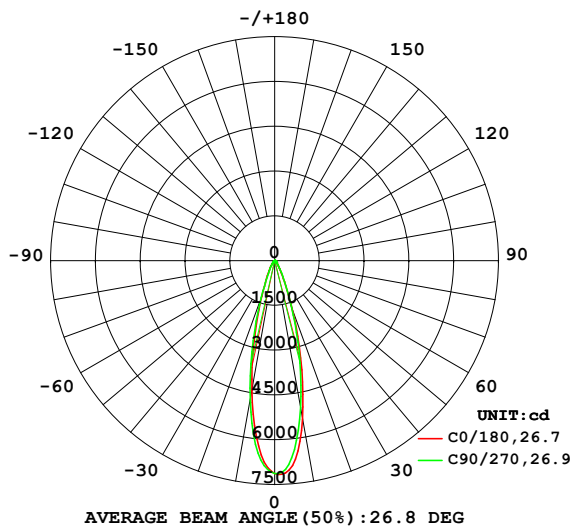


LUMINAIRE PHOTOMETRIC TEST REPORT

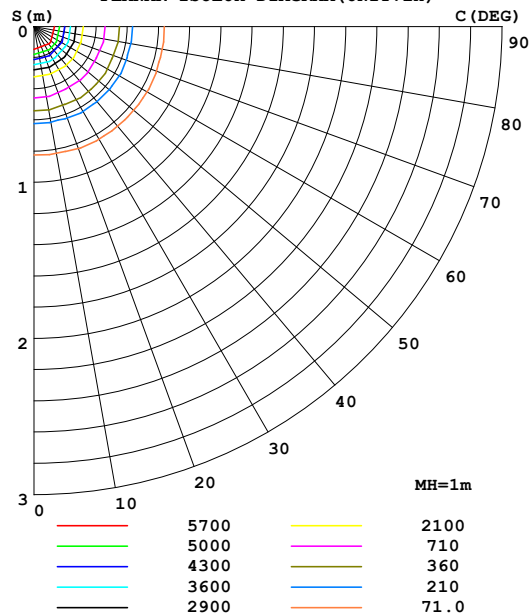
| | | |
|---|------------|------------------|
| Test:U:240.5V I:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 100.84 lm/W | | | |
|------------------|---------|-----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 7159 | S/MH(C0/180) | 0.41 |
| NOMINAL POWER(W) | 20 | LOR(%) | 100.0 | S/MH(C90/270) | 0.44 |
| RATED VOLTAGE(V) | 240 | TOTAL FLUX(lm) | 2019.0 | η UP,DN(C0-180) | 0.0,53.4 |
| NOMINAL FLUX(lm) | 2018.99 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,46.6 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 240.42 | 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: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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 | 5388 | 5343 | 5003 | 4661 | 4426 | 4456 | 4745 | 5103 | 0- 10 | 570.9 | 570.9 | 28.3,28.3 |
| 20 | 1754 | 1800 | 1671 | 1447 | 1266 | 1210 | 1318 | 1536 | 10- 20 | 815.5 | 1386 | 68.7,68.7 |
| 30 | 410.0 | 437.9 | 435.7 | 404.9 | 361.1 | 327.3 | 332.7 | 362.9 | 20- 30 | 348.7 | 1735 | 85.9,85.9 |
| 40 | 143.7 | 153.9 | 150.6 | 143.6 | 130.8 | 120.3 | 122.8 | 130.2 | 30- 40 | 145.4 | 1880 | 93.1,93.1 |
| 50 | 64.07 | 71.36 | 69.19 | 67.00 | 61.40 | 58.95 | 59.02 | 60.21 | 40- 50 | 71.39 | 1952 | 96.7,96.7 |
| 60 | 34.15 | 35.69 | 36.23 | 32.93 | 30.33 | 29.22 | 31.07 | 32.12 | 50- 60 | 41.59 | 1993 | 98.7,98.7 |
| 70 | 13.11 | 13.27 | 11.31 | 8.305 | 5.999 | 6.707 | 9.542 | 11.41 | 60- 70 | 20.99 | 2014 | 99.8,99.8 |
| 80 | 1.862 | 1.773 | 1.514 | 1.183 | 1.062 | 1.110 | 1.376 | 1.647 | 70- 80 | 3.974 | 2018 | 100,100 |
| 90 | 0.1000 | 0.0620 | 0.0803 | 0.0504 | 0.0592 | 0.0543 | 0.0668 | 0.0562 | 80- 90 | 0.5515 | 2019 | 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:cd | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 1921.4 lm

%lum = 95.2%

%lamp = 95.2%

Conical surface Flux(120deg): 1993.5 lm

%lum = 98.7%

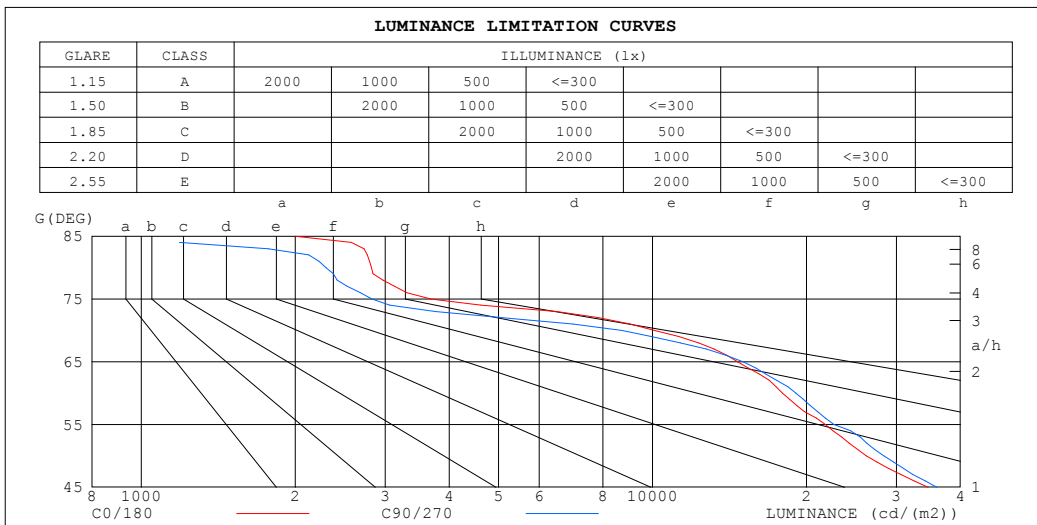
%lamp = 98.7%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



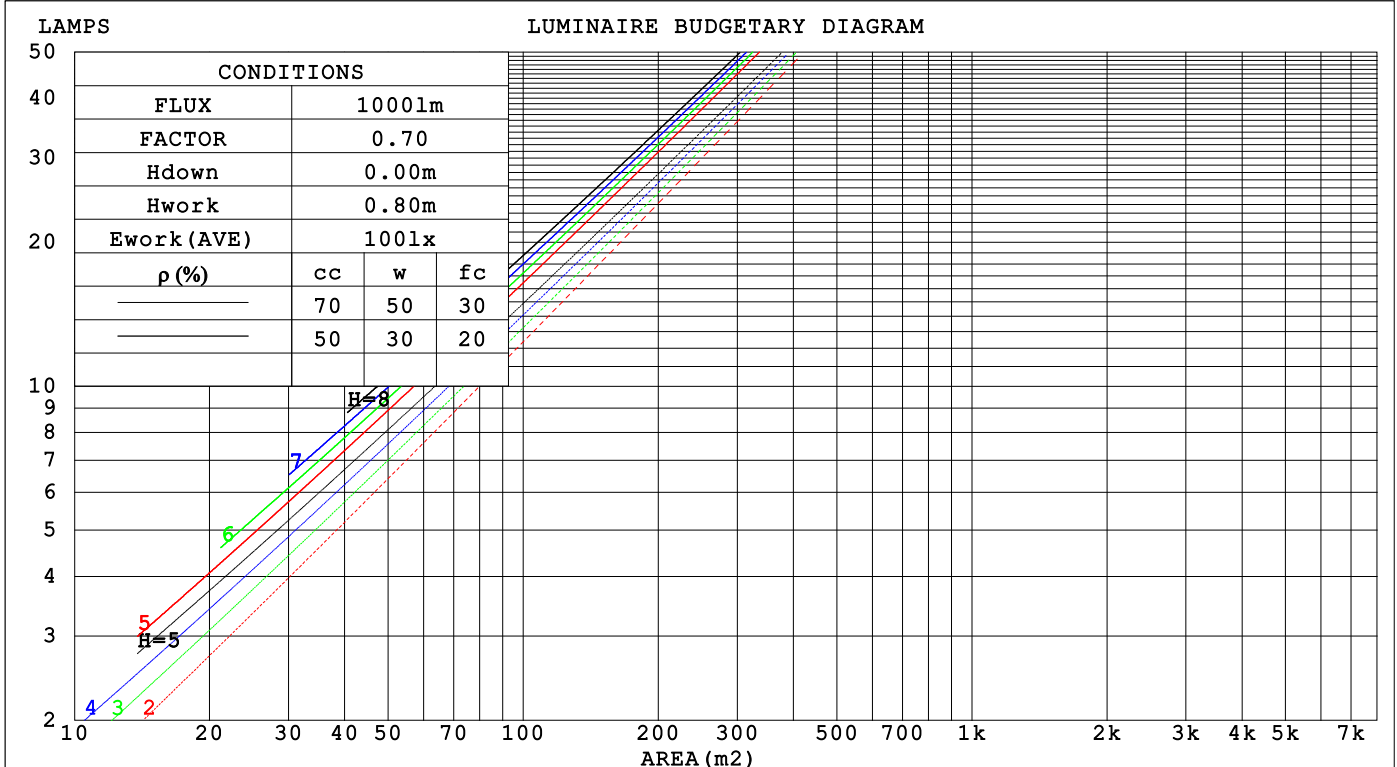
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D | 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: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D | 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 | .079 | .024 | .139 | .077 | .024 | .129 | .072 | .022 | .119 | .067 | .021 | .111 | .063 | .020 | | | | | | | | | | | | | | | |
| 3.0 | .136 | .072 | .022 | .131 | .070 | .021 | .123 | .066 | .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 | .121 | .062 | .018 | .117 | .060 | .018 | .111 | .058 | .017 | .105 | .055 | .016 | .100 | .053 | .016 | | | | | | | | | | | | | | | |
| 6.0 | .114 | .057 | .016 | .111 | .056 | .016 | .106 | .054 | .016 | .101 | .052 | .015 | .096 | .050 | .015 | | | | | | | | | | | | | | | |
| 7.0 | .109 | .054 | .015 | .106 | .053 | .015 | .101 | .051 | .015 | .097 | .050 | .014 | .092 | .048 | .014 | | | | | | | | | | | | | | | |
| 8.0 | .103 | .051 | .014 | .101 | .050 | .014 | .097 | .048 | .014 | .093 | .047 | .014 | .089 | .046 | .013 | | | | | | | | | | | | | | | |
| 9.0 | .099 | .048 | .013 | .097 | .047 | .013 | .093 | .046 | .013 | .089 | .045 | .013 | .086 | .044 | .013 | | | | | | | | | | | | | | | |
| 10.0 | .094 | .045 | .013 | .093 | .045 | .012 | .089 | .044 | .012 | .086 | .043 | .012 | .083 | .042 | .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 | .063 | .101 | .075 | .055 | .069 | .052 | .039 | .040 | .031 | .023 | .013 | .010 | .008 | |
| 6.0 | .109 | .076 | .053 | .093 | .066 | .047 | .064 | .046 | .033 | .037 | .027 | .020 | .012 | .009 | .006 | |
| 7.0 | .101 | .069 | .046 | .087 | .059 | .040 | .060 | .042 | .028 | .035 | .025 | .017 | .011 | .008 | .006 | |
| 8.0 | .095 | .062 | .039 | .082 | .054 | .034 | .057 | .038 | .024 | .033 | .022 | .014 | .011 | .007 | .005 | |
| 9.0 | .089 | .056 | .034 | .077 | .049 | .030 | .053 | .034 | .021 | .031 | .020 | .013 | .010 | .007 | .004 | |
| 10.0 | .085 | .052 | .030 | .073 | .045 | .026 | .051 | .032 | .019 | .029 | .019 | .011 | .010 | .006 | .004 | |

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | | | | | | | | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D 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 | 18.4 | 19.2 | 18.6 | 19.3 | 19.5 | 18.6 | 19.4 | 18.9 | 19.6 | 19.7 |
| 3H | 18.7 | 19.5 | 19.0 | 19.6 | 19.8 | 18.9 | 19.6 | 19.1 | 19.8 | 20.0 |
| 4H | 18.7 | 19.4 | 19.0 | 19.6 | 19.8 | 18.8 | 19.5 | 19.1 | 19.7 | 19.9 |
| 6H | 18.6 | 19.3 | 18.9 | 19.5 | 19.8 | 18.8 | 19.4 | 19.0 | 19.6 | 19.9 |
| 8H | 18.6 | 19.2 | 18.9 | 19.5 | 19.7 | 18.7 | 19.3 | 19.0 | 19.6 | 19.8 |
| 12H | 18.6 | 19.2 | 18.9 | 19.4 | 19.7 | 18.7 | 19.3 | 19.0 | 19.5 | 19.8 |
| 4H 2H | 18.6 | 19.3 | 18.9 | 19.5 | 19.7 | 18.8 | 19.4 | 19.0 | 19.7 | 19.9 |
| 3H | 19.0 | 19.5 | 19.3 | 19.8 | 20.1 | 19.1 | 19.7 | 19.4 | 19.9 | 20.2 |
| 4H | 18.9 | 19.5 | 19.3 | 19.8 | 20.1 | 19.0 | 19.5 | 19.3 | 19.8 | 20.1 |
| 6H | 18.9 | 19.3 | 19.2 | 19.7 | 20.0 | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 |
| 8H | 18.8 | 19.3 | 19.2 | 19.6 | 20.0 | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 |
| 12H | 18.8 | 19.2 | 19.2 | 19.5 | 19.9 | 18.8 | 19.2 | 19.2 | 19.6 | 20.0 |
| 8H 4H | 18.8 | 19.3 | 19.2 | 19.6 | 20.0 | 18.9 | 19.3 | 19.3 | 19.7 | 20.1 |
| 6H | 18.7 | 19.1 | 19.2 | 19.5 | 19.9 | 18.8 | 19.2 | 19.2 | 19.6 | 20.0 |
| 8H | 18.7 | 19.0 | 19.1 | 19.4 | 19.9 | 18.8 | 19.1 | 19.2 | 19.5 | 19.9 |
| 12H | 18.7 | 18.9 | 19.1 | 19.4 | 19.8 | 18.7 | 19.0 | 19.2 | 19.4 | 19.9 |
| 12H 4H | 18.8 | 19.2 | 19.2 | 19.5 | 19.9 | 18.8 | 19.3 | 19.3 | 19.6 | 20.0 |
| 6H | 18.7 | 19.0 | 19.1 | 19.4 | 19.9 | 18.8 | 19.1 | 19.2 | 19.5 | 19.9 |
| 8H | 18.7 | 18.9 | 19.1 | 19.4 | 19.8 | 18.7 | 19.0 | 19.2 | 19.4 | 19.9 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 1.2 / - 1.9 | | | | | + 1.3 / - 1.9 | | | | |
| 1.5H | + 1.9 / - 1.3 | | | | | + 2.0 / - 1.2 | | | | |
| 2.0H | + 1.8 / - 1.3 | | | | | + 1.8 / - 1.4 | | | | |

CIE Pub.117, 2019 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.4$)
Area: 0.0038 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | | WEIGHT: |
| SPEC.: | | SERIAL No.: |
| MFR.: Norming lighting | | Shielding Angle: |
| DIM.: | | |
| SUR.: 70mm | | |

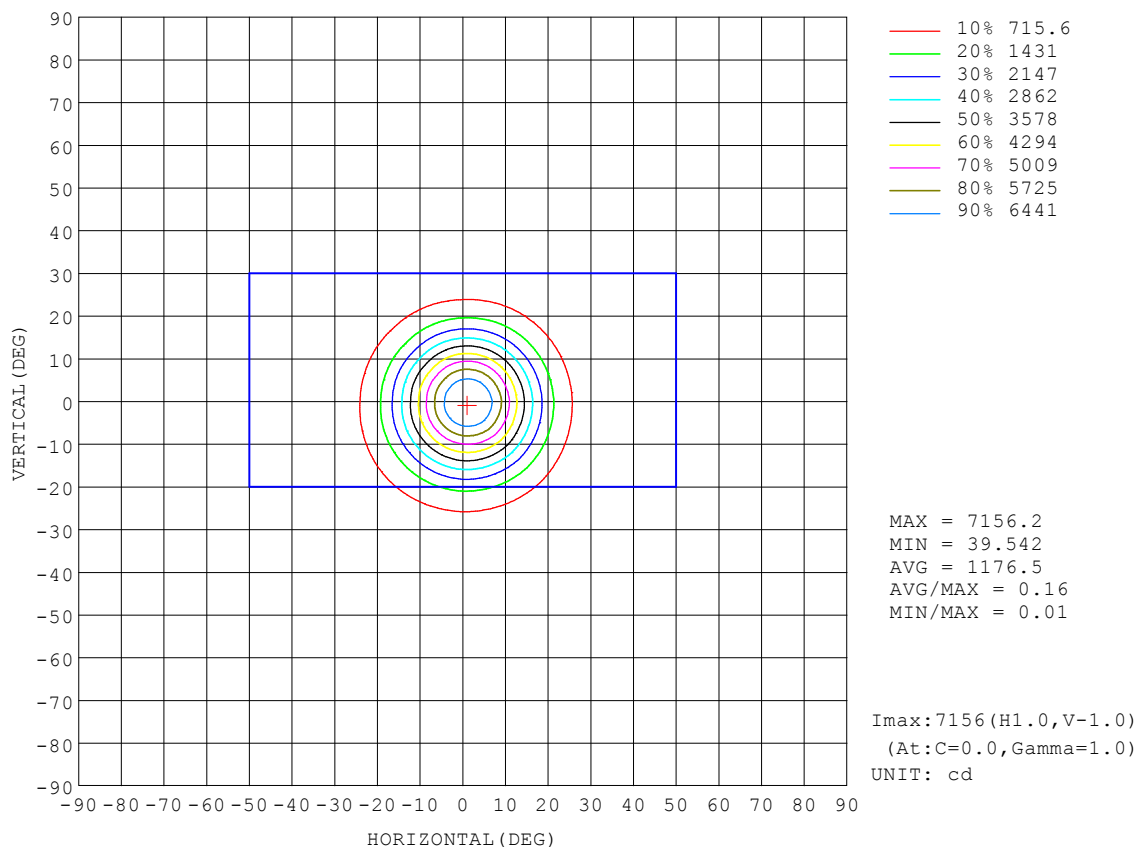
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 87 | 81 | 77 | 87 | 81 | 77 | 86 | 80 | 77 | 73 |
| 0.80 | 95 | 89 | 85 | 94 | 88 | 85 | 93 | 88 | 85 | 81 |
| 1.00 | 99 | 93 | 90 | 98 | 93 | 90 | 97 | 93 | 89 | 85 |
| 1.25 | 103 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 106 | 101 | 98 | 105 | 100 | 97 | 102 | 99 | 96 | 92 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 94 |
| 2.50 | 110 | 106 | 103 | 109 | 105 | 103 | 105 | 103 | 101 | 95 |
| 3.00 | 112 | 108 | 106 | 110 | 107 | 105 | 107 | 104 | 102 | 96 |
| 4.00 | 114 | 111 | 109 | 112 | 109 | 107 | 108 | 106 | 105 | 98 |
| 5.00 | 115 | 113 | 111 | 113 | 111 | 109 | 109 | 108 | 106 | 99 |
| 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: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 Lamp Flux:2018.99x1 lm | | |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |

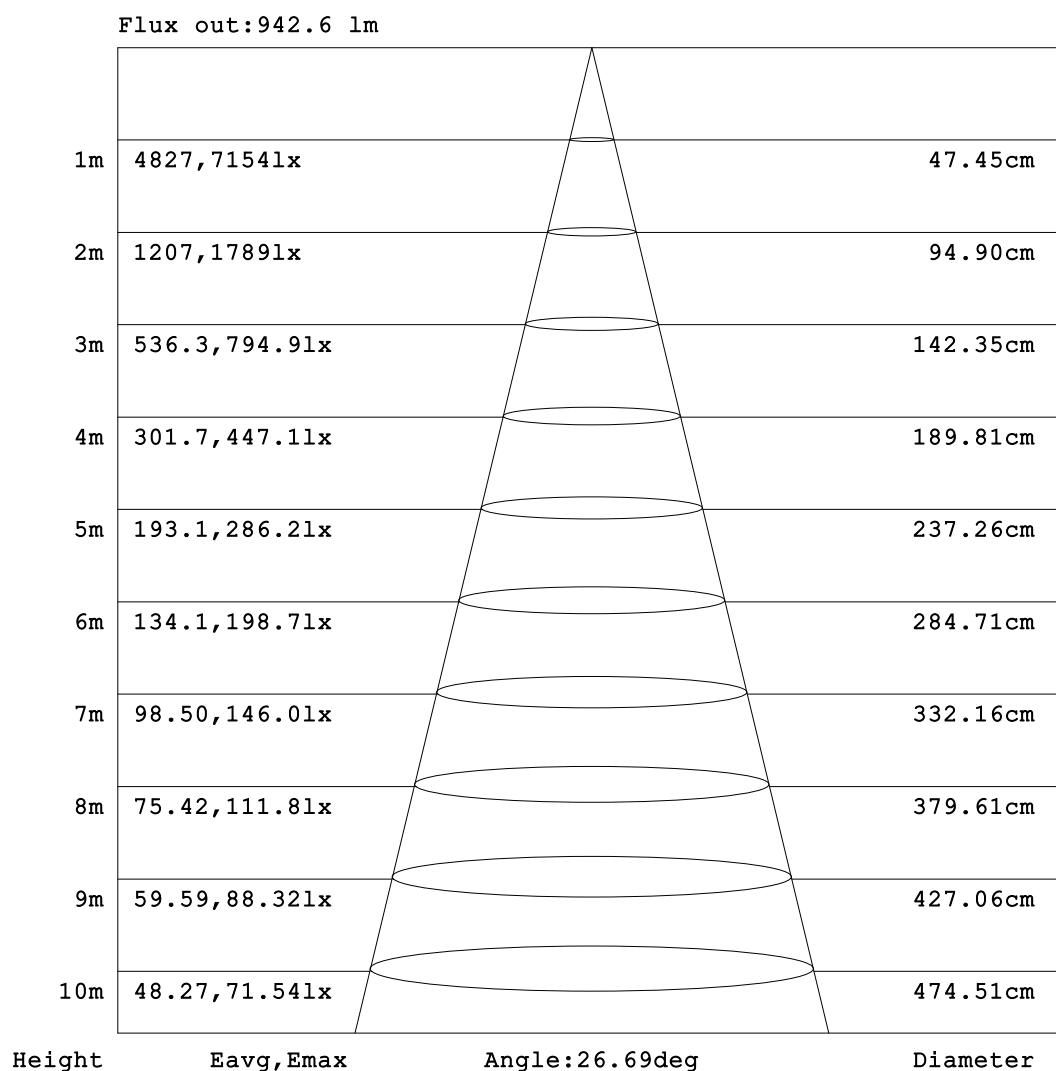


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 | | Lamp Flux:2018.99x1 lm |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | WEIGHT: | |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



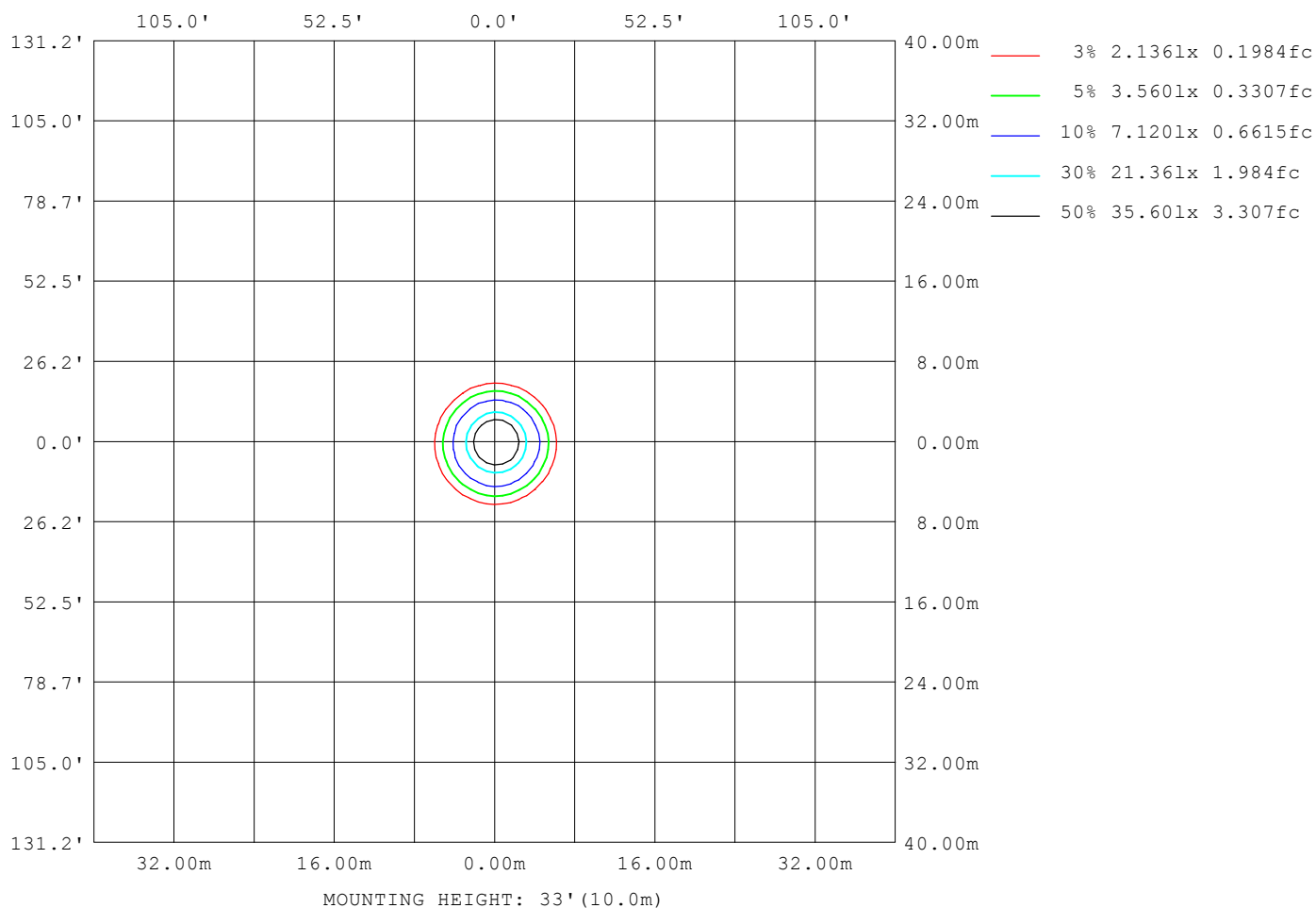
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
| UTHDi:0.17% ITHDi:5.76% KDisp:0.9869 | | Lamp Flux:2018.99x1 lm |
| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: Norming lighting | SUR.: 70mm | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-11-06

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:0.0845A P:20.0W PF:0.9852 Freq:49.99Hz | | |
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| NAME: FUSION GT-TR01-AHD-020-COB-01SC 2700K RA90 24D TYPE: | WEIGHT: | |
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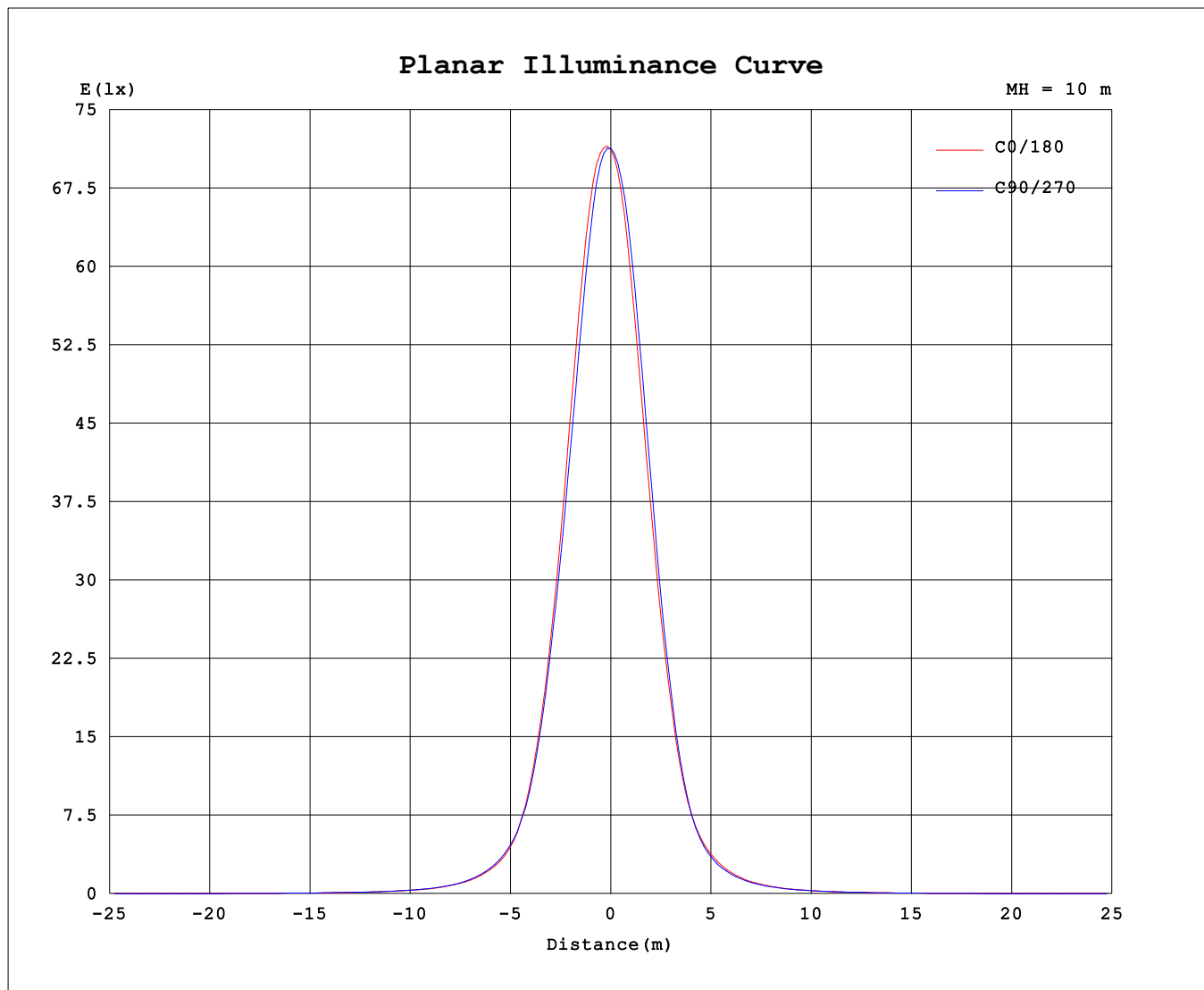
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 12997 |
| L_0~180 (75) av | 2899 |
| L_0~180 (85) av | 1253 |
| L_90~270 (65) av | 13706 |
| L_90~270 (75) av | 2712 |
| L_90~270 (85) av | 746 |
| L_45 (65) av | 13165 |
| L_45 (75) av | 2779 |
| L_45 (85) av | 905 |

Standard: GB/T 29293-2012

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γ Range: 0 - 90DEG
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Remarks:

Planar Illuminance Curve



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C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-11-06

γ Range: 0 - 90DEG
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Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
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```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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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 | 7125 | 7125 | 7125 | 7125 | 7125 | 7125 | 7125 | 7125 |
| 3.0 | 7117 | 7111 | 6998 | 6853 | 6757 | 6763 | 6873 | 7010 |
| 6.0 | 6683 | 6636 | 6366 | 6094 | 5915 | 5953 | 6193 | 6463 |
| 9.0 | 5764 | 5708 | 5370 | 5041 | 4814 | 4851 | 5136 | 5485 |
| 12.0 | 4580 | 4579 | 4262 | 3916 | 3663 | 3668 | 3943 | 4290 |
| 15.0 | 3372 | 3426 | 3188 | 2869 | 2608 | 2577 | 2781 | 3098 |
| 18.0 | 2327 | 2380 | 2220 | 1955 | 1724 | 1672 | 1817 | 2077 |
| 21.0 | 1507 | 1548 | 1437 | 1245 | 1087 | 1025 | 1113 | 1307 |
| 24.0 | 939.4 | 960.9 | 928.0 | 820.7 | 721.6 | 663.6 | 693.5 | 787.3 |
| 27.0 | 591.9 | 629.5 | 619.0 | 569.3 | 505.3 | 459.6 | 469.3 | 516.1 |
| 30.0 | 410.0 | 437.9 | 435.7 | 404.9 | 361.1 | 327.3 | 332.7 | 362.9 |
| 33.0 | 294.3 | 313.4 | 311.4 | 291.3 | 260.6 | 237.7 | 242.2 | 262.5 |
| 36.0 | 214.5 | 227.9 | 225.1 | 213.8 | 191.4 | 175.1 | 179.2 | 192.7 |
| 39.0 | 158.4 | 169.4 | 165.8 | 157.8 | 143.4 | 131.7 | 134.5 | 143.3 |
| 42.0 | 119.3 | 128.0 | 125.2 | 119.6 | 109.7 | 101.4 | 103.5 | 108.8 |
| 45.0 | 92.98 | 98.96 | 96.65 | 93.00 | 86.05 | 80.79 | 81.84 | 85.38 |
| 48.0 | 73.62 | 80.25 | 78.67 | 76.15 | 69.99 | 66.12 | 66.38 | 68.35 |
| 51.0 | 60.31 | 66.76 | 65.01 | 62.66 | 57.70 | 55.18 | 56.00 | 56.87 |
| 54.0 | 50.34 | 53.87 | 54.45 | 49.00 | 46.27 | 44.32 | 45.38 | 47.73 |
| 57.0 | 41.10 | 43.00 | 43.52 | 40.46 | 38.31 | 36.79 | 37.71 | 38.50 |
| 60.0 | 34.15 | 35.69 | 36.23 | 32.93 | 30.33 | 29.22 | 31.07 | 32.12 |
| 63.0 | 27.98 | 29.09 | 28.76 | 25.50 | 23.22 | 22.47 | 24.03 | 25.53 |
| 66.0 | 21.63 | 22.52 | 21.51 | 17.97 | 15.59 | 15.49 | 17.76 | 19.54 |
| 69.0 | 15.34 | 15.63 | 13.54 | 10.89 | 8.955 | 9.026 | 11.33 | 13.31 |
| 72.0 | 9.207 | 9.233 | 5.940 | 3.832 | 3.217 | 3.447 | 4.877 | 7.757 |
| 75.0 | 3.628 | 3.356 | 2.781 | 2.316 | 2.074 | 2.170 | 2.555 | 3.092 |
| 78.0 | 2.349 | 2.203 | 1.909 | 1.568 | 1.425 | 1.475 | 1.741 | 2.051 |
| 81.0 | 1.663 | 1.566 | 1.322 | 0.9887 | 0.8136 | 0.8940 | 1.191 | 1.445 |
| 84.0 | 1.023 | 0.8733 | 0.4710 | 0.2051 | 0.2090 | 0.2008 | 0.3665 | 0.7262 |
| 87.0 | 0.2382 | 0.1757 | 0.1589 | 0.0856 | 0.0856 | 0.0781 | 0.1540 | 0.1707 |
| 90.0 | 0.1000 | 0.0620 | 0.0803 | 0.0504 | 0.0592 | 0.0543 | 0.0668 | 0.0562 |

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