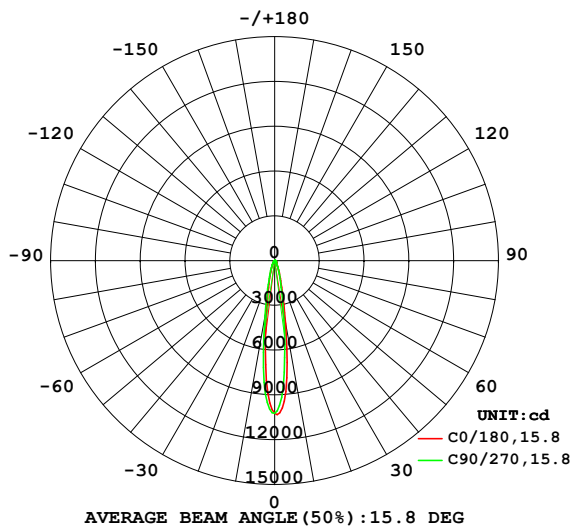


LUMINAIRE PHOTOMETRIC TEST REPORT

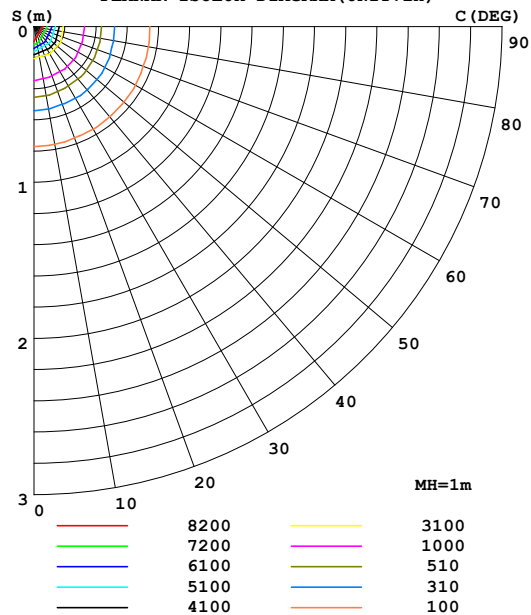
| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 110.16 lm/W | | | |
|------------------|---------|-----------------------------------|--------|------------------------|----------|
| MODEL | | Imax (cd) | 10311 | S/MH(C0/180) | 0.24 |
| NOMINAL POWER(W) | 15 | LOR(%) | 100.0 | S/MH(C90/270) | 0.28 |
| RATED VOLTAGE(V) | 240 | TOTAL FLUX(lm) | 1637.3 | η UP,DN(C0-180) | 0.0,50.7 |
| NOMINAL FLUX(lm) | 1637.27 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,49.3 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 240.4 | η down (%) | 100.0 | CIBSE SHR MAX | 0.30 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [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 | 425.5 | 389.7 | 342.3 | 314.6 | 304.3 | 326.3 | 374.9 | 414.9 | 0- 10 | 600.1 | 600.1 | 36.7,36.7 |
| 20 | 100.0 | 96.38 | 89.68 | 84.34 | 81.25 | 83.84 | 91.18 | 97.54 | 10- 20 | 485.2 | 1085 | 66.3,66.3 |
| 30 | 37.87 | 36.34 | 33.94 | 32.20 | 31.14 | 32.38 | 35.06 | 37.67 | 20- 30 | 258.6 | 1344 | 82.1,82.1 |
| 40 | 15.89 | 15.24 | 14.26 | 13.91 | 13.54 | 13.84 | 14.91 | 15.83 | 30- 40 | 142.3 | 1486 | 90.8,90.8 |
| 50 | 7.561 | 7.341 | 7.243 | 7.100 | 6.801 | 6.793 | 7.272 | 7.541 | 40- 50 | 79.18 | 1565 | 95.6,95.6 |
| 60 | 3.816 | 3.701 | 3.616 | 3.447 | 3.388 | 3.482 | 3.766 | 3.856 | 50- 60 | 46.64 | 1612 | 98.5,98.5 |
| 70 | 1.008 | 0.9314 | 0.8423 | 0.7449 | 0.7185 | 0.8013 | 0.9443 | 1.012 | 60- 70 | 21.21 | 1633 | 99.8,99.8 |
| 80 | 0.1569 | 0.1454 | 0.1363 | 0.1298 | 0.1296 | 0.1341 | 0.1508 | 0.1578 | 70- 80 | 3.543 | 1637 | 100,100 |
| 90 | 0.0064 | 0.0038 | 0.0070 | 0.0043 | 0.0047 | 0.0039 | 0.0054 | 0.0040 | 80- 90 | 0.5301 | 1637 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:X10cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1531.1 lm

%lum = 93.5%

%lamp = 93.5%

Conical surface Flux(120deg): 1612 lm

%lum = 98.5%

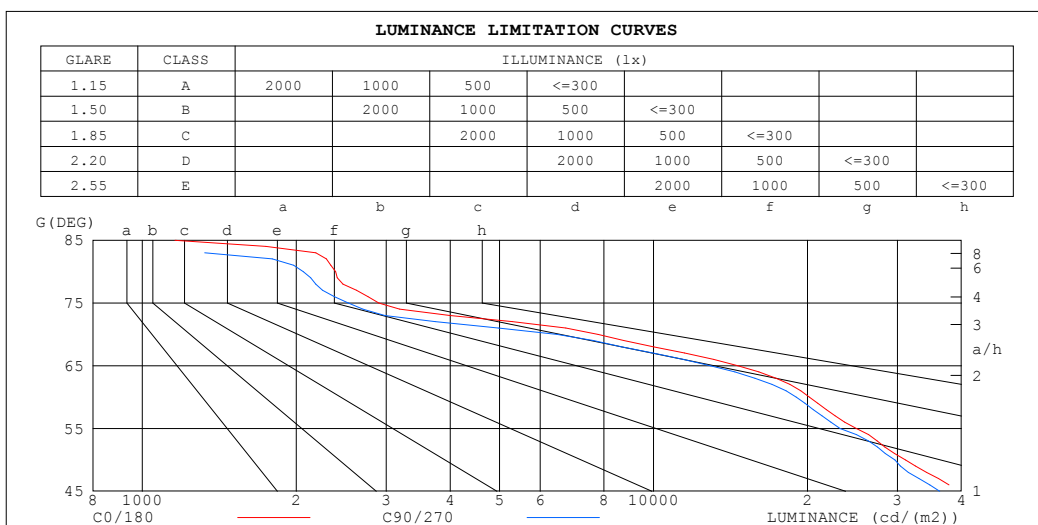
%lamp = 98.5%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-11-05

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



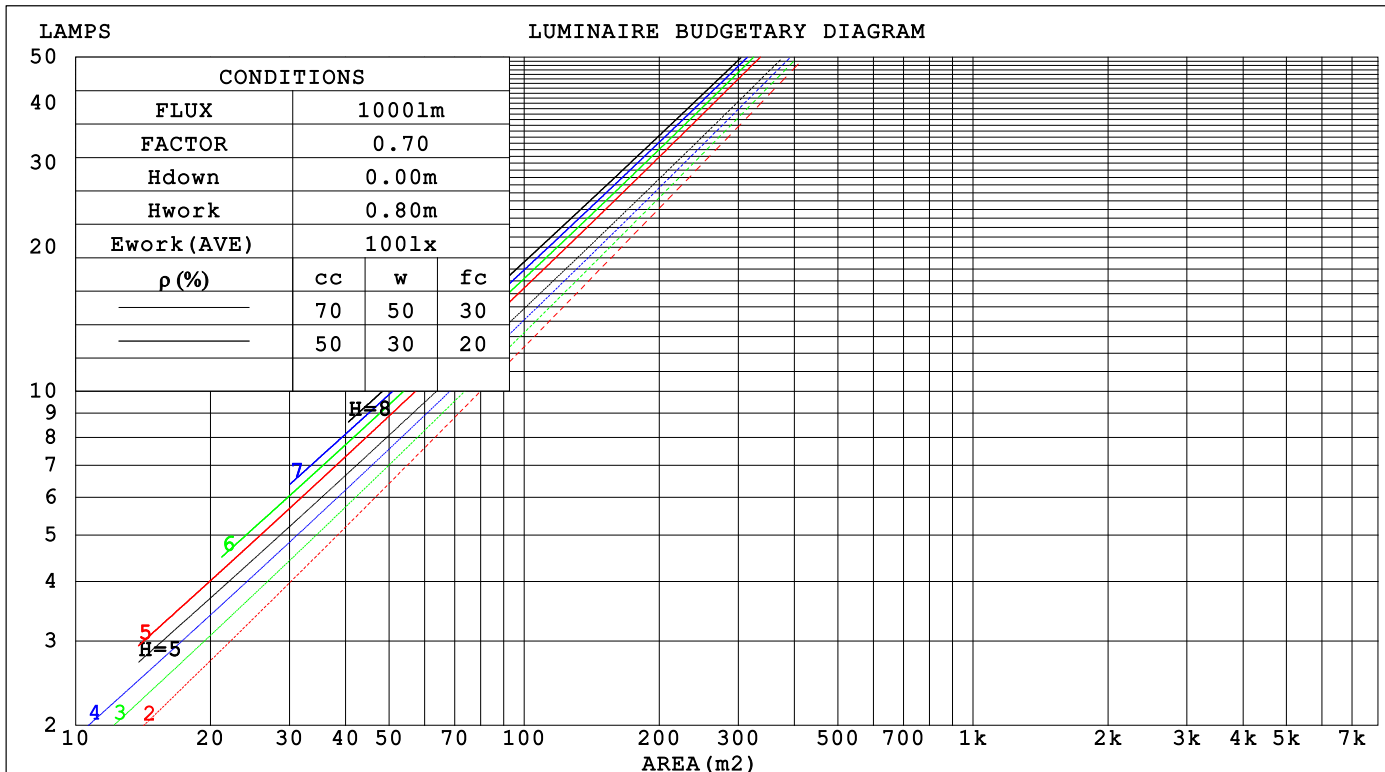
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | 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 | .154 | .088 | .028 | .147 | .084 | .027 | .135 | .077 | .025 | .123 | .071 | .023 | .113 | .065 | .021 | | |
| 2.0 | .145 | .080 | .024 | .140 | .077 | .024 | .129 | .072 | .022 | .120 | .067 | .021 | .111 | .063 | .020 | | |
| 3.0 | .136 | .073 | .022 | .132 | .070 | .021 | .123 | .067 | .020 | .115 | .063 | .019 | .107 | .059 | .018 | | |
| 4.0 | .128 | .067 | .020 | .124 | .065 | .019 | .117 | .062 | .018 | .110 | .059 | .018 | .103 | .056 | .017 | | |
| 5.0 | .120 | .061 | .018 | .117 | .060 | .018 | .111 | .058 | .017 | .105 | .055 | .016 | .099 | .053 | .016 | | |
| 6.0 | .114 | .057 | .016 | .111 | .056 | .016 | .105 | .054 | .016 | .100 | .052 | .015 | .095 | .050 | .015 | | |
| 7.0 | .108 | .053 | .015 | .105 | .052 | .015 | .100 | .051 | .015 | .096 | .049 | .014 | .091 | .048 | .014 | | |
| 8.0 | .102 | .050 | .014 | .100 | .049 | .014 | .096 | .048 | .014 | .092 | .046 | .013 | .088 | .045 | .013 | | |
| 9.0 | .097 | .047 | .013 | .095 | .046 | .013 | .091 | .045 | .013 | .088 | .044 | .013 | .085 | .043 | .012 | | |
| 10.0 | .093 | .044 | .012 | .091 | .044 | .012 | .088 | .043 | .012 | .084 | .042 | .012 | .081 | .041 | .012 | | |

| 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 | .190 | .190 | .190 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | | |
| 1.0 | .170 | .158 | .147 | .145 | .135 | .126 | .099 | .093 | .087 | .057 | .054 | .051 | .018 | .017 | .016 | | |
| 2.0 | .153 | .133 | .116 | .131 | .114 | .100 | .090 | .079 | .070 | .052 | .046 | .041 | .017 | .015 | .013 | | |
| 3.0 | .139 | .113 | .093 | .119 | .098 | .081 | .082 | .068 | .057 | .047 | .040 | .033 | .015 | .013 | .011 | | |
| 4.0 | .127 | .098 | .076 | .109 | .085 | .066 | .075 | .059 | .047 | .043 | .035 | .028 | .014 | .011 | .009 | | |
| 5.0 | .117 | .086 | .064 | .100 | .075 | .055 | .069 | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 | | |
| 6.0 | .108 | .076 | .054 | .093 | .066 | .047 | .064 | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .006 | | |
| 7.0 | .101 | .068 | .046 | .087 | .059 | .040 | .060 | .042 | .028 | .035 | .025 | .017 | .011 | .008 | .006 | | |
| 8.0 | .094 | .062 | .039 | .081 | .054 | .034 | .056 | .038 | .024 | .033 | .022 | .015 | .011 | .007 | .005 | | |
| 9.0 | .089 | .056 | .034 | .076 | .049 | .030 | .053 | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 | | |
| 10.0 | .084 | .052 | .030 | .072 | .045 | .026 | .050 | .031 | .019 | .029 | .019 | .011 | .009 | .006 | .004 | | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|---|-----|------------------|------|------|------|------------|----------------|------|------------------|------|------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | | | | | | | | | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | | | | | | | | | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | | | | | WEIGHT: | | | | | |
| SPEC.: | | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: Norming lighting | | | | | | SUR.: 70mm | | | 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 | | 19.5 | 20.3 | 19.7 | 20.4 | 20.6 | 19.2 | 19.9 | 19.4 | 20.1 | 20.2 |
| | 3H | 19.7 | 20.4 | 19.9 | 20.6 | 20.8 | 19.3 | 20.0 | 19.5 | 20.2 | 20.4 |
| | 4H | 19.6 | 20.3 | 19.9 | 20.5 | 20.7 | 19.2 | 19.9 | 19.5 | 20.1 | 20.3 |
| | 6H | 19.5 | 20.2 | 19.8 | 20.4 | 20.6 | 19.1 | 19.8 | 19.4 | 20.0 | 20.3 |
| | 8H | 19.5 | 20.1 | 19.8 | 20.4 | 20.6 | 19.1 | 19.7 | 19.4 | 20.0 | 20.2 |
| | 12H | 19.5 | 20.0 | 19.8 | 20.3 | 20.6 | 19.1 | 19.6 | 19.4 | 19.9 | 20.2 |
| 4H | 2H | 19.6 | 20.3 | 19.9 | 20.5 | 20.7 | 19.3 | 20.0 | 19.6 | 20.2 | 20.4 |
| | 3H | 19.8 | 20.4 | 20.1 | 20.6 | 20.9 | 19.4 | 20.0 | 19.7 | 20.3 | 20.5 |
| | 4H | 19.7 | 20.2 | 20.1 | 20.5 | 20.8 | 19.4 | 19.9 | 19.7 | 20.2 | 20.5 |
| | 6H | 19.6 | 20.1 | 20.0 | 20.4 | 20.8 | 19.3 | 19.7 | 19.6 | 20.1 | 20.4 |
| | 8H | 19.6 | 20.0 | 20.0 | 20.4 | 20.7 | 19.2 | 19.7 | 19.6 | 20.0 | 20.4 |
| | 12H | 19.5 | 19.9 | 19.9 | 20.3 | 20.7 | 19.2 | 19.6 | 19.6 | 19.9 | 20.3 |
| 8H | 4H | 19.6 | 20.0 | 20.0 | 20.4 | 20.7 | 19.2 | 19.7 | 19.6 | 20.0 | 20.4 |
| | 6H | 19.5 | 19.9 | 19.9 | 20.3 | 20.7 | 19.1 | 19.5 | 19.6 | 19.9 | 20.3 |
| | 8H | 19.5 | 19.8 | 19.9 | 20.2 | 20.6 | 19.1 | 19.4 | 19.5 | 19.8 | 20.3 |
| | 12H | 19.4 | 19.7 | 19.9 | 20.1 | 20.6 | 19.0 | 19.3 | 19.5 | 19.8 | 20.2 |
| 12H | 4H | 19.5 | 19.9 | 19.9 | 20.3 | 20.7 | 19.2 | 19.6 | 19.6 | 20.0 | 20.3 |
| | 6H | 19.4 | 19.8 | 19.9 | 20.2 | 20.6 | 19.1 | 19.4 | 19.5 | 19.8 | 20.3 |
| | 8H | 19.4 | 19.7 | 19.9 | 20.1 | 20.6 | 19.0 | 19.3 | 19.5 | 19.8 | 20.2 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | | |
| S = 1.0H | | + 1.3 / - 2.0 | | | | | + 1.2 / - 1.9 | | | | |
| 1.5H | | + 1.9 / - 1.2 | | | | | + 1.5 / - 1.0 | | | | |
| 2.0H | | + 2.0 / - 1.8 | | | | | + 1.8 / - 1.8 | | | | |

CIE Pub.117, 1637 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.7)
Area: 0.0038 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|--|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | | SERIAL No.: |
| MFR.: Norming lighting | | Shielding Angle: |
| DIM.: | | |
| SUR.: 70mm | | |

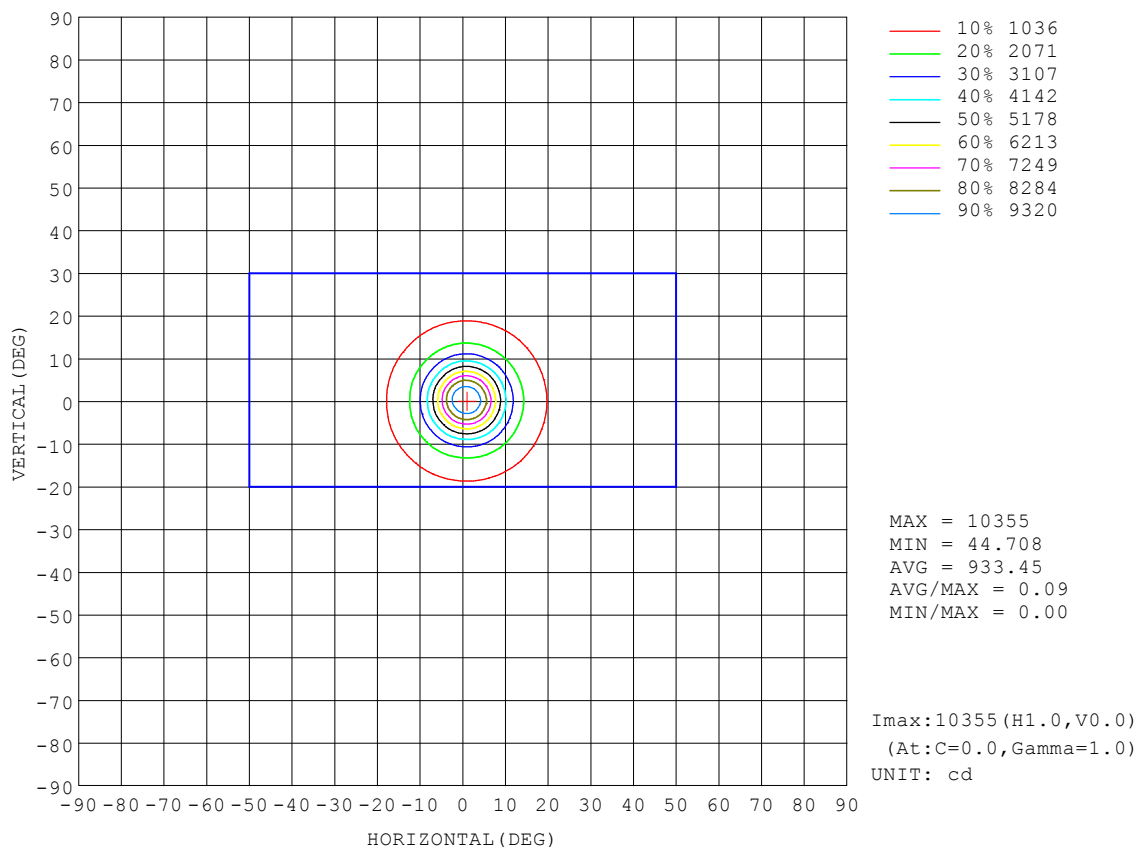
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 86 | 79 | 75 | 85 | 79 | 75 | 84 | 78 | 75 | 71 |
| 0.80 | 93 | 87 | 83 | 93 | 87 | 83 | 91 | 86 | 83 | 79 |
| 1.00 | 98 | 92 | 88 | 97 | 92 | 88 | 96 | 92 | 88 | 84 |
| 1.25 | 102 | 97 | 93 | 101 | 96 | 93 | 99 | 95 | 92 | 88 |
| 1.50 | 105 | 100 | 97 | 104 | 99 | 96 | 102 | 98 | 95 | 90 |
| 2.00 | 108 | 104 | 100 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 110 | 106 | 104 | 106 | 104 | 102 | 95 |
| 4.00 | 114 | 111 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 112 | 111 | 113 | 111 | 109 | 109 | 107 | 106 | 98 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |

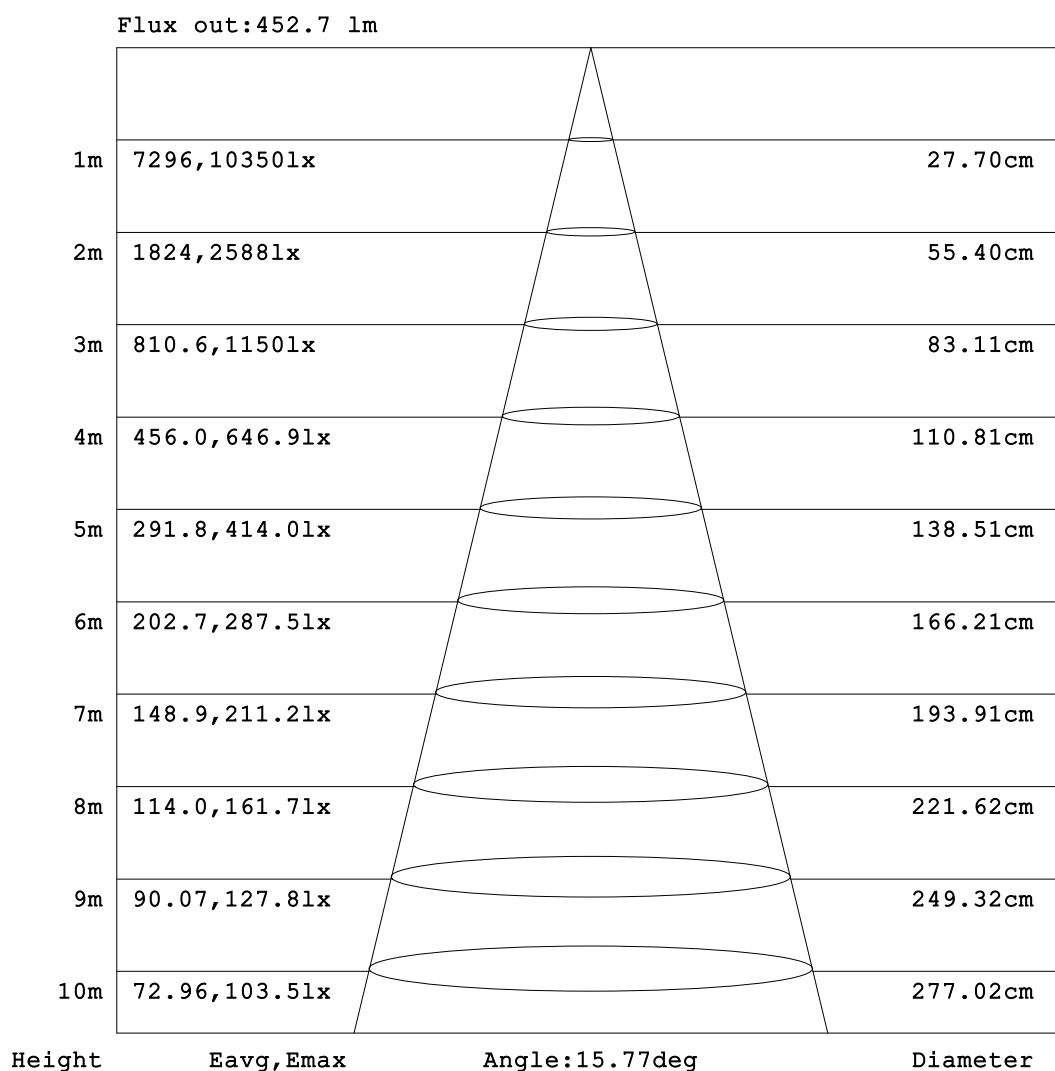


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|------------|------------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 | | Lamp Flux:1637.27x1 lm |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



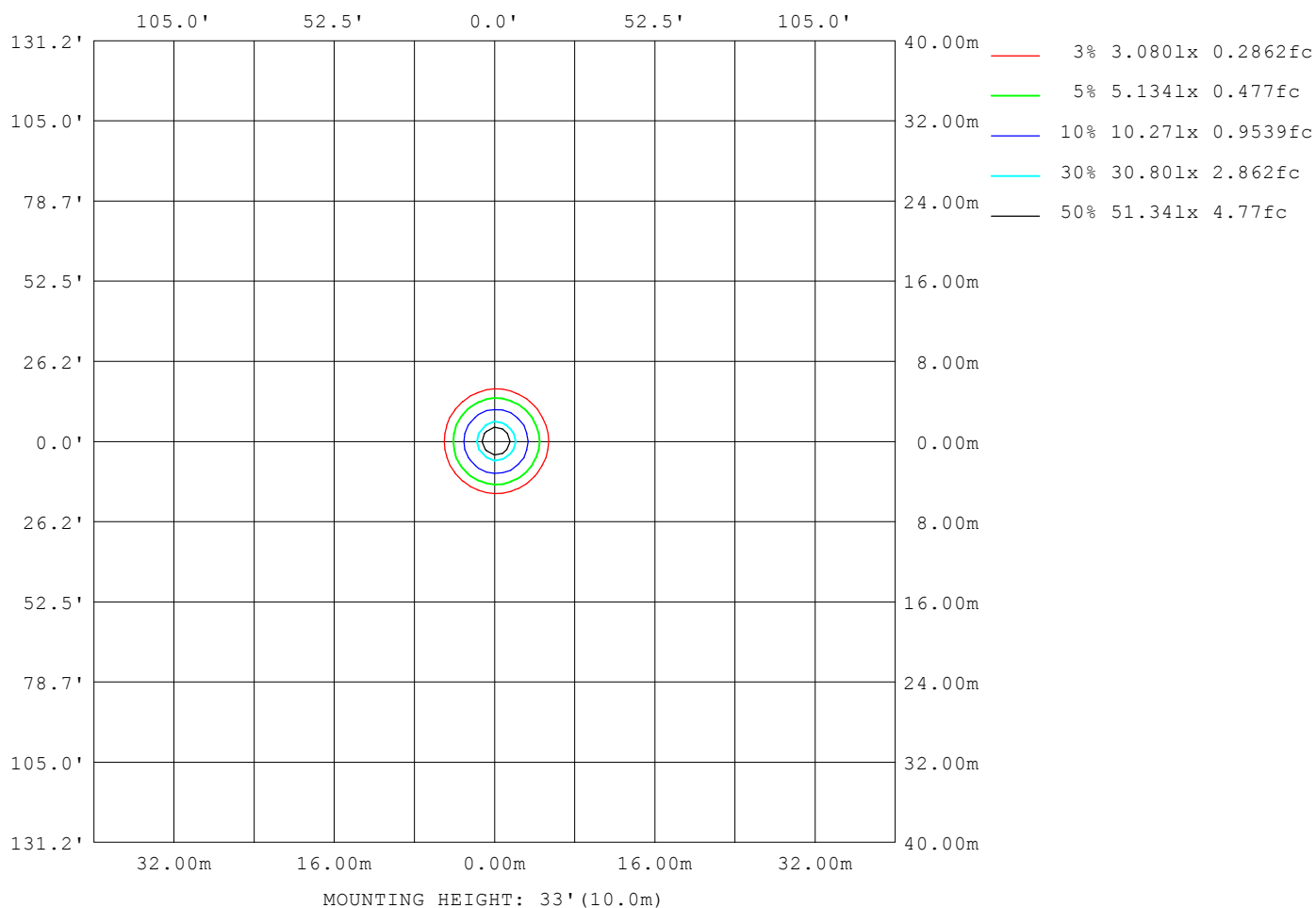
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|------------|------------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 | | Lamp Flux:1637.27x1 lm |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0632A P:14.9W PF:0.9788 Freq:49.99Hz | | |
| UTHDi:0.18% ITHDi:6.27% KDisp:0.9809 Lamp Flux:1637.27x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 3000K RA90 15D TYPE: | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |

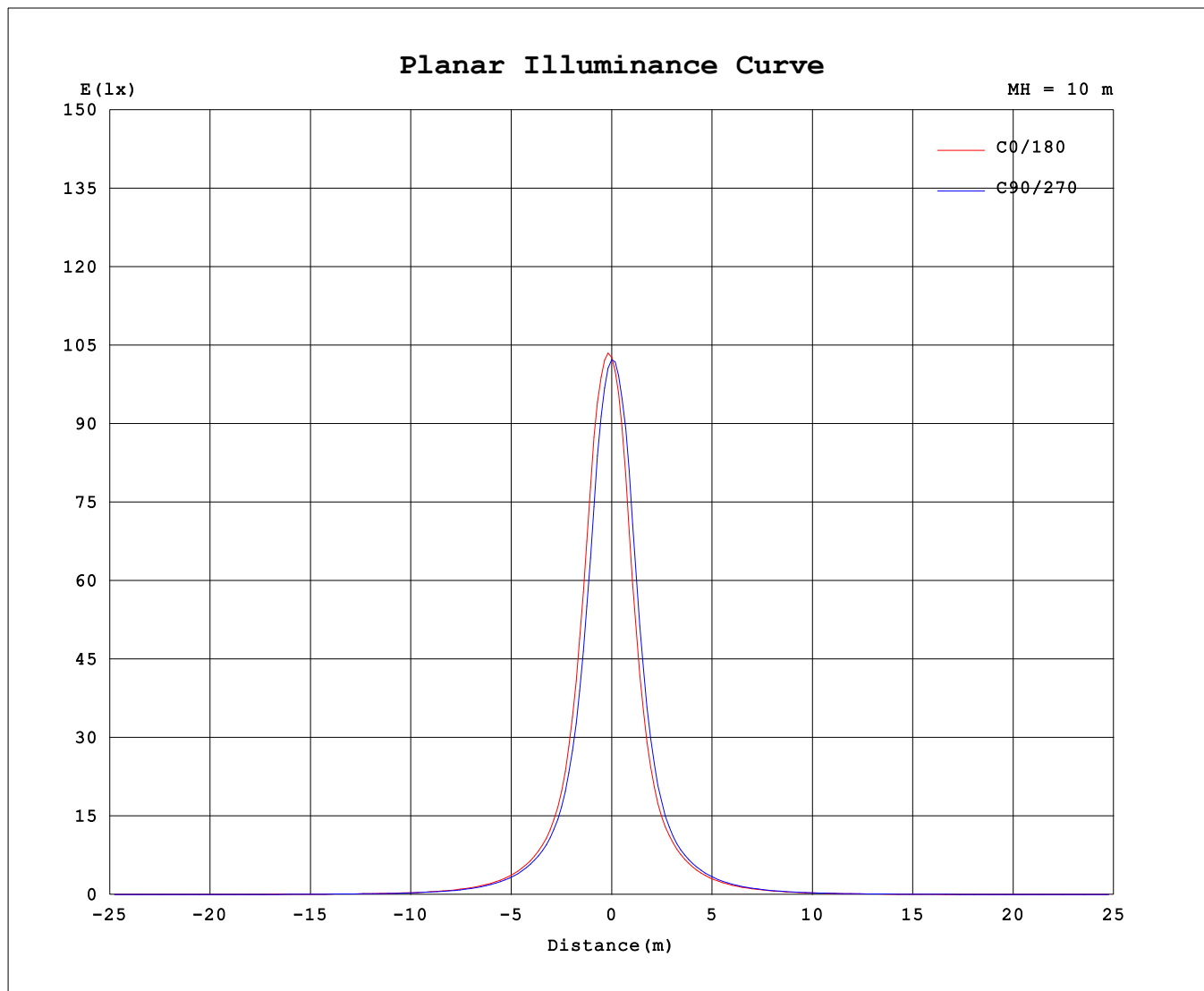
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 12938 |
| L_0~180 (75) av | 2646 |
| L_0~180 (85) av | 871 |
| L_90~270 (65) av | 13365 |
| L_90~270 (75) av | 2660 |
| L_90~270 (85) av | 758 |
| L_45 (65) av | 13004 |
| L_45 (75) av | 2645 |
| L_45 (85) av | 722 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-05

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-11-05

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

| G/C | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 | 225.0 | 270.0 | 315.0 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0 | 10225 | 10225 | 10225 | 10225 | 10225 | 10225 | 10225 | 10225 |
| 3.0 | 9890 | 9602 | 9180 | 8925 | 8922 | 9207 | 9522 | 9824 |
| 6.0 | 7893 | 7285 | 6543 | 6089 | 6009 | 6395 | 7199 | 7774 |
| 9.0 | 5064 | 4621 | 4047 | 3712 | 3618 | 3860 | 4465 | 4949 |
| 12.0 | 3008 | 2808 | 2489 | 2282 | 2182 | 2341 | 2664 | 2930 |
| 15.0 | 1850 | 1770 | 1602 | 1491 | 1431 | 1500 | 1665 | 1806 |
| 18.0 | 1253 | 1204 | 1113 | 1044 | 1010 | 1040 | 1134 | 1219 |
| 21.0 | 901.6 | 867.7 | 809.2 | 762.3 | 732.3 | 757.3 | 822.2 | 881.0 |
| 24.0 | 664.8 | 643.7 | 599.5 | 566.2 | 541.9 | 565.4 | 612.6 | 658.8 |
| 27.0 | 498.9 | 481.3 | 448.2 | 424.2 | 408.1 | 425.6 | 461.0 | 496.4 |
| 30.0 | 378.7 | 363.4 | 339.4 | 322.0 | 311.4 | 323.8 | 350.6 | 376.7 |
| 33.0 | 289.7 | 276.5 | 258.8 | 246.9 | 239.8 | 248.4 | 268.8 | 288.2 |
| 36.0 | 222.9 | 213.7 | 198.8 | 192.0 | 186.7 | 192.1 | 207.9 | 221.9 |
| 39.0 | 172.8 | 165.3 | 154.5 | 150.6 | 146.5 | 150.0 | 161.7 | 172.1 |
| 42.0 | 135.2 | 129.9 | 122.1 | 119.3 | 116.2 | 118.5 | 127.5 | 134.9 |
| 45.0 | 107.2 | 103.3 | 97.59 | 95.75 | 93.37 | 95.51 | 102.1 | 107.0 |
| 48.0 | 86.67 | 83.20 | 80.10 | 78.52 | 76.31 | 77.38 | 82.89 | 86.66 |
| 51.0 | 70.52 | 69.28 | 67.97 | 66.30 | 63.61 | 63.71 | 68.30 | 70.57 |
| 54.0 | 58.58 | 56.84 | 55.75 | 52.28 | 50.97 | 52.52 | 56.87 | 57.92 |
| 57.0 | 46.69 | 45.23 | 44.15 | 42.27 | 41.68 | 42.72 | 46.00 | 47.18 |
| 60.0 | 38.16 | 37.01 | 36.16 | 34.47 | 33.88 | 34.82 | 37.66 | 38.56 |
| 63.0 | 29.82 | 28.56 | 27.25 | 25.20 | 24.51 | 25.71 | 28.79 | 29.89 |
| 66.0 | 20.18 | 19.08 | 17.67 | 15.82 | 15.26 | 16.26 | 19.06 | 20.01 |
| 69.0 | 11.86 | 11.13 | 10.38 | 9.386 | 9.053 | 9.722 | 11.24 | 11.90 |
| 72.0 | 6.192 | 5.252 | 4.391 | 3.892 | 3.753 | 4.257 | 5.332 | 6.188 |
| 75.0 | 2.842 | 2.644 | 2.489 | 2.398 | 2.363 | 2.463 | 2.744 | 2.902 |
| 78.0 | 1.944 | 1.827 | 1.726 | 1.681 | 1.676 | 1.712 | 1.873 | 1.962 |
| 81.0 | 1.383 | 1.277 | 1.175 | 1.095 | 1.102 | 1.158 | 1.325 | 1.382 |
| 84.0 | 0.6902 | 0.4918 | 0.3118 | 0.2193 | 0.2474 | 0.2928 | 0.5482 | 0.6795 |
| 87.0 | 0.1856 | 0.1346 | 0.1329 | 0.0827 | 0.1035 | 0.1043 | 0.1636 | 0.1560 |
| 90.0 | 0.0635 | 0.0375 | 0.0697 | 0.0427 | 0.0470 | 0.0394 | 0.0537 | 0.0404 |

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks: