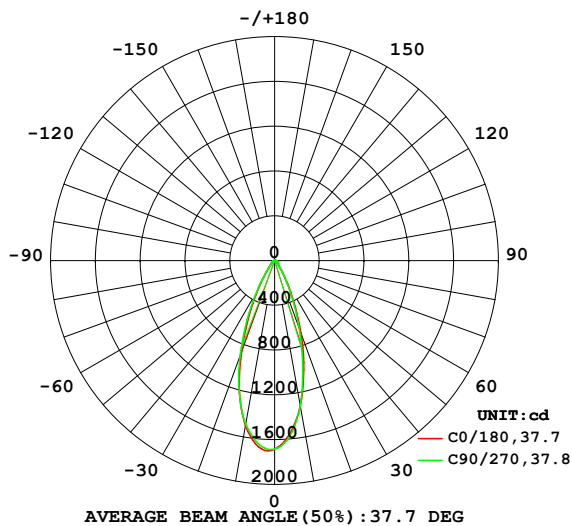


LUMINAIRE PHOTOMETRIC TEST REPORT

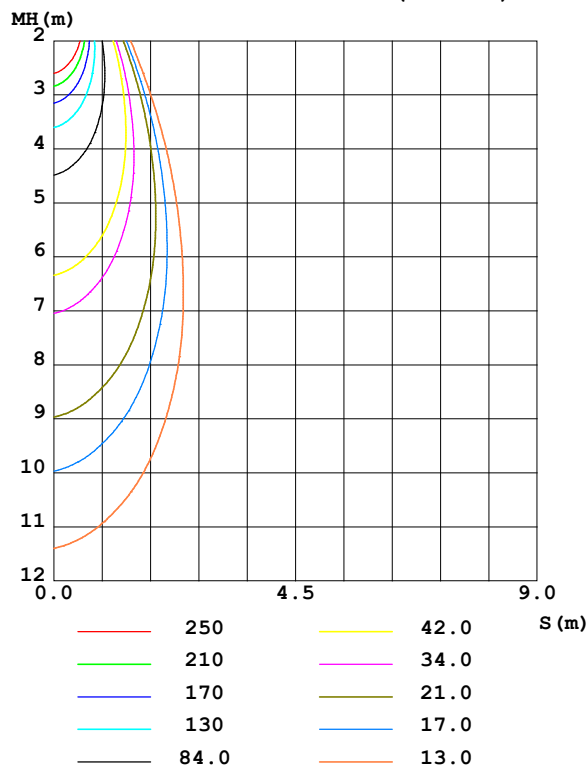
| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 93.88 lm/W |
|------------------|----------------------|------------------|--------|------------------------|----------|-----------------|
| MODEL | VO-SMD4W9-120-D-5WAY | Imax (cd) | 1701 | S/MH(C0/180) | 0.65 | |
| NOMINAL POWER(W) | 9 | LOR(%) | 100.0 | S/MH(C90/270) | 0.67 | |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 853.89 | η UP,DN(C0-180) | 0.0,45.3 | |
| NOMINAL FLUX(lm) | 853.894 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,54.7 | |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | CIBSE SHR NOM | 0.50 | |
| TEST VOLTAGE(V) | 120 | η down (%) | 100.0 | CIBSE SHR MAX | 0.65 | |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3 °C
Operators:
Test Date: 2024-03-31

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

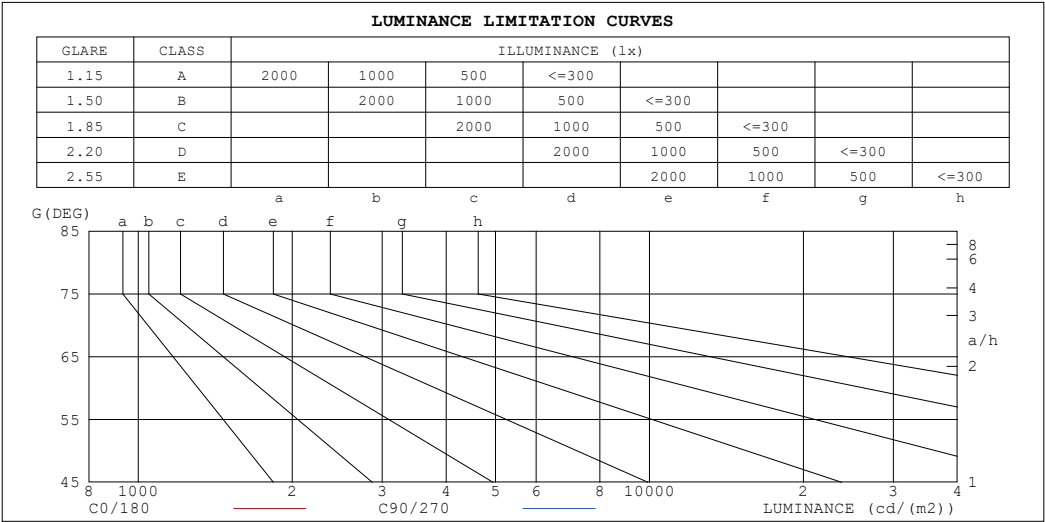
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 1320 | 1279 | 1318 | 1420 | 1498 | 1505 | 1484 | 1421 | 0- 10 | 147.1 | 147.1 | 17.2,17.2 |
| 20 | 686.6 | 632.0 | 647.8 | 730.9 | 863.8 | 914.0 | 902.2 | 810.3 | 10- 20 | 302.3 | 449.4 | 52.6,52.6 |
| 30 | 215.1 | 185.5 | 200.9 | 239.6 | 299.9 | 336.5 | 323.6 | 283.2 | 20- 30 | 219.3 | 668.7 | 78.3,78.3 |
| 40 | 59.28 | 59.07 | 61.08 | 68.26 | 77.80 | 88.69 | 78.40 | 70.47 | 30- 40 | 87.68 | 756.3 | 88.6,88.6 |
| 50 | 31.34 | 31.09 | 31.66 | 33.87 | 36.39 | 39.02 | 36.73 | 34.24 | 40- 50 | 36.85 | 793.2 | 92.9,92.9 |
| 60 | 24.01 | 22.91 | 23.56 | 24.84 | 26.05 | 27.48 | 27.32 | 26.35 | 50- 60 | 25.99 | 819.2 | 95.9,95.9 |
| 70 | 14.67 | 14.34 | 15.19 | 16.77 | 18.01 | 18.47 | 17.92 | 16.16 | 60- 70 | 20.82 | 840.0 | 98.4,98.4 |
| 80 | 3.826 | 4.634 | 6.754 | 5.841 | 5.545 | 6.448 | 8.279 | 5.623 | 70- 80 | 11.59 | 851.6 | 99.7,99.7 |
| 90 | 0.0785 | 0.0859 | 0.0974 | 0.0861 | 0.0534 | 0.0513 | 0.0670 | 0.0538 | 80- 90 | 2.297 | 853.9 | 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 | | |

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2024-03-31

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 17 | 190 |
| 80 | 199 | 350 |
| 75 | 281 | 373 |
| 70 | 387 | 399 |
| 65 | 411 | 414 |
| 60 | 434 | 424 |
| 55 | 429 | 421 |
| 50 | 440 | 443 |
| 45 | 519 | 528 |

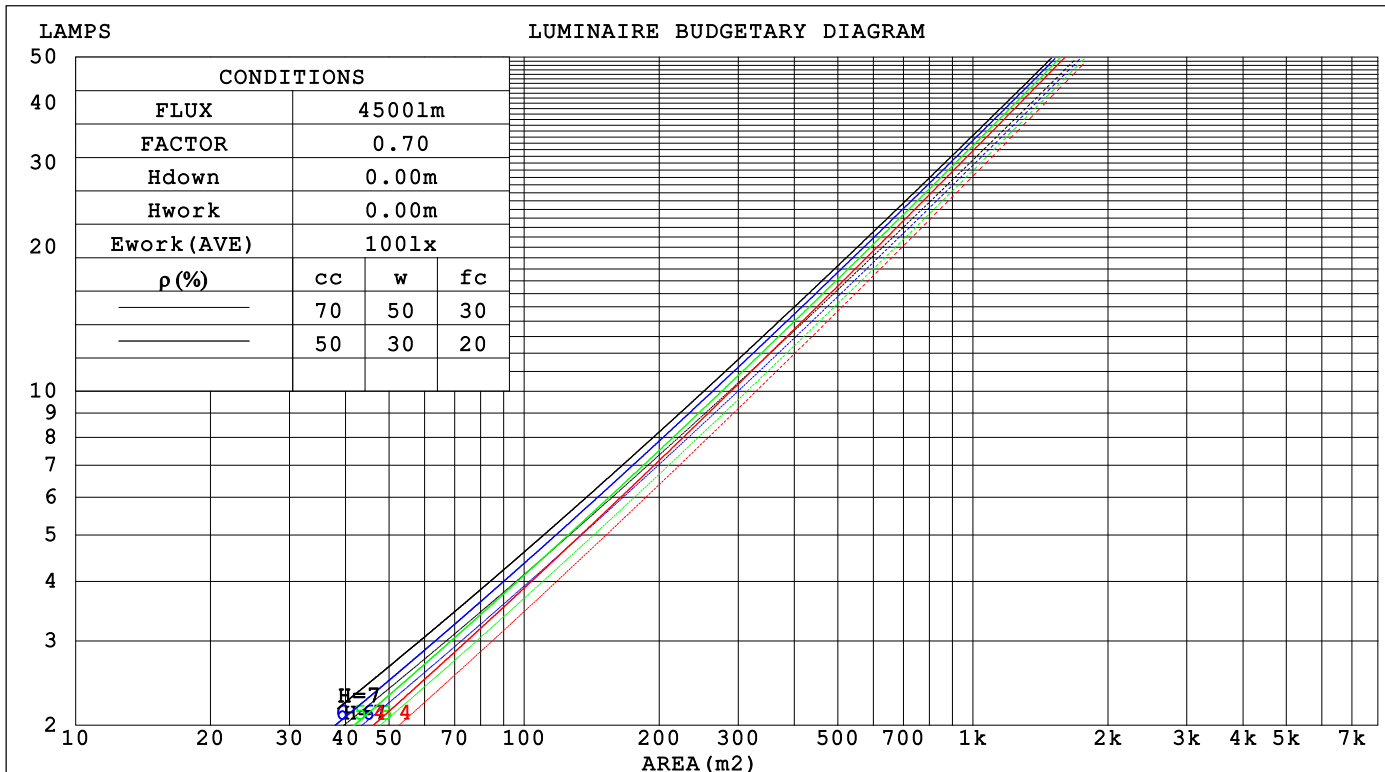
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | 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 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0 | 1.11 | 1.08 | 1.06 | 1.08 | 1.06 | 1.04 | 1.04 | 1.03 | 1.01 | 1.01 | .99 | .98 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .99 | .96 | 1.01 | .98 | .95 | .98 | .95 | .92 | .95 | .93 | .90 | .92 | .90 | .89 | .87 |
| 3.0 | .96 | .92 | .88 | .95 | .91 | .87 | .92 | .89 | .86 | .90 | .87 | .84 | .88 | .85 | .83 | .81 |
| 4.0 | .91 | .85 | .81 | .90 | .85 | .81 | .87 | .83 | .80 | .85 | .82 | .79 | .84 | .81 | .78 | .77 |
| 5.0 | .86 | .80 | .76 | .85 | .79 | .76 | .83 | .78 | .75 | .81 | .77 | .74 | .80 | .76 | .74 | .72 |
| 6.0 | .81 | .75 | .71 | .80 | .75 | .71 | .79 | .74 | .71 | .77 | .73 | .70 | .76 | .73 | .70 | .68 |
| 7.0 | .77 | .71 | .67 | .76 | .71 | .67 | .75 | .70 | .67 | .74 | .70 | .67 | .73 | .69 | .66 | .65 |
| 8.0 | .73 | .68 | .64 | .73 | .68 | .64 | .72 | .67 | .64 | .71 | .66 | .63 | .70 | .66 | .63 | .62 |
| 9.0 | .70 | .65 | .61 | .70 | .64 | .61 | .69 | .64 | .61 | .68 | .63 | .60 | .67 | .63 | .60 | .59 |
| 10.0 | .67 | .62 | .58 | .67 | .61 | .58 | .66 | .61 | .58 | .65 | .61 | .58 | .64 | .60 | .58 | .56 |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | | | | |
|---|--|--|---------------------------------|--|--|------------------------|--|--|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz | | | UTHDi:0.00% ITHDi:0.00% KDisp:0 | | | Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 5000K 90 | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VOTATEC | | | 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 | .181 | .103 | .033 | .175 | .100 | .032 | .162 | .093 | .030 | .151 | .087 | .028 | .140 | .081 | .026 | | |
| 2.0 | .171 | .094 | .029 | .165 | .091 | .028 | .155 | .086 | .027 | .145 | .081 | .025 | .136 | .077 | .024 | | |
| 3.0 | .161 | .085 | .026 | .156 | .083 | .025 | .147 | .079 | .024 | .138 | .076 | .023 | .131 | .072 | .022 | | |
| 4.0 | .151 | .078 | .023 | .147 | .077 | .023 | .139 | .074 | .022 | .132 | .071 | .021 | .125 | .068 | .021 | | |
| 5.0 | .142 | .072 | .021 | .139 | .071 | .021 | .132 | .069 | .020 | .126 | .066 | .020 | .120 | .064 | .019 | | |
| 6.0 | .134 | .067 | .019 | .131 | .066 | .019 | .125 | .064 | .019 | .120 | .062 | .018 | .115 | .060 | .018 | | |
| 7.0 | .127 | .063 | .018 | .125 | .062 | .018 | .119 | .060 | .017 | .115 | .059 | .017 | .110 | .057 | .017 | | |
| 8.0 | .121 | .059 | .017 | .119 | .058 | .017 | .114 | .057 | .016 | .110 | .056 | .016 | .106 | .054 | .016 | | |
| 9.0 | .115 | .056 | .016 | .113 | .055 | .015 | .109 | .054 | .015 | .105 | .053 | .015 | .102 | .052 | .015 | | |
| 10.0 | .110 | .053 | .015 | .108 | .052 | .015 | .105 | .051 | .014 | .101 | .050 | .014 | .098 | .049 | .014 | | |

| 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 | .171 | .157 | .145 | .147 | .135 | .124 | .100 | .093 | .086 | .058 | .054 | .050 | .018 | .017 | .016 | | |
| 2.0 | .156 | .132 | .113 | .134 | .114 | .097 | .092 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | | |
| 3.0 | .143 | .114 | .090 | .123 | .098 | .078 | .084 | .068 | .055 | .049 | .040 | .032 | .016 | .013 | .011 | | |
| 4.0 | .133 | .099 | .073 | .114 | .085 | .063 | .078 | .059 | .045 | .045 | .035 | .026 | .015 | .011 | .009 | | |
| 5.0 | .123 | .087 | .060 | .106 | .075 | .052 | .073 | .053 | .037 | .042 | .031 | .022 | .014 | .010 | .007 | | |
| 6.0 | .115 | .078 | .051 | .099 | .067 | .044 | .068 | .047 | .031 | .040 | .028 | .019 | .013 | .009 | .006 | | |
| 7.0 | .108 | .070 | .043 | .093 | .061 | .037 | .064 | .042 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | | |
| 8.0 | .102 | .064 | .037 | .088 | .055 | .032 | .061 | .039 | .023 | .035 | .023 | .014 | .011 | .007 | .005 | | |
| 9.0 | .097 | .058 | .032 | .083 | .051 | .028 | .058 | .036 | .020 | .034 | .021 | .012 | .011 | .007 | .004 | | |
| 10.0 | .092 | .054 | .028 | .079 | .047 | .025 | .055 | .033 | .017 | .032 | .019 | .010 | .010 | .006 | .003 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|-----|-----|-----|-------|----------------|-----|------------------|------|------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | | | | | | | | | |
| NAME: VO-SMD4W9-120-D-5WAY | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 5000K 90 | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: VOTATEC | | | | | 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 | 5.5 | 6.4 | 5.7 | 6.6 | 6.7 | 5.5 | 6.4 | 5.8 | 6.6 | 6.8 |
| 3H | 6.8 | 7.6 | 7.0 | 7.8 | 8.0 | 6.8 | 7.7 | 7.1 | 7.9 | 8.1 |
| 4H | 7.2 | 8.0 | 7.5 | 8.2 | 8.4 | 7.4 | 8.2 | 7.7 | 8.4 | 8.6 |
| 6H | 7.3 | 8.1 | 7.6 | 8.3 | 8.6 | 7.8 | 8.6 | 8.1 | 8.8 | 9.1 |
| 8H | 7.3 | 8.1 | 7.7 | 8.3 | 8.6 | 7.9 | 8.6 | 8.2 | 8.9 | 9.2 |
| 12H | 7.3 | 8.0 | 7.6 | 8.3 | 8.5 | 7.9 | 8.6 | 8.3 | 8.9 | 9.2 |
| 4H 2H | 6.0 | 6.8 | 6.3 | 7.0 | 7.2 | 6.0 | 6.8 | 6.3 | 7.0 | 7.2 |
| 3H | 7.4 | 8.1 | 7.8 | 8.4 | 8.7 | 7.5 | 8.2 | 7.8 | 8.5 | 8.7 |
| 4H | 8.0 | 8.6 | 8.3 | 8.9 | 9.2 | 8.2 | 8.8 | 8.5 | 9.1 | 9.4 |
| 6H | 8.2 | 8.7 | 8.5 | 9.1 | 9.4 | 8.7 | 9.3 | 9.1 | 9.6 | 10.0 |
| 8H | 8.2 | 8.7 | 8.6 | 9.0 | 9.4 | 8.9 | 9.4 | 9.3 | 9.8 | 10.1 |
| 12H | 8.1 | 8.6 | 8.5 | 9.0 | 9.4 | 8.9 | 9.4 | 9.3 | 9.8 | 10.2 |
| 8H 4H | 8.1 | 8.7 | 8.5 | 9.0 | 9.4 | 8.4 | 8.9 | 8.8 | 9.2 | 9.6 |
| 6H | 8.4 | 8.9 | 8.9 | 9.3 | 9.7 | 9.0 | 9.5 | 9.5 | 9.8 | 10.3 |
| 8H | 8.5 | 8.8 | 8.9 | 9.3 | 9.7 | 9.2 | 9.6 | 9.7 | 10.0 | 10.5 |
| 12H | 8.4 | 8.7 | 8.9 | 9.2 | 9.6 | 9.3 | 9.6 | 9.8 | 10.1 | 10.5 |
| 12H 4H | 8.1 | 8.6 | 8.5 | 9.0 | 9.4 | 8.3 | 8.8 | 8.7 | 9.2 | 9.6 |
| 6H | 8.4 | 8.8 | 8.9 | 9.2 | 9.7 | 9.0 | 9.4 | 9.5 | 9.8 | 10.3 |
| 8H | 8.5 | 8.8 | 8.9 | 9.2 | 9.7 | 9.2 | 9.6 | 9.7 | 10.0 | 10.5 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.3 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |
| 1.5H | + 0.6 / - 0.3 | | | | | + 0.5 / - 0.3 | | | | |
| 2.0H | + 0.4 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117, 853.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.5)
Area: 0.111111 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz | | |
| UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |

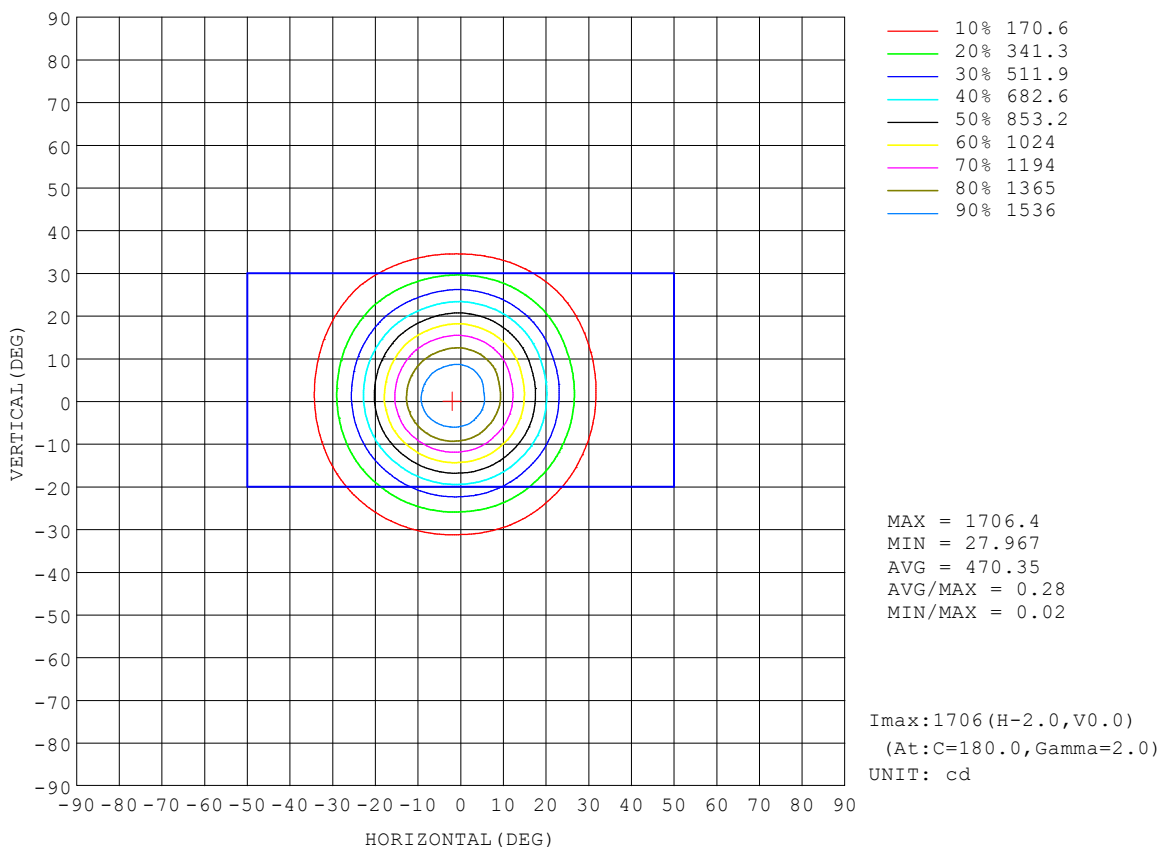
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 85 | 78 | 74 | 84 | 78 | 74 | 83 | 77 | 73 | 70 |
| 0.80 | 92 | 86 | 82 | 91 | 85 | 81 | 90 | 85 | 81 | 77 |
| 1.00 | 97 | 91 | 87 | 96 | 90 | 86 | 94 | 90 | 86 | 82 |
| 1.25 | 101 | 95 | 91 | 100 | 95 | 91 | 98 | 93 | 90 | 86 |
| 1.50 | 104 | 99 | 95 | 103 | 98 | 94 | 100 | 96 | 93 | 89 |
| 2.00 | 107 | 102 | 99 | 106 | 101 | 98 | 103 | 99 | 97 | 91 |
| 2.50 | 109 | 105 | 101 | 107 | 103 | 100 | 104 | 101 | 99 | 92 |
| 3.00 | 111 | 107 | 104 | 109 | 105 | 103 | 105 | 103 | 101 | 94 |
| 4.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 96 |
| 5.00 | 114 | 112 | 110 | 112 | 110 | 108 | 108 | 107 | 105 | 97 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3 °C
Operators:
Test Date: 2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.080m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |

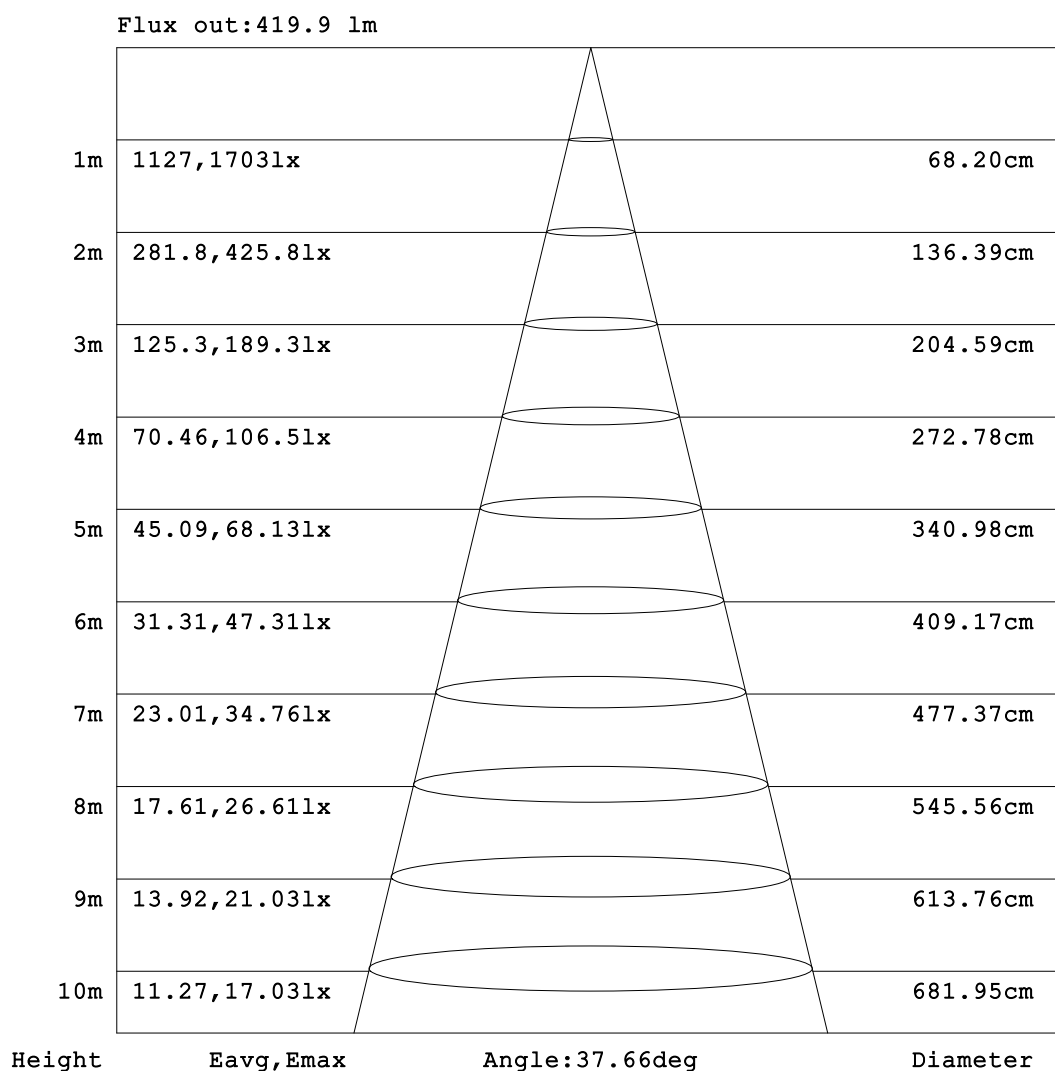


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |



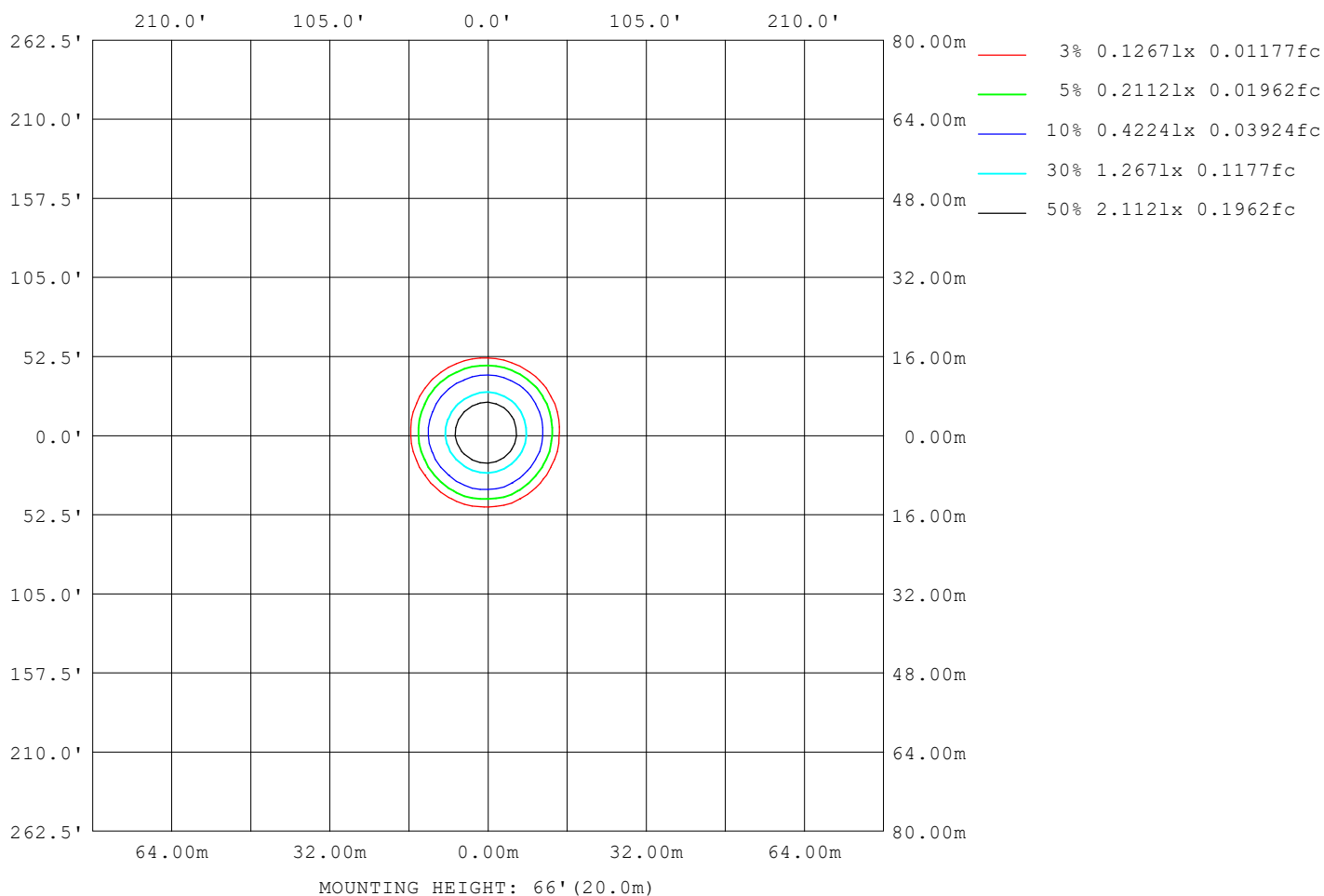
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|-------|------------------|
| Test:U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |

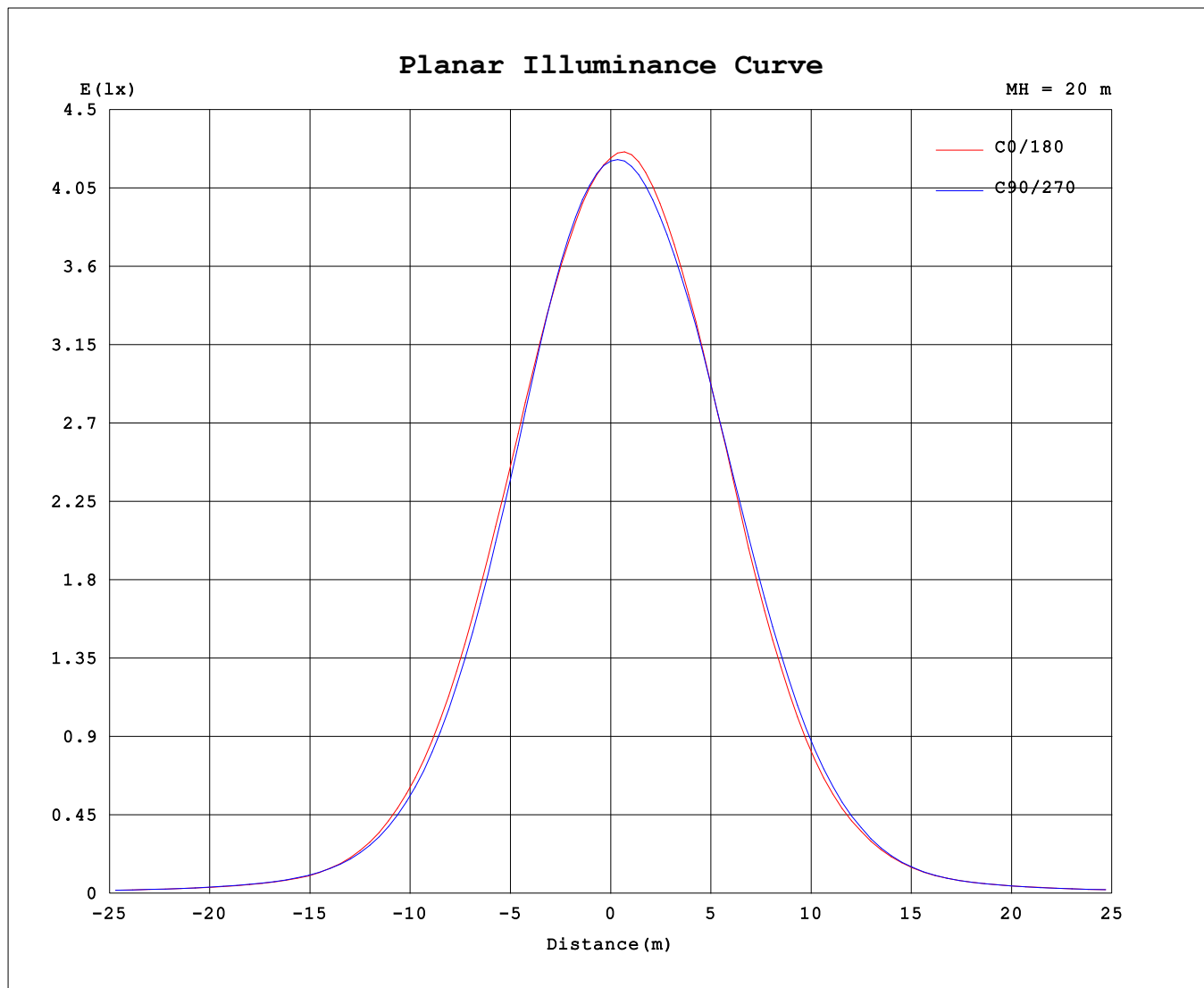
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 445 |
| L_0~180 (75) av | 316 |
| L_0~180 (85) av | 79 |
| L_90~270 (65) av | 453 |
| L_90~270 (75) av | 416 |
| L_90~270 (85) av | 279 |
| L_45 (65) av | 450 |
| L_45 (75) av | 398 |
| L_45 (85) av | 133 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2024-03-31

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2024-03-31

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

| | | |
|---|--------------|-------------------------|
| Test: U:119.83V I:0.0787A P:9.0953W PF:0.9649 Freq:59.98Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 853.894x1 lm | | |
| NAME: VO-SMD4W9-120-D-5WAY | TYPE: | WEIGHT: |
| SPEC.: 5000K 90 | DIM.: | SERIAL No.: |
| MFR.: VOTATEC | SUR.: | Shielding Angle: |

UNIT: cd

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3°C
Operators:
Test Date: 2024-03-31

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

```