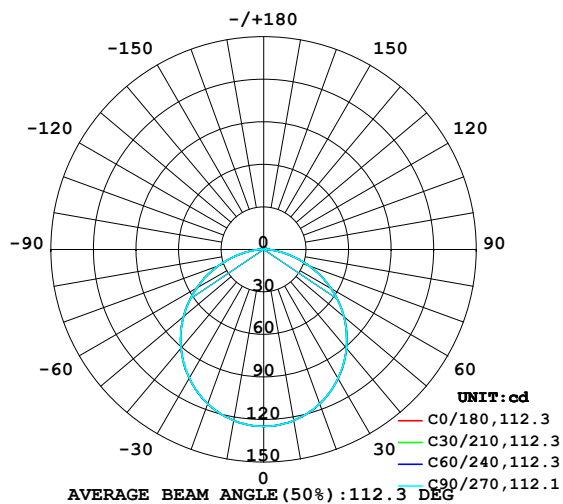


LUMINAIRE PHOTOMETRIC TEST REPORT

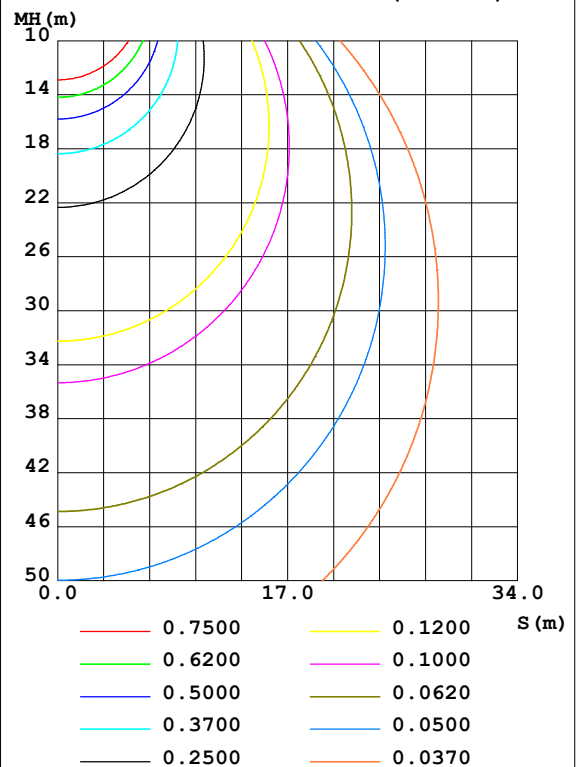
| | | |
|--|-------|------------------|
| Test:U:1.436V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:365.184x1 lm | | |
| NAME: E02 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-------------------|---------|-----------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 124.8 | S/MH (C0/180) | 1.25 |
| NOMINAL POWER (W) | 4 | LOR (%) | 100.0 | S/MH (C90/270) | 1.25 |
| RATED VOLTAGE (V) | 230 | TOTAL FLUX (lm) | 365.18 | η UP, DN (C0-180) | 1.2, 48.8 |
| NOMINAL FLUX (lm) | 365.184 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 1.2, 48.8 |
| LAMPS INSIDE | 1 | η up (%) | 2.4 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 230 | η down (%) | 97.6 | CIBSE SHR MAX | 1.35 |

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: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [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 | 122.5 | 122.5 | 122.4 | 122.5 | 122.5 | 122.5 | 122.4 | 122.5 | 0- 10 | 11.80 | 11.80 | 3.23,3.23 |
| 20 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 10- 20 | 33.76 | 45.56 | 12.5,12.5 |
| 30 | 105.0 | 105.0 | 104.9 | 105.0 | 105.0 | 105.0 | 104.9 | 105.0 | 20- 30 | 51.07 | 96.63 | 26.5,26.5 |
| 40 | 90.86 | 90.84 | 90.78 | 90.84 | 90.86 | 90.84 | 90.78 | 90.84 | 30- 40 | 61.49 | 158.1 | 43.3,43.3 |
| 50 | 73.92 | 73.90 | 73.88 | 73.90 | 73.92 | 73.90 | 73.88 | 73.90 | 40- 50 | 63.76 | 221.9 | 60.8,60.8 |
| 60 | 54.80 | 54.81 | 54.81 | 54.81 | 54.80 | 54.81 | 54.81 | 54.81 | 50- 60 | 57.71 | 279.6 | 76.6,76.6 |
| 70 | 34.16 | 34.22 | 34.26 | 34.22 | 34.16 | 34.22 | 34.26 | 34.22 | 60- 70 | 44.12 | 323.7 | 88.6,88.6 |
| 80 | 13.98 | 14.02 | 14.06 | 14.02 | 13.98 | 14.02 | 14.06 | 14.02 | 70- 80 | 25.23 | 348.9 | 95.6,95.6 |
| 90 | 2.336 | 2.364 | 2.357 | 2.364 | 2.336 | 2.364 | 2.357 | 2.364 | 80- 90 | 7.536 | 356.5 | 97.6,97.6 |
| 100 | 1.426 | 1.365 | 1.325 | 1.365 | 1.426 | 1.365 | 1.325 | 1.365 | 90-100 | 1.819 | 358.3 | 98.1,98.1 |
| 110 | 1.386 | 1.288 | 1.211 | 1.288 | 1.386 | 1.288 | 1.211 | 1.288 | 100-110 | 1.397 | 359.7 | 98.5,98.5 |
| 120 | 1.404 | 1.297 | 1.228 | 1.297 | 1.404 | 1.297 | 1.228 | 1.297 | 110-120 | 1.299 | 361.0 | 98.9,98.9 |
| 130 | 1.412 | 1.341 | 1.272 | 1.341 | 1.412 | 1.341 | 1.272 | 1.341 | 120-130 | 1.194 | 362.2 | 99.2,99.2 |
| 140 | 1.404 | 1.347 | 1.303 | 1.347 | 1.404 | 1.347 | 1.303 | 1.347 | 130-140 | 1.049 | 363.2 | 99.5,99.5 |
| 150 | 1.386 | 1.350 | 1.312 | 1.350 | 1.386 | 1.350 | 1.312 | 1.350 | 140-150 | 0.8520 | 364.1 | 99.7,99.7 |
| 160 | 1.338 | 1.306 | 1.285 | 1.306 | 1.338 | 1.306 | 1.285 | 1.306 | 150-160 | 0.6191 | 364.7 | 99.9,99.9 |
| 170 | 1.193 | 1.179 | 1.176 | 1.179 | 1.193 | 1.179 | 1.176 | 1.179 | 160-170 | 0.3594 | 365.1 | 100,100 |
| 180 | 1.198 | 1.198 | 1.198 | 1.198 | 1.198 | 1.198 | 1.198 | 1.198 | 170-180 | 0.1121 | 365.2 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 190.24 lm

%lum = 52.1%

%lamp = 52.1%

Conical surface Flux(120deg): 279.59 lm

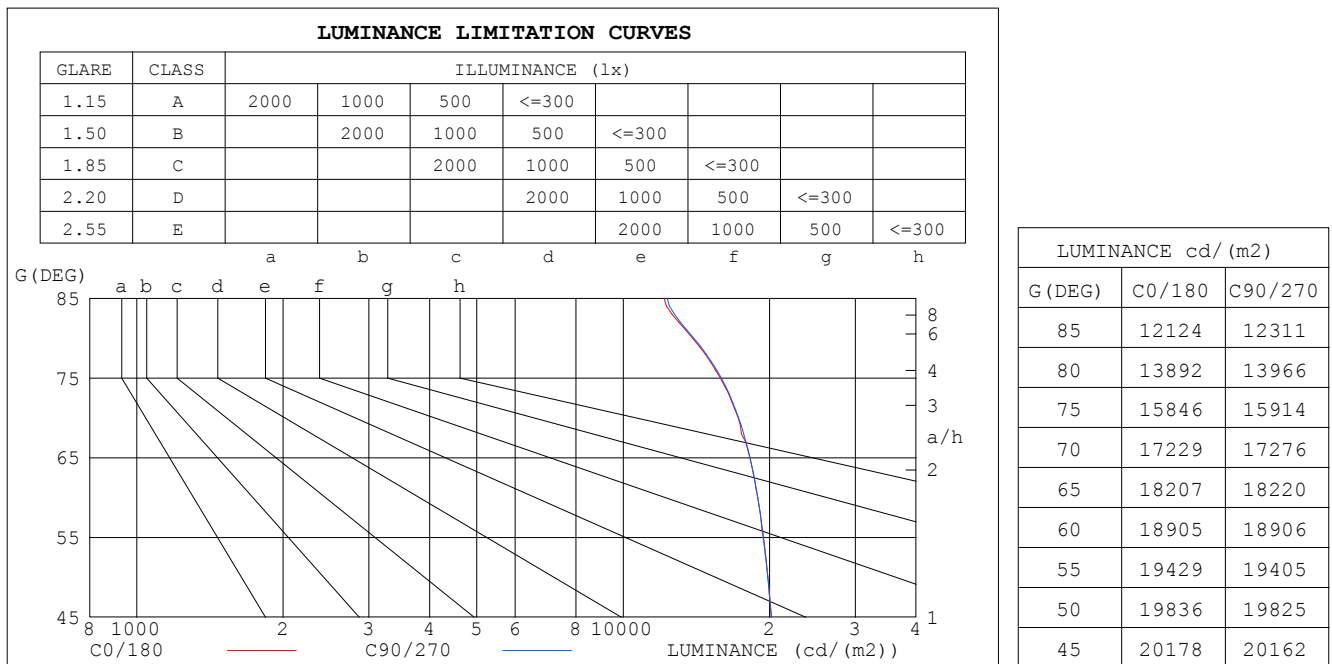
%lum = 76.6%

%lamp = 76.6%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:11.600m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

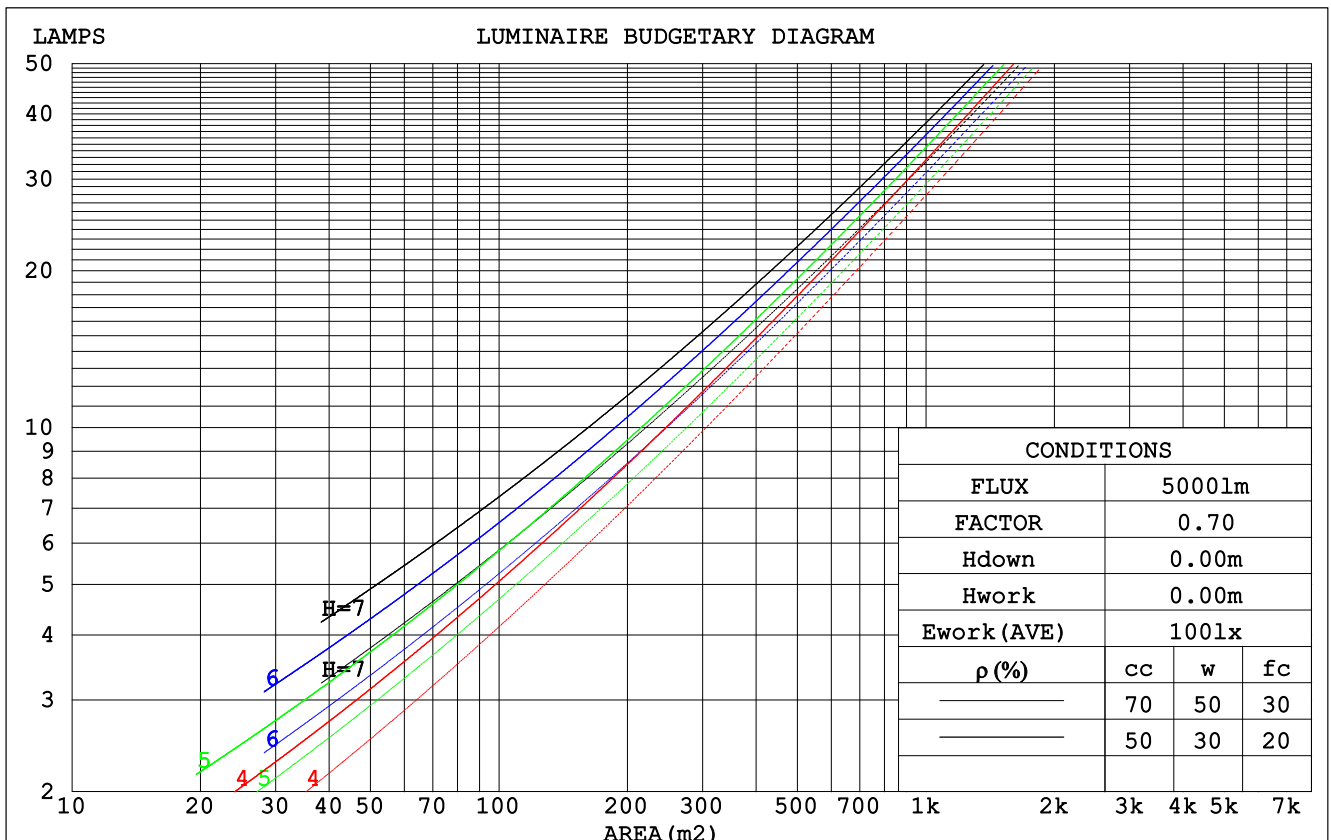


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 11.600m [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 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | .00 | .00 | .00 | .98 |
| 1.0 | 1.03 | .99 | .95 | 1.01 | .97 | .93 | .96 | .93 | .90 | .92 | .89 | .87 | .88 | .86 | .84 | .81 |
| 2.0 | .90 | .83 | .77 | .88 | .81 | .76 | .84 | .78 | .74 | .80 | .76 | .72 | .77 | .73 | .70 | .68 |
| 3.0 | .79 | .71 | .64 | .77 | .69 | .63 | .74 | .67 | .62 | .71 | .65 | .60 | .68 | .63 | .59 | .57 |
| 4.0 | .70 | .61 | .54 | .68 | .60 | .54 | .65 | .58 | .53 | .63 | .57 | .52 | .60 | .55 | .51 | .48 |
| 5.0 | .62 | .53 | .47 | .61 | .53 | .46 | .59 | .51 | .45 | .56 | .50 | .45 | .54 | .49 | .44 | .42 |
| 6.0 | .56 | .47 | .41 | .55 | .46 | .40 | .53 | .45 | .40 | .51 | .44 | .39 | .49 | .43 | .39 | .37 |
| 7.0 | .51 | .42 | .36 | .50 | .41 | .36 | .48 | .41 | .35 | .46 | .40 | .35 | .45 | .39 | .34 | .32 |
| 8.0 | .46 | .38 | .32 | .45 | .37 | .32 | .44 | .37 | .31 | .43 | .36 | .31 | .41 | .35 | .31 | .29 |
| 9.0 | .42 | .34 | .29 | .42 | .34 | .29 | .40 | .33 | .28 | .39 | .33 | .28 | .38 | .32 | .28 | .26 |
| 10.0 | .39 | .31 | .26 | .39 | .31 | .26 | .37 | .30 | .26 | .36 | .30 | .25 | .35 | .29 | .25 | .23 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [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 | .311 | .177 | .056 | .304 | .173 | .055 | .289 | .166 | .053 | .276 | .159 | .051 | .263 | .153 | .049 | |
| 2.0 | .292 | .160 | .049 | .285 | .157 | .048 | .272 | .151 | .047 | .260 | .146 | .046 | .249 | .141 | .044 | |
| 3.0 | .270 | .144 | .043 | .264 | .141 | .043 | .252 | .137 | .042 | .242 | .132 | .041 | .232 | .128 | .040 | |
| 4.0 | .249 | .129 | .038 | .243 | .127 | .038 | .233 | .124 | .037 | .224 | .120 | .036 | .215 | .117 | .036 | |
| 5.0 | .230 | .117 | .034 | .225 | .116 | .034 | .216 | .112 | .033 | .207 | .109 | .033 | .199 | .107 | .032 | |
| 6.0 | .213 | .107 | .031 | .209 | .106 | .030 | .201 | .103 | .030 | .193 | .100 | .029 | .186 | .098 | .029 | |
| 7.0 | .198 | .098 | .028 | .195 | .097 | .028 | .187 | .095 | .027 | .180 | .092 | .027 | .174 | .090 | .027 | |
| 8.0 | .185 | .091 | .025 | .182 | .090 | .025 | .175 | .088 | .025 | .169 | .086 | .025 | .163 | .084 | .024 | |
| 9.0 | .174 | .084 | .023 | .170 | .083 | .023 | .164 | .081 | .023 | .159 | .080 | .023 | .153 | .078 | .023 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .155 | .076 | .021 | .150 | .074 | .021 | .145 | .073 | .021 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .209 | .209 | .209 | .178 | .178 | .178 | .122 | .122 | .122 | .070 | .070 | .070 | .022 | .022 | .022 | |
| 1.0 | .199 | .174 | .153 | .170 | .150 | .131 | .116 | .103 | .091 | .067 | .060 | .053 | .021 | .019 | .017 | |
| 2.0 | .191 | .150 | .116 | .163 | .129 | .101 | .112 | .090 | .070 | .065 | .052 | .041 | .021 | .017 | .013 | |
| 3.0 | .183 | .133 | .093 | .157 | .115 | .080 | .108 | .080 | .056 | .062 | .046 | .033 | .020 | .015 | .011 | |
| 4.0 | .175 | .120 | .077 | .151 | .103 | .067 | .103 | .072 | .047 | .060 | .042 | .028 | .019 | .014 | .009 | |
| 5.0 | .168 | .109 | .066 | .144 | .095 | .057 | .099 | .066 | .040 | .058 | .039 | .024 | .019 | .013 | .008 | |
| 6.0 | .161 | .101 | .058 | .138 | .087 | .050 | .095 | .061 | .036 | .055 | .036 | .021 | .018 | .012 | .007 | |
| 7.0 | .154 | .094 | .052 | .132 | .082 | .045 | .092 | .057 | .032 | .053 | .034 | .019 | .017 | .011 | .006 | |
| 8.0 | .148 | .088 | .048 | .127 | .077 | .041 | .088 | .054 | .029 | .051 | .032 | .018 | .017 | .010 | .006 | |
| 9.0 | .142 | .083 | .044 | .122 | .072 | .038 | .084 | .051 | .027 | .049 | .030 | .016 | .016 | .010 | .005 | |
| 10.0 | .136 | .079 | .041 | .117 | .069 | .036 | .081 | .048 | .026 | .047 | .029 | .015 | .015 | .009 | .005 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:11.600m [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 | 26.6 | 28.0 | 26.9 | 28.3 | 28.5 | 26.6 | 28.0 | 26.9 | 28.3 | 28.5 |
| 3H | 28.1 | 29.4 | 28.4 | 29.7 | 30.0 | 28.1 | 29.5 | 28.4 | 29.7 | 30.0 |
| 4H | 28.7 | 30.0 | 29.0 | 30.3 | 30.6 | 28.7 | 30.0 | 29.0 | 30.3 | 30.6 |
| 6H | 29.1 | 30.3 | 29.4 | 30.6 | 30.9 | 29.1 | 30.3 | 29.4 | 30.6 | 31.0 |
| 8H | 29.2 | 30.4 | 29.6 | 30.7 | 31.0 | 29.2 | 30.4 | 29.6 | 30.7 | 31.1 |
| 12H | 29.3 | 30.4 | 29.6 | 30.7 | 31.1 | 29.3 | 30.4 | 29.7 | 30.8 | 31.1 |
| 4H 2H | 27.2 | 28.5 | 27.5 | 28.8 | 29.1 | 27.2 | 28.5 | 27.5 | 28.8 | 29.1 |
| 3H | 28.9 | 30.0 | 29.2 | 30.3 | 30.7 | 28.9 | 30.0 | 29.2 | 30.3 | 30.7 |
| 4H | 29.6 | 30.6 | 30.0 | 31.0 | 31.4 | 29.6 | 30.6 | 30.0 | 31.0 | 31.4 |
| 6H | 30.1 | 31.0 | 30.5 | 31.4 | 31.8 | 30.1 | 31.0 | 30.5 | 31.4 | 31.8 |
| 8H | 30.3 | 31.1 | 30.7 | 31.5 | 32.0 | 30.3 | 31.1 | 30.7 | 31.6 | 32.0 |
| 12H | 30.4 | 31.2 | 30.8 | 31.6 | 32.1 | 30.4 | 31.2 | 30.9 | 31.6 | 32.1 |
| 8H 4H | 29.8 | 30.7 | 30.3 | 31.1 | 31.5 | 29.8 | 30.7 | 30.3 | 31.1 | 31.5 |
| 6H | 30.5 | 31.2 | 31.0 | 31.7 | 32.1 | 30.5 | 31.2 | 31.0 | 31.7 | 32.1 |
| 8H | 30.7 | 31.4 | 31.2 | 31.8 | 32.3 | 30.8 | 31.4 | 31.3 | 31.9 | 32.4 |
| 12H | 30.9 | 31.5 | 31.4 | 32.0 | 32.5 | 30.9 | 31.5 | 31.5 | 32.0 | 32.5 |
| 12H 4H | 29.8 | 30.6 | 30.3 | 31.0 | 31.5 | 29.8 | 30.6 | 30.3 | 31.1 | 31.5 |
| 6H | 30.5 | 31.2 | 31.0 | 31.6 | 32.1 | 30.6 | 31.2 | 31.0 | 31.7 | 32.2 |
| 8H | 30.8 | 31.4 | 31.3 | 31.9 | 32.4 | 30.8 | 31.4 | 31.4 | 31.9 | 32.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117, 365.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:11.600m [K=1.0000]
Remarks:

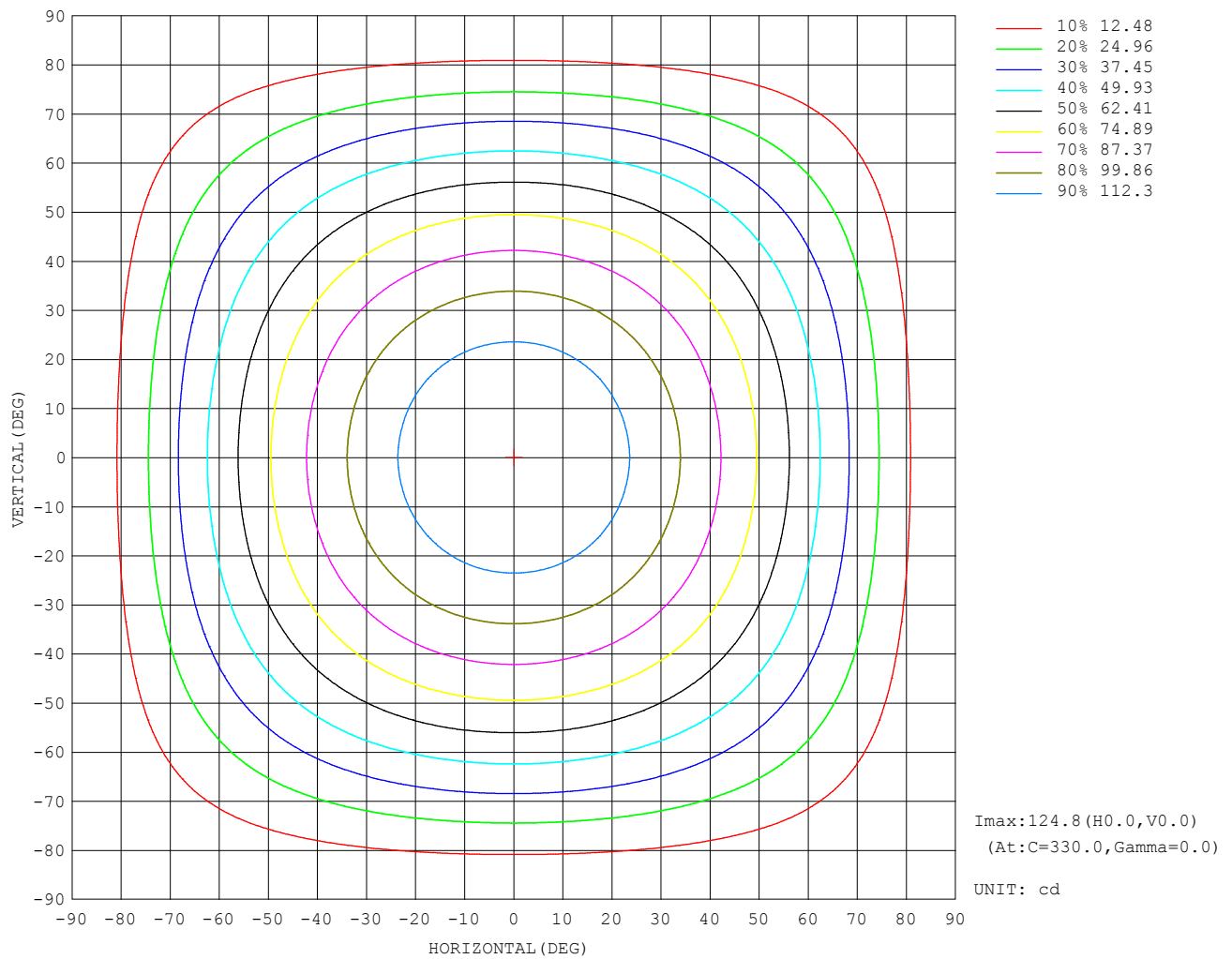
UTILIZATION FACTORS TABLE

| 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 31 |
| 0.80 | 67 | 55 | 48 | 66 | 54 | 47 | 64 | 54 | 47 | 40 |
| 1.00 | 75 | 64 | 56 | 74 | 63 | 56 | 71 | 64 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 81 | 71 | 64 | 78 | 69 | 63 | 55 |
| 1.50 | 87 | 77 | 70 | 85 | 76 | 69 | 82 | 74 | 68 | 60 |
| 2.00 | 94 | 85 | 79 | 92 | 84 | 78 | 88 | 82 | 76 | 68 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 72 |
| 3.00 | 101 | 94 | 89 | 99 | 93 | 87 | 95 | 89 | 85 | 76 |
| 4.00 | 105 | 100 | 95 | 103 | 98 | 93 | 98 | 94 | 90 | 81 |
| 5.00 | 108 | 103 | 99 | 105 | 101 | 97 | 100 | 97 | 94 | 84 |
| 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: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [K=1.0000]
 Remarks:

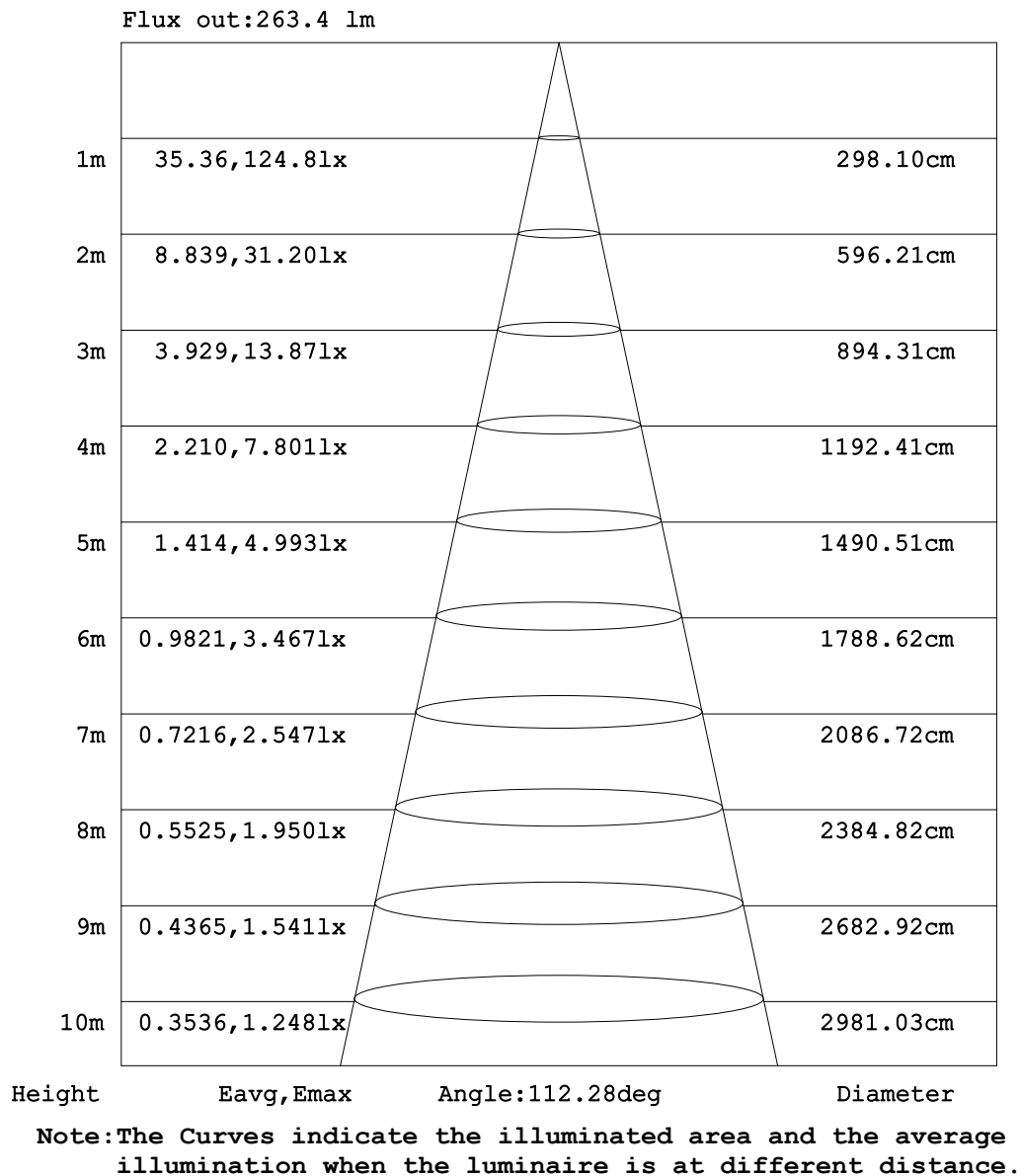
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 11.600m [K=1.0000]
Remarks:

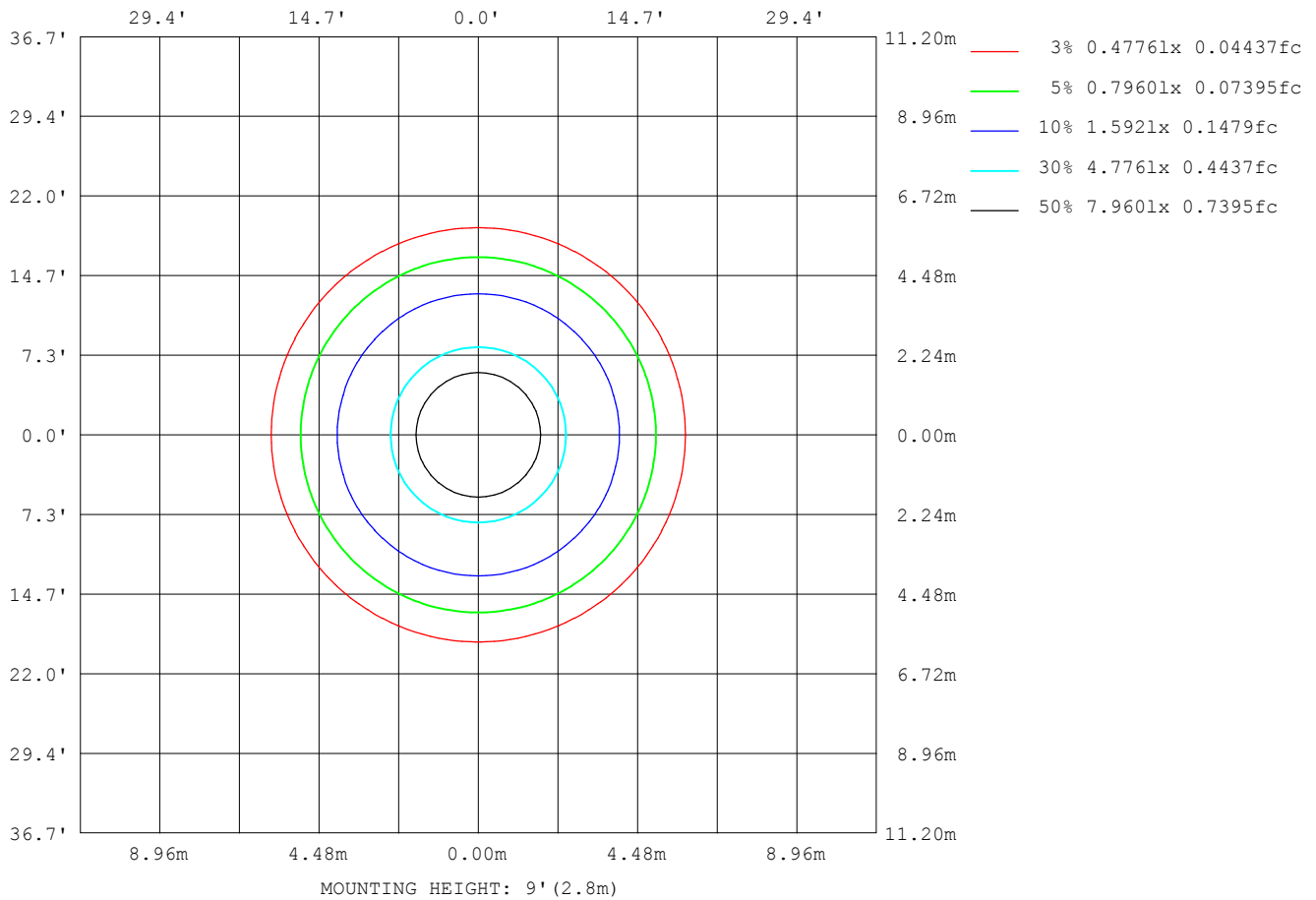
AAI Figure



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:11.600m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|-------|------------------|
| Test:U:1.436V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:365.184x1 lm | | |
| NAME: E02 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

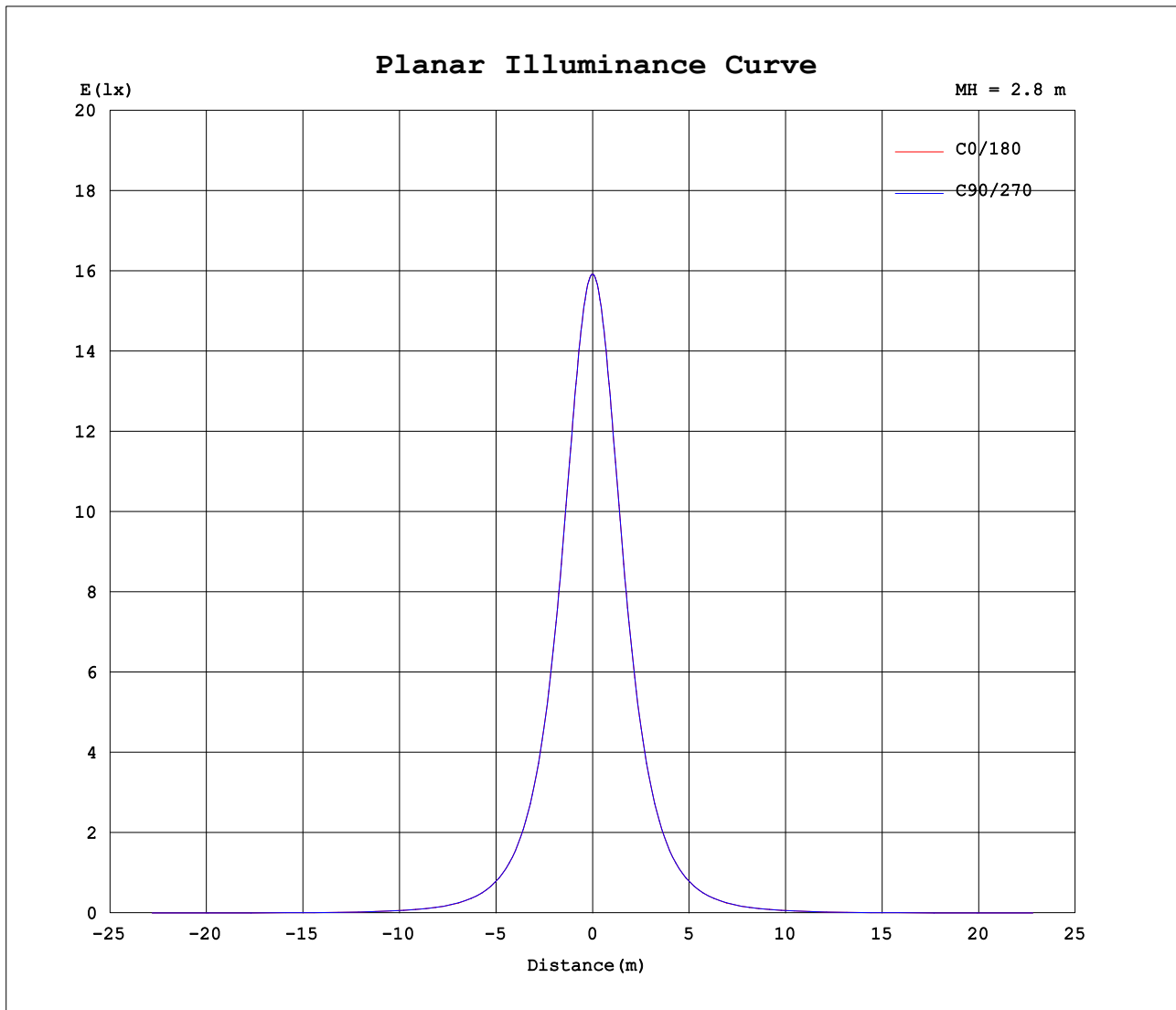
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 18198 |
| L_0~180 (75) av | 15838 |
| L_0~180 (85) av | 12119 |
| L_90~270 (65) av | 18213 |
| L_90~270 (75) av | 15908 |
| L_90~270 (85) av | 12307 |
| L_45 (65) av | 18203 |
| L_45 (75) av | 15864 |
| L_45 (85) av | 12236 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:11.600m [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: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 11.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 10 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| 15 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 20 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 |
| 25 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 30 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| 35 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 40 | 90.9 | 90.9 | 90.9 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.8 | 90.8 | 90.8 | 90.8 |
| 45 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 50 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 55 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.5 |
| 60 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 65 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| 70 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 |
| 75 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.9 | 23.9 | 23.9 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.9 | 23.9 |
| 80 | 14.0 | 14.0 | 14.1 | 14.0 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.0 | 14.1 | 14.0 | 14.0 | 14.0 | 14.1 | 14.0 | 14.1 | 14.1 | 14.1 |
| 85 | 6.13 | 6.16 | 6.28 | 6.19 | 6.24 | 6.23 | 6.22 | 6.23 | 6.24 | 6.19 | 6.28 | 6.16 | 6.13 | 6.16 | 6.28 | 6.19 | 6.24 | 6.23 | 6.22 |
| 90 | 2.34 | 2.36 | 2.45 | 2.36 | 2.40 | 2.38 | 2.36 | 2.38 | 2.40 | 2.36 | 2.45 | 2.36 | 2.34 | 2.36 | 2.45 | 2.36 | 2.40 | 2.38 | 2.36 |
| 95 | 1.61 | 1.60 | 1.60 | 1.57 | 1.57 | 1.57 | 1.58 | 1.57 | 1.57 | 1.57 | 1.60 | 1.60 | 1.61 | 1.60 | 1.60 | 1.57 | 1.57 | 1.57 | 1.58 |
| 100 | 1.43 | 1.42 | 1.40 | 1.37 | 1.36 | 1.35 | 1.32 | 1.35 | 1.36 | 1.37 | 1.40 | 1.42 | 1.43 | 1.42 | 1.40 | 1.37 | 1.36 | 1.35 | 1.32 |
| 105 | 1.37 | 1.38 | 1.35 | 1.30 | 1.27 | 1.26 | 1.24 | 1.26 | 1.27 | 1.30 | 1.35 | 1.38 | 1.37 | 1.38 | 1.35 | 1.30 | 1.27 | 1.26 | 1.24 |
| 110 | 1.39 | 1.38 | 1.36 | 1.29 | 1.24 | 1.23 | 1.21 | 1.23 | 1.24 | 1.29 | 1.36 | 1.38 | 1.39 | 1.38 | 1.36 | 1.29 | 1.24 | 1.23 | 1.21 |
| 115 | 1.39 | 1.40 | 1.37 | 1.29 | 1.26 | 1.22 | 1.21 | 1.22 | 1.26 | 1.29 | 1.37 | 1.40 | 1.39 | 1.40 | 1.37 | 1.29 | 1.26 | 1.22 | 1.21 |
| 120 | 1.40 | 1.41 | 1.38 | 1.30 | 1.28 | 1.23 | 1.23 | 1.23 | 1.28 | 1.30 | 1.38 | 1.41 | 1.40 | 1.41 | 1.38 | 1.30 | 1.28 | 1.23 | 1.23 |
| 125 | 1.41 | 1.43 | 1.39 | 1.13 | 1.29 | 1.25 | 1.25 | 1.25 | 1.29 | 1.13 | 1.39 | 1.43 | 1.41 | 1.43 | 1.39 | 1.13 | 1.29 | 1.25 | 1.25 |
| 130 | 1.41 | 1.42 | 1.39 | 1.34 | 1.32 | 1.28 | 1.27 | 1.28 | 1.32 | 1.34 | 1.39 | 1.42 | 1.41 | 1.42 | 1.39 | 1.34 | 1.32 | 1.28 | 1.27 |
| 135 | 1.40 | 1.43 | 1.39 | 1.34 | 1.33 | 1.29 | 1.29 | 1.29 | 1.33 | 1.34 | 1.39 | 1.43 | 1.40 | 1.43 | 1.39 | 1.34 | 1.33 | 1.29 | 1.29 |
| 140 | 1.40 | 1.41 | 1.39 | 1.35 | 1.33 | 1.30 | 1.30 | 1.30 | 1.33 | 1.35 | 1.39 | 1.41 | 1.40 | 1.41 | 1.39 | 1.35 | 1.33 | 1.30 | 1.30 |
| 145 | 1.39 | 1.41 | 1.39 | 1.35 | 1.33 | 1.31 | 1.30 | 1.31 | 1.33 | 1.35 | 1.39 | 1.41 | 1.39 | 1.41 | 1.39 | 1.35 | 1.33 | 1.31 | 1.30 |
| 150 | 1.39 | 1.39 | 1.38 | 1.35 | 1.33 | 1.31 | 1.31 | 1.31 | 1.33 | 1.35 | 1.38 | 1.39 | 1.39 | 1.39 | 1.38 | 1.35 | 1.33 | 1.31 | 1.31 |
| 155 | 1.37 | 1.37 | 1.37 | 1.34 | 1.31 | 1.30 | 1.30 | 1.30 | 1.31 | 1.34 | 1.37 | 1.37 | 1.37 | 1.37 | 1.37 | 1.34 | 1.31 | 1.30 | 1.30 |
| 160 | 1.34 | 1.33 | 1.32 | 1.31 | 1.29 | 1.29 | 1.29 | 1.29 | 1.29 | 1.31 | 1.32 | 1.33 | 1.34 | 1.33 | 1.32 | 1.31 | 1.29 | 1.29 | 1.29 |
| 165 | 1.29 | 1.28 | 1.26 | 1.27 | 1.26 | 1.27 | 1.26 | 1.27 | 1.26 | 1.27 | 1.26 | 1.28 | 1.29 | 1.28 | 1.26 | 1.27 | 1.26 | 1.27 | 1.26 |
| 170 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | 1.18 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | 1.19 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | 1.18 |
| 175 | 1.17 | 1.18 | 1.17 | 1.17 | 1.18 | 1.19 | 1.17 | 1.19 | 1.18 | 1.17 | 1.17 | 1.18 | 1.17 | 1.18 | 1.17 | 1.17 | 1.18 | 1.19 | 1.17 |
| 180 | 1.20 | 1.20 | 1.19 | 1.20 | 1.20 | 1.21 | 1.20 | 1.21 | 1.20 | 1.20 | 1.19 | 1.20 | 1.20 | 1.20 | 1.19 | 1.20 | 1.20 | 1.21 | 1.20 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2021-03-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:11.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 125 | 125 | 125 | 125 | 125 | | | | | | | | | | | | | | |
| 5 | 124 | 124 | 124 | 124 | 124 | | | | | | | | | | | | | | |
| 10 | 122 | 122 | 122 | 122 | 122 | | | | | | | | | | | | | | |
| 15 | 120 | 120 | 120 | 120 | 120 | | | | | | | | | | | | | | |
| 20 | 116 | 116 | 116 | 116 | 116 | | | | | | | | | | | | | | |
| 25 | 111 | 111 | 111 | 111 | 111 | | | | | | | | | | | | | | |
| 30 | 105 | 105 | 105 | 105 | 105 | | | | | | | | | | | | | | |
| 35 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | | | | | | | | | | | | | | |
| 40 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | | | | | | | | | | | | | | |
| 45 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | | | | | | | | | | | | | | |
| 50 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | | | | | | | | | | | | | | |
| 55 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | | | | | | | | | | | | | | |
| 60 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | | | | | | | | | | | | | | |
| 65 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | | | | | | | | | | | | | | |
| 70 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | | | | | | | | | | | | | | |
| 75 | 23.9 | 23.8 | 23.8 | 23.8 | 23.8 | | | | | | | | | | | | | | |
| 80 | 14.1 | 14.1 | 14.0 | 14.1 | 14.0 | | | | | | | | | | | | | | |
| 85 | 6.23 | 6.24 | 6.19 | 6.28 | 6.16 | | | | | | | | | | | | | | |
| 90 | 2.38 | 2.40 | 2.36 | 2.45 | 2.36 | | | | | | | | | | | | | | |
| 95 | 1.57 | 1.57 | 1.57 | 1.60 | 1.60 | | | | | | | | | | | | | | |
| 100 | 1.35 | 1.36 | 1.37 | 1.40 | 1.42 | | | | | | | | | | | | | | |
| 105 | 1.26 | 1.27 | 1.30 | 1.35 | 1.38 | | | | | | | | | | | | | | |
| 110 | 1.23 | 1.24 | 1.29 | 1.36 | 1.38 | | | | | | | | | | | | | | |
| 115 | 1.22 | 1.26 | 1.29 | 1.37 | 1.40 | | | | | | | | | | | | | | |
| 120 | 1.23 | 1.28 | 1.30 | 1.38 | 1.41 | | | | | | | | | | | | | | |
| 125 | 1.25 | 1.29 | 1.13 | 1.39 | 1.43 | | | | | | | | | | | | | | |
| 130 | 1.28 | 1.32 | 1.34 | 1.39 | 1.42 | | | | | | | | | | | | | | |
| 135 | 1.29 | 1.33 | 1.34 | 1.39 | 1.43 | | | | | | | | | | | | | | |
| 140 | 1.30 | 1.33 | 1.35 | 1.39 | 1.41 | | | | | | | | | | | | | | |
| 145 | 1.31 | 1.33 | 1.35 | 1.39 | 1.41 | | | | | | | | | | | | | | |
| 150 | 1.31 | 1.33 | 1.35 | 1.38 | 1.39 | | | | | | | | | | | | | | |
| 155 | 1.30 | 1.31 | 1.34 | 1.37 | 1.37 | | | | | | | | | | | | | | |
| 160 | 1.29 | 1.29 | 1.31 | 1.32 | 1.33 | | | | | | | | | | | | | | |
| 165 | 1.27 | 1.26 | 1.27 | 1.26 | 1.28 | | | | | | | | | | | | | | |
| 170 | 1.19 | 1.18 | 1.18 | 1.18 | 1.19 | | | | | | | | | | | | | | |
| 175 | 1.19 | 1.18 | 1.17 | 1.17 | 1.18 | | | | | | | | | | | | | | |
| 180 | 1.21 | 1.20 | 1.20 | 1.19 | 1.20 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [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 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 |
| 3.0 | 124.6 | 124.6 | 124.6 | 124.6 | 124.5 | 124.6 | 124.5 | 124.6 | 124.5 | 124.6 |
| 6.0 | 123.9 | 124.0 | 123.9 | 124.0 | 123.9 | 123.9 | 123.9 | 123.9 | 123.9 | 124.0 |
| 9.0 | 122.9 | 122.9 | 122.9 | 122.7 | 122.9 | 122.9 | 122.9 | 122.9 | 122.9 | 122.7 |
| 12.0 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.4 | 121.5 | 121.5 | 121.5 |
| 15.0 | 119.6 | 119.7 | 119.7 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 |
| 18.0 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 |
| 21.0 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 |
| 24.0 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.8 | 111.9 | 111.9 | 111.9 |
| 27.0 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.5 | 108.6 | 108.6 | 108.6 |
| 30.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 104.9 | 105.0 | 105.0 | 105.0 |
| 33.0 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.0 | 101.0 | 101.0 | 101.1 | 101.1 |
| 36.0 | 96.91 | 96.90 | 96.91 | 96.87 | 96.85 | 96.84 | 96.83 | 96.84 | 96.85 | 96.87 |
| 39.0 | 92.41 | 92.41 | 92.42 | 92.38 | 92.37 | 92.35 | 92.34 | 92.35 | 92.37 | 92.38 |
| 42.0 | 87.68 | 87.68 | 87.69 | 87.64 | 87.63 | 87.63 | 87.60 | 87.63 | 87.63 | 87.64 |
| 45.0 | 82.71 | 82.70 | 82.71 | 82.68 | 82.67 | 82.65 | 82.66 | 82.65 | 82.67 | 82.68 |
| 48.0 | 77.51 | 77.50 | 77.51 | 77.48 | 77.47 | 77.46 | 77.47 | 77.46 | 77.47 | 77.48 |
| 51.0 | 72.09 | 72.11 | 72.12 | 72.09 | 72.08 | 72.08 | 72.05 | 72.08 | 72.08 | 72.09 |
| 54.0 | 66.52 | 66.53 | 66.53 | 66.51 | 66.49 | 66.49 | 66.46 | 66.49 | 66.49 | 66.51 |
| 57.0 | 60.72 | 60.74 | 60.75 | 60.73 | 60.72 | 60.74 | 60.73 | 60.74 | 60.72 | 60.73 |
| 60.0 | 54.80 | 54.83 | 54.82 | 54.81 | 54.81 | 54.83 | 54.81 | 54.83 | 54.81 | 54.81 |
| 63.0 | 48.74 | 48.76 | 48.76 | 48.75 | 48.74 | 48.75 | 48.77 | 48.75 | 48.74 | 48.75 |
| 66.0 | 42.56 | 42.56 | 42.57 | 42.55 | 42.57 | 42.57 | 42.60 | 42.57 | 42.57 | 42.55 |
| 69.0 | 36.22 | 36.30 | 36.32 | 36.30 | 36.32 | 36.33 | 36.35 | 36.33 | 36.32 | 36.30 |
| 72.0 | 29.98 | 30.02 | 30.04 | 30.03 | 30.05 | 30.06 | 30.07 | 30.06 | 30.05 | 30.03 |
| 75.0 | 23.78 | 23.81 | 23.83 | 23.81 | 23.85 | 23.86 | 23.88 | 23.86 | 23.85 | 23.81 |
| 78.0 | 17.77 | 17.79 | 17.84 | 17.82 | 17.85 | 17.85 | 17.85 | 17.85 | 17.85 | 17.82 |
| 81.0 | 12.19 | 12.22 | 12.29 | 12.25 | 12.28 | 12.29 | 12.28 | 12.29 | 12.28 | 12.25 |
| 84.0 | 7.440 | 7.471 | 7.563 | 7.491 | 7.539 | 7.533 | 7.539 | 7.533 | 7.539 | 7.491 |
| 87.0 | 4.123 | 4.121 | 4.239 | 4.103 | 4.158 | 4.179 | 4.164 | 4.179 | 4.158 | 4.103 |
| 90.0 | 2.336 | 2.364 | 2.449 | 2.364 | 2.398 | 2.382 | 2.357 | 2.382 | 2.398 | 2.364 |
| 93.0 | 1.759 | 1.749 | 1.773 | 1.720 | 1.739 | 1.727 | 1.738 | 1.727 | 1.739 | 1.720 |
| 96.0 | 1.548 | 1.546 | 1.547 | 1.512 | 1.518 | 1.508 | 1.514 | 1.508 | 1.518 | 1.512 |
| 99.0 | 1.452 | 1.434 | 1.425 | 1.398 | 1.391 | 1.373 | 1.364 | 1.373 | 1.391 | 1.398 |
| 102.0 | 1.386 | 1.394 | 1.370 | 1.324 | 1.316 | 1.293 | 1.272 | 1.293 | 1.316 | 1.324 |
| 105.0 | 1.369 | 1.383 | 1.352 | 1.301 | 1.272 | 1.259 | 1.237 | 1.259 | 1.272 | 1.301 |
| 108.0 | 1.377 | 1.379 | 1.356 | 1.288 | 1.242 | 1.244 | 1.215 | 1.244 | 1.242 | 1.288 |
| 111.0 | 1.391 | 1.383 | 1.363 | 1.290 | 1.244 | 1.240 | 1.198 | 1.240 | 1.244 | 1.290 |
| 114.0 | 1.386 | 1.396 | 1.374 | 1.288 | 1.255 | 1.224 | 1.211 | 1.224 | 1.255 | 1.288 |
| 117.0 | 1.404 | 1.405 | 1.376 | 1.301 | 1.266 | 1.213 | 1.220 | 1.213 | 1.266 | 1.301 |
| 120.0 | 1.404 | 1.412 | 1.383 | 1.297 | 1.279 | 1.235 | 1.228 | 1.235 | 1.279 | 1.297 |
| 123.0 | 1.404 | 1.420 | 1.385 | 1.295 | 1.290 | 1.246 | 1.242 | 1.246 | 1.290 | 1.295 |
| 126.0 | 1.413 | 1.423 | 1.387 | 1.328 | 1.305 | 1.259 | 1.250 | 1.259 | 1.305 | 1.328 |
| 129.0 | 1.404 | 1.427 | 1.392 | 1.332 | 1.321 | 1.268 | 1.268 | 1.268 | 1.321 | 1.332 |
| 132.0 | 1.408 | 1.425 | 1.394 | 1.343 | 1.329 | 1.281 | 1.281 | 1.281 | 1.329 | 1.343 |
| 135.0 | 1.404 | 1.427 | 1.390 | 1.341 | 1.327 | 1.294 | 1.294 | 1.294 | 1.327 | 1.341 |
| 138.0 | 1.412 | 1.414 | 1.388 | 1.347 | 1.330 | 1.301 | 1.299 | 1.301 | 1.330 | 1.347 |
| 141.0 | 1.399 | 1.414 | 1.387 | 1.354 | 1.336 | 1.310 | 1.307 | 1.310 | 1.336 | 1.354 |
| 144.0 | 1.395 | 1.409 | 1.387 | 1.354 | 1.334 | 1.314 | 1.312 | 1.314 | 1.334 | 1.354 |
| 147.0 | 1.391 | 1.398 | 1.379 | 1.348 | 1.329 | 1.316 | 1.316 | 1.316 | 1.329 | 1.348 |
| 150.0 | 1.386 | 1.392 | 1.376 | 1.350 | 1.327 | 1.312 | 1.312 | 1.312 | 1.327 | 1.350 |
| 153.0 | 1.377 | 1.381 | 1.374 | 1.343 | 1.316 | 1.308 | 1.312 | 1.308 | 1.316 | 1.343 |
| 156.0 | 1.364 | 1.361 | 1.397 | 1.330 | 1.312 | 1.305 | 1.303 | 1.305 | 1.312 | 1.330 |
| 159.0 | 1.347 | 1.339 | 1.324 | 1.310 | 1.301 | 1.299 | 1.298 | 1.299 | 1.301 | 1.310 |
| 162.0 | 1.320 | 1.324 | 1.289 | 1.291 | 1.279 | 1.281 | 1.277 | 1.281 | 1.279 | 1.291 |
| 165.0 | 1.290 | 1.282 | 1.262 | 1.269 | 1.261 | 1.266 | 1.263 | 1.266 | 1.261 | 1.269 |
| 168.0 | 1.255 | 1.240 | 1.234 | 1.231 | 1.220 | 1.213 | 1.215 | 1.213 | 1.220 | 1.231 |
| 171.0 | 1.154 | 1.166 | 1.164 | 1.170 | 1.156 | 1.180 | 1.163 | 1.180 | 1.156 | 1.170 |
| 174.0 | 1.162 | 1.183 | 1.166 | 1.170 | 1.178 | 1.187 | 1.167 | 1.187 | 1.178 | 1.170 |
| 177.0 | 1.163 | 1.181 | 1.175 | 1.181 | 1.196 | 1.196 | 1.167 | 1.196 | 1.196 | 1.181 |
| 180.0 | 1.198 | 1.196 | 1.188 | 1.198 | 1.196 | 1.209 | 1.198 | 1.209 | 1.196 | 1.198 |
| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
| 0.0 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 | 124.8 |
| 3.0 | 124.6 | 124.6 | 124.6 | 124.6 | 124.6 | 124.6 | 124.5 | 124.6 | 124.5 | 124.6 |
| 6.0 | 123.9 | 124.0 | 123.9 | 124.0 | 123.9 | 124.0 | 123.9 | 123.9 | 123.9 | 123.9 |
| 9.0 | 122.9 | 122.9 | 122.9 | 122.9 | 122.9 | 122.7 | 122.9 | 122.9 | 122.9 | 122.9 |
| 12.0 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 121.4 | 121.5 |
| 15.0 | 119.7 | 119.7 | 119.6 | 119.7 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 | 119.6 |
| 18.0 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 | 117.4 |
| 21.0 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 | 114.8 |
| 24.0 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.8 | 111.9 |
| 27.0 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.5 | 108.6 |
| 30.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 105.0 | 104.9 | 105.0 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 33.0 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.0 | 101.0 | 101.0 |
| 36.0 | 96.91 | 96.90 | 96.91 | 96.90 | 96.91 | 96.87 | 96.85 | 96.84 | 96.83 | 96.84 |
| 39.0 | 92.42 | 92.41 | 92.41 | 92.41 | 92.42 | 92.38 | 92.37 | 92.35 | 92.34 | 92.35 |
| 42.0 | 87.69 | 87.68 | 87.68 | 87.68 | 87.69 | 87.64 | 87.63 | 87.63 | 87.60 | 87.63 |
| 45.0 | 82.71 | 82.70 | 82.71 | 82.70 | 82.71 | 82.68 | 82.67 | 82.65 | 82.66 | 82.65 |
| 48.0 | 77.51 | 77.50 | 77.51 | 77.50 | 77.51 | 77.48 | 77.47 | 77.46 | 77.47 | 77.46 |
| 51.0 | 72.12 | 72.11 | 72.09 | 72.11 | 72.12 | 72.09 | 72.08 | 72.08 | 72.05 | 72.08 |
| 54.0 | 66.53 | 66.53 | 66.52 | 66.53 | 66.53 | 66.51 | 66.49 | 66.49 | 66.46 | 66.49 |
| 57.0 | 60.75 | 60.74 | 60.72 | 60.74 | 60.75 | 60.73 | 60.72 | 60.74 | 60.73 | 60.74 |
| 60.0 | 54.82 | 54.83 | 54.80 | 54.83 | 54.82 | 54.81 | 54.81 | 54.83 | 54.81 | 54.83 |
| 63.0 | 48.76 | 48.76 | 48.74 | 48.76 | 48.76 | 48.75 | 48.74 | 48.75 | 48.77 | 48.75 |
| 66.0 | 42.57 | 42.56 | 42.56 | 42.56 | 42.57 | 42.55 | 42.57 | 42.57 | 42.60 | 42.57 |
| 69.0 | 36.32 | 36.30 | 36.22 | 36.30 | 36.32 | 36.30 | 36.32 | 36.33 | 36.35 | 36.33 |
| 72.0 | 30.04 | 30.02 | 29.98 | 30.02 | 30.04 | 30.03 | 30.05 | 30.06 | 30.07 | 30.06 |
| 75.0 | 23.83 | 23.81 | 23.78 | 23.81 | 23.83 | 23.81 | 23.85 | 23.86 | 23.88 | 23.86 |
| 78.0 | 17.84 | 17.79 | 17.77 | 17.79 | 17.84 | 17.82 | 17.85 | 17.85 | 17.85 | 17.85 |
| 81.0 | 12.29 | 12.22 | 12.19 | 12.22 | 12.29 | 12.25 | 12.28 | 12.29 | 12.28 | 12.29 |
| 84.0 | 7.563 | 7.471 | 7.440 | 7.471 | 7.563 | 7.491 | 7.539 | 7.533 | 7.539 | 7.533 |
| 87.0 | 4.239 | 4.121 | 4.123 | 4.121 | 4.239 | 4.103 | 4.158 | 4.179 | 4.164 | 4.179 |
| 90.0 | 2.449 | 2.364 | 2.336 | 2.364 | 2.449 | 2.364 | 2.398 | 2.382 | 2.357 | 2.382 |
| 93.0 | 1.773 | 1.749 | 1.759 | 1.749 | 1.773 | 1.720 | 1.739 | 1.727 | 1.738 | 1.727 |
| 96.0 | 1.547 | 1.546 | 1.548 | 1.546 | 1.547 | 1.512 | 1.518 | 1.508 | 1.514 | 1.508 |
| 99.0 | 1.425 | 1.434 | 1.452 | 1.434 | 1.425 | 1.398 | 1.391 | 1.373 | 1.364 | 1.373 |
| 102.0 | 1.370 | 1.394 | 1.386 | 1.394 | 1.370 | 1.324 | 1.316 | 1.293 | 1.272 | 1.293 |
| 105.0 | 1.352 | 1.383 | 1.369 | 1.383 | 1.352 | 1.301 | 1.272 | 1.259 | 1.237 | 1.259 |
| 108.0 | 1.356 | 1.379 | 1.377 | 1.379 | 1.356 | 1.288 | 1.242 | 1.244 | 1.215 | 1.244 |
| 111.0 | 1.363 | 1.383 | 1.391 | 1.383 | 1.363 | 1.290 | 1.244 | 1.240 | 1.198 | 1.240 |
| 114.0 | 1.374 | 1.396 | 1.386 | 1.396 | 1.374 | 1.288 | 1.255 | 1.224 | 1.211 | 1.224 |
| 117.0 | 1.376 | 1.405 | 1.404 | 1.405 | 1.376 | 1.301 | 1.266 | 1.213 | 1.220 | 1.213 |
| 120.0 | 1.383 | 1.412 | 1.404 | 1.412 | 1.383 | 1.297 | 1.279 | 1.235 | 1.228 | 1.235 |
| 123.0 | 1.385 | 1.420 | 1.404 | 1.420 | 1.385 | 1.295 | 1.290 | 1.246 | 1.242 | 1.246 |
| 126.0 | 1.387 | 1.423 | 1.413 | 1.423 | 1.387 | 1.328 | 1.305 | 1.259 | 1.250 | 1.259 |
| 129.0 | 1.392 | 1.427 | 1.404 | 1.427 | 1.392 | 1.332 | 1.321 | 1.268 | 1.268 | 1.268 |
| 132.0 | 1.394 | 1.425 | 1.408 | 1.425 | 1.394 | 1.343 | 1.329 | 1.281 | 1.281 | 1.281 |
| 135.0 | 1.390 | 1.427 | 1.404 | 1.427 | 1.390 | 1.341 | 1.327 | 1.294 | 1.294 | 1.294 |
| 138.0 | 1.388 | 1.414 | 1.412 | 1.414 | 1.388 | 1.347 | 1.330 | 1.301 | 1.299 | 1.301 |
| 141.0 | 1.387 | 1.414 | 1.399 | 1.414 | 1.387 | 1.354 | 1.336 | 1.310 | 1.307 | 1.310 |
| 144.0 | 1.387 | 1.409 | 1.395 | 1.409 | 1.387 | 1.354 | 1.334 | 1.314 | 1.312 | 1.314 |
| 147.0 | 1.379 | 1.398 | 1.391 | 1.398 | 1.379 | 1.348 | 1.329 | 1.316 | 1.316 | 1.316 |
| 150.0 | 1.376 | 1.392 | 1.386 | 1.392 | 1.376 | 1.350 | 1.327 | 1.312 | 1.312 | 1.312 |
| 153.0 | 1.374 | 1.381 | 1.377 | 1.381 | 1.374 | 1.343 | 1.316 | 1.308 | 1.312 | 1.308 |
| 156.0 | 1.397 | 1.361 | 1.364 | 1.361 | 1.397 | 1.330 | 1.312 | 1.305 | 1.303 | 1.305 |
| 159.0 | 1.324 | 1.339 | 1.347 | 1.339 | 1.324 | 1.310 | 1.301 | 1.299 | 1.298 | 1.299 |
| 162.0 | 1.289 | 1.324 | 1.320 | 1.324 | 1.289 | 1.291 | 1.279 | 1.281 | 1.277 | 1.281 |
| 165.0 | 1.262 | 1.282 | 1.290 | 1.282 | 1.262 | 1.269 | 1.261 | 1.266 | 1.263 | 1.266 |
| 168.0 | 1.234 | 1.240 | 1.255 | 1.240 | 1.234 | 1.231 | 1.220 | 1.213 | 1.215 | 1.213 |
| 171.0 | 1.164 | 1.166 | 1.154 | 1.166 | 1.164 | 1.170 | 1.156 | 1.180 | 1.163 | 1.180 |
| 174.0 | 1.166 | 1.183 | 1.162 | 1.183 | 1.166 | 1.170 | 1.178 | 1.187 | 1.167 | 1.187 |
| 177.0 | 1.175 | 1.181 | 1.163 | 1.181 | 1.175 | 1.181 | 1.196 | 1.196 | 1.167 | 1.196 |
| 180.0 | 1.188 | 1.196 | 1.198 | 1.196 | 1.188 | 1.198 | 1.196 | 1.209 | 1.198 | 1.209 |
| G/C | 300.0 | 315.0 | 330.0 | 345.0 | | | | | | |
| 0.0 | 124.8 | 124.8 | 124.8 | 124.8 | | | | | | |
| 3.0 | 124.5 | 124.6 | 124.6 | 124.6 | | | | | | |
| 6.0 | 123.9 | 124.0 | 123.9 | 124.0 | | | | | | |
| 9.0 | 122.9 | 122.7 | 122.9 | 122.9 | | | | | | |
| 12.0 | 121.5 | 121.5 | 121.5 | 121.5 | | | | | | |
| 15.0 | 119.6 | 119.6 | 119.7 | 119.7 | | | | | | |
| 18.0 | 117.4 | 117.4 | 117.4 | 117.4 | | | | | | |
| 21.0 | 114.8 | 114.8 | 114.8 | 114.8 | | | | | | |
| 24.0 | 111.9 | 111.9 | 111.9 | 111.9 | | | | | | |
| 27.0 | 108.6 | 108.6 | 108.6 | 108.6 | | | | | | |
| 30.0 | 105.0 | 105.0 | 105.0 | 105.0 | | | | | | |
| 33.0 | 101.1 | 101.1 | 101.1 | 101.1 | | | | | | |
| 36.0 | 96.85 | 96.87 | 96.91 | 96.90 | | | | | | |
| 39.0 | 92.37 | 92.38 | 92.42 | 92.41 | | | | | | |
| 42.0 | 87.63 | 87.64 | 87.69 | 87.68 | | | | | | |
| 45.0 | 82.67 | 82.68 | 82.71 | 82.70 | | | | | | |
| 48.0 | 77.47 | 77.48 | 77.51 | 77.50 | | | | | | |
| 51.0 | 72.08 | 72.09 | 72.12 | 72.11 | | | | | | |
| 54.0 | 66.49 | 66.51 | 66.53 | 66.53 | | | | | | |
| 57.0 | 60.72 | 60.73 | 60.75 | 60.74 | | | | | | |
| 60.0 | 54.81 | 54.81 | 54.82 | 54.83 | | | | | | |
| 63.0 | 48.74 | 48.75 | 48.76 | 48.76 | | | | | | |
| 66.0 | 42.57 | 42.55 | 42.57 | 42.56 | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [K=1.0000]
 Remarks:

Photometric Data Table [cd]

| | | | | |
|-------|-------|-------|-------|-------|
| 69.0 | 36.32 | 36.30 | 36.32 | 36.30 |
| 72.0 | 30.05 | 30.03 | 30.04 | 30.02 |
| 75.0 | 23.85 | 23.81 | 23.83 | 23.81 |
| 78.0 | 17.85 | 17.82 | 17.84 | 17.79 |
| 81.0 | 12.28 | 12.25 | 12.29 | 12.22 |
| 84.0 | 7.539 | 7.491 | 7.563 | 7.471 |
| 87.0 | 4.158 | 4.103 | 4.239 | 4.121 |
| 90.0 | 2.398 | 2.364 | 2.449 | 2.364 |
| 93.0 | 1.739 | 1.720 | 1.773 | 1.749 |
| 96.0 | 1.518 | 1.512 | 1.547 | 1.546 |
| 99.0 | 1.391 | 1.398 | 1.425 | 1.434 |
| 102.0 | 1.316 | 1.324 | 1.370 | 1.394 |
| 105.0 | 1.272 | 1.301 | 1.352 | 1.383 |
| 108.0 | 1.242 | 1.288 | 1.356 | 1.379 |
| 111.0 | 1.244 | 1.290 | 1.363 | 1.383 |
| 114.0 | 1.255 | 1.288 | 1.374 | 1.396 |
| 117.0 | 1.266 | 1.301 | 1.376 | 1.405 |
| 120.0 | 1.279 | 1.297 | 1.383 | 1.412 |
| 123.0 | 1.290 | 1.295 | 1.385 | 1.420 |
| 126.0 | 1.305 | 1.328 | 1.387 | 1.423 |
| 129.0 | 1.321 | 1.332 | 1.392 | 1.427 |
| 132.0 | 1.329 | 1.343 | 1.394 | 1.425 |
| 135.0 | 1.327 | 1.341 | 1.390 | 1.427 |
| 138.0 | 1.330 | 1.347 | 1.388 | 1.414 |
| 141.0 | 1.336 | 1.354 | 1.387 | 1.414 |
| 144.0 | 1.334 | 1.354 | 1.387 | 1.409 |
| 147.0 | 1.329 | 1.348 | 1.379 | 1.398 |
| 150.0 | 1.327 | 1.350 | 1.376 | 1.392 |
| 153.0 | 1.316 | 1.343 | 1.374 | 1.381 |
| 156.0 | 1.312 | 1.330 | 1.397 | 1.361 |
| 159.0 | 1.301 | 1.310 | 1.324 | 1.339 |
| 162.0 | 1.279 | 1.291 | 1.289 | 1.324 |
| 165.0 | 1.261 | 1.269 | 1.262 | 1.282 |
| 168.0 | 1.220 | 1.231 | 1.234 | 1.240 |
| 171.0 | 1.156 | 1.170 | 1.164 | 1.166 |
| 174.0 | 1.178 | 1.170 | 1.166 | 1.183 |
| 177.0 | 1.196 | 1.181 | 1.175 | 1.181 |
| 180.0 | 1.196 | 1.198 | 1.188 | 1.196 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2021-03-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 11.600m [K=1.0000]
 Remarks: