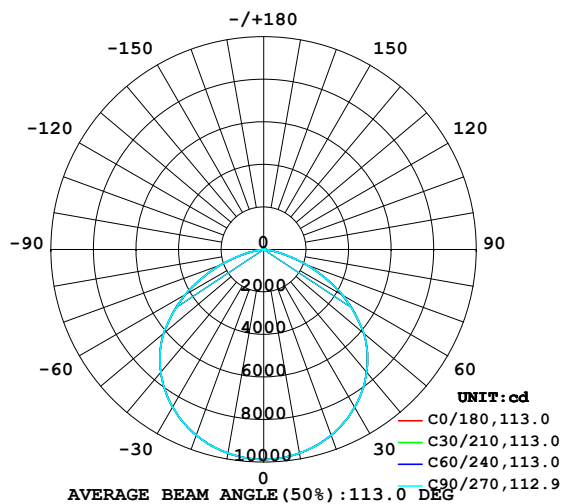


LUMINAIRE PHOTOMETRIC TEST REPORT

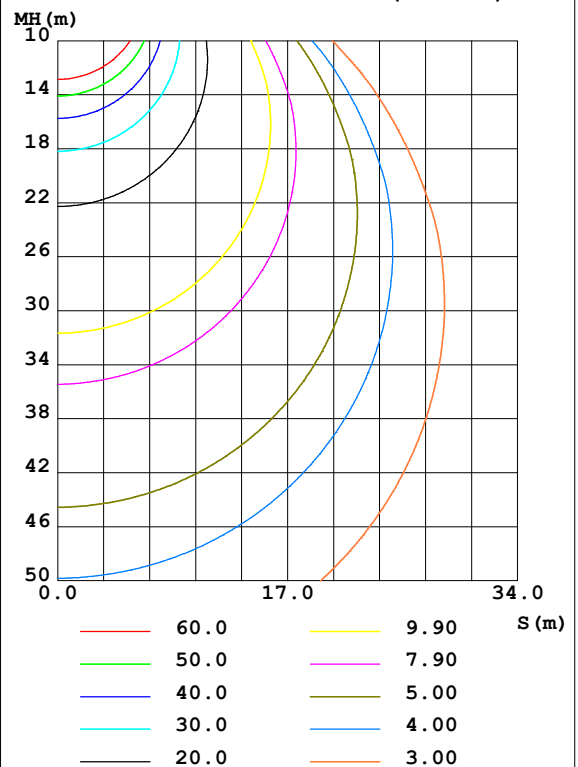
| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 185.02 lm/W | | | |
|-------------------|---------|-----------------------------------|--------|---------------------|-----------|
| MODEL | | I _{max} (cd) | 9878 | S/MH (C0/180) | 1.29 |
| NOMINAL POWER (W) | 150 | LOR (%) | 100.0 | S/MH (C90/270) | 1.29 |
| RATED VOLTAGE (V) | 230 | TOTAL FLUX (lm) | 27649 | η UP, DN (C0-180) | 0.5, 49.5 |
| NOMINAL FLUX (lm) | 27649.3 | CIE CLASS | DIRECT | η UP, DN (C180-360) | 0.5, 49.5 |
| LAMPS INSIDE | 1 | η up (%) | 1.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | 230 | η down (%) | 99.0 | 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: 2020-04-03

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 | 9724 | 9724 | 9723 | 9724 | 9724 | 9724 | 9723 | 9724 | 0- 10 | 935.2 | 935.2 | 3.38, 3.38 |
| 20 | 9291 | 9291 | 9290 | 9291 | 9291 | 9291 | 9290 | 9291 | 10- 20 | 2695 | 3630 | 13.1, 13.1 |
| 30 | 8566 | 8565 | 8564 | 8565 | 8566 | 8565 | 8564 | 8565 | 20- 30 | 4133 | 7763 | 28.1, 28.1 |
| 40 | 7533 | 7531 | 7531 | 7531 | 7533 | 7531 | 7531 | 7531 | 30- 40 | 5059 | 12822 | 46.4, 46.4 |
| 50 | 6155 | 6156 | 6159 | 6156 | 6155 | 6156 | 6159 | 6156 | 40- 50 | 5312 | 18134 | 65.6, 65.6 |
| 60 | 4281 | 4275 | 4277 | 4275 | 4281 | 4275 | 4277 | 4275 | 50- 60 | 4663 | 22797 | 82.5, 82.5 |
| 70 | 2178 | 2168 | 2164 | 2168 | 2178 | 2168 | 2164 | 2168 | 60- 70 | 3176 | 25973 | 93.9, 93.9 |
| 80 | 427.1 | 431.0 | 431.7 | 431.0 | 427.1 | 431.0 | 431.7 | 431.0 | 70- 80 | 1294 | 27267 | 98.6, 98.6 |
| 90 | 10.51 | 10.51 | 10.50 | 10.51 | 10.51 | 10.51 | 10.50 | 10.51 | 80- 90 | 118.9 | 27386 | 99, 99 |
| 100 | 18.29 | 18.31 | 18.28 | 18.31 | 18.29 | 18.31 | 18.28 | 18.31 | 90-100 | 15.39 | 27402 | 99.1, 99.1 |
| 110 | 28.59 | 28.59 | 28.55 | 28.59 | 28.59 | 28.59 | 28.55 | 28.59 | 100-110 | 24.60 | 27426 | 99.2, 99.2 |
| 120 | 39.43 | 39.46 | 39.41 | 39.46 | 39.43 | 39.46 | 39.41 | 39.46 | 110-120 | 33.70 | 27460 | 99.3, 99.3 |
| 130 | 50.10 | 50.11 | 50.08 | 50.11 | 50.10 | 50.11 | 50.08 | 50.11 | 120-130 | 40.05 | 27500 | 99.5, 99.5 |
| 140 | 60.44 | 60.40 | 60.43 | 60.40 | 60.44 | 60.40 | 60.43 | 60.40 | 130-140 | 42.73 | 27543 | 99.6, 99.6 |
| 150 | 70.38 | 70.25 | 70.22 | 70.25 | 70.38 | 70.25 | 70.22 | 70.25 | 140-150 | 40.98 | 27584 | 99.8, 99.8 |
| 160 | 78.55 | 78.41 | 78.34 | 78.41 | 78.55 | 78.41 | 78.34 | 78.41 | 150-160 | 34.35 | 27618 | 99.9, 99.9 |
| 170 | 84.80 | 84.71 | 84.65 | 84.71 | 84.80 | 84.71 | 84.65 | 84.71 | 160-170 | 23.07 | 27641 | 100, 100 |
| 180 | 87.88 | 87.76 | 87.77 | 87.76 | 87.88 | 87.76 | 87.77 | 87.76 | 170-180 | 8.216 | 27649 | 100, 100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 15495 lm

%lum = 56.0%

%lamp = 56.0%

Conical surface Flux(120deg): 22797 lm

%lum = 82.5%

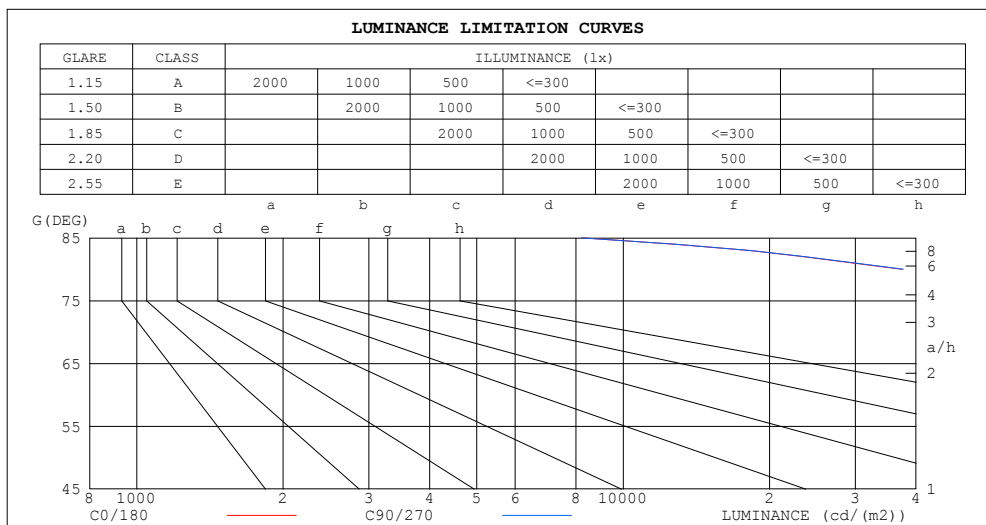
%lamp = 82.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |



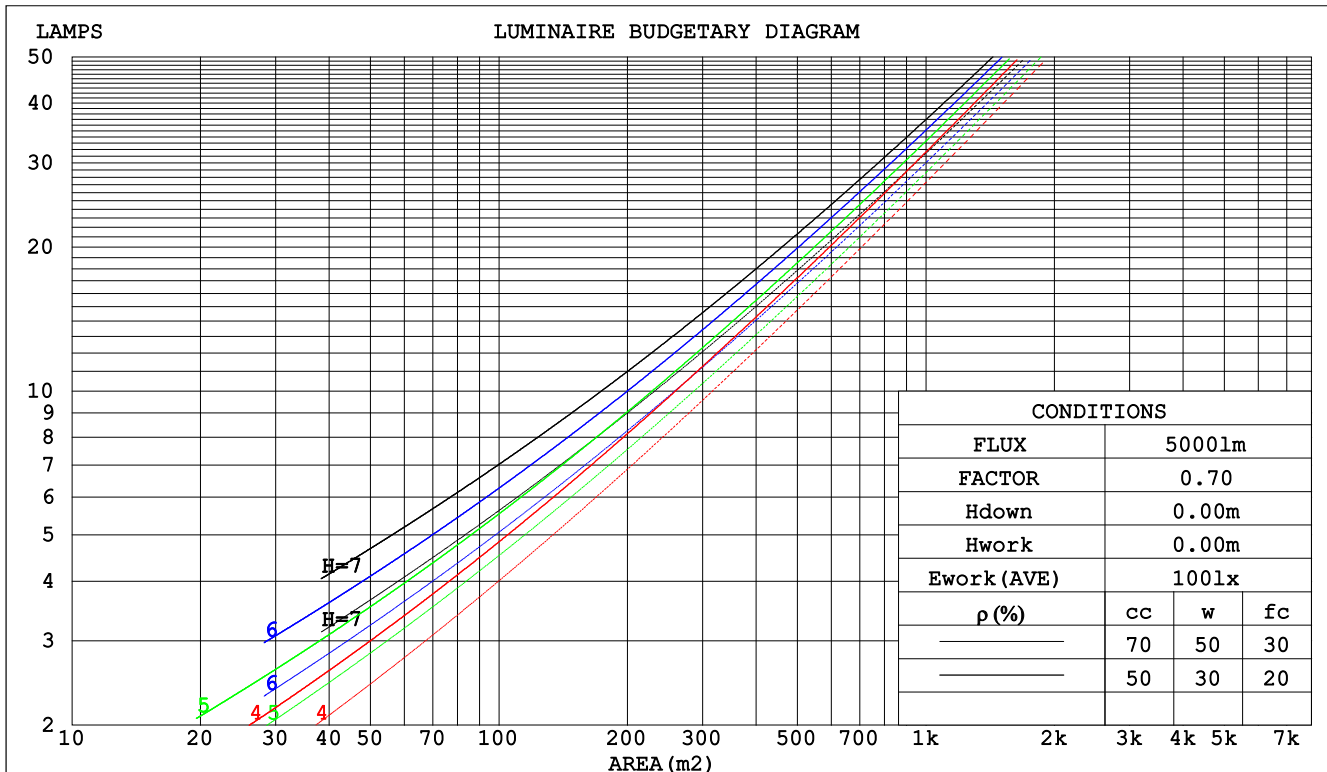
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | 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 | 1.05 | 1.01 | .98 | 1.03 | .99 | .96 | .98 | .95 | .93 | .94 | .92 | .90 | .91 | .89 | .87 | .85 |
| 2.0 | .92 | .86 | .80 | .90 | .84 | .79 | .86 | .82 | .77 | .83 | .79 | .75 | .80 | .77 | .74 | .71 |
| 3.0 | .81 | .73 | .67 | .79 | .72 | .66 | .76 | .70 | .65 | .74 | .68 | .64 | .71 | .66 | .63 | .60 |
| 4.0 | .72 | .63 | .57 | .71 | .63 | .56 | .68 | .61 | .56 | .66 | .60 | .55 | .63 | .58 | .54 | .52 |
| 5.0 | .64 | .55 | .49 | .63 | .55 | .49 | .61 | .54 | .48 | .59 | .52 | .47 | .57 | .51 | .47 | .45 |
| 6.0 | .58 | .49 | .43 | .57 | .49 | .43 | .55 | .48 | .42 | .53 | .47 | .42 | .52 | .46 | .41 | .39 |
| 7.0 | .52 | .44 | .38 | .52 | .43 | .38 | .50 | .43 | .37 | .48 | .42 | .37 | .47 | .41 | .37 | .35 |
| 8.0 | .48 | .39 | .34 | .47 | .39 | .33 | .46 | .38 | .33 | .44 | .38 | .33 | .43 | .37 | .33 | .31 |
| 9.0 | .44 | .36 | .30 | .43 | .35 | .30 | .42 | .35 | .30 | .41 | .34 | .30 | .40 | .34 | .29 | .28 |
| 10.0 | .40 | .33 | .27 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .27 | .25 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .282 | .160 | .051 | .275 | .157 | .050 | .261 | .150 | .048 | .249 | .143 | .046 | .237 | .137 | .044 | | |
| 2.0 | .274 | .150 | .046 | .267 | .147 | .045 | .255 | .142 | .044 | .244 | .137 | .043 | .234 | .132 | .042 | | |
| 3.0 | .257 | .137 | .041 | .252 | .135 | .041 | .241 | .131 | .040 | .231 | .127 | .039 | .222 | .123 | .038 | | |
| 4.0 | .240 | .125 | .037 | .235 | .123 | .036 | .226 | .120 | .036 | .217 | .116 | .035 | .209 | .113 | .035 | | |
| 5.0 | .224 | .114 | .033 | .219 | .112 | .033 | .211 | .110 | .032 | .203 | .107 | .032 | .195 | .104 | .031 | | |
| 6.0 | .208 | .105 | .030 | .205 | .103 | .030 | .197 | .101 | .029 | .190 | .099 | .029 | .183 | .097 | .029 | | |
| 7.0 | .195 | .096 | .027 | .191 | .095 | .027 | .185 | .093 | .027 | .178 | .091 | .027 | .172 | .089 | .026 | | |
| 8.0 | .183 | .089 | .025 | .179 | .088 | .025 | .173 | .087 | .025 | .168 | .085 | .024 | .162 | .083 | .024 | | |
| 9.0 | .171 | .083 | .023 | .169 | .082 | .023 | .163 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 | | |
| 10.0 | .162 | .077 | .021 | .159 | .077 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .145 | .073 | .021 | | |

| 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 | .115 | .115 | .115 | .066 | .066 | .066 | .021 | .021 | .021 | |
| 1.0 | .186 | .164 | .144 | .159 | .140 | .124 | .109 | .097 | .086 | .063 | .056 | .050 | .020 | .018 | .016 | |
| 2.0 | .177 | .139 | .108 | .152 | .120 | .093 | .104 | .083 | .065 | .060 | .048 | .038 | .019 | .016 | .012 | |
| 3.0 | .169 | .122 | .083 | .145 | .105 | .072 | .100 | .073 | .051 | .058 | .043 | .030 | .019 | .014 | .010 | |
| 4.0 | .162 | .108 | .067 | .139 | .094 | .058 | .096 | .065 | .041 | .055 | .038 | .024 | .018 | .012 | .008 | |
| 5.0 | .155 | .098 | .056 | .133 | .085 | .048 | .092 | .059 | .034 | .053 | .035 | .020 | .017 | .011 | .007 | |
| 6.0 | .148 | .089 | .047 | .127 | .077 | .041 | .088 | .054 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 7.0 | .141 | .083 | .041 | .122 | .072 | .036 | .084 | .050 | .025 | .049 | .030 | .015 | .016 | .010 | .005 | |
| 8.0 | .135 | .077 | .037 | .116 | .067 | .032 | .081 | .047 | .023 | .047 | .028 | .013 | .015 | .009 | .004 | |
| 9.0 | .129 | .072 | .033 | .111 | .062 | .029 | .077 | .044 | .020 | .045 | .026 | .012 | .015 | .008 | .004 | |
| 10.0 | .124 | .068 | .030 | .107 | .059 | .026 | .074 | .041 | .019 | .043 | .024 | .011 | .014 | .008 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-03

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

| | | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------------------|------|------|------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | | | | | | | | | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | | | | | | TYPE: | | WEIGHT: | | | |
| SPEC.: | | | | | | DIM.: | | SERIAL No.: | | | |
| MFR.: ERVAN | | | | | | SUR.: | | Shielding Angle: | | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | | |
| x = 2H y = 2H | | 18.5 | 20.0 | 18.8 | 20.2 | 20.4 | 18.5 | 20.0 | 18.8 | 20.2 | 20.4 |
| | 3H | 19.6 | 20.9 | 19.9 | 21.2 | 21.4 | 19.6 | 20.9 | 19.9 | 21.2 | 21.4 |
| | 4H | 19.9 | 21.1 | 20.2 | 21.4 | 21.7 | 19.8 | 21.1 | 20.2 | 21.4 | 21.7 |
| | 6H | 19.9 | 21.1 | 20.2 | 21.4 | 21.7 | 19.9 | 21.1 | 20.2 | 21.4 | 21.7 |
| | 8H | 19.9 | 21.0 | 20.2 | 21.3 | 21.6 | 19.9 | 21.0 | 20.2 | 21.3 | 21.6 |
| | 12H | 19.8 | 20.9 | 20.2 | 21.2 | 21.6 | 19.8 | 20.9 | 20.2 | 21.2 | 21.6 |
| 4H | 2H | 19.0 | 20.3 | 19.3 | 20.5 | 20.8 | 19.0 | 20.3 | 19.3 | 20.5 | 20.8 |
| | 3H | 20.2 | 21.3 | 20.6 | 21.6 | 22.0 | 20.2 | 21.3 | 20.6 | 21.6 | 21.9 |
| | 4H | 20.6 | 21.6 | 20.9 | 21.9 | 22.3 | 20.5 | 21.6 | 20.9 | 21.9 | 22.2 |
| | 6H | 20.7 | 21.5 | 21.1 | 21.9 | 22.3 | 20.6 | 21.5 | 21.1 | 21.9 | 22.3 |
| | 8H | 20.6 | 21.5 | 21.1 | 21.8 | 22.2 | 20.6 | 21.5 | 21.0 | 21.8 | 22.2 |
| | 12H | 20.6 | 21.3 | 21.0 | 21.7 | 22.2 | 20.6 | 21.3 | 21.0 | 21.7 | 22.2 |
| 8H | 4H | 20.6 | 21.5 | 21.1 | 21.8 | 22.2 | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 |
| | 6H | 20.8 | 21.5 | 21.2 | 21.9 | 22.3 | 20.8 | 21.4 | 21.2 | 21.9 | 22.3 |
| | 8H | 20.8 | 21.4 | 21.2 | 21.8 | 22.3 | 20.8 | 21.4 | 21.2 | 21.8 | 22.3 |
| | 12H | 20.7 | 21.2 | 21.2 | 21.7 | 22.2 | 20.7 | 21.2 | 21.2 | 21.7 | 22.2 |
| 12H | 4H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 20.6 | 21.3 | 21.0 | 21.7 | 22.2 |
| | 6H | 20.7 | 21.3 | 21.2 | 21.8 | 22.3 | 20.7 | 21.3 | 21.2 | 21.8 | 22.3 |
| | 8H | 20.7 | 21.3 | 21.2 | 21.7 | 22.2 | 20.7 | 21.3 | 21.2 | 21.7 | 22.2 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | | |
| 1.5H | + 0.2 / - 0.5 | | | | | + 0.2 / - 0.5 | | | | | |
| 2.0H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | | |

CIE Pub.117, 27649 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

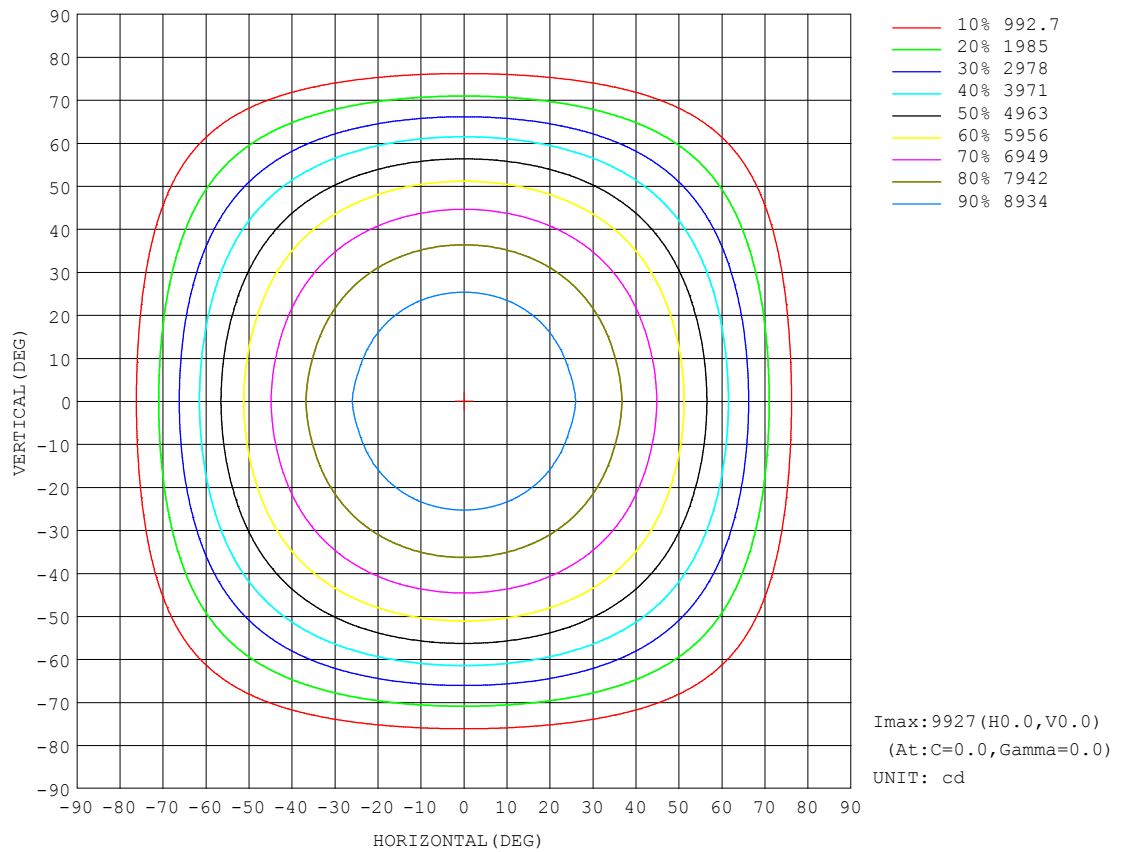
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 58 | 47 | 40 | 57 | 46 | 40 | 56 | 46 | 40 | 33 |
| 0.80 | 69 | 57 | 50 | 68 | 57 | 50 | 66 | 56 | 49 | 43 |
| 1.00 | 77 | 67 | 59 | 76 | 66 | 59 | 74 | 67 | 59 | 52 |
| 1.25 | 85 | 74 | 68 | 83 | 74 | 67 | 80 | 72 | 66 | 59 |
| 1.50 | 90 | 80 | 73 | 88 | 79 | 73 | 85 | 77 | 72 | 64 |
| 2.00 | 96 | 88 | 82 | 94 | 87 | 81 | 91 | 85 | 80 | 72 |
| 2.50 | 100 | 93 | 87 | 98 | 91 | 86 | 94 | 89 | 84 | 76 |
| 3.00 | 103 | 97 | 92 | 101 | 95 | 91 | 97 | 92 | 88 | 80 |
| 4.00 | 107 | 102 | 98 | 105 | 100 | 96 | 100 | 97 | 93 | 84 |
| 5.00 | 109 | 105 | 101 | 107 | 103 | 100 | 102 | 99 | 96 | 87 |
| 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: 2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

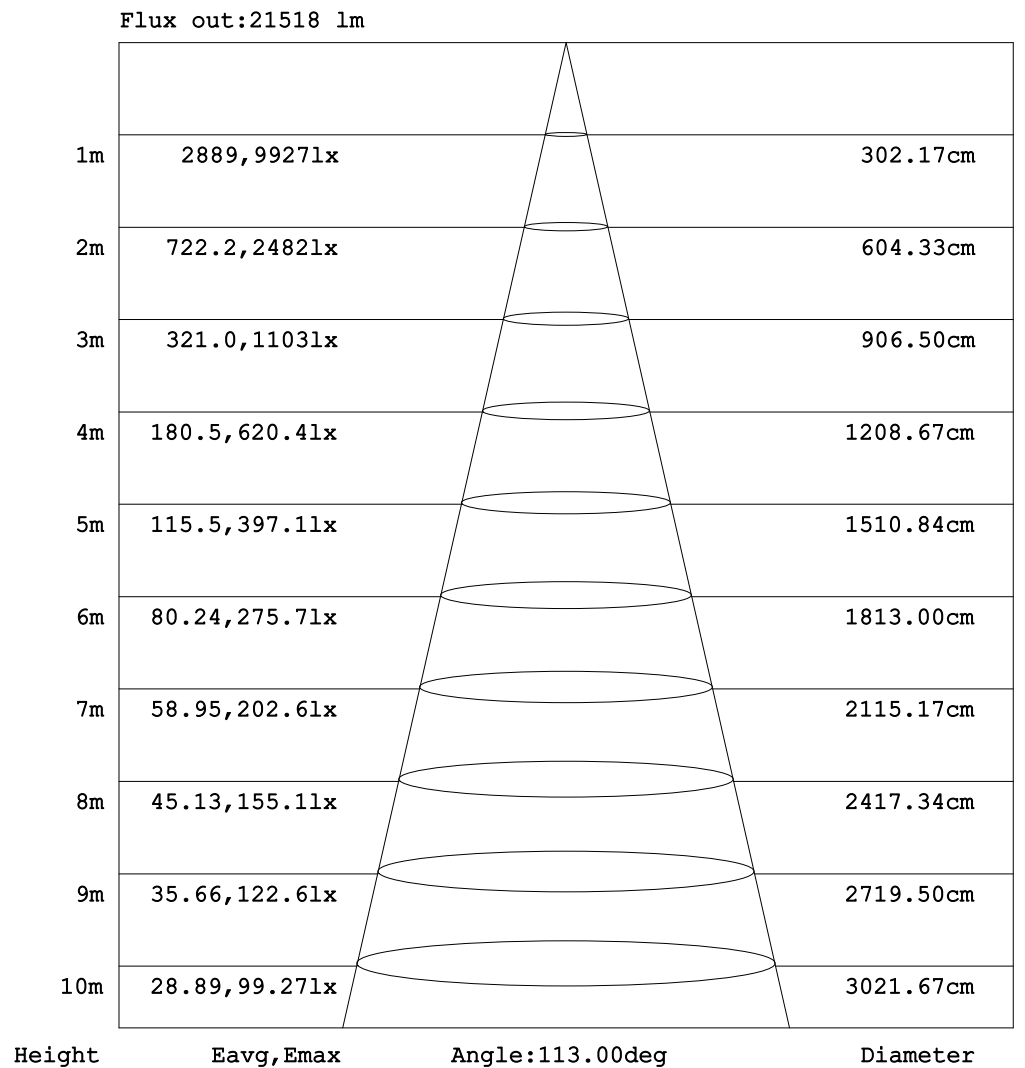


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |



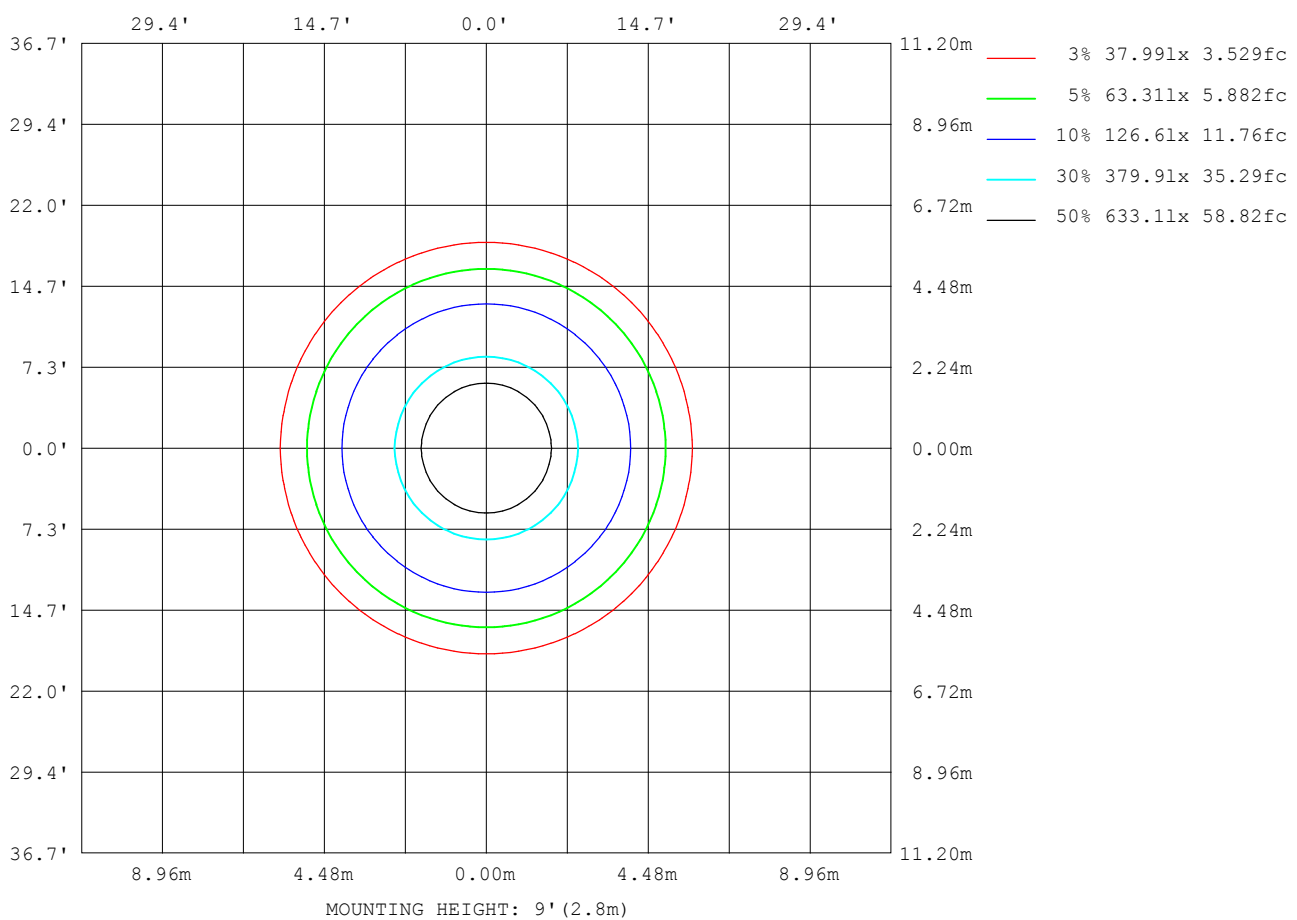
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 2020-04-03

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:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

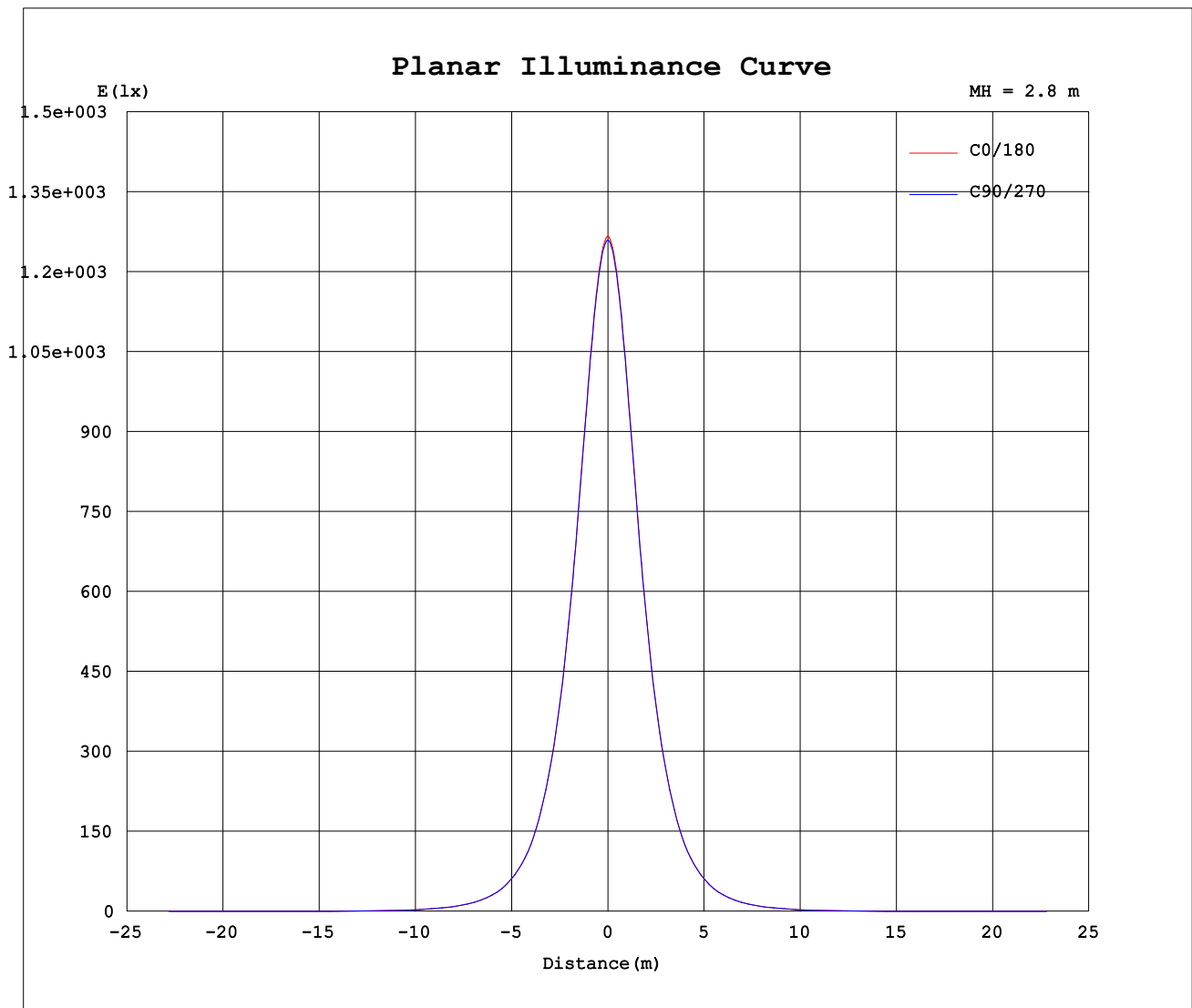
| AvgL | cd/m2 |
|------------------|--------|
| L_0~180 (65) av | 115140 |
| L_0~180 (75) av | 69730 |
| L_0~180 (85) av | 8231 |
| L_90~270 (65) av | 114825 |
| L_90~270 (75) av | 70213 |
| L_90~270 (85) av | 8206 |
| L_45 (65) av | 114794 |
| L_45 (75) av | 69792 |
| L_45 (85) av | 8161 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-03

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: 2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 |
| 5 | 9834 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 | 9834 | 9833 | 9833 | 9833 | 9833 | 9833 | 9833 |
| 10 | 9724 | 9723 | 9723 | 9724 | 9723 | 9723 | 9723 | 9723 | 9723 | 9724 | 9723 | 9723 | 9724 | 9723 | 9723 | 9724 | 9723 | 9723 | 9723 |
| 15 | 9544 | 9544 | 9544 | 9544 | 9543 | 9544 | 9544 | 9544 | 9543 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9543 | 9544 | 9544 |
| 20 | 9291 | 9290 | 9290 | 9291 | 9290 | 9291 | 9290 | 9291 | 9290 | 9291 | 9290 | 9290 | 9291 | 9290 | 9290 | 9291 | 9290 | 9291 | 9290 |
| 25 | 8965 | 8964 | 8963 | 8965 | 8965 | 8965 | 8964 | 8965 | 8965 | 8965 | 8963 | 8964 | 8965 | 8964 | 8963 | 8965 | 8965 | 8965 | 8964 |
| 30 | 8566 | 8564 | 8563 | 8565 | 8565 | 8565 | 8564 | 8565 | 8565 | 8565 | 8563 | 8564 | 8566 | 8564 | 8563 | 8565 | 8565 | 8565 | 8564 |
| 35 | 8090 | 8088 | 8088 | 8088 | 8089 | 8088 | 8089 | 8088 | 8089 | 8088 | 8088 | 8088 | 8090 | 8088 | 8088 | 8088 | 8089 | 8088 | 8089 |
| 40 | 7533 | 7532 | 7532 | 7531 | 7531 | 7531 | 7531 | 7531 | 7531 | 7531 | 7532 | 7532 | 7533 | 7532 | 7532 | 7531 | 7531 | 7531 | 7531 |
| 45 | 6897 | 6897 | 6897 | 6895 | 6895 | 6897 | 6897 | 6897 | 6895 | 6895 | 6897 | 6897 | 6897 | 6897 | 6897 | 6895 | 6895 | 6897 | 6897 |
| 50 | 6155 | 6157 | 6157 | 6156 | 6154 | 6158 | 6159 | 6158 | 6154 | 6156 | 6157 | 6157 | 6155 | 6157 | 6157 | 6156 | 6154 | 6158 | 6159 |
| 55 | 5218 | 5213 | 5210 | 5214 | 5216 | 5212 | 5211 | 5212 | 5216 | 5214 | 5210 | 5213 | 5218 | 5213 | 5210 | 5214 | 5216 | 5212 | 5211 |
| 60 | 4281 | 4276 | 4277 | 4275 | 4275 | 4277 | 4277 | 4277 | 4275 | 4275 | 4277 | 4276 | 4281 | 4276 | 4277 | 4275 | 4275 | 4277 | 4277 |
| 65 | 3212 | 3206 | 3201 | 3202 | 3205 | 3204 | 3203 | 3204 | 3205 | 3202 | 3201 | 3206 | 3212 | 3206 | 3201 | 3202 | 3205 | 3204 | 3203 |
| 70 | 2178 | 2168 | 2177 | 2168 | 2171 | 2173 | 2164 | 2173 | 2171 | 2168 | 2177 | 2168 | 2178 | 2168 | 2177 | 2168 | 2171 | 2173 | 2164 |
| 75 | 1191 | 1192 | 1192 | 1192 | 1195 | 1195 | 1199 | 1195 | 1195 | 1192 | 1192 | 1192 | 1191 | 1192 | 1192 | 1192 | 1195 | 1195 | 1199 |
| 80 | 427 | 426 | 428 | 431 | 431 | 431 | 432 | 431 | 431 | 431 | 428 | 426 | 427 | 426 | 428 | 431 | 431 | 431 | 432 |
| 85 | 47.3 | 47.5 | 46.7 | 46.9 | 47.1 | 47.2 | 47.2 | 47.2 | 47.1 | 46.9 | 46.7 | 47.5 | 47.3 | 47.5 | 46.7 | 46.9 | 47.1 | 47.2 | 47.2 |
| 90 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 95 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 100 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 105 | 23.3 | 23.2 | 23.2 | 23.3 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.3 | 23.2 | 23.2 | 23.3 | 23.2 | 23.2 | 23.3 | 23.2 | 23.2 | 23.2 |
| 110 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| 115 | 34.1 | 34.1 | 34.0 | 34.1 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.1 | 34.0 | 34.1 | 34.1 | 34.1 | 34.0 | 34.1 | 34.0 | 34.0 | 34.0 |
| 120 | 39.4 | 39.5 | 39.2 | 39.5 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.2 | 39.5 | 39.4 | 39.5 | 39.2 | 39.5 | 39.4 | 39.4 | 39.4 |
| 125 | 44.7 | 44.7 | 44.7 | 44.8 | 44.7 | 44.8 | 44.7 | 44.8 | 44.7 | 44.8 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.8 | 44.7 | 44.8 | 44.7 |
| 130 | 50.1 | 50.1 | 50.0 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.0 | 50.1 | 50.1 | 50.1 | 50.0 | 50.1 | 50.1 | 50.1 | 50.1 |
| 135 | 55.5 | 55.4 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.3 | 55.4 | 55.5 | 55.4 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 |
| 140 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 145 | 65.7 | 65.5 | 65.4 | 65.5 | 65.5 | 65.4 | 65.5 | 65.4 | 65.5 | 65.5 | 65.4 | 65.5 | 65.7 | 65.5 | 65.4 | 65.5 | 65.5 | 65.4 | 65.5 |
| 150 | 70.4 | 70.3 | 70.2 | 70.2 | 70.3 | 70.2 | 70.2 | 70.2 | 70.3 | 70.2 | 70.2 | 70.3 | 70.4 | 70.3 | 70.2 | 70.2 | 70.3 | 70.2 | 70.2 |
| 155 | 74.6 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 160 | 78.5 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.3 |
| 165 | 81.9 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.7 |
| 170 | 84.8 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 175 | 86.8 | 86.7 | 86.7 | 86.8 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.7 | 86.7 | 86.8 | 86.7 | 86.7 | 86.8 | 86.7 | 86.7 | 86.7 |
| 180 | 87.9 | 87.6 | 87.7 | 87.8 | 87.7 | 87.8 | 87.8 | 87.8 | 87.7 | 87.8 | 87.7 | 87.6 | 87.9 | 87.6 | 87.7 | 87.8 | 87.7 | 87.8 | 87.8 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:2020-04-03

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

| | | |
|--|-------|------------------|
| Test:U:230.4V I:0.6808A P:149.4W PF:0.9528 Freq:49.99Hz Lamp Flux:27649.3x1 lm | | |
| NAME: H03DGC-15-R380-B0-40G-R7 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ERVAN | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 9878 | 9878 | 9878 | 9878 | 9878 | | | | | | | | | | | | | |
| 5 | 9833 | 9833 | 9833 | 9833 | 9833 | | | | | | | | | | | | | |
| 10 | 9723 | 9723 | 9724 | 9723 | 9723 | | | | | | | | | | | | | |
| 15 | 9544 | 9543 | 9544 | 9544 | 9544 | | | | | | | | | | | | | |
| 20 | 9291 | 9290 | 9291 | 9290 | 9290 | | | | | | | | | | | | | |
| 25 | 8965 | 8965 | 8965 | 8963 | 8964 | | | | | | | | | | | | | |
| 30 | 8565 | 8565 | 8565 | 8563 | 8564 | | | | | | | | | | | | | |
| 35 | 8088 | 8089 | 8088 | 8088 | 8088 | | | | | | | | | | | | | |
| 40 | 7531 | 7531 | 7531 | 7532 | 7532 | | | | | | | | | | | | | |
| 45 | 6897 | 6895 | 6895 | 6897 | 6897 | | | | | | | | | | | | | |
| 50 | 6158 | 6154 | 6156 | 6157 | 6157 | | | | | | | | | | | | | |
| 55 | 5212 | 5216 | 5214 | 5210 | 5213 | | | | | | | | | | | | | |
| 60 | 4277 | 4275 | 4275 | 4277 | 4276 | | | | | | | | | | | | | |
| 65 | 3204 | 3205 | 3202 | 3201 | 3206 | | | | | | | | | | | | | |
| 70 | 2173 | 2171 | 2168 | 2177 | 2168 | | | | | | | | | | | | | |
| 75 | 1195 | 1195 | 1192 | 1192 | 1192 | | | | | | | | | | | | | |
| 80 | 431 | 431 | 431 | 428 | 426 | | | | | | | | | | | | | |
| 85 | 47.2 | 47.1 | 46.9 | 46.7 | 47.5 | | | | | | | | | | | | | |
| 90 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | | | | | | | | | | | | | |
| 95 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | | | | | | | | | | | | | |
| 100 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | | | | | | | | | | | | | |
| 105 | 23.2 | 23.2 | 23.3 | 23.2 | 23.2 | | | | | | | | | | | | | |
| 110 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | | | | | | | | | | | | | |
| 115 | 34.0 | 34.0 | 34.1 | 34.0 | 34.1 | | | | | | | | | | | | | |
| 120 | 39.4 | 39.4 | 39.5 | 39.2 | 39.5 | | | | | | | | | | | | | |
| 125 | 44.8 | 44.7 | 44.8 | 44.7 | 44.7 | | | | | | | | | | | | | |
| 130 | 50.1 | 50.1 | 50.1 | 50.0 | 50.1 | | | | | | | | | | | | | |
| 135 | 55.4 | 55.4 | 55.4 | 55.3 | 55.4 | | | | | | | | | | | | | |
| 140 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | | | | | | | | | | | | | |
| 145 | 65.4 | 65.5 | 65.5 | 65.4 | 65.5 | | | | | | | | | | | | | |
| 150 | 70.2 | 70.3 | 70.2 | 70.2 | 70.3 | | | | | | | | | | | | | |
| 155 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | | | | | | | | | | | | | |
| 160 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | | | | | | | | | | | | | |
| 165 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | | | | | | | | | | | | | |
| 170 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | | | | | | | | | | | | | |
| 175 | 86.7 | 86.7 | 86.8 | 86.7 | 86.7 | | | | | | | | | | | | | |
| 180 | 87.8 | 87.7 | 87.8 | 87.7 | 87.6 | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2020-04-03

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 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 |
| 3.0 | 9859 | 9859 | 9859 | 9859 | 9858 | 9859 | 9859 | 9859 | 9858 | 9859 |
| 6.0 | 9817 | 9817 | 9817 | 9817 | 9816 | 9817 | 9817 | 9817 | 9816 | 9817 |
| 9.0 | 9752 | 9751 | 9751 | 9752 | 9751 | 9751 | 9750 | 9751 | 9751 | 9752 |
| 12.0 | 9661 | 9660 | 9660 | 9661 | 9660 | 9660 | 9660 | 9660 | 9660 | 9661 |
| 15.0 | 9544 | 9544 | 9544 | 9544 | 9543 | 9544 | 9544 | 9544 | 9543 | 9544 |
| 18.0 | 9401 | 9401 | 9401 | 9402 | 9400 | 9401 | 9401 | 9401 | 9400 | 9402 |
| 21.0 | 9232 | 9231 | 9230 | 9231 | 9231 | 9231 | 9231 | 9231 | 9231 | 9231 |
| 24.0 | 9035 | 9034 | 9034 | 9035 | 9035 | 9036 | 9035 | 9036 | 9035 | 9035 |
| 27.0 | 8813 | 8812 | 8811 | 8813 | 8813 | 8813 | 8812 | 8813 | 8813 | 8813 |
| 30.0 | 8566 | 8564 | 8563 | 8565 | 8565 | 8565 | 8564 | 8565 | 8565 | 8565 |
| 33.0 | 8288 | 8287 | 8287 | 8289 | 8287 | 8288 | 8288 | 8288 | 8287 | 8289 |
| 36.0 | 7983 | 7982 | 7983 | 7983 | 7983 | 7983 | 7983 | 7983 | 7983 | 7983 |
| 39.0 | 7650 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 |
| 42.0 | 7291 | 7290 | 7290 | 7289 | 7289 | 7289 | 7289 | 7289 | 7289 | 7289 |
| 45.0 | 6897 | 6897 | 6897 | 6895 | 6895 | 6897 | 6897 | 6897 | 6895 | 6895 |
| 48.0 | 6470 | 6468 | 6466 | 6466 | 6463 | 6466 | 6464 | 6466 | 6463 | 6466 |
| 51.0 | 5969 | 5971 | 5975 | 5973 | 5971 | 5978 | 5981 | 5978 | 5971 | 5973 |
| 54.0 | 5402 | 5397 | 5396 | 5400 | 5401 | 5398 | 5395 | 5398 | 5401 | 5400 |
| 57.0 | 4849 | 4843 | 4844 | 4843 | 4848 | 4842 | 4839 | 4842 | 4848 | 4843 |
| 60.0 | 4281 | 4276 | 4277 | 4275 | 4275 | 4277 | 4277 | 4277 | 4275 | 4275 |
| 63.0 | 3624 | 3623 | 3622 | 3622 | 3623 | 3624 | 3624 | 3624 | 3623 | 3622 |
| 66.0 | 3008 | 3004 | 3001 | 3001 | 3003 | 3002 | 3000 | 3002 | 3003 | 3001 |
| 69.0 | 2378 | 2370 | 2374 | 2372 | 2374 | 2372 | 2372 | 2372 | 2372 | 2372 |
| 72.0 | 1774 | 1768 | 1770 | 1764 | 1766 | 1769 | 1774 | 1769 | 1766 | 1764 |
| 75.0 | 1191 | 1192 | 1192 | 1192 | 1195 | 1195 | 1199 | 1195 | 1195 | 1192 |
| 78.0 | 693.1 | 691.3 | 693.8 | 697.6 | 696.2 | 695.7 | 695.2 | 695.7 | 696.2 | 697.6 |
| 81.0 | 306.1 | 307.4 | 307.2 | 310.5 | 310.1 | 310.5 | 311.5 | 310.5 | 310.1 | 310.5 |
| 84.0 | 87.85 | 88.09 | 87.18 | 88.20 | 88.96 | 88.58 | 88.65 | 88.58 | 88.96 | 88.20 |
| 87.0 | 16.15 | 16.24 | 16.25 | 16.17 | 16.15 | 16.09 | 16.08 | 16.09 | 16.15 | 16.17 |
| 90.0 | 10.51 | 10.51 | 10.48 | 10.51 | 10.49 | 10.51 | 10.50 | 10.51 | 10.49 | 10.51 |
| 93.0 | 12.48 | 12.47 | 12.46 | 12.48 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.48 |
| 96.0 | 14.78 | 14.77 | 14.76 | 14.82 | 14.77 | 14.77 | 14.77 | 14.77 | 14.77 | 14.82 |
| 99.0 | 17.35 | 17.37 | 17.34 | 17.39 | 17.35 | 17.37 | 17.35 | 17.37 | 17.35 | 17.39 |
| 102.0 | 20.20 | 20.21 | 20.18 | 20.23 | 20.19 | 20.21 | 20.20 | 20.21 | 20.19 | 20.23 |
| 105.0 | 23.25 | 23.25 | 23.21 | 23.26 | 23.22 | 23.23 | 23.22 | 23.23 | 23.22 | 23.26 |
| 108.0 | 26.42 | 26.40 | 26.38 | 26.42 | 26.39 | 26.40 | 26.39 | 26.40 | 26.39 | 26.42 |
| 111.0 | 29.68 | 29.67 | 29.63 | 29.68 | 29.65 | 29.65 | 29.65 | 29.65 | 29.65 | 29.68 |
| 114.0 | 32.99 | 32.97 | 32.93 | 32.96 | 32.94 | 32.93 | 32.93 | 32.93 | 32.94 | 32.96 |
| 117.0 | 36.28 | 36.24 | 36.21 | 36.25 | 36.21 | 36.21 | 36.21 | 36.21 | 36.21 | 36.25 |
| 120.0 | 39.43 | 39.47 | 39.22 | 39.46 | 39.40 | 39.43 | 39.41 | 39.43 | 39.40 | 39.46 |
| 123.0 | 42.58 | 42.65 | 42.59 | 42.67 | 42.59 | 42.64 | 42.60 | 42.64 | 42.59 | 42.67 |
| 126.0 | 45.80 | 45.80 | 45.80 | 45.85 | 45.80 | 45.84 | 45.79 | 45.84 | 45.80 | 45.85 |
| 129.0 | 49.02 | 48.98 | 48.95 | 49.04 | 49.00 | 49.02 | 49.00 | 49.02 | 49.00 | 49.04 |
| 132.0 | 52.30 | 52.25 | 52.17 | 52.28 | 52.26 | 52.28 | 52.25 | 52.28 | 52.26 | 52.28 |
| 135.0 | 55.45 | 55.38 | 55.33 | 55.40 | 55.40 | 55.40 | 55.42 | 55.40 | 55.40 | 55.40 |
| 138.0 | 58.41 | 58.33 | 58.35 | 58.36 | 58.36 | 58.36 | 58.41 | 58.36 | 58.36 | 58.36 |
| 141.0 | 61.48 | 61.44 | 61.44 | 61.43 | 61.47 | 61.43 | 61.46 | 61.43 | 61.47 | 61.43 |
| 144.0 | 64.69 | 64.49 | 64.48 | 64.50 | 64.59 | 64.48 | 64.48 | 64.48 | 64.59 | 64.50 |
| 147.0 | 67.55 | 67.44 | 67.41 | 67.42 | 67.47 | 67.41 | 67.42 | 67.41 | 67.47 | 67.42 |
| 150.0 | 70.38 | 70.27 | 70.22 | 70.25 | 70.28 | 70.25 | 70.22 | 70.25 | 70.28 | 70.25 |
| 153.0 | 72.96 | 72.88 | 72.82 | 72.83 | 72.87 | 72.83 | 72.81 | 72.83 | 72.87 | 72.83 |
| 156.0 | 75.45 | 75.33 | 75.29 | 75.31 | 75.33 | 75.31 | 75.27 | 75.31 | 75.33 | 75.31 |
| 159.0 | 77.81 | 77.70 | 77.63 | 77.68 | 77.68 | 77.65 | 77.60 | 77.65 | 77.68 | 77.68 |
| 162.0 | 79.99 | 79.88 | 79.81 | 79.85 | 79.83 | 79.81 | 79.78 | 79.81 | 79.83 | 79.85 |
| 165.0 | 81.91 | 81.84 | 81.77 | 81.82 | 81.79 | 81.79 | 81.74 | 81.79 | 81.79 | 81.82 |
| 168.0 | 83.77 | 83.66 | 83.62 | 83.67 | 83.64 | 83.64 | 83.59 | 83.64 | 83.64 | 83.67 |
| 171.0 | 85.20 | 85.10 | 85.08 | 85.12 | 85.11 | 85.10 | 85.07 | 85.10 | 85.11 | 85.12 |
| 174.0 | 86.55 | 86.44 | 86.44 | 86.51 | 86.48 | 86.49 | 86.46 | 86.49 | 86.48 | 86.51 |
| 177.0 | 87.30 | 87.12 | 87.10 | 87.21 | 87.19 | 87.24 | 87.22 | 87.24 | 87.19 | 87.21 |
| 180.0 | 87.88 | 87.64 | 87.66 | 87.76 | 87.74 | 87.81 | 87.77 | 87.81 | 87.74 | 87.76 |
| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
| 0.0 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 | 9878 |
| 3.0 | 9859 | 9859 | 9859 | 9859 | 9859 | 9859 | 9858 | 9859 | 9859 | 9859 |
| 6.0 | 9817 | 9817 | 9817 | 9817 | 9817 | 9817 | 9816 | 9817 | 9817 | 9817 |
| 9.0 | 9751 | 9751 | 9752 | 9751 | 9751 | 9752 | 9751 | 9751 | 9750 | 9751 |
| 12.0 | 9660 | 9660 | 9661 | 9660 | 9660 | 9661 | 9660 | 9660 | 9660 | 9660 |
| 15.0 | 9544 | 9544 | 9544 | 9544 | 9544 | 9544 | 9543 | 9544 | 9544 | 9544 |
| 18.0 | 9401 | 9401 | 9401 | 9401 | 9401 | 9402 | 9400 | 9401 | 9401 | 9401 |
| 21.0 | 9230 | 9231 | 9232 | 9231 | 9230 | 9231 | 9231 | 9231 | 9231 | 9231 |
| 24.0 | 9034 | 9034 | 9035 | 9034 | 9034 | 9035 | 9035 | 9036 | 9035 | 9036 |
| 27.0 | 8811 | 8812 | 8813 | 8812 | 8811 | 8813 | 8813 | 8813 | 8812 | 8813 |
| 30.0 | 8563 | 8564 | 8566 | 8564 | 8563 | 8565 | 8565 | 8565 | 8564 | 8565 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-03

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 | 8287 | 8287 | 8288 | 8287 | 8287 | 8289 | 8287 | 8288 | 8288 | 8288 |
| 36.0 | 7983 | 7982 | 7983 | 7982 | 7983 | 7983 | 7983 | 7983 | 7983 | 7983 |
| 39.0 | 7649 | 7649 | 7650 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 | 7649 |
| 42.0 | 7290 | 7290 | 7291 | 7290 | 7290 | 7289 | 7289 | 7289 | 7289 | 7289 |
| 45.0 | 6897 | 6897 | 6897 | 6897 | 6897 | 6895 | 6895 | 6897 | 6897 | 6897 |
| 48.0 | 6466 | 6468 | 6470 | 6468 | 6466 | 6466 | 6463 | 6466 | 6464 | 6466 |
| 51.0 | 5975 | 5971 | 5969 | 5971 | 5975 | 5973 | 5971 | 5978 | 5981 | 5978 |
| 54.0 | 5396 | 5397 | 5402 | 5397 | 5396 | 5400 | 5401 | 5398 | 5395 | 5398 |
| 57.0 | 4844 | 4843 | 4849 | 4843 | 4844 | 4843 | 4848 | 4842 | 4839 | 4842 |
| 60.0 | 4277 | 4276 | 4281 | 4276 | 4277 | 4275 | 4275 | 4277 | 4277 | 4277 |
| 63.0 | 3622 | 3623 | 3624 | 3623 | 3622 | 3622 | 3623 | 3624 | 3624 | 3624 |
| 66.0 | 3001 | 3004 | 3008 | 3004 | 3001 | 3001 | 3003 | 3002 | 3000 | 3002 |
| 69.0 | 2374 | 2370 | 2378 | 2370 | 2374 | 2372 | 2374 | 2372 | 2372 | 2374 |
| 72.0 | 1770 | 1768 | 1774 | 1768 | 1770 | 1764 | 1766 | 1769 | 1774 | 1769 |
| 75.0 | 1192 | 1192 | 1191 | 1192 | 1192 | 1192 | 1195 | 1195 | 1199 | 1195 |
| 78.0 | 693.8 | 691.3 | 693.1 | 691.3 | 693.8 | 697.6 | 696.2 | 695.7 | 695.2 | 695.7 |
| 81.0 | 307.2 | 307.4 | 306.1 | 307.4 | 307.2 | 310.5 | 310.1 | 310.5 | 311.5 | 310.5 |
| 84.0 | 87.18 | 88.09 | 87.85 | 88.09 | 87.18 | 88.20 | 88.96 | 88.58 | 88.65 | 88.58 |
| 87.0 | 16.25 | 16.24 | 16.15 | 16.24 | 16.25 | 16.17 | 16.15 | 16.09 | 16.08 | 16.09 |
| 90.0 | 10.48 | 10.51 | 10.51 | 10.51 | 10.48 | 10.51 | 10.49 | 10.51 | 10.50 | 10.51 |
| 93.0 | 12.46 | 12.47 | 12.48 | 12.47 | 12.46 | 12.48 | 12.47 | 12.47 | 12.47 | 12.47 |
| 96.0 | 14.76 | 14.77 | 14.78 | 14.77 | 14.76 | 14.82 | 14.77 | 14.77 | 14.77 | 14.77 |
| 99.0 | 17.34 | 17.37 | 17.35 | 17.37 | 17.34 | 17.39 | 17.35 | 17.37 | 17.35 | 17.37 |
| 102.0 | 20.18 | 20.21 | 20.20 | 20.21 | 20.18 | 20.23 | 20.19 | 20.21 | 20.20 | 20.21 |
| 105.0 | 23.21 | 23.25 | 23.25 | 23.25 | 23.21 | 23.26 | 23.22 | 23.23 | 23.22 | 23.23 |
| 108.0 | 26.38 | 26.40 | 26.42 | 26.40 | 26.38 | 26.42 | 26.39 | 26.40 | 26.39 | 26.40 |
| 111.0 | 29.63 | 29.67 | 29.68 | 29.67 | 29.63 | 29.68 | 29.65 | 29.65 | 29.64 | 29.65 |
| 114.0 | 32.93 | 32.97 | 32.99 | 32.97 | 32.93 | 32.96 | 32.94 | 32.93 | 32.93 | 32.93 |
| 117.0 | 36.21 | 36.24 | 36.28 | 36.24 | 36.21 | 36.25 | 36.21 | 36.21 | 36.21 | 36.21 |
| 120.0 | 39.22 | 39.47 | 39.43 | 39.47 | 39.22 | 39.46 | 39.40 | 39.43 | 39.41 | 39.43 |
| 123.0 | 42.59 | 42.65 | 42.58 | 42.65 | 42.59 | 42.67 | 42.59 | 42.64 | 42.60 | 42.64 |
| 126.0 | 45.80 | 45.80 | 45.80 | 45.80 | 45.80 | 45.85 | 45.80 | 45.84 | 45.79 | 45.84 |
| 129.0 | 48.95 | 48.98 | 49.02 | 48.98 | 48.95 | 49.04 | 49.00 | 49.02 | 49.00 | 49.02 |
| 132.0 | 52.17 | 52.25 | 52.30 | 52.25 | 52.17 | 52.28 | 52.26 | 52.28 | 52.25 | 52.28 |
| 135.0 | 55.33 | 55.38 | 55.45 | 55.38 | 55.33 | 55.40 | 55.40 | 55.40 | 55.42 | 55.40 |
| 138.0 | 58.35 | 58.33 | 58.41 | 58.33 | 58.35 | 58.36 | 58.36 | 58.36 | 58.41 | 58.36 |
| 141.0 | 61.44 | 61.44 | 61.44 | 61.44 | 61.44 | 61.43 | 61.47 | 61.43 | 61.46 | 61.43 |
| 144.0 | 64.48 | 64.49 | 64.69 | 64.49 | 64.48 | 64.50 | 64.59 | 64.48 | 64.48 | 64.48 |
| 147.0 | 67.41 | 67.44 | 67.55 | 67.44 | 67.41 | 67.42 | 67.47 | 67.41 | 67.42 | 67.41 |
| 150.0 | 70.22 | 70.27 | 70.38 | 70.27 | 70.22 | 70.25 | 70.28 | 70.25 | 70.22 | 70.25 |
| 153.0 | 72.82 | 72.88 | 72.96 | 72.88 | 72.82 | 72.83 | 72.87 | 72.83 | 72.81 | 72.83 |
| 156.0 | 75.29 | 75.33 | 75.45 | 75.33 | 75.29 | 75.31 | 75.33 | 75.31 | 75.27 | 75.31 |
| 159.0 | 77.63 | 77.70 | 77.81 | 77.70 | 77.63 | 77.68 | 77.68 | 77.65 | 77.60 | 77.65 |
| 162.0 | 79.81 | 79.88 | 79.99 | 79.88 | 79.81 | 79.85 | 79.83 | 79.81 | 79.78 | 79.81 |
| 165.0 | 81.77 | 81.84 | 81.91 | 81.84 | 81.77 | 81.82 | 81.79 | 81.79 | 81.74 | 81.79 |
| 168.0 | 83.62 | 83.66 | 83.77 | 83.66 | 83.62 | 83.67 | 83.64 | 83.64 | 83.59 | 83.64 |
| 171.0 | 85.08 | 85.10 | 85.20 | 85.10 | 85.08 | 85.12 | 85.11 | 85.10 | 85.07 | 85.10 |
| 174.0 | 86.44 | 86.44 | 86.55 | 86.44 | 86.44 | 86.51 | 86.48 | 86.49 | 86.46 | 86.49 |
| 177.0 | 87.10 | 87.12 | 87.30 | 87.12 | 87.10 | 87.21 | 87.19 | 87.24 | 87.22 | 87.24 |
| 180.0 | 87.66 | 87.64 | 87.88 | 87.64 | 87.66 | 87.76 | 87.74 | 87.81 | 87.77 | 87.81 |
| G/C | 300.0 | 315.0 | 330.0 | 345.0 | | | | | | |
| 0.0 | 9878 | 9878 | 9878 | 9878 | | | | | | |
| 3.0 | 9858 | 9859 | 9859 | 9859 | | | | | | |
| 6.0 | 9816 | 9817 | 9817 | 9817 | | | | | | |
| 9.0 | 9751 | 9752 | 9751 | 9751 | | | | | | |
| 12.0 | 9660 | 9661 | 9660 | 9660 | | | | | | |
| 15.0 | 9543 | 9544 | 9544 | 9544 | | | | | | |
| 18.0 | 9400 | 9402 | 9401 | 9401 | | | | | | |
| 21.0 | 9231 | 9231 | 9230 | 9231 | | | | | | |
| 24.0 | 9035 | 9035 | 9034 | 9034 | | | | | | |
| 27.0 | 8813 | 8813 | 8811 | 8812 | | | | | | |
| 30.0 | 8565 | 8565 | 8563 | 8564 | | | | | | |
| 33.0 | 8287 | 8289 | 8287 | 8287 | | | | | | |
| 36.0 | 7983 | 7983 | 7983 | 7982 | | | | | | |
| 39.0 | 7649 | 7649 | 7649 | 7649 | | | | | | |
| 42.0 | 7289 | 7289 | 7290 | 7290 | | | | | | |
| 45.0 | 6895 | 6895 | 6897 | 6897 | | | | | | |
| 48.0 | 6463 | 6466 | 6466 | 6468 | | | | | | |
| 51.0 | 5971 | 5973 | 5975 | 5971 | | | | | | |
| 54.0 | 5401 | 5400 | 5396 | 5397 | | | | | | |
| 57.0 | 4848 | 4843 | 4844 | 4843 | | | | | | |
| 60.0 | 4275 | 4275 | 4276 | 4276 | | | | | | |
| 63.0 | 3623 | 3622 | 3622 | 3623 | | | | | | |
| 66.0 | 3003 | 3001 | 3001 | 3004 | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-03

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 | 2372 | 2372 | 2374 | 2370 |
| 72.0 | 1766 | 1764 | 1770 | 1768 |
| 75.0 | 1195 | 1192 | 1192 | 1192 |
| 78.0 | 696.2 | 697.6 | 693.8 | 691.3 |
| 81.0 | 310.1 | 310.5 | 307.2 | 307.4 |
| 84.0 | 88.96 | 88.20 | 87.18 | 88.09 |
| 87.0 | 16.15 | 16.17 | 16.25 | 16.24 |
| 90.0 | 10.49 | 10.51 | 10.48 | 10.51 |
| 93.0 | 12.47 | 12.48 | 12.46 | 12.47 |
| 96.0 | 14.77 | 14.82 | 14.76 | 14.77 |
| 99.0 | 17.35 | 17.39 | 17.34 | 17.37 |
| 102.0 | 20.19 | 20.23 | 20.18 | 20.21 |
| 105.0 | 23.22 | 23.26 | 23.21 | 23.25 |
| 108.0 | 26.39 | 26.42 | 26.38 | 26.40 |
| 111.0 | 29.65 | 29.68 | 29.63 | 29.67 |
| 114.0 | 32.94 | 32.96 | 32.93 | 32.97 |
| 117.0 | 36.21 | 36.25 | 36.21 | 36.24 |
| 120.0 | 39.40 | 39.46 | 39.22 | 39.47 |
| 123.0 | 42.59 | 42.67 | 42.59 | 42.65 |
| 126.0 | 45.80 | 45.85 | 45.80 | 45.80 |
| 129.0 | 49.00 | 49.04 | 48.95 | 48.98 |
| 132.0 | 52.26 | 52.28 | 52.17 | 52.25 |
| 135.0 | 55.40 | 55.40 | 55.33 | 55.38 |
| 138.0 | 58.36 | 58.36 | 58.35 | 58.33 |
| 141.0 | 61.47 | 61.43 | 61.44 | 61.44 |
| 144.0 | 64.59 | 64.50 | 64.48 | 64.49 |
| 147.0 | 67.47 | 67.42 | 67.41 | 67.44 |
| 150.0 | 70.28 | 70.25 | 70.22 | 70.27 |
| 153.0 | 72.87 | 72.83 | 72.82 | 72.88 |
| 156.0 | 75.33 | 75.31 | 75.29 | 75.33 |
| 159.0 | 77.68 | 77.68 | 77.63 | 77.70 |
| 162.0 | 79.83 | 79.85 | 79.81 | 79.88 |
| 165.0 | 81.79 | 81.82 | 81.77 | 81.84 |
| 168.0 | 83.64 | 83.67 | 83.62 | 83.66 |
| 171.0 | 85.11 | 85.12 | 85.08 | 85.10 |
| 174.0 | 86.48 | 86.51 | 86.44 | 86.44 |
| 177.0 | 87.19 | 87.21 | 87.10 | 87.12 |
| 180.0 | 87.74 | 87.76 | 87.66 | 87.64 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2020-04-03

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: