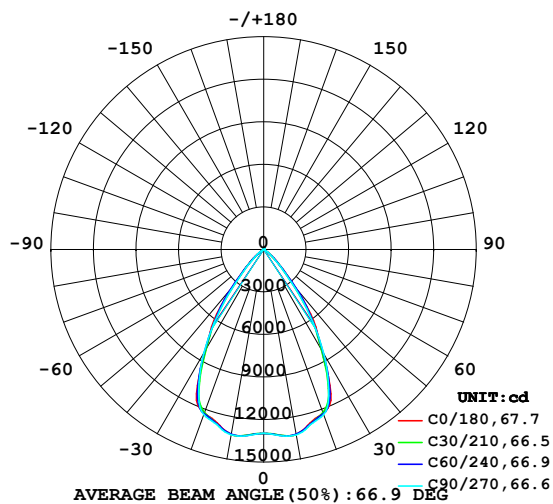


LUMINAIRE PHOTOMETRIC TEST REPORT

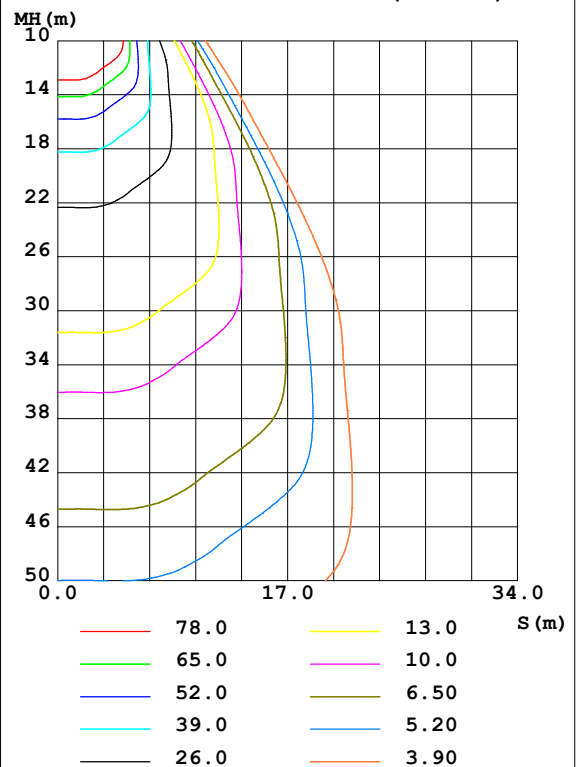
| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.4526A P:101.0W PF:0.9690 Freq:49.99Hz Lamp Flux:15249.7x1 lm | | |
| NAME: H29APC-10-R280-70-40H-2523030R8 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 150.95 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 13288 | S/MH (C0/180) | 1.01 |
| NOMINAL POWER(W) | 100 | LOR(%) | 100.0 | S/MH (C90/270) | 0.98 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 15250 | η UP,DN(C0-180) | 0.5,49.5 |
| NOMINAL FLUX(lm) | 15249.7 | 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 | 1.00 |

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: 2020-07-06

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 | 1324 | 1323 | 1327 | 1323 | 1324 | 1323 | 1327 | 1323 | 0- 10 | 1260 | 1260 | 8.26, 8.26 |
| 20 | 1226 | 1235 | 1239 | 1235 | 1226 | 1235 | 1239 | 1235 | 10- 20 | 3605 | 4865 | 31.9, 31.9 |
| 30 | 823.8 | 841.9 | 844.7 | 841.9 | 823.8 | 841.9 | 844.7 | 841.9 | 20- 30 | 4913 | 9777 | 64.1, 64.1 |
| 40 | 335.1 | 328.8 | 310.6 | 328.8 | 335.1 | 328.8 | 310.6 | 328.8 | 30- 40 | 3603 | 13380 | 87.7, 87.7 |
| 50 | 84.38 | 80.46 | 75.45 | 80.46 | 84.38 | 80.46 | 75.45 | 80.46 | 40- 50 | 1356 | 14736 | 96.6, 96.6 |
| 60 | 10.00 | 9.764 | 9.992 | 9.764 | 10.00 | 9.764 | 9.992 | 9.764 | 50- 60 | 289.9 | 15026 | 98.5, 98.5 |
| 70 | 2.669 | 2.643 | 2.626 | 2.643 | 2.669 | 2.643 | 2.626 | 2.643 | 60- 70 | 50.82 | 15077 | 98.9, 98.9 |
| 80 | 0.7370 | 0.7161 | 0.6970 | 0.7161 | 0.7370 | 0.7161 | 0.6970 | 0.7161 | 70- 80 | 17.10 | 15094 | 99, 99 |
| 90 | 0.0693 | 0.0660 | 0.0642 | 0.0660 | 0.0693 | 0.0660 | 0.0642 | 0.0660 | 80- 90 | 2.237 | 15096 | 99, 99 |
| 100 | 0.2395 | 0.2284 | 0.2150 | 0.2284 | 0.2395 | 0.2284 | 0.2150 | 0.2284 | 90-100 | 1.402 | 15098 | 99, 99 |
| 110 | 0.7175 | 0.7076 | 0.7062 | 0.7076 | 0.7175 | 0.7076 | 0.7062 | 0.7076 | 100-110 | 4.640 | 15102 | 99, 99 |
| 120 | 1.575 | 1.570 | 1.572 | 1.570 | 1.575 | 1.570 | 1.572 | 1.570 | 110-120 | 10.97 | 15113 | 99.1, 99.1 |
| 130 | 2.755 | 2.746 | 2.750 | 2.746 | 2.755 | 2.746 | 2.750 | 2.746 | 120-130 | 18.98 | 15132 | 99.2, 99.2 |
| 140 | 4.233 | 4.231 | 4.233 | 4.231 | 4.233 | 4.231 | 4.233 | 4.231 | 130-140 | 26.75 | 15159 | 99.4, 99.4 |
| 150 | 5.774 | 5.773 | 5.773 | 5.773 | 5.774 | 5.773 | 5.773 | 5.773 | 140-150 | 31.29 | 15190 | 99.6, 99.6 |
| 160 | 7.095 | 7.082 | 7.086 | 7.082 | 7.095 | 7.082 | 7.086 | 7.082 | 150-160 | 29.61 | 15220 | 99.8, 99.8 |
| 170 | 8.231 | 8.233 | 8.226 | 8.233 | 8.231 | 8.233 | 8.226 | 8.233 | 160-170 | 21.61 | 15242 | 99.9, 99.9 |
| 180 | 8.872 | 8.858 | 8.830 | 8.858 | 8.872 | 8.858 | 8.830 | 8.858 | 170-180 | 8.115 | 15250 | 100, 100 |
| DEG | LUMINOUS INTENSITY: *10cd | | | | | | | | | UNIT: lm | | |

Conical surface Flux(90deg): 14256 lm

%lum = 93.5%

%lamp = 93.5%

Conical surface Flux(120deg): 15026 lm

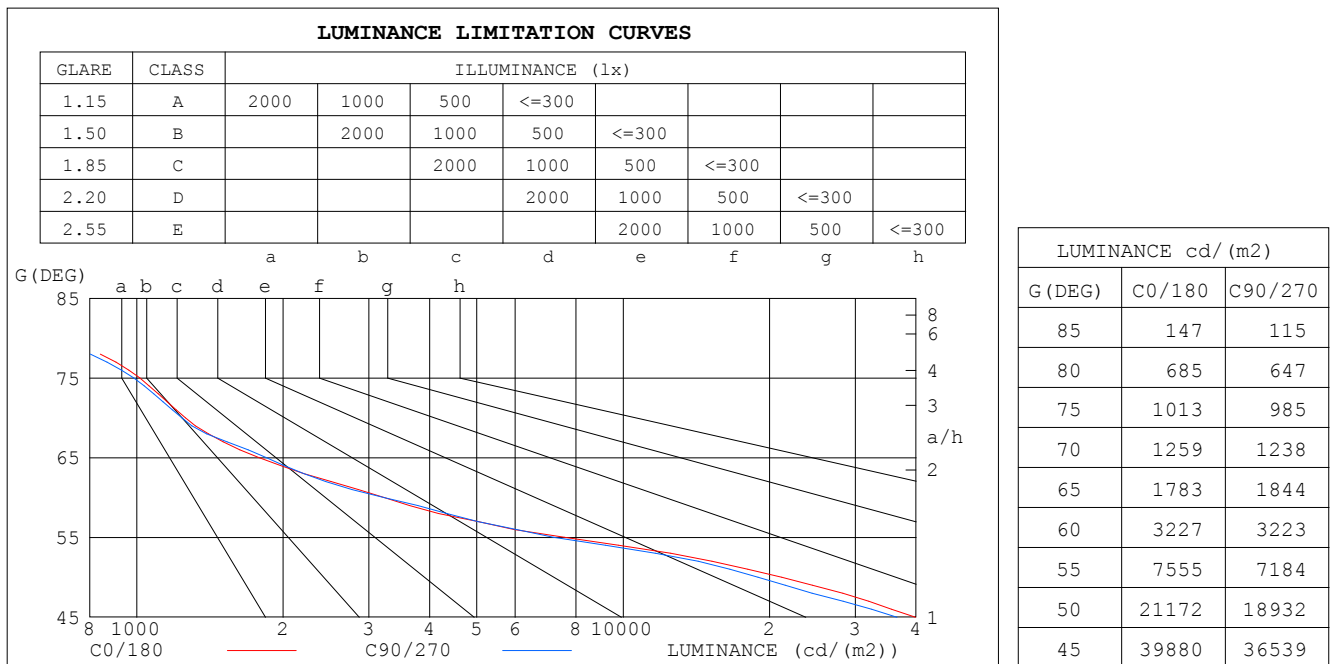
%lum = 98.5%

%lamp = 98.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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

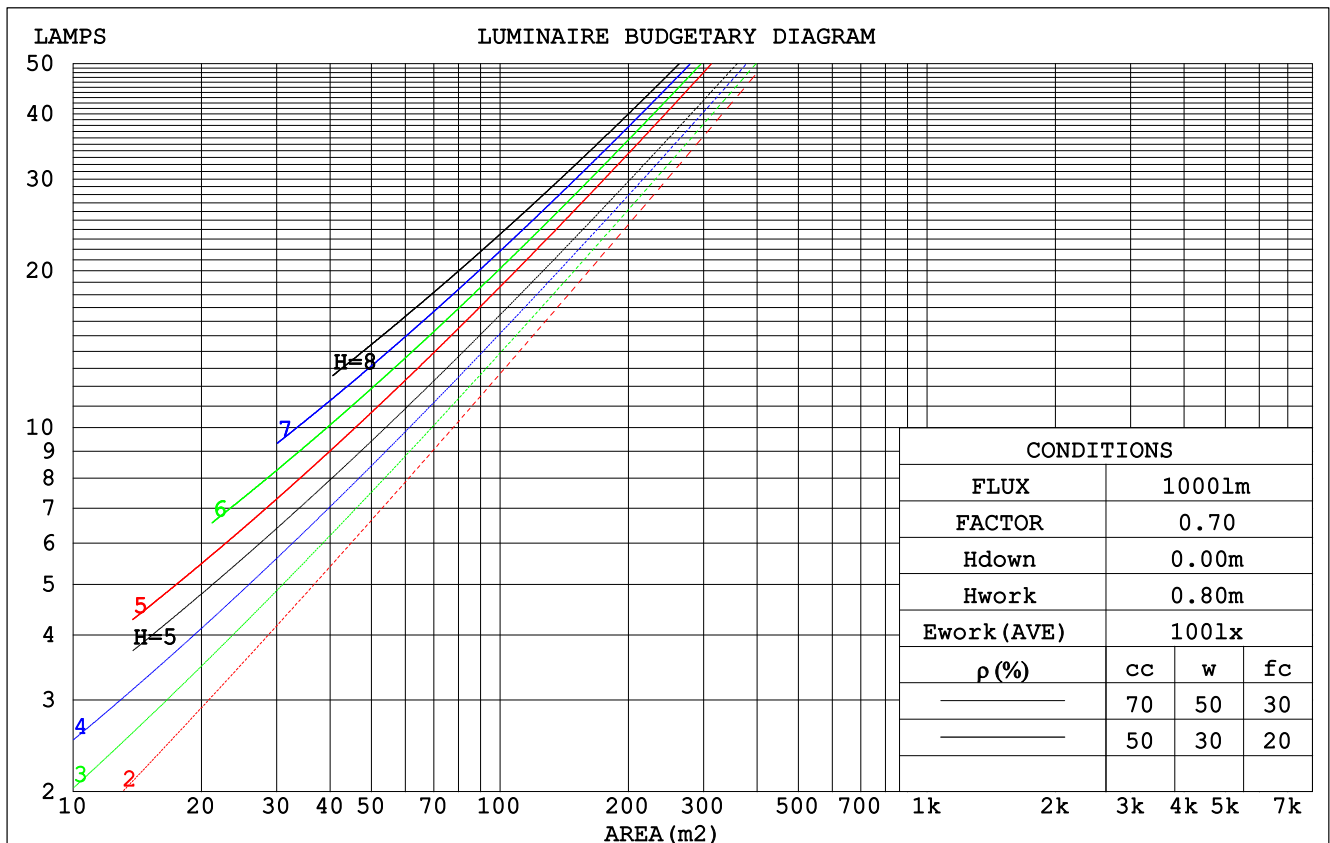


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-07-06

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 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| 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 | | | | | | 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 | 1.04 | 1.02 | 1.00 | .90 | .98 | .97 | .96 | .95 | .94 | .92 |
| 2.0 | 1.02 | .98 | .94 | 1.00 | .96 | .93 | .97 | .93 | .91 | .93 | .91 | .89 | .91 | .88 | .87 | .85 |
| 3.0 | .94 | .89 | .85 | .93 | .88 | .84 | .90 | .86 | .83 | .88 | .84 | .81 | .85 | .82 | .80 | .78 |
| 4.0 | .88 | .82 | .77 | .86 | .81 | .77 | .84 | .79 | .76 | .82 | .78 | .75 | .80 | .77 | .74 | .72 |
| 5.0 | .82 | .75 | .71 | .81 | .75 | .70 | .79 | .74 | .70 | .77 | .72 | .69 | .75 | .71 | .68 | .67 |
| 6.0 | .76 | .70 | .65 | .75 | .69 | .65 | .74 | .68 | .64 | .72 | .67 | .64 | .71 | .67 | .63 | .62 |
| 7.0 | .71 | .65 | .60 | .70 | .64 | .60 | .69 | .64 | .60 | .68 | .63 | .59 | .66 | .62 | .59 | .57 |
| 8.0 | .67 | .60 | .56 | .66 | .60 | .56 | .65 | .59 | .55 | .64 | .59 | .55 | .63 | .58 | .55 | .53 |
| 9.0 | .62 | .56 | .52 | .62 | .56 | .52 | .61 | .55 | .52 | .60 | .55 | .51 | .59 | .54 | .51 | .50 |
| 10.0 | .59 | .53 | .49 | .58 | .52 | .49 | .57 | .52 | .48 | .57 | .52 | .48 | .56 | .51 | .48 | .47 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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 | .186 | .106 | .034 | .179 | .102 | .032 | .166 | .095 | .030 | .154 | .089 | .029 | .143 | .083 | .027 | |
| 2.0 | .180 | .099 | .030 | .174 | .096 | .029 | .163 | .090 | .028 | .152 | .085 | .027 | .143 | .081 | .025 | |
| 3.0 | .172 | .092 | .027 | .167 | .089 | .027 | .157 | .085 | .026 | .148 | .081 | .025 | .140 | .078 | .024 | |
| 4.0 | .164 | .085 | .025 | .160 | .084 | .025 | .151 | .080 | .024 | .144 | .077 | .023 | .136 | .074 | .023 | |
| 5.0 | .157 | .080 | .023 | .153 | .079 | .023 | .146 | .076 | .022 | .139 | .073 | .022 | .132 | .071 | .021 | |
| 6.0 | .150 | .075 | .021 | .146 | .074 | .021 | .140 | .072 | .021 | .134 | .069 | .020 | .128 | .067 | .020 | |
| 7.0 | .143 | .071 | .020 | .140 | .070 | .020 | .134 | .068 | .020 | .129 | .066 | .019 | .124 | .064 | .019 | |
| 8.0 | .137 | .067 | .019 | .134 | .066 | .019 | .129 | .064 | .018 | .124 | .063 | .018 | .119 | .061 | .018 | |
| 9.0 | .131 | .063 | .018 | .129 | .063 | .018 | .124 | .061 | .017 | .120 | .060 | .017 | .115 | .059 | .017 | |
| 10.0 | .126 | .060 | .017 | .124 | .060 | .017 | .119 | .058 | .016 | .115 | .057 | .016 | .111 | .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 | .198 | .198 | .198 | .169 | .169 | .169 | .116 | .116 | .116 | .066 | .066 | .066 | .021 | .021 | .021 | | |
| 1.0 | .179 | .165 | .152 | .154 | .142 | .131 | .105 | .097 | .090 | .060 | .056 | .053 | .019 | .018 | .017 | | |
| 2.0 | .165 | .140 | .119 | .141 | .121 | .103 | .097 | .084 | .072 | .056 | .049 | .042 | .018 | .016 | .014 | | |
| 3.0 | .153 | .121 | .096 | .132 | .105 | .083 | .090 | .073 | .058 | .052 | .043 | .034 | .017 | .014 | .011 | | |
| 4.0 | .144 | .107 | .079 | .123 | .092 | .068 | .085 | .064 | .048 | .049 | .038 | .029 | .016 | .012 | .009 | | |
| 5.0 | .136 | .096 | .066 | .116 | .083 | .057 | .080 | .058 | .041 | .046 | .034 | .024 | .015 | .011 | .008 | | |
| 6.0 | .129 | .086 | .056 | .110 | .075 | .049 | .076 | .052 | .035 | .044 | .031 | .021 | .014 | .010 | .007 | | |
| 7.0 | .122 | .079 | .049 | .105 | .069 | .042 | .073 | .048 | .030 | .042 | .028 | .018 | .014 | .009 | .006 | | |
| 8.0 | .117 | .073 | .043 | .101 | .063 | .037 | .070 | .044 | .027 | .040 | .026 | .016 | .013 | .009 | .005 | | |
| 9.0 | .112 | .068 | .038 | .096 | .059 | .033 | .067 | .041 | .024 | .039 | .024 | .014 | .013 | .008 | .005 | | |
| 10.0 | .107 | .064 | .034 | .093 | .055 | .030 | .064 | .039 | .021 | .037 | .023 | .013 | .012 | .008 | .004 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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 | 11.6 | 12.6 | 11.8 | 12.8 | 13.0 | 11.6 | 12.6 | 11.8 | 12.8 | 13.0 |
| 3H | 11.4 | 12.4 | 11.7 | 12.6 | 12.8 | 11.4 | 12.3 | 11.7 | 12.6 | 12.8 |
| 4H | 11.3 | 12.2 | 11.6 | 12.5 | 12.7 | 11.3 | 12.2 | 11.6 | 12.4 | 12.7 |
| 6H | 11.2 | 12.1 | 11.6 | 12.3 | 12.6 | 11.2 | 12.0 | 11.5 | 12.3 | 12.6 |
| 8H | 11.2 | 12.0 | 11.5 | 12.3 | 12.5 | 11.2 | 12.0 | 11.5 | 12.2 | 12.5 |
| 12H | 11.2 | 11.9 | 11.5 | 12.2 | 12.5 | 11.1 | 11.9 | 11.5 | 12.2 | 12.5 |
| 4H 2H | 11.3 | 12.2 | 11.6 | 12.5 | 12.7 | 11.3 | 12.2 | 11.6 | 12.4 | 12.7 |
| 3H | 11.2 | 11.9 | 11.5 | 12.2 | 12.5 | 11.2 | 11.9 | 11.5 | 12.2 | 12.5 |
| 4H | 11.1 | 11.8 | 11.4 | 12.1 | 12.4 | 11.1 | 11.7 | 11.4 | 12.1 | 12.4 |
| 6H | 11.0 | 11.6 | 11.4 | 11.9 | 12.3 | 11.0 | 11.6 | 11.4 | 11.9 | 12.3 |
| 8H | 10.9 | 11.5 | 11.3 | 11.8 | 12.2 | 10.9 | 11.5 | 11.3 | 11.8 | 12.2 |
| 12H | 10.9 | 11.4 | 11.3 | 11.8 | 12.2 | 10.9 | 11.4 | 11.3 | 11.8 | 12.2 |
| 8H 4H | 10.9 | 11.5 | 11.3 | 11.8 | 12.2 | 10.9 | 11.5 | 11.3 | 11.8 | 12.2 |
| 6H | 10.8 | 11.3 | 11.3 | 11.7 | 12.1 | 10.8 | 11.3 | 11.3 | 11.7 | 12.1 |
| 8H | 10.8 | 11.2 | 11.2 | 11.6 | 12.1 | 10.8 | 11.2 | 11.2 | 11.6 | 12.1 |
| 12H | 10.7 | 11.1 | 11.2 | 11.5 | 12.0 | 10.7 | 11.0 | 11.2 | 11.5 | 12.0 |
| 12H 4H | 10.9 | 11.4 | 11.3 | 11.8 | 12.2 | 10.9 | 11.4 | 11.3 | 11.8 | 12.2 |
| 6H | 10.8 | 11.2 | 11.2 | 11.6 | 12.1 | 10.8 | 11.2 | 11.2 | 11.6 | 12.1 |
| 8H | 10.7 | 11.1 | 11.2 | 11.5 | 12.0 | 10.7 | 11.0 | 11.2 | 11.5 | 12.0 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 3.3 / -12.2 | | | | | + 2.8 / -12.4 | | | | |
| 1.5H | + 5.0 / - 9.5 | | | | | + 4.5 / - 9.5 | | | | |
| 2.0H | + 6.4 / -10.8 | | | | | + 6.1 / -10.7 | | | | |

CIE Pub.117, 15250 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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:

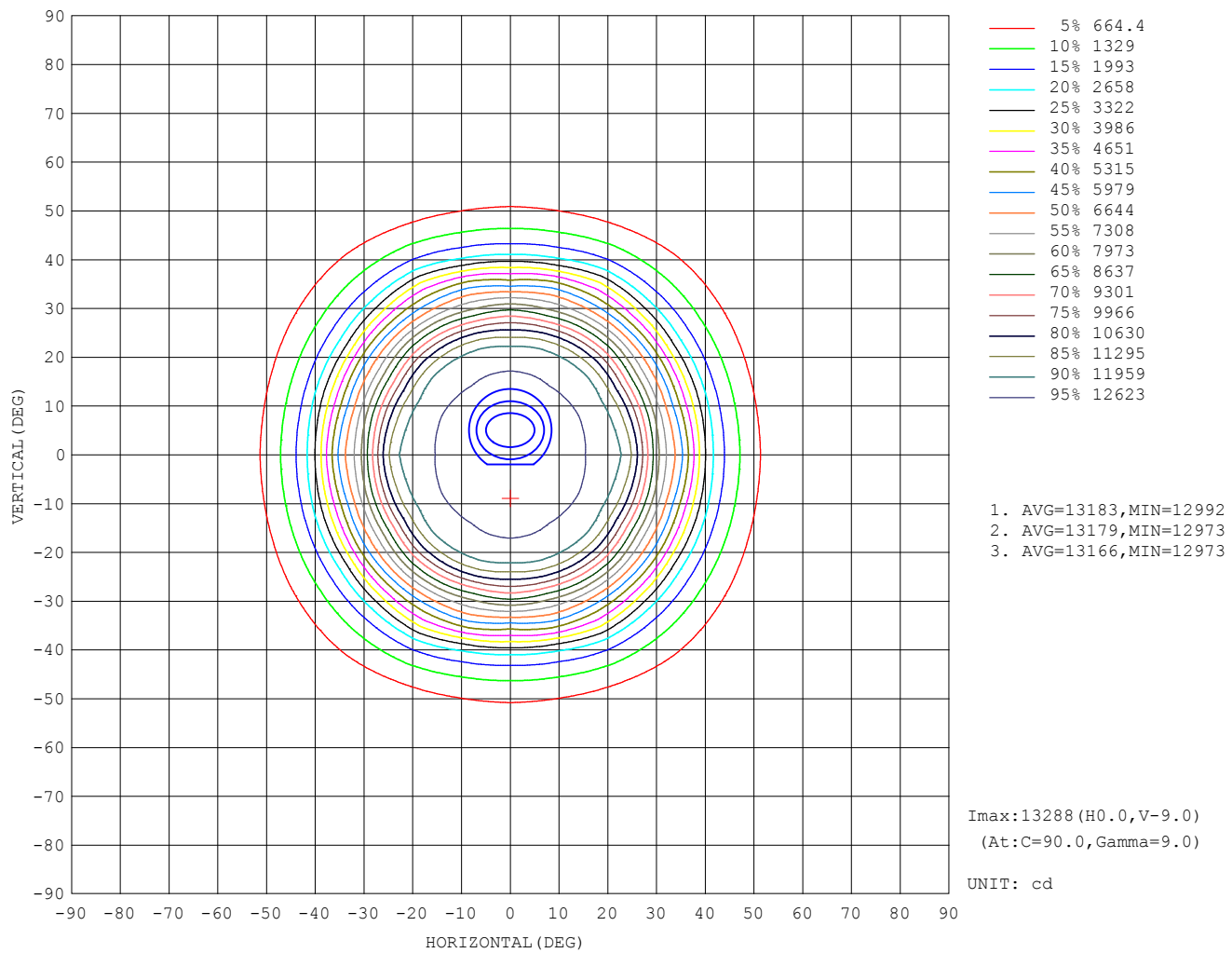
UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 84 | 77 | 73 | 83 | 77 | 73 | 82 | 76 | 72 | 69 |
| 0.80 | 92 | 85 | 81 | 91 | 85 | 81 | 90 | 84 | 81 | 77 |
| 1.00 | 97 | 91 | 87 | 96 | 90 | 87 | 94 | 90 | 86 | 82 |
| 1.25 | 101 | 96 | 92 | 100 | 95 | 92 | 98 | 94 | 91 | 86 |
| 1.50 | 104 | 99 | 96 | 103 | 98 | 95 | 101 | 97 | 94 | 89 |
| 2.00 | 107 | 103 | 100 | 106 | 102 | 99 | 103 | 100 | 97 | 92 |
| 2.50 | 109 | 105 | 102 | 108 | 104 | 101 | 104 | 101 | 99 | 93 |
| 3.00 | 111 | 107 | 104 | 109 | 106 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 108 | 111 | 108 | 106 | 107 | 105 | 103 | 96 |
| 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: 2020-07-06

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:

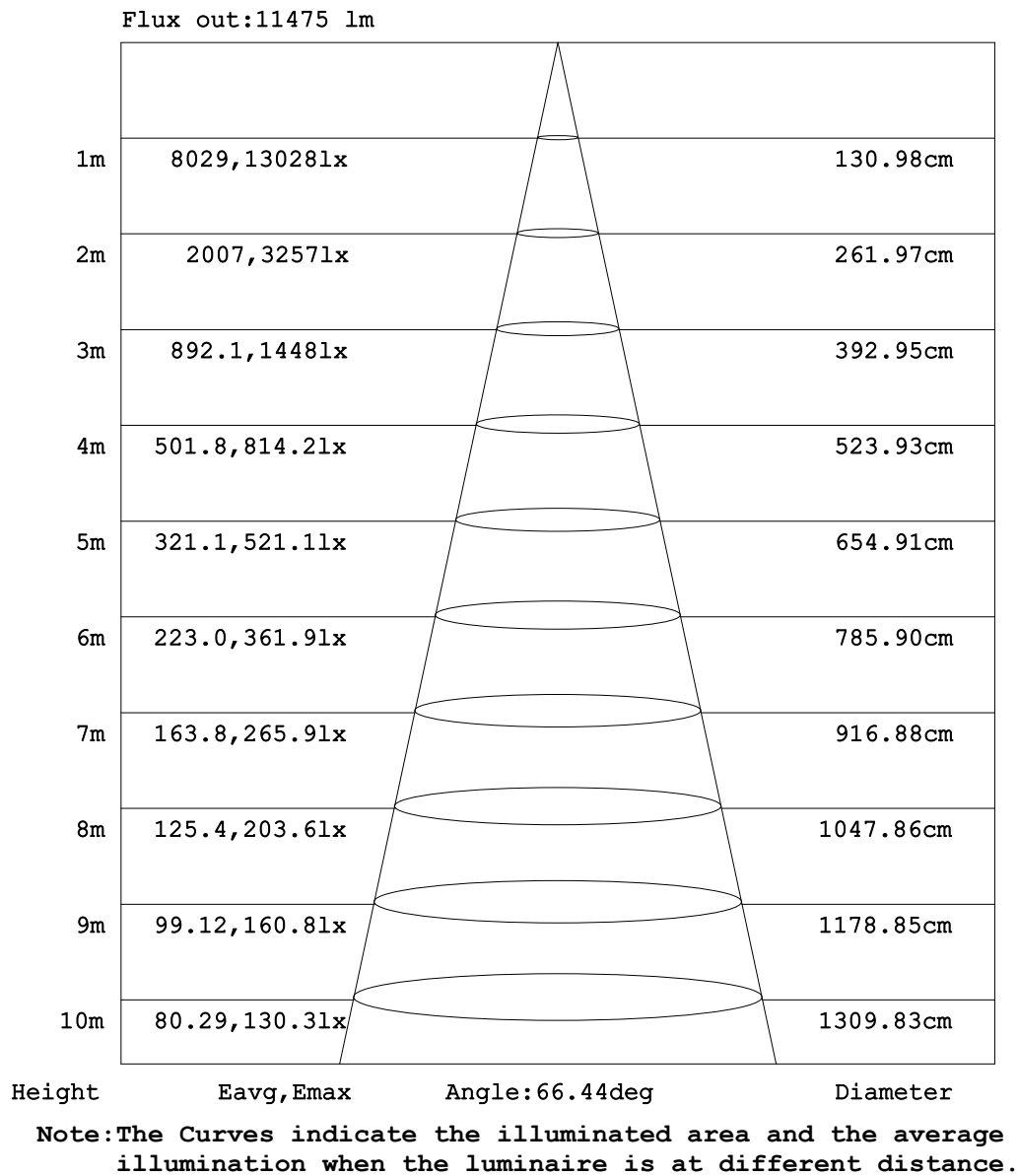
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-07-06

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:

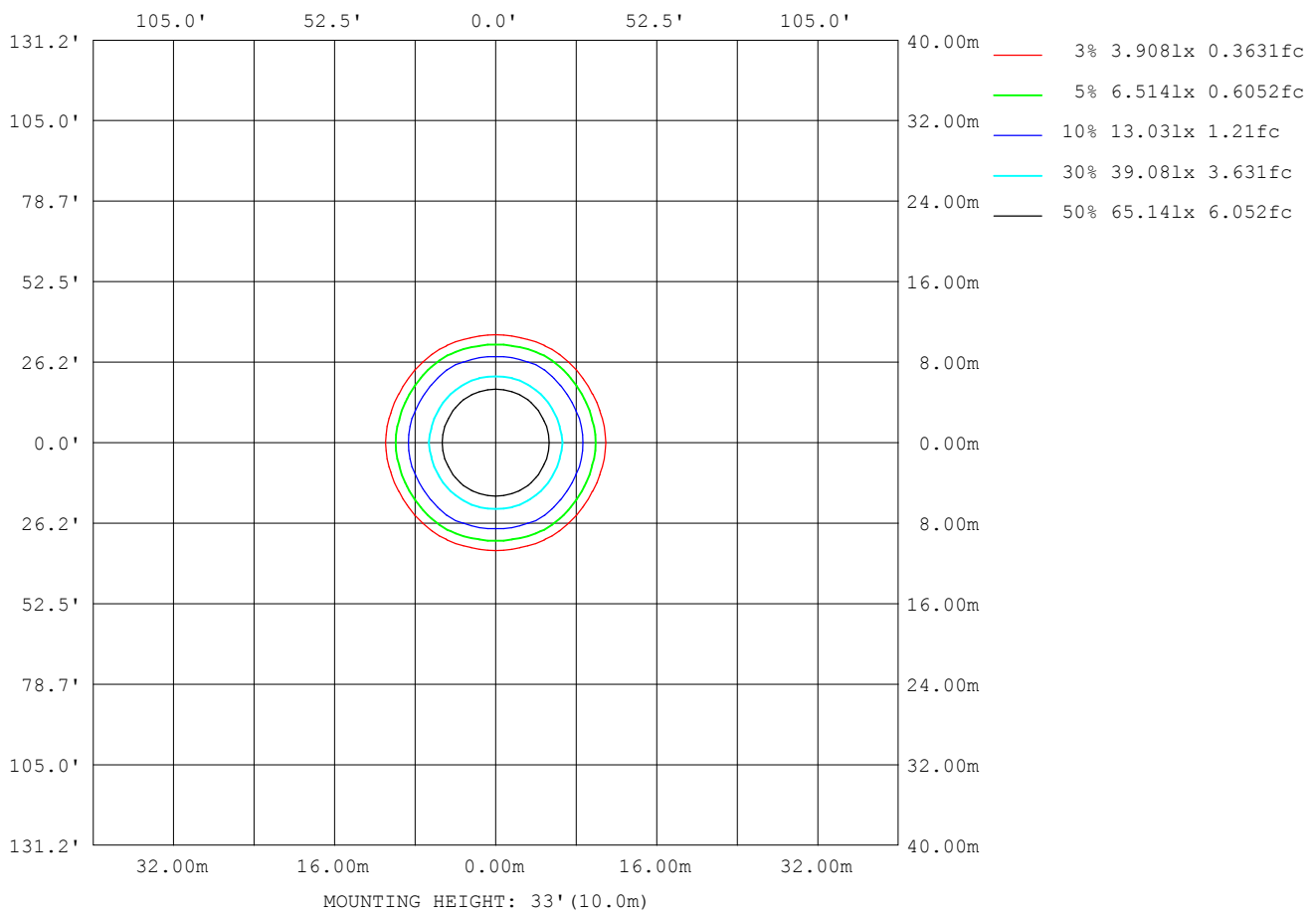
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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: 2020-07-06

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:230.4V I:0.4526A P:101.0W PF:0.9690 Freq:49.99Hz Lamp Flux:15249.7x1 lm | | |
| NAME: H29APC-10-R280-70-40H-2523030R8 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

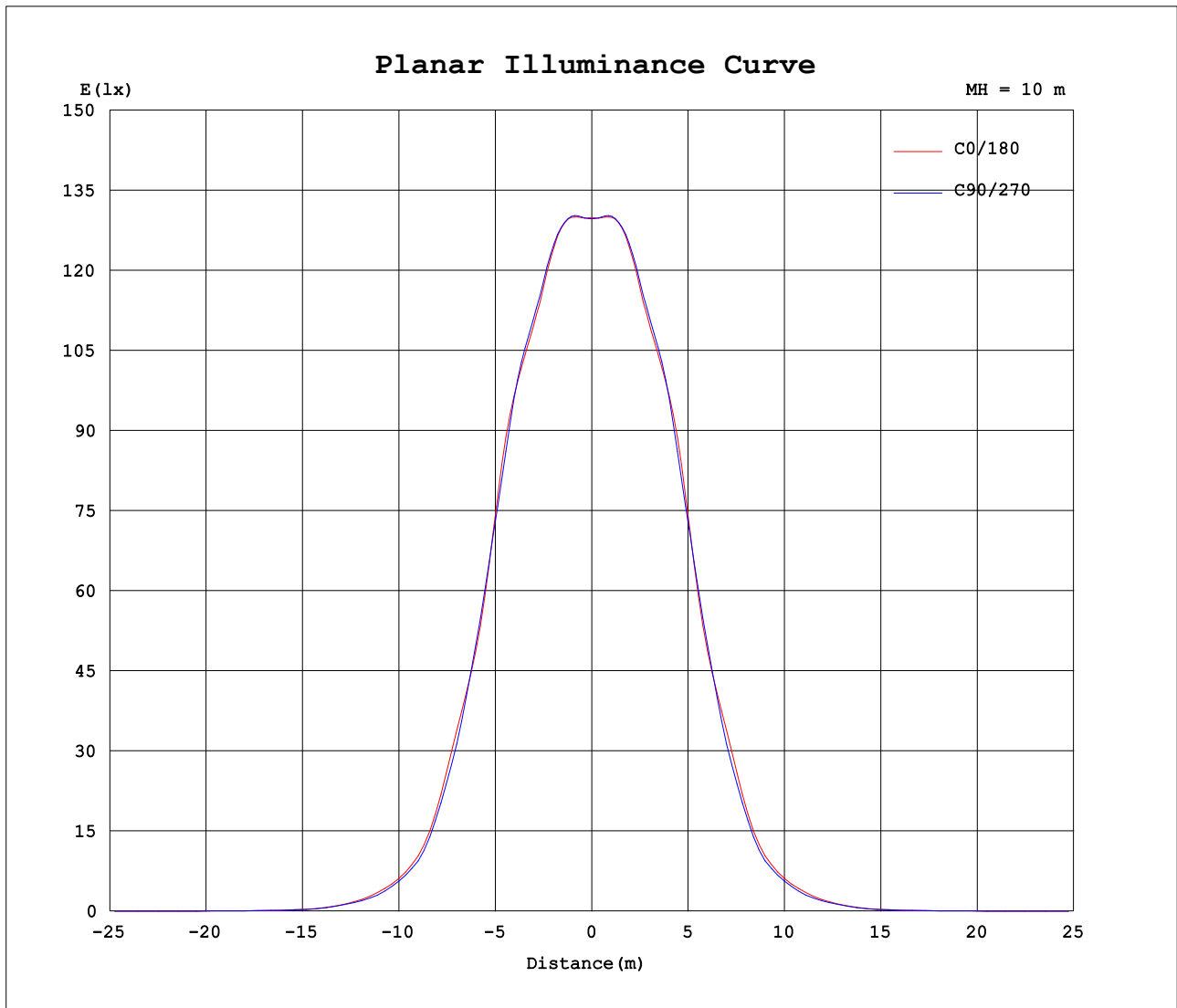
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 1783 |
| L_0~180 (75) av | 1013 |
| L_0~180 (85) av | 147 |
| L_90~270 (65) av | 1844 |
| L_90~270 (75) av | 985 |
| L_90~270 (85) av | 115 |
| L_45 (65) av | 1798 |
| L_45 (75) av | 1001 |
| L_45 (85) av | 136 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-07-06

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: 2020-07-06

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 | 1299 | 1297 | 1297 | 1297 | 1297 | 1296 | 1297 | 1296 | 1297 | 1297 | 1297 | 1297 | 1299 | 1297 | 1297 | 1297 | 1297 | 1296 | 1297 |
| 5 | 1315 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1317 | 1316 | 1315 | 1314 | 1313 | 1315 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 |
| 10 | 1324 | 1323 | 1325 | 1323 | 1322 | 1325 | 1327 | 1325 | 1322 | 1323 | 1325 | 1323 | 1324 | 1323 | 1325 | 1323 | 1322 | 1325 | 1327 |
| 15 | 1266 | 1271 | 1276 | 1272 | 1273 | 1282 | 1280 | 1282 | 1273 | 1272 | 1276 | 1271 | 1266 | 1271 | 1276 | 1272 | 1273 | 1282 | 1280 |
| 20 | 1226 | 1223 | 1223 | 1235 | 1233 | 1238 | 1239 | 1238 | 1233 | 1235 | 1223 | 1223 | 1226 | 1223 | 1223 | 1235 | 1233 | 1238 | 1239 |
| 25 | 1124 | 1097 | 1082 | 1102 | 1107 | 1101 | 1087 | 1101 | 1107 | 1102 | 1082 | 1097 | 1124 | 1097 | 1082 | 1102 | 1107 | 1101 | 1087 |
| 30 | 824 | 825 | 816 | 842 | 842 | 830 | 845 | 830 | 842 | 842 | 816 | 825 | 824 | 825 | 816 | 842 | 842 | 830 | 845 |
| 35 | 617 | 581 | 583 | 578 | 589 | 603 | 570 | 603 | 589 | 578 | 583 | 581 | 617 | 581 | 583 | 578 | 589 | 603 | 570 |
| 40 | 335 | 332 | 317 | 329 | 357 | 320 | 311 | 320 | 357 | 329 | 317 | 332 | 335 | 332 | 317 | 329 | 357 | 320 | 311 |
| 45 | 175 | 171 | 166 | 169 | 173 | 163 | 160 | 163 | 173 | 169 | 166 | 171 | 175 | 171 | 166 | 169 | 173 | 163 | 160 |
| 50 | 84.4 | 80.0 | 77.9 | 80.5 | 76.7 | 74.1 | 75.4 | 74.1 | 76.7 | 80.5 | 77.9 | 80.0 | 84.4 | 80.0 | 77.9 | 80.5 | 76.7 | 74.1 | 75.4 |
| 55 | 26.9 | 25.6 | 26.0 | 25.2 | 26.2 | 24.7 | 25.5 | 24.7 | 26.2 | 25.2 | 26.0 | 25.6 | 26.9 | 25.6 | 26.0 | 25.2 | 26.2 | 24.7 | 25.5 |
| 60 | 10.0 | 9.76 | 10.1 | 9.76 | 9.70 | 9.47 | 9.99 | 9.47 | 9.70 | 9.76 | 10.1 | 9.76 | 10.0 | 9.76 | 10.1 | 9.76 | 9.70 | 9.47 | 9.99 |
| 65 | 4.67 | 4.71 | 4.88 | 4.71 | 4.57 | 4.65 | 4.83 | 4.65 | 4.57 | 4.71 | 4.88 | 4.71 | 4.67 | 4.71 | 4.88 | 4.71 | 4.57 | 4.65 | 4.83 |
| 70 | 2.67 | 2.66 | 2.68 | 2.64 | 2.61 | 2.59 | 2.63 | 2.59 | 2.61 | 2.64 | 2.68 | 2.66 | 2.67 | 2.66 | 2.68 | 2.64 | 2.61 | 2.59 | 2.63 |
| 75 | 1.63 | 1.62 | 1.63 | 1.61 | 1.57 | 1.57 | 1.58 | 1.57 | 1.57 | 1.61 | 1.63 | 1.62 | 1.63 | 1.62 | 1.63 | 1.61 | 1.57 | 1.57 | 1.58 |
| 80 | 0.74 | 0.73 | 0.73 | 0.72 | 0.71 | 0.70 | 0.70 | 0.70 | 0.71 | 0.72 | 0.73 | 0.73 | 0.74 | 0.73 | 0.73 | 0.72 | 0.71 | 0.70 | 0.70 |
| 85 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.06 | 0.06 |
| 90 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 |
| 95 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 100 | 0.24 | 0.23 | 0.22 | 0.23 | 0.23 | 0.22 | 0.21 | 0.22 | 0.23 | 0.23 | 0.22 | 0.23 | 0.24 | 0.23 | 0.22 | 0.23 | 0.23 | 0.22 | 0.21 |
| 105 | 0.45 | 0.43 | 0.42 | 0.43 | 0.43 | 0.43 | 0.42 | 0.43 | 0.43 | 0.43 | 0.42 | 0.43 | 0.45 | 0.43 | 0.42 | 0.43 | 0.43 | 0.43 | 0.42 |
| 110 | 0.72 | 0.71 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.70 | 0.71 | 0.72 | 0.71 | 0.70 | 0.71 | 0.71 | 0.71 | 0.71 |
| 115 | 1.11 | 1.10 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.10 | 1.09 | 1.10 | 1.11 | 1.10 | 1.09 | 1.10 | 1.09 | 1.09 | 1.09 |
| 120 | 1.58 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.58 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 |
| 125 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 |
| 130 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 |
| 135 | 3.48 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.48 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 |
| 140 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 |
| 145 | 5.01 | 5.02 | 5.02 | 5.01 | 5.01 | 5.02 | 5.03 | 5.02 | 5.01 | 5.01 | 5.02 | 5.02 | 5.01 | 5.02 | 5.02 | 5.01 | 5.01 | 5.02 | 5.03 |
| 150 | 5.77 | 5.78 | 5.78 | 5.77 | 5.77 | 5.77 | 5.77 | 5.77 | 5.77 | 5.77 | 5.78 | 5.78 | 5.77 | 5.78 | 5.78 | 5.77 | 5.77 | 5.77 | 5.77 |
| 155 | 6.45 | 6.45 | 6.45 | 6.44 | 6.43 | 6.43 | 6.44 | 6.43 | 6.43 | 6.44 | 6.45 | 6.45 | 6.45 | 6.45 | 6.45 | 6.44 | 6.43 | 6.43 | 6.44 |
| 160 | 7.10 | 7.09 | 7.10 | 7.08 | 7.08 | 7.08 | 7.09 | 7.08 | 7.08 | 7.08 | 7.10 | 7.09 | 7.10 | 7.09 | 7.10 | 7.08 | 7.08 | 7.08 | 7.09 |
| 165 | 7.70 | 7.70 | 7.70 | 7.69 | 7.69 | 7.68 | 7.68 | 7.68 | 7.69 | 7.69 | 7.70 | 7.70 | 7.70 | 7.70 | 7.70 | 7.69 | 7.69 | 7.68 | 7.68 |
| 170 | 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 | 8.23 |
| 175 | 8.66 | 8.65 | 8.64 | 8.65 | 8.65 | 8.64 | 8.63 | 8.64 | 8.65 | 8.65 | 8.64 | 8.65 | 8.66 | 8.65 | 8.64 | 8.65 | 8.65 | 8.64 | 8.63 |
| 180 | 8.87 | 8.85 | 8.84 | 8.86 | 8.88 | 8.85 | 8.83 | 8.85 | 8.88 | 8.86 | 8.84 | 8.85 | 8.87 | 8.85 | 8.84 | 8.86 | 8.88 | 8.85 | 8.83 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-07-06

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 | 1296 | 1297 | 1297 | 1297 | 1297 | | | | | | | | | | | | | | |
| 5 | 1317 | 1316 | 1315 | 1314 | 1313 | | | | | | | | | | | | | | |
| 10 | 1325 | 1322 | 1323 | 1325 | 1323 | | | | | | | | | | | | | | |
| 15 | 1282 | 1273 | 1272 | 1276 | 1271 | | | | | | | | | | | | | | |
| 20 | 1238 | 1233 | 1235 | 1223 | 1223 | | | | | | | | | | | | | | |
| 25 | 1101 | 1107 | 1102 | 1082 | 1097 | | | | | | | | | | | | | | |
| 30 | 830 | 842 | 842 | 816 | 825 | | | | | | | | | | | | | | |
| 35 | 603 | 589 | 578 | 583 | 581 | | | | | | | | | | | | | | |
| 40 | 320 | 357 | 329 | 317 | 332 | | | | | | | | | | | | | | |
| 45 | 163 | 173 | 169 | 166 | 171 | | | | | | | | | | | | | | |
| 50 | 74.1 | 76.7 | 80.5 | 77.9 | 80.0 | | | | | | | | | | | | | | |
| 55 | 24.7 | 26.2 | 25.2 | 26.0 | 25.6 | | | | | | | | | | | | | | |
| 60 | 9.47 | 9.70 | 9.76 | 10.1 | 9.76 | | | | | | | | | | | | | | |
| 65 | 4.65 | 4.57 | 4.71 | 4.88 | 4.71 | | | | | | | | | | | | | | |
| 70 | 2.59 | 2.61 | 2.64 | 2.68 | 2.66 | | | | | | | | | | | | | | |
| 75 | 1.57 | 1.57 | 1.61 | 1.63 | 1.62 | | | | | | | | | | | | | | |
| 80 | 0.70 | 0.71 | 0.72 | 0.73 | 0.73 | | | | | | | | | | | | | | |
| 85 | 0.06 | 0.07 | 0.07 | 0.08 | 0.08 | | | | | | | | | | | | | | |
| 90 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | | | | | | | | | | | | | | |
| 95 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | | | | | | | | | | | | | | |
| 100 | 0.22 | 0.23 | 0.23 | 0.22 | 0.23 | | | | | | | | | | | | | | |
| 105 | 0.43 | 0.43 | 0.43 | 0.42 | 0.43 | | | | | | | | | | | | | | |
| 110 | 0.71 | 0.71 | 0.71 | 0.70 | 0.71 | | | | | | | | | | | | | | |
| 115 | 1.09 | 1.09 | 1.10 | 1.09 | 1.10 | | | | | | | | | | | | | | |
| 120 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | | | | | | | | | | | | | | |
| 125 | 2.11 | 2.11 | 2.11 | 2.11 | 2.11 | | | | | | | | | | | | | | |
| 130 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | | | | | | | | | | | | | | |
| 135 | 3.47 | 3.47 | 3.47 | 3.47 | 3.47 | | | | | | | | | | | | | | |
| 140 | 4.23 | 4.23 | 4.23 | 4.23 | 4.23 | | | | | | | | | | | | | | |
| 145 | 5.02 | 5.01 | 5.01 | 5.02 | 5.02 | | | | | | | | | | | | | | |
| 150 | 5.77 | 5.77 | 5.77 | 5.78 | 5.78 | | | | | | | | | | | | | | |
| 155 | 6.43 | 6.43 | 6.44 | 6.45 | 6.45 | | | | | | | | | | | | | | |
| 160 | 7.08 | 7.08 | 7.08 | 7.10 | 7.09 | | | | | | | | | | | | | | |
| 165 | 7.68 | 7.69 | 7.69 | 7.70 | 7.70 | | | | | | | | | | | | | | |
| 170 | 8.23 | 8.23 | 8.23 | 8.23 | 8.23 | | | | | | | | | | | | | | |
| 175 | 8.64 | 8.65 | 8.65 | 8.64 | 8.65 | | | | | | | | | | | | | | |
| 180 | 8.85 | 8.88 | 8.86 | 8.84 | 8.85 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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 | 12988 | 12970 | 12970 | 12970 | 12971 | 12963 | 12968 | 12963 | 12971 | 12970 |
| 3.0 | 13040 | 13024 | 13029 | 13035 | 13049 | 13051 | 13056 | 13051 | 13049 | 13035 |
| 6.0 | 13211 | 13193 | 13199 | 13207 | 13216 | 13223 | 13229 | 13223 | 13216 | 13207 |
| 9.0 | 13269 | 13261 | 13279 | 13258 | 13255 | 13272 | 13288 | 13272 | 13255 | 13258 |
| 12.0 | 13061 | 13085 | 13115 | 13074 | 13076 | 13122 | 13145 | 13122 | 13076 | 13074 |
| 15.0 | 12659 | 12707 | 12756 | 12724 | 12731 | 12816 | 12796 | 12816 | 12731 | 12724 |
| 18.0 | 12406 | 12404 | 12447 | 12489 | 12466 | 12533 | 12557 | 12533 | 12466 | 12489 |
| 21.0 | 12183 | 12111 | 12081 | 12227 | 12229 | 12274 | 12234 | 12274 | 12229 | 12227 |
| 24.0 | 11646 | 11388 | 11260 | 11439 | 11480 | 11448 | 11298 | 11448 | 11480 | 11439 |
| 27.0 | 10074 | 9939 | 9797 | 10056 | 10057 | 9958 | 9982 | 9958 | 10057 | 10056 |
| 30.0 | 8238 | 8245 | 8160 | 8419 | 8419 | 8299 | 8447 | 8299 | 8419 | 8419 |
| 33.0 | 6951 | 6767 | 6752 | 6827 | 6853 | 6953 | 6830 | 6953 | 6853 | 6827 |
| 36.0 | 5647 | 5312 | 5295 | 5278 | 5436 | 5527 | 5187 | 5527 | 5436 | 5278 |
| 39.0 | 3887 | 3797 | 3653 | 3775 | 4087 | 3770 | 3628 | 3770 | 4087 | 3775 |
| 42.0 | 2531 | 2530 | 2412 | 2460 | 2627 | 2364 | 2300 | 2364 | 2627 | 2460 |
| 45.0 | 1748 | 1708 | 1660 | 1691 | 1732 | 1628 | 1602 | 1628 | 1732 | 1691 |
| 48.0 | 1173 | 1113 | 1059 | 1095 | 1106 | 1034 | 1015 | 1034 | 1106 | 1095 |
| 51.0 | 703.8 | 667.1 | 663.2 | 679.4 | 632.8 | 624.0 | 646.8 | 624.0 | 632.8 | 679.4 |
| 54.0 | 356.7 | 333.8 | 337.0 | 329.5 | 343.7 | 311.1 | 335.1 | 311.1 | 343.7 | 329.5 |
| 57.0 | 169.8 | 167.4 | 175.4 | 169.3 | 166.1 | 167.0 | 169.7 | 167.0 | 166.1 | 169.3 |
| 60.0 | 100.0 | 97.55 | 100.7 | 97.64 | 96.96 | 94.66 | 99.92 | 94.66 | 96.96 | 97.64 |
| 63.0 | 61.96 | 61.25 | 62.48 | 61.01 | 60.03 | 60.00 | 62.05 | 60.00 | 60.03 | 61.01 |
| 66.0 | 41.10 | 41.67 | 43.10 | 41.70 | 40.25 | 41.16 | 42.73 | 41.16 | 40.25 | 41.70 |
| 69.0 | 29.33 | 29.23 | 29.39 | 29.12 | 28.73 | 28.56 | 28.86 | 28.56 | 28.73 | 29.12 |
| 72.0 | 22.14 | 22.08 | 22.18 | 21.94 | 21.54 | 21.50 | 21.69 | 21.50 | 21.54 | 21.94 |
| 75.0 | 16.26 | 16.25 | 16.27 | 16.06 | 15.69 | 15.68 | 15.81 | 15.68 | 15.69 | 16.06 |
| 78.0 | 10.84 | 10.79 | 10.81 | 10.62 | 10.37 | 10.34 | 10.35 | 10.34 | 10.37 | 10.62 |
| 81.0 | 5.729 | 5.680 | 5.632 | 5.569 | 5.474 | 5.417 | 5.417 | 5.417 | 5.474 | 5.569 |
| 84.0 | 1.625 | 1.622 | 1.617 | 1.537 | 1.477 | 1.380 | 1.378 | 1.380 | 1.477 | 1.537 |
| 87.0 | 0.5283 | 0.4891 | 0.4885 | 0.4853 | 0.4826 | 0.4690 | 0.4691 | 0.4690 | 0.4826 | 0.4853 |
| 90.0 | 0.6931 | 0.6649 | 0.6544 | 0.6601 | 0.6326 | 0.6347 | 0.6419 | 0.6347 | 0.6326 | 0.6601 |
| 93.0 | 0.9930 | 0.9594 | 0.9295 | 0.9487 | 0.9171 | 0.9156 | 0.9110 | 0.9156 | 0.9171 | 0.9487 |
| 96.0 | 1.450 | 1.394 | 1.352 | 1.376 | 1.363 | 1.343 | 1.305 | 1.343 | 1.363 | 1.376 |
| 99.0 | 2.100 | 2.014 | 1.936 | 2.003 | 2.005 | 1.950 | 1.884 | 1.950 | 2.005 | 2.003 |
| 102.0 | 3.124 | 3.013 | 2.897 | 2.973 | 2.983 | 2.928 | 2.822 | 2.928 | 2.983 | 2.973 |
| 105.0 | 4.462 | 4.333 | 4.243 | 4.266 | 4.261 | 4.278 | 4.171 | 4.278 | 4.261 | 4.266 |
| 108.0 | 5.972 | 5.858 | 5.803 | 5.823 | 5.827 | 5.850 | 5.813 | 5.850 | 5.827 | 5.823 |
| 111.0 | 7.857 | 7.746 | 7.710 | 7.773 | 7.741 | 7.748 | 7.749 | 7.748 | 7.741 | 7.773 |
| 114.0 | 10.28 | 10.12 | 10.07 | 10.12 | 10.07 | 10.08 | 10.08 | 10.08 | 10.07 | 10.12 |
| 117.0 | 12.95 | 12.82 | 12.77 | 12.81 | 12.77 | 12.79 | 12.77 | 12.79 | 12.77 | 12.81 |
| 120.0 | 15.75 | 15.71 | 15.70 | 15.70 | 15.69 | 15.73 | 15.72 | 15.73 | 15.69 | 15.70 |
| 123.0 | 18.85 | 18.82 | 18.85 | 18.84 | 18.81 | 18.86 | 18.87 | 18.86 | 18.81 | 18.84 |
| 126.0 | 22.33 | 22.28 | 22.30 | 22.28 | 22.25 | 22.29 | 22.32 | 22.29 | 22.25 | 22.28 |
| 129.0 | 26.17 | 26.12 | 26.12 | 26.11 | 26.09 | 26.13 | 26.14 | 26.13 | 26.09 | 26.11 |
| 132.0 | 30.36 | 30.30 | 30.29 | 30.27 | 30.29 | 30.30 | 30.30 | 30.30 | 30.29 | 30.27 |
| 135.0 | 34.75 | 34.72 | 34.68 | 34.66 | 34.69 | 34.68 | 34.68 | 34.68 | 34.69 | 34.66 |
| 138.0 | 39.28 | 39.26 | 39.23 | 39.22 | 39.20 | 39.22 | 39.21 | 39.22 | 39.20 | 39.22 |
| 141.0 | 43.88 | 43.89 | 43.89 | 43.85 | 43.82 | 43.87 | 43.91 | 43.87 | 43.82 | 43.85 |
| 144.0 | 48.58 | 48.64 | 48.64 | 48.58 | 48.53 | 48.60 | 48.66 | 48.60 | 48.53 | 48.58 |
| 147.0 | 53.27 | 53.35 | 53.35 | 53.27 | 53.21 | 53.30 | 53.35 | 53.30 | 53.21 | 53.27 |
| 150.0 | 57.74 | 57.79 | 57.83 | 57.73 | 57.67 | 57.72 | 57.73 | 57.72 | 57.67 | 57.73 |
| 153.0 | 61.80 | 61.82 | 61.85 | 61.73 | 61.67 | 61.67 | 61.70 | 61.67 | 61.67 | 61.73 |
| 156.0 | 65.77 | 65.77 | 65.82 | 65.67 | 65.58 | 65.64 | 65.70 | 65.64 | 65.58 | 65.67 |
| 159.0 | 69.66 | 69.65 | 69.69 | 69.52 | 69.51 | 69.54 | 69.59 | 69.54 | 69.51 | 69.52 |
| 162.0 | 73.56 | 73.50 | 73.49 | 73.45 | 73.44 | 73.41 | 73.42 | 73.41 | 73.44 | 73.45 |
| 165.0 | 77.01 | 77.00 | 76.96 | 76.94 | 76.92 | 76.84 | 76.83 | 76.84 | 76.92 | 76.94 |
| 168.0 | 80.37 | 80.38 | 80.35 | 80.34 | 80.33 | 80.25 | 80.24 | 80.25 | 80.33 | 80.34 |
| 171.0 | 83.15 | 83.15 | 83.18 | 83.15 | 83.19 | 83.09 | 83.09 | 83.09 | 83.19 | 83.15 |
| 174.0 | 85.73 | 85.68 | 85.65 | 85.68 | 85.72 | 85.61 | 85.55 | 85.61 | 85.72 | 85.68 |
| 177.0 | 87.59 | 87.43 | 87.35 | 87.43 | 87.57 | 87.39 | 87.26 | 87.39 | 87.57 | 87.43 |
| 180.0 | 88.72 | 88.53 | 88.40 | 88.58 | 88.80 | 88.54 | 88.30 | 88.54 | 88.80 | 88.58 |
| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
| 0.0 | 12970 | 12970 | 12988 | 12970 | 12970 | 12970 | 12971 | 12963 | 12968 | 12963 |
| 3.0 | 13029 | 13024 | 13040 | 13024 | 13029 | 13035 | 13049 | 13051 | 13056 | 13051 |
| 6.0 | 13199 | 13193 | 13211 | 13193 | 13199 | 13207 | 13216 | 13223 | 13229 | 13223 |
| 9.0 | 13279 | 13261 | 13269 | 13261 | 13279 | 13258 | 13255 | 13272 | 13288 | 13272 |
| 12.0 | 13115 | 13085 | 13061 | 13085 | 13115 | 13074 | 13076 | 13122 | 13145 | 13122 |
| 15.0 | 12756 | 12707 | 12659 | 12707 | 12756 | 12724 | 12731 | 12816 | 12796 | 12816 |
| 18.0 | 12447 | 12404 | 12406 | 12404 | 12447 | 12489 | 12466 | 12533 | 12557 | 12533 |
| 21.0 | 12081 | 12111 | 12183 | 12111 | 12081 | 12227 | 12229 | 12274 | 12234 | 12274 |
| 24.0 | 11260 | 11388 | 11646 | 11388 | 11260 | 11439 | 11480 | 11448 | 11298 | 11448 |
| 27.0 | 9797 | 9939 | 10074 | 9939 | 9797 | 10056 | 10057 | 9958 | 9982 | 9958 |
| 30.0 | 8160 | 8245 | 8238 | 8245 | 8160 | 8419 | 8419 | 8299 | 8447 | 8299 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-07-06

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 | 6752 | 6767 | 6951 | 6767 | 6752 | 6827 | 6853 | 6953 | 6830 | 6953 |
| 36.0 | 5295 | 5312 | 5647 | 5312 | 5295 | 5278 | 5436 | 5527 | 5187 | 5527 |
| 39.0 | 3653 | 3797 | 3887 | 3797 | 3653 | 3775 | 4087 | 3770 | 3628 | 3770 |
| 42.0 | 2412 | 2530 | 2531 | 2530 | 2412 | 2460 | 2627 | 2364 | 2300 | 2364 |
| 45.0 | 1660 | 1708 | 1748 | 1708 | 1660 | 1691 | 1732 | 1628 | 1602 | 1628 |
| 48.0 | 1059 | 1113 | 1173 | 1113 | 1059 | 1095 | 1106 | 1034 | 1015 | 1034 |
| 51.0 | 663.2 | 667.1 | 703.8 | 667.1 | 663.2 | 679.4 | 632.8 | 624.0 | 646.8 | 624.0 |
| 54.0 | 337.0 | 333.8 | 356.7 | 333.8 | 337.0 | 329.5 | 343.7 | 311.1 | 335.1 | 311.1 |
| 57.0 | 175.4 | 167.4 | 169.8 | 167.4 | 175.4 | 169.3 | 166.1 | 167.0 | 169.7 | 167.0 |
| 60.0 | 100.7 | 97.55 | 100.0 | 97.55 | 100.7 | 97.64 | 96.96 | 94.66 | 99.92 | 94.66 |
| 63.0 | 62.48 | 61.25 | 61.96 | 61.25 | 62.48 | 61.01 | 60.03 | 60.00 | 62.05 | 60.00 |
| 66.0 | 43.10 | 41.67 | 41.10 | 41.67 | 43.10 | 41.70 | 40.25 | 41.16 | 42.73 | 41.16 |
| 69.0 | 29.39 | 29.23 | 29.33 | 29.23 | 29.39 | 29.12 | 28.73 | 28.56 | 28.86 | 28.56 |
| 72.0 | 22.18 | 22.08 | 22.14 | 22.08 | 22.18 | 21.94 | 21.54 | 21.50 | 21.69 | 21.50 |
| 75.0 | 16.27 | 16.25 | 16.26 | 16.25 | 16.27 | 16.06 | 15.69 | 15.68 | 15.81 | 15.68 |
| 78.0 | 10.81 | 10.79 | 10.84 | 10.79 | 10.81 | 10.62 | 10.37 | 10.34 | 10.35 | 10.34 |
| 81.0 | 5.632 | 5.680 | 5.729 | 5.680 | 5.632 | 5.569 | 5.474 | 5.417 | 5.417 | 5.417 |
| 84.0 | 1.617 | 1.622 | 1.625 | 1.622 | 1.617 | 1.537 | 1.477 | 1.380 | 1.378 | 1.380 |
| 87.0 | 0.4885 | 0.4891 | 0.5283 | 0.4891 | 0.4885 | 0.4853 | 0.4826 | 0.4690 | 0.4691 | 0.4690 |
| 90.0 | 0.6544 | 0.6649 | 0.6931 | 0.6649 | 0.6544 | 0.6601 | 0.6326 | 0.6347 | 0.6419 | 0.6347 |
| 93.0 | 0.9295 | 0.9594 | 0.9930 | 0.9594 | 0.9295 | 0.9487 | 0.9171 | 0.9156 | 0.9110 | 0.9156 |
| 96.0 | 1.352 | 1.394 | 1.450 | 1.394 | 1.352 | 1.376 | 1.363 | 1.343 | 1.305 | 1.343 |
| 99.0 | 1.936 | 2.014 | 2.100 | 2.014 | 1.936 | 2.003 | 2.005 | 1.950 | 1.884 | 1.950 |
| 102.0 | 2.897 | 3.013 | 3.124 | 3.013 | 2.897 | 2.973 | 2.983 | 2.928 | 2.822 | 2.928 |
| 105.0 | 4.243 | 4.333 | 4.462 | 4.333 | 4.243 | 4.266 | 4.261 | 4.278 | 4.171 | 4.278 |
| 108.0 | 5.803 | 5.858 | 5.972 | 5.858 | 5.803 | 5.823 | 5.827 | 5.850 | 5.813 | 5.850 |
| 111.0 | 7.710 | 7.746 | 7.857 | 7.746 | 7.710 | 7.773 | 7.741 | 7.748 | 7.749 | 7.748 |
| 114.0 | 10.07 | 10.12 | 10.28 | 10.12 | 10.07 | 10.12 | 10.07 | 10.08 | 10.08 | 10.08 |
| 117.0 | 12.77 | 12.82 | 12.95 | 12.82 | 12.77 | 12.81 | 12.77 | 12.79 | 12.77 | 12.79 |
| 120.0 | 15.70 | 15.71 | 15.75 | 15.71 | 15.70 | 15.70 | 15.69 | 15.73 | 15.72 | 15.73 |
| 123.0 | 18.85 | 18.82 | 18.85 | 18.82 | 18.85 | 18.84 | 18.81 | 18.86 | 18.87 | 18.86 |
| 126.0 | 22.30 | 22.28 | 22.33 | 22.28 | 22.30 | 22.28 | 22.25 | 22.29 | 22.32 | 22.29 |
| 129.0 | 26.12 | 26.12 | 26.17 | 26.12 | 26.12 | 26.11 | 26.09 | 26.13 | 26.14 | 26.13 |
| 132.0 | 30.29 | 30.30 | 30.36 | 30.30 | 30.29 | 30.27 | 30.29 | 30.30 | 30.30 | 30.30 |
| 135.0 | 34.68 | 34.72 | 34.75 | 34.72 | 34.68 | 34.66 | 34.69 | 34.68 | 34.68 | 34.68 |
| 138.0 | 39.23 | 39.26 | 39.28 | 39.26 | 39.23 | 39.22 | 39.20 | 39.22 | 39.21 | 39.22 |
| 141.0 | 43.89 | 43.89 | 43.88 | 43.89 | 43.89 | 43.85 | 43.82 | 43.87 | 43.91 | 43.87 |
| 144.0 | 48.64 | 48.64 | 48.58 | 48.64 | 48.64 | 48.58 | 48.53 | 48.60 | 48.66 | 48.60 |
| 147.0 | 53.35 | 53.35 | 53.27 | 53.35 | 53.35 | 53.27 | 53.21 | 53.30 | 53.35 | 53.30 |
| 150.0 | 57.83 | 57.79 | 57.74 | 57.79 | 57.83 | 57.73 | 57.67 | 57.72 | 57.73 | 57.72 |
| 153.0 | 61.85 | 61.82 | 61.80 | 61.82 | 61.85 | 61.73 | 61.67 | 61.67 | 61.70 | 61.67 |
| 156.0 | 65.82 | 65.77 | 65.77 | 65.77 | 65.82 | 65.67 | 65.58 | 65.64 | 65.70 | 65.64 |
| 159.0 | 69.69 | 69.65 | 69.66 | 69.65 | 69.69 | 69.52 | 69.51 | 69.54 | 69.59 | 69.54 |
| 162.0 | 73.49 | 73.50 | 73.56 | 73.50 | 73.49 | 73.45 | 73.44 | 73.41 | 73.42 | 73.41 |
| 165.0 | 76.96 | 77.00 | 77.01 | 77.00 | 76.96 | 76.94 | 76.92 | 76.84 | 76.83 | 76.84 |
| 168.0 | 80.35 | 80.38 | 80.37 | 80.38 | 80.35 | 80.34 | 80.33 | 80.25 | 80.24 | 80.25 |
| 171.0 | 83.18 | 83.15 | 83.15 | 83.15 | 83.18 | 83.15 | 83.19 | 83.09 | 83.09 | 83.09 |
| 174.0 | 85.65 | 85.68 | 85.73 | 85.68 | 85.65 | 85.68 | 85.72 | 85.61 | 85.55 | 85.61 |
| 177.0 | 87.35 | 87.43 | 87.59 | 87.43 | 87.35 | 87.43 | 87.57 | 87.39 | 87.26 | 87.39 |
| 180.0 | 88.40 | 88.53 | 88.72 | 88.53 | 88.40 | 88.58 | 88.80 | 88.54 | 88.30 | 88.54 |
| G/C | 300.0 | 315.0 | 330.0 | 345.0 | | | | | | |
| 0.0 | 12971 | 12970 | 12970 | 12970 | | | | | | |
| 3.0 | 13049 | 13035 | 13029 | 13024 | | | | | | |
| 6.0 | 13216 | 13207 | 13199 | 13193 | | | | | | |
| 9.0 | 13255 | 13258 | 13279 | 13261 | | | | | | |
| 12.0 | 13076 | 13074 | 13115 | 13085 | | | | | | |
| 15.0 | 12731 | 12724 | 12756 | 12707 | | | | | | |
| 18.0 | 12466 | 12489 | 12447 | 12404 | | | | | | |
| 21.0 | 12229 | 12227 | 12081 | 12111 | | | | | | |
| 24.0 | 11480 | 11439 | 11260 | 11388 | | | | | | |
| 27.0 | 10057 | 10056 | 9797 | 9939 | | | | | | |
| 30.0 | 8419 | 8419 | 8160 | 8245 | | | | | | |
| 33.0 | 6853 | 6827 | 6752 | 6767 | | | | | | |
| 36.0 | 5436 | 5278 | 5295 | 5312 | | | | | | |
| 39.0 | 4087 | 3775 | 3653 | 3797 | | | | | | |
| 42.0 | 2627 | 2460 | 2412 | 2530 | | | | | | |
| 45.0 | 1732 | 1691 | 1660 | 1708 | | | | | | |
| 48.0 | 1106 | 1095 | 1059 | 1113 | | | | | | |
| 51.0 | 632.8 | 679.4 | 663.2 | 667.1 | | | | | | |
| 54.0 | 343.7 | 329.5 | 337.0 | 333.8 | | | | | | |
| 57.0 | 166.1 | 169.3 | 175.4 | 167.4 | | | | | | |
| 60.0 | 96.96 | 97.64 | 100.7 | 97.55 | | | | | | |
| 63.0 | 60.03 | 61.01 | 62.48 | 61.25 | | | | | | |
| 66.0 | 40.25 | 41.70 | 43.10 | 41.67 | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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 | 28.73 | 29.12 | 29.39 | 29.23 |
| 72.0 | 21.54 | 21.94 | 22.18 | 22.08 |
| 75.0 | 15.69 | 16.06 | 16.27 | 16.25 |
| 78.0 | 10.37 | 10.62 | 10.81 | 10.79 |
| 81.0 | 5.474 | 5.569 | 5.632 | 5.680 |
| 84.0 | 1.477 | 1.537 | 1.617 | 1.622 |
| 87.0 | 0.4826 | 0.4853 | 0.4885 | 0.4891 |
| 90.0 | 0.6326 | 0.6601 | 0.6544 | 0.6649 |
| 93.0 | 0.9171 | 0.9487 | 0.9295 | 0.9594 |
| 96.0 | 1.363 | 1.376 | 1.352 | 1.394 |
| 99.0 | 2.005 | 2.003 | 1.936 | 2.014 |
| 102.0 | 2.983 | 2.973 | 2.897 | 3.013 |
| 105.0 | 4.261 | 4.266 | 4.243 | 4.333 |
| 108.0 | 5.827 | 5.823 | 5.803 | 5.858 |
| 111.0 | 7.741 | 7.773 | 7.710 | 7.746 |
| 114.0 | 10.07 | 10.12 | 10.07 | 10.12 |
| 117.0 | 12.77 | 12.81 | 12.77 | 12.82 |
| 120.0 | 15.69 | 15.70 | 15.70 | 15.71 |
| 123.0 | 18.81 | 18.84 | 18.85 | 18.82 |
| 126.0 | 22.25 | 22.28 | 22.30 | 22.28 |
| 129.0 | 26.09 | 26.11 | 26.12 | 26.12 |
| 132.0 | 30.29 | 30.27 | 30.29 | 30.30 |
| 135.0 | 34.69 | 34.66 | 34.68 | 34.72 |
| 138.0 | 39.20 | 39.22 | 39.23 | 39.26 |
| 141.0 | 43.82 | 43.85 | 43.89 | 43.89 |
| 144.0 | 48.53 | 48.58 | 48.64 | 48.64 |
| 147.0 | 53.21 | 53.27 | 53.35 | 53.35 |
| 150.0 | 57.67 | 57.73 | 57.83 | 57.79 |
| 153.0 | 61.67 | 61.73 | 61.85 | 61.82 |
| 156.0 | 65.58 | 65.67 | 65.82 | 65.77 |
| 159.0 | 69.51 | 69.52 | 69.69 | 69.65 |
| 162.0 | 73.44 | 73.45 | 73.49 | 73.50 |
| 165.0 | 76.92 | 76.94 | 76.96 | 77.00 |
| 168.0 | 80.33 | 80.34 | 80.35 | 80.38 |
| 171.0 | 83.19 | 83.15 | 83.18 | 83.15 |
| 174.0 | 85.72 | 85.68 | 85.65 | 85.68 |
| 177.0 | 87.57 | 87.43 | 87.35 | 87.43 |
| 180.0 | 88.80 | 88.58 | 88.40 | 88.53 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-07-06

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: