88 |
| 69.0 | 64.71 | 63.49 | 64.09 | 63.59 | 63.99 | 63.64 | 63.85 | 63.64 | 63.99 | 63.59 |
| 72.0 | 51.97 | 50.78 | 51.03 | 50.79 | 51.39 | 50.79 | 50.57 | 50.79 | 51.39 | 50.79 |
| 75.0 | 40.90 | 40.83 | 41.19 | 40.88 | 41.03 | 40.59 | 40.45 | 40.59 | 41.03 | 40.88 |
| 78.0 | 30.85 | 30.76 | 31.17 | 30.86 | 31.04 | 30.54 | 30.69 | 30.54 | 31.04 | 30.86 |
| 81.0 | 22.31 | 21.77 | 21.80 | 21.55 | 21.76 | 21.39 | 21.48 | 21.39 | 21.76 | 21.55 |
| 84.0 | 12.88 | 12.92 | 13.04 | 12.92 | 12.67 | 12.64 | 13.33 | 12.64 | 12.67 | 12.92 |
| 87.0 | 3.829 | 3.777 | 3.849 | 3.969 | 4.168 | 4.027 | 4.058 | 4.027 | 4.168 | 3.969 |
| 90.0 | 0.9605 | 0.9540 | 0.9288 | 0.9374 | 0.9264 | 0.9234 | 0.8981 | 0.9234 | 0.9264 | 0.9374 |
| 93.0 | 1.333 | 1.338 | 1.326 | 1.320 | 1.279 | 1.287 | 1.273 | 1.287 | 1.279 | 1.320 |
| 96.0 | 1.868 | 1.904 | 1.908 | 1.889 | 1.822 | 1.846 | 1.856 | 1.846 | 1.822 | 1.889 |
| 99.0 | 2.607 | 2.688 | 2.735 | 2.689 | 2.581 | 2.629 | 2.652 | 2.629 | 2.581 | 2.689 |
| 102.0 | 3.669 | 3.843 | 3.944 | 3.921 | 3.795 | 3.885 | 3.947 | 3.885 | 3.795 | 3.921 |
| 105.0 | 5.338 | 5.449 | 5.509 | 5.485 | 5.444 | 5.607 | 5.686 | 5.607 | 5.444 | 5.485 |
| 108.0 | 7.362 | 7.408 | 7.423 | 7.431 | 7.449 | 7.548 | 7.581 | 7.548 | 7.449 | 7.431 |
| 111.0 | 9.658 | 9.731 | 9.773 | 9.853 | 9.880 | 9.901 | 9.883 | 9.901 | 9.880 | 9.853 |
| 114.0 | 12.57 | 12.64 | 12.65 | 12.73 | 12.78 | 12.84 | 12.82 | 12.84 | 12.78 | 12.73 |
| 117.0 | 15.96 | 15.95 | 15.94 | 15.99 | 16.04 | 16.16 | 16.14 | 16.16 | 16.04 | 15.99 |
| 120.0 | 19.47 | 19.39 | 19.42 | 19.50 | 19.60 | 19.67 | 19.69 | 19.67 | 19.50 | 19.42 |
| 123.0 | 23.18 | 23.10 | 23.12 | 23.23 | 23.36 | 23.41 | 23.46 | 23.41 | 23.36 | 23.23 |
| 126.0 | 27.35 | 27.23 | 27.37 | 27.49 | 27.55 | 27.55 | 27.59 | 27.55 | 27.49 | 27.37 |
| 129.0 | 32.05 | 31.90 | 31.90 | 32.01 | 32.07 | 32.14 | 32.15 | 32.14 | 32.07 | 32.01 |
| 132.0 | 37.09 | 36.90 | 36.96 | 37.03 | 37.06 | 37.11 | 37.10 | 37.11 | 37.06 | 37.03 |
| 135.0 | 42.29 | 42.06 | 42.16 | 42.21 | 42.23 | 42.28 | 42.28 | 42.28 | 42.23 | 42.21 |
| 138.0 | 47.63 | 47.30 | 47.42 | 47.45 | 47.47 | 47.55 | 47.57 | 47.55 | 47.47 | 47.45 |
| 141.0 | 53.18 | 52.72 | 52.80 | 52.83 | 52.85 | 52.95 | 52.95 | 52.95 | 52.85 | 52.83 |
| 144.0 | 58.95 | 58.34 | 58.35 | 58.38 | 58.38 | 58.46 | 58.44 | 58.46 | 58.38 | 58.35 |
| 147.0 | 64.73 | 63.93 | 63.91 | 63.94 | 63.90 | 63.91 | 63.87 | 63.91 | 63.90 | 63.94 |
| 150.0 | 70.27 | 69.29 | 69.27 | 69.30 | 69.23 | 69.20 | 69.16 | 69.20 | 69.23 | 69.30 |
| 153.0 | 75.25 | 74.12 | 74.08 | 74.07 | 74.01 | 73.98 | 73.97 | 73.98 | 74.01 | 74.07 |
| 156.0 | 80.06 | 78.70 | 78.62 | 78.65 | 78.68 | 78.65 | 78.68 | 78.65 | 78.68 | 78.65 |
| 159.0 | 84.66 | 83.32 | 83.28 | 83.39 | 83.45 | 83.36 | 83.34 | 83.36 | 83.45 | 83.39 |
| 162.0 | 89.39 | 88.03 | 88.00 | 88.13 | 88.19 | 87.98 | 87.90 | 87.98 | 88.19 | 88.13 |
| 165.0 | 93.86 | 92.31 | 92.24 | 92.32 | 92.31 | 92.10 | 92.01 | 92.10 | 92.31 | 92.32 |
| 168.0 | 98.04 | 96.46 | 96.38 | 96.40 | 96.48 | 96.33 | 96.22 | 96.33 | 96.48 | 96.40 |
| 171.0 | 101.3 | 99.73 | 99.79 | 99.79 | 99.91 | 99.73 | 99.61 | 99.73 | 99.91 | 99.79 |
| 174.0 | 104.3 | 102.7 | 102.6 | 102.6 | 102.7 | 102.6 | 102.6 | 102.6 | 102.7 | 102.6 |
| 177.0 | 106.4 | 104.8 | 104.7 | 104.6 | 104.6 | 104.6 | 104.7 | 104.6 | 104.6 | 104.6 |
| 180.0 | 107.6 | 105.9 | 105.9 | 105.9 | 105.8 | 105.8 | 105.9 | 105.8 | 105.8 | 105.9 |
| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
| 0.0 | 14834 | 14841 | 15045 | 14841 | 14834 | 14818 | 14819 | 14807 | 14822 | 14807 |
| 3.0 | 15031 | 15048 | 15261 | 15048 | 15031 | 15014 | 15015 | 15001 | 15007 | 15001 |
| 6.0 | 15498 | 15587 | 15847 | 15587 | 15498 | 15423 | 15419 | 15419 | 15423 | 15419 |
| 9.0 | 15782 | 15992 | 16306 | 15992 | 15782 | 15620 | 15590 | 15657 | 15688 | 15657 |
| 12.0 | 15548 | 15729 | 16030 | 15729 | 15548 | 15441 | 15434 | 15539 | 15618 | 15539 |
| 15.0 | 15093 | 15134 | 15310 | 15134 | 15093 | 15041 | 15062 | 15278 | 15442 | 15278 |
| 18.0 | 14846 | 14742 | 14760 | 14742 | 14846 | 14712 | 14764 | 15008 | 15130 | 15008 |
| 21.0 | 14572 | 14433 | 14447 | 14433 | 14572 | 14438 | 14453 | 14754 | 14952 | 14754 |
| 24.0 | 13819 | 13830 | 13920 | 13830 | 13819 | 13559 | 13538 | 13858 | 14127 | 13858 |
| 27.0 | 12195 | 12108 | 12166 | 12108 | 12195 | 12052 | 12076 | 12135 | 12199 | 12135 |
| 30.0 | 10217 | 9948 | 9963 | 9948 | 10217 | 10169 | 10258 | 10078 | 10016 | 10078 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-06-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 33.0 | 8310 | 8239 | 8318 | 8239 | 8310 | 8219 | 8294 | 8443 | 8641 | 8443 |
| 36.0 | 6658 | 6471 | 6546 | 6471 | 6658 | 6434 | 6386 | 6838 | 7207 | 6838 |
| 39.0 | 4960 | 4477 | 4389 | 4477 | 4960 | 4839 | 4545 | 4715 | 5083 | 4715 |
| 42.0 | 3302 | 3040 | 2966 | 3040 | 3302 | 3211 | 3032 | 3059 | 3233 | 3059 |
| 45.0 | 2278 | 2143 | 2105 | 2143 | 2278 | 2202 | 2142 | 2149 | 2220 | 2149 |
| 48.0 | 1535 | 1430 | 1429 | 1430 | 1535 | 1468 | 1416 | 1432 | 1465 | 1432 |
| 51.0 | 914.7 | 914.4 | 942.2 | 914.4 | 914.7 | 914.0 | 922.5 | 896.0 | 862.6 | 896.0 |
| 54.0 | 520.9 | 504.9 | 519.5 | 504.9 | 520.9 | 516.7 | 519.6 | 504.3 | 489.9 | 504.3 |
| 57.0 | 264.0 | 259.7 | 279.3 | 259.7 | 264.0 | 268.3 | 282.6 | 266.9 | 264.6 | 266.9 |
| 60.0 | 162.9 | 161.6 | 169.9 | 161.6 | 162.9 | 165.9 | 170.1 | 164.6 | 162.0 | 164.6 |
| 63.0 | 111.7 | 110.9 | 115.8 | 110.9 | 111.7 | 111.0 | 113.0 | 110.9 | 111.9 | 110.9 |
| 66.0 | 82.53 | 82.36 | 85.38 | 82.36 | 82.53 | 82.88 | 84.43 | 82.66 | 81.92 | 82.66 |
| 69.0 | 64.09 | 63.49 | 64.71 | 63.49 | 64.09 | 63.59 | 63.99 | 63.64 | 63.85 | 63.64 |
| 72.0 | 51.03 | 50.78 | 51.97 | 50.78 | 51.03 | 50.79 | 51.39 | 50.79 | 50.57 | 50.79 |
| 75.0 | 41.19 | 40.83 | 40.90 | 40.83 | 41.19 | 40.88 | 41.03 | 40.59 | 40.45 | 40.59 |
| 78.0 | 31.17 | 30.76 | 30.85 | 30.76 | 31.17 | 30.86 | 31.04 | 30.54 | 30.69 | 30.54 |
| 81.0 | 21.80 | 21.77 | 22.31 | 21.77 | 21.80 | 21.55 | 21.76 | 21.39 | 21.48 | 21.39 |
| 84.0 | 13.04 | 12.92 | 12.88 | 12.92 | 13.04 | 12.92 | 12.67 | 12.64 | 13.33 | 12.64 |
| 87.0 | 3.849 | 3.777 | 3.829 | 3.777 | 3.849 | 3.969 | 4.168 | 4.027 | 4.058 | 4.027 |
| 90.0 | 0.9288 | 0.9540 | 0.9605 | 0.9540 | 0.9288 | 0.9374 | 0.9264 | 0.9234 | 0.8981 | 0.9234 |
| 93.0 | 1.326 | 1.338 | 1.333 | 1.338 | 1.326 | 1.320 | 1.279 | 1.287 | 1.273 | 1.287 |
| 96.0 | 1.908 | 1.904 | 1.868 | 1.904 | 1.908 | 1.889 | 1.822 | 1.846 | 1.856 | 1.846 |
| 99.0 | 2.735 | 2.688 | 2.607 | 2.688 | 2.735 | 2.689 | 2.581 | 2.629 | 2.652 | 2.629 |
| 102.0 | 3.944 | 3.843 | 3.669 | 3.843 | 3.944 | 3.921 | 3.795 | 3.885 | 3.947 | 3.885 |
| 105.0 | 5.509 | 5.449 | 5.338 | 5.449 | 5.509 | 5.485 | 5.444 | 5.607 | 5.686 | 5.607 |
| 108.0 | 7.423 | 7.408 | 7.362 | 7.408 | 7.423 | 7.431 | 7.449 | 7.548 | 7.581 | 7.548 |
| 111.0 | 9.773 | 9.731 | 9.658 | 9.731 | 9.773 | 9.853 | 9.880 | 9.901 | 9.883 | 9.901 |
| 114.0 | 12.65 | 12.64 | 12.57 | 12.64 | 12.65 | 12.73 | 12.78 | 12.84 | 12.82 | 12.84 |
| 117.0 | 15.94 | 15.95 | 15.96 | 15.95 | 15.94 | 15.99 | 16.04 | 16.16 | 16.14 | 16.16 |
| 120.0 | 19.42 | 19.39 | 19.47 | 19.39 | 19.42 | 19.50 | 19.60 | 19.67 | 19.69 | 19.67 |
| 123.0 | 23.12 | 23.10 | 23.18 | 23.10 | 23.12 | 23.23 | 23.36 | 23.41 | 23.46 | 23.41 |
| 126.0 | 27.23 | 27.23 | 27.35 | 27.23 | 27.23 | 27.37 | 27.49 | 27.55 | 27.59 | 27.55 |
| 129.0 | 31.90 | 31.90 | 32.05 | 31.90 | 31.90 | 32.01 | 32.07 | 32.14 | 32.15 | 32.14 |
| 132.0 | 36.96 | 36.90 | 37.09 | 36.90 | 36.96 | 37.03 | 37.06 | 37.11 | 37.10 | 37.11 |
| 135.0 | 42.16 | 42.06 | 42.29 | 42.06 | 42.16 | 42.21 | 42.23 | 42.28 | 42.28 | 42.28 |
| 138.0 | 47.42 | 47.30 | 47.63 | 47.30 | 47.42 | 47.45 | 47.47 | 47.55 | 47.57 | 47.55 |
| 141.0 | 52.80 | 52.72 | 53.18 | 52.72 | 52.80 | 52.83 | 52.85 | 52.95 | 52.95 | 52.95 |
| 144.0 | 58.35 | 58.34 | 58.95 | 58.34 | 58.35 | 58.38 | 58.38 | 58.46 | 58.44 | 58.46 |
| 147.0 | 63.91 | 63.93 | 64.73 | 63.93 | 63.91 | 63.94 | 63.90 | 63.91 | 63.87 | 63.91 |
| 150.0 | 69.27 | 69.29 | 70.27 | 69.29 | 69.27 | 69.30 | 69.23 | 69.20 | 69.16 | 69.20 |
| 153.0 | 74.08 | 74.12 | 75.25 | 74.12 | 74.08 | 74.07 | 74.01 | 73.98 | 73.97 | 73.98 |
| 156.0 | 78.62 | 78.70 | 80.06 | 78.70 | 78.62 | 78.65 | 78.68 | 78.65 | 78.68 | 78.65 |
| 159.0 | 83.28 | 83.32 | 84.66 | 83.32 | 83.28 | 83.39 | 83.45 | 83.36 | 83.34 | 83.36 |
| 162.0 | 88.00 | 88.03 | 89.39 | 88.03 | 88.00 | 88.13 | 88.19 | 87.98 | 87.90 | 87.98 |
| 165.0 | 92.24 | 92.31 | 93.86 | 92.31 | 92.24 | 92.32 | 92.31 | 92.10 | 92.01 | 92.10 |
| 168.0 | 96.38 | 96.46 | 98.04 | 96.46 | 96.38 | 96.40 | 96.48 | 96.33 | 96.22 | 96.33 |
| 171.0 | 99.79 | 99.73 | 101.3 | 99.73 | 99.79 | 99.79 | 99.91 | 99.73 | 99.61 | 99.73 |
| 174.0 | 102.6 | 102.7 | 104.3 | 102.7 | 102.6 | 102.6 | 102.7 | 102.6 | 102.6 | 102.6 |
| 177.0 | 104.7 | 104.8 | 106.4 | 104.8 | 104.7 | 104.6 | 104.6 | 104.6 | 104.7 | 104.6 |
| 180.0 | 105.9 | 105.9 | 107.6 | 105.9 | 105.9 | 105.9 | 105.8 | 105.8 | 105.9 | 105.8 |
| G/C | 300.0 | 315.0 | 330.0 | 345.0 | | | | | | |
| 0.0 | 14819 | 14818 | 14834 | 14841 | | | | | | |
| 3.0 | 15015 | 15014 | 15031 | 15048 | | | | | | |
| 6.0 | 15419 | 15423 | 15498 | 15587 | | | | | | |
| 9.0 | 15590 | 15620 | 15782 | 15992 | | | | | | |
| 12.0 | 15434 | 15441 | 15548 | 15729 | | | | | | |
| 15.0 | 15062 | 15041 | 15093 | 15134 | | | | | | |
| 18.0 | 14764 | 14712 | 14846 | 14742 | | | | | | |
| 21.0 | 14453 | 14438 | 14572 | 14433 | | | | | | |
| 24.0 | 13538 | 13559 | 13819 | 13830 | | | | | | |
| 27.0 | 12076 | 12052 | 12195 | 12108 | | | | | | |
| 30.0 | 10258 | 10169 | 10217 | 9948 | | | | | | |
| 33.0 | 8294 | 8219 | 8310 | 8239 | | | | | | |
| 36.0 | 6386 | 6434 | 6658 | 6471 | | | | | | |
| 39.0 | 4545 | 4839 | 4960 | 4477 | | | | | | |
| 42.0 | 3032 | 3211 | 3302 | 3040 | | | | | | |
| 45.0 | 2142 | 2202 | 2278 | 2143 | | | | | | |
| 48.0 | 1416 | 1468 | 1535 | 1430 | | | | | | |
| 51.0 | 922.5 | 914.0 | 914.7 | 914.4 | | | | | | |
| 54.0 | 519.6 | 516.7 | 520.9 | 504.9 | | | | | | |
| 57.0 | 282.6 | 268.3 | 264.0 | 259.7 | | | | | | |
| 60.0 | 170.1 | 165.9 | 162.9 | 161.6 | | | | | | |
| 63.0 | 113.0 | 111.0 | 110.9 | 110.9 | | | | | | |
| 66.0 | 84.43 | 82.88 | 82.53 | 82.36 | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

| | | | | |
|-------|--------|--------|--------|--------|
| 69.0 | 63.99 | 63.59 | 64.09 | 63.49 |
| 72.0 | 51.39 | 50.79 | 51.03 | 50.78 |
| 75.0 | 41.03 | 40.88 | 41.19 | 40.83 |
| 78.0 | 31.04 | 30.86 | 31.17 | 30.76 |
| 81.0 | 21.76 | 21.55 | 21.80 | 21.77 |
| 84.0 | 12.67 | 12.92 | 13.04 | 12.92 |
| 87.0 | 4.168 | 3.969 | 3.849 | 3.777 |
| 90.0 | 0.9264 | 0.9374 | 0.9288 | 0.9540 |
| 93.0 | 1.279 | 1.320 | 1.326 | 1.338 |
| 96.0 | 1.822 | 1.889 | 1.908 | 1.904 |
| 99.0 | 2.581 | 2.689 | 2.735 | 2.688 |
| 102.0 | 3.795 | 3.921 | 3.944 | 3.843 |
| 105.0 | 5.444 | 5.485 | 5.509 | 5.449 |
| 108.0 | 7.449 | 7.431 | 7.423 | 7.408 |
| 111.0 | 9.880 | 9.853 | 9.773 | 9.731 |
| 114.0 | 12.78 | 12.73 | 12.65 | 12.64 |
| 117.0 | 16.04 | 15.99 | 15.94 | 15.95 |
| 120.0 | 19.60 | 19.50 | 19.42 | 19.39 |
| 123.0 | 23.36 | 23.23 | 23.12 | 23.10 |
| 126.0 | 27.49 | 27.37 | 27.23 | 27.23 |
| 129.0 | 32.07 | 32.01 | 31.90 | 31.90 |
| 132.0 | 37.06 | 37.03 | 36.96 | 36.90 |
| 135.0 | 42.23 | 42.21 | 42.16 | 42.06 |
| 138.0 | 47.47 | 47.45 | 47.42 | 47.30 |
| 141.0 | 52.85 | 52.83 | 52.80 | 52.72 |
| 144.0 | 58.38 | 58.38 | 58.35 | 58.34 |
| 147.0 | 63.90 | 63.94 | 63.91 | 63.93 |
| 150.0 | 69.23 | 69.30 | 69.27 | 69.29 |
| 153.0 | 74.01 | 74.07 | 74.08 | 74.12 |
| 156.0 | 78.68 | 78.65 | 78.62 | 78.70 |
| 159.0 | 83.45 | 83.39 | 83.28 | 83.32 |
| 162.0 | 88.19 | 88.13 | 88.00 | 88.03 |
| 165.0 | 92.31 | 92.32 | 92.24 | 92.31 |
| 168.0 | 96.48 | 96.40 | 96.38 | 96.46 |
| 171.0 | 99.91 | 99.79 | 99.79 | 99.73 |
| 174.0 | 102.7 | 102.6 | 102.6 | 102.7 |
| 177.0 | 104.6 | 104.6 | 104.7 | 104.8 |
| 180.0 | 105.8 | 105.9 | 105.9 | 105.9 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-06-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks: