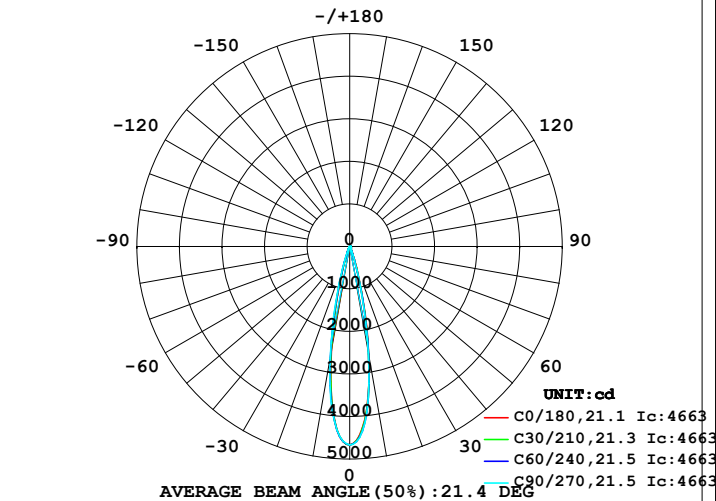


LUMINAIRE PHOTOMETRIC TEST REPORT

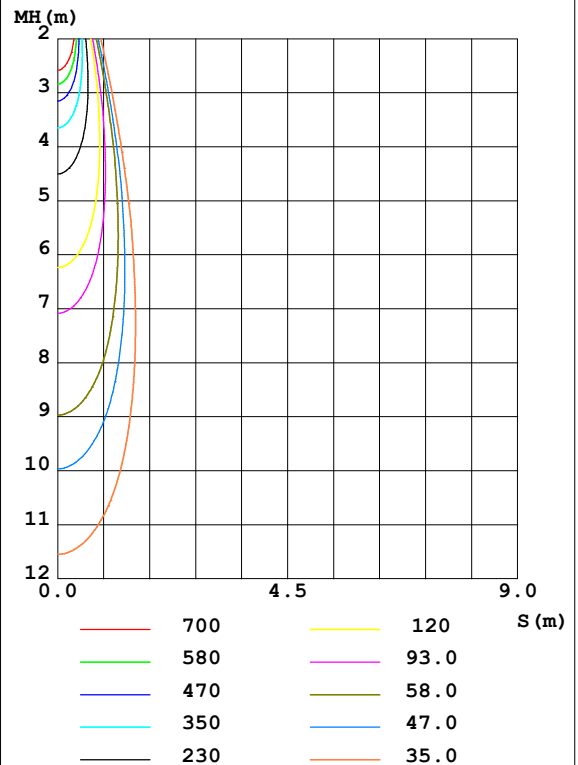
| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 67.03 lm/W | | | |
|------------------|-------------|----------------------------------|--------|-------------------|----------|
| MODEL | 3000K CRI90 | I _{max} (cd) | 4663 | S/MH(C0/180) | 0.35 |
| NOMINAL POWER(W) | 11 | LOR(%) | 100.0 | S/MH(C90/270) | 0.36 |
| RATED VOLTAGE(V) | 220-240 | TOTAL FLUX(lm) | 730.66 | η UP,DN(C0-180) | 0.0,49.3 |
| NOMINAL FLUX(lm) | 730.661 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,50.7 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE(V) | 225.1 | η down(%) | 100.0 | CIBSE SHR MAX | 1.00 |

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:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [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 | 2588 | 2637 | 2531 | 2513 | 2482 | 2506 | 2673 | 2611 | 0- 10 | 342.1 | 342.1 | 46.8, 46.8 |
| 20 | 331.2 | 316.7 | 270.9 | 264.5 | 270.3 | 278.4 | 338.8 | 337.2 | 10- 20 | 298.3 | 640.4 | 87.6, 87.6 |
| 30 | 64.54 | 59.03 | 51.92 | 49.19 | 50.87 | 54.08 | 61.53 | 63.70 | 20- 30 | 57.71 | 698.1 | 95.5, 95.5 |
| 40 | 21.91 | 19.76 | 18.12 | 16.62 | 16.00 | 18.08 | 22.18 | 22.81 | 30- 40 | 21.16 | 719.3 | 98.4, 98.4 |
| 50 | 6.017 | 5.838 | 4.966 | 4.093 | 3.974 | 4.714 | 6.437 | 6.539 | 40- 50 | 9.006 | 728.3 | 99.7, 99.7 |
| 60 | 0.5737 | 0.5303 | 0.4008 | 0.3199 | 0.4246 | 0.5454 | 0.6783 | 0.7144 | 50- 60 | 2.089 | 730.4 | 100, 100 |
| 70 | 0.0079 | 0 | 0.0313 | 0.0156 | 0.1719 | 0.1448 | 0.0952 | 0.1293 | 60- 70 | 0.1627 | 730.5 | 100, 100 |
| 80 | 0.0503 | 0.0705 | 0.0626 | 0.0863 | 0.0587 | 0.0823 | 0.0548 | 0.0627 | 70- 80 | 0.0646 | 730.6 | 100, 100 |
| 90 | 0.1799 | 0.1918 | 0.2112 | 0.2271 | 0 | 0 | 0 | 0 | 80- 90 | 0.0818 | 730.7 | 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): 724.87 lm

%lum = 99.2%

%lamp = 99.2%

Conical surface Flux(120deg): 730.35 lm

%lum = 100.0%

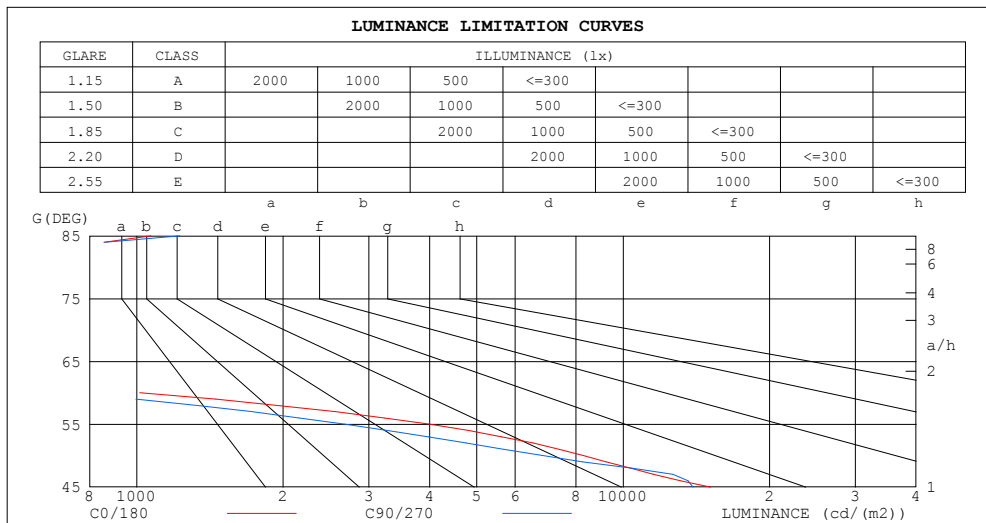
%lamp = 100.0%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:AE
 Test Date:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.240m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 1069 | 1226 |
| 80 | 256 | 318 |
| 75 | 0 | 80 |
| 70 | 20 | 81 |
| 65 | 147 | 147 |
| 60 | 1013 | 708 |
| 55 | 3991 | 2669 |
| 50 | 8267 | 6822 |
| 45 | 15124 | 13928 |

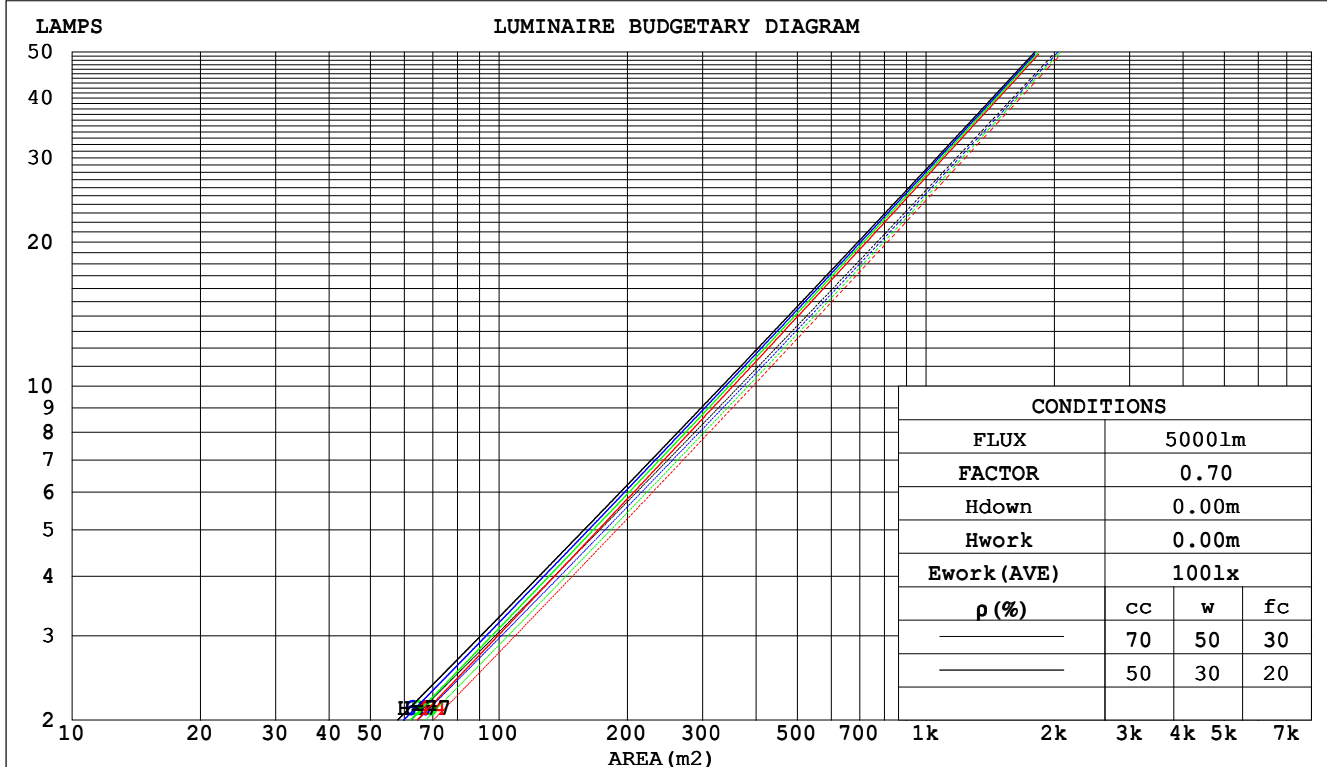
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | 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 | 1.13 | 1.12 | 1.10 | 1.11 | 1.10 | 1.08 | 1.07 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.00 | .00 | .99 | .97 |
| 2.0 | 1.09 | 1.06 | 1.04 | 1.07 | 1.05 | 1.02 | 1.04 | 1.02 | 1.00 | 1.01 | .00 | .98 | .98 | .97 | .96 | .95 |
| 3.0 | 1.05 | 1.01 | .99 | 1.03 | 1.00 | .98 | 1.01 | .98 | .96 | .99 | .97 | .95 | .97 | .95 | .94 | .92 |
| 4.0 | 1.01 | .97 | .95 | 1.00 | .97 | .94 | .98 | .95 | .93 | .96 | .94 | .92 | .95 | .93 | .91 | .90 |
| 5.0 | .98 | .94 | .91 | .97 | .94 | .91 | .96 | .93 | .90 | .94 | .92 | .90 | .93 | .91 | .89 | .88 |
| 6.0 | .95 | .91 | .89 | .94 | .91 | .88 | .93 | .90 | .88 | .92 | .89 | .87 | .91 | .89 | .87 | .86 |
| 7.0 | .93 | .89 | .86 | .92 | .89 | .86 | .91 | .88 | .86 | .90 | .87 | .85 | .89 | .87 | .85 | .84 |
| 8.0 | .90 | .87 | .84 | .90 | .86 | .84 | .89 | .86 | .84 | .88 | .85 | .83 | .87 | .85 | .83 | .82 |
| 9.0 | .88 | .85 | .82 | .88 | .84 | .82 | .87 | .84 | .82 | .86 | .84 | .82 | .86 | .83 | .81 | .81 |
| 10.0 | .86 | .83 | .80 | .86 | .83 | .80 | .85 | .82 | .80 | .85 | .82 | .80 | .84 | .82 | .80 | .79 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

WEC AND CCEC

| | | | | | |
|--|--|--|---------|--|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | | | | |
| NAME: ALT45-11G30-M | | | TYPE: | | WEIGHT: |
| SPEC.: | | | DIM.: | | SERIAL No.: |
| MFR.: | | | SUR.:38 | | 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 | .127 | .072 | .023 | .121 | .069 | .022 | .108 | .062 | .020 | .097 | .056 | .018 | .087 | .050 | .016 | |
| 2.0 | .117 | .064 | .020 | .112 | .061 | .019 | .102 | .056 | .018 | .092 | .052 | .016 | .084 | .047 | .015 | |
| 3.0 | .108 | .058 | .017 | .104 | .056 | .017 | .095 | .052 | .016 | .088 | .048 | .015 | .081 | .045 | .014 | |
| 4.0 | .101 | .052 | .015 | .097 | .051 | .015 | .090 | .048 | .014 | .084 | .045 | .014 | .078 | .042 | .013 | |
| 5.0 | .095 | .048 | .014 | .091 | .047 | .014 | .085 | .045 | .013 | .080 | .042 | .013 | .075 | .040 | .012 | |
| 6.0 | .089 | .045 | .013 | .086 | .044 | .013 | .081 | .042 | .012 | .077 | .040 | .012 | .072 | .038 | .011 | |
| 7.0 | .084 | .042 | .012 | .082 | .041 | .012 | .078 | .039 | .011 | .073 | .038 | .011 | .070 | .036 | .011 | |
| 8.0 | .080 | .039 | .011 | .078 | .038 | .011 | .074 | .037 | .011 | .071 | .036 | .010 | .067 | .034 | .010 | |
| 9.0 | .076 | .037 | .010 | .074 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 | .065 | .033 | .010 | |
| 10.0 | .073 | .035 | .010 | .071 | .034 | .010 | .068 | .033 | .009 | .065 | .032 | .009 | .063 | .032 | .009 | |

| 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 | .168 | .158 | .149 | .143 | .135 | .128 | .098 | .093 | .089 | .056 | .054 | .052 | .018 | .017 | .017 | |
| 2.0 | .149 | .133 | .119 | .128 | .114 | .103 | .087 | .079 | .072 | .050 | .046 | .042 | .016 | .015 | .014 | |
| 3.0 | .133 | .113 | .097 | .114 | .098 | .084 | .078 | .068 | .059 | .045 | .040 | .035 | .015 | .013 | .011 | |
| 4.0 | .120 | .098 | .080 | .103 | .084 | .070 | .071 | .059 | .049 | .041 | .034 | .029 | .013 | .011 | .010 | |
| 5.0 | .109 | .085 | .067 | .094 | .074 | .059 | .065 | .051 | .041 | .037 | .030 | .025 | .012 | .010 | .008 | |
| 6.0 | .100 | .075 | .057 | .086 | .065 | .050 | .059 | .045 | .035 | .034 | .027 | .021 | .011 | .009 | .007 | |
| 7.0 | .092 | .067 | .049 | .079 | .058 | .043 | .055 | .041 | .030 | .032 | .024 | .018 | .010 | .008 | .006 | |
| 8.0 | .085 | .060 | .042 | .073 | .052 | .037 | .051 | .036 | .026 | .030 | .021 | .016 | .010 | .007 | .005 | |
| 9.0 | .080 | .054 | .037 | .068 | .047 | .032 | .047 | .033 | .023 | .028 | .019 | .014 | .009 | .006 | .004 | |
| 10.0 | .074 | .049 | .032 | .064 | .043 | .028 | .045 | .030 | .020 | .026 | .018 | .012 | .008 | .006 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | | |
|--|------------------|------|------|------|---------|----------------|------|------------------|------|------|------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | | | | | | | | | | |
| NAME: ALT45-11G30-M | | | | | TYPE: | | | WEIGHT: | | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | | |
| MFR.: | | | | | SUR.:38 | | | 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 | | 12.0 | 12.6 | 12.2 | 12.7 | 12.9 | 11.4 | 12.0 | 11.6 | 12.1 | 12.3 |
| | 3H | 11.9 | 12.4 | 12.1 | 12.6 | 12.8 | 11.3 | 11.8 | 11.5 | 12.0 | 12.2 |
| | 4H | 11.8 | 12.3 | 12.0 | 12.5 | 12.7 | 11.2 | 11.7 | 11.5 | 11.9 | 12.1 |
| | 6H | 11.7 | 12.2 | 12.0 | 12.4 | 12.7 | 11.1 | 11.6 | 11.4 | 11.8 | 12.1 |
| | 8H | 11.7 | 12.1 | 11.9 | 12.4 | 12.6 | 11.1 | 11.6 | 11.4 | 11.8 | 12.0 |
| | 12H | 11.6 | 12.1 | 11.9 | 12.3 | 12.6 | 11.0 | 11.5 | 11.3 | 11.8 | 12.0 |
| 4H | 2H | 11.8 | 12.3 | 12.0 | 12.5 | 12.7 | 11.2 | 11.7 | 11.5 | 11.9 | 12.2 |
| | 3H | 11.6 | 12.1 | 11.9 | 12.3 | 12.6 | 11.1 | 11.5 | 11.4 | 11.8 | 12.0 |
| | 4H | 11.5 | 11.9 | 11.9 | 12.2 | 12.5 | 11.0 | 11.4 | 11.3 | 11.7 | 12.0 |
| | 6H | 11.4 | 11.8 | 11.8 | 12.1 | 12.5 | 10.9 | 11.2 | 11.2 | 11.6 | 11.9 |
| | 8H | 11.4 | 11.7 | 11.8 | 12.1 | 12.4 | 10.8 | 11.2 | 11.2 | 11.5 | 11.9 |
| | 12H | 11.3 | 11.6 | 11.7 | 12.0 | 12.4 | 10.8 | 11.1 | 11.2 | 11.5 | 11.8 |
| 8H | 4H | 11.4 | 11.7 | 11.7 | 12.1 | 12.4 | 10.8 | 11.1 | 11.2 | 11.5 | 11.9 |
| | 6H | 11.3 | 11.5 | 11.7 | 11.9 | 12.3 | 10.7 | 11.0 | 11.1 | 11.4 | 11.8 |
| | 8H | 11.2 | 11.5 | 11.6 | 11.9 | 12.3 | 10.6 | 10.9 | 11.1 | 11.3 | 11.7 |
| | 12H | 11.2 | 11.4 | 11.6 | 11.8 | 12.3 | 10.6 | 10.8 | 11.1 | 11.3 | 11.7 |
| 12H | 4H | 11.3 | 11.6 | 11.7 | 12.0 | 12.4 | 10.7 | 11.1 | 11.1 | 11.4 | 11.8 |
| | 6H | 11.2 | 11.5 | 11.6 | 11.9 | 12.3 | 10.6 | 10.9 | 11.1 | 11.3 | 11.7 |
| | 8H | 11.1 | 11.4 | 11.6 | 11.8 | 12.3 | 10.6 | 10.8 | 11.0 | 11.2 | 11.7 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 2.9 / -10.5 | | | | | + 2.6 / -11.6 | | | | | |
| 1.5H | + 4.2 / - 7.2 | | | | | + 3.0 / - 8.4 | | | | | |
| 2.0H | + 6.1 / -15.0 | | | | | + 6.5 / -15.1 | | | | | |

CIE Pub.117, 730.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

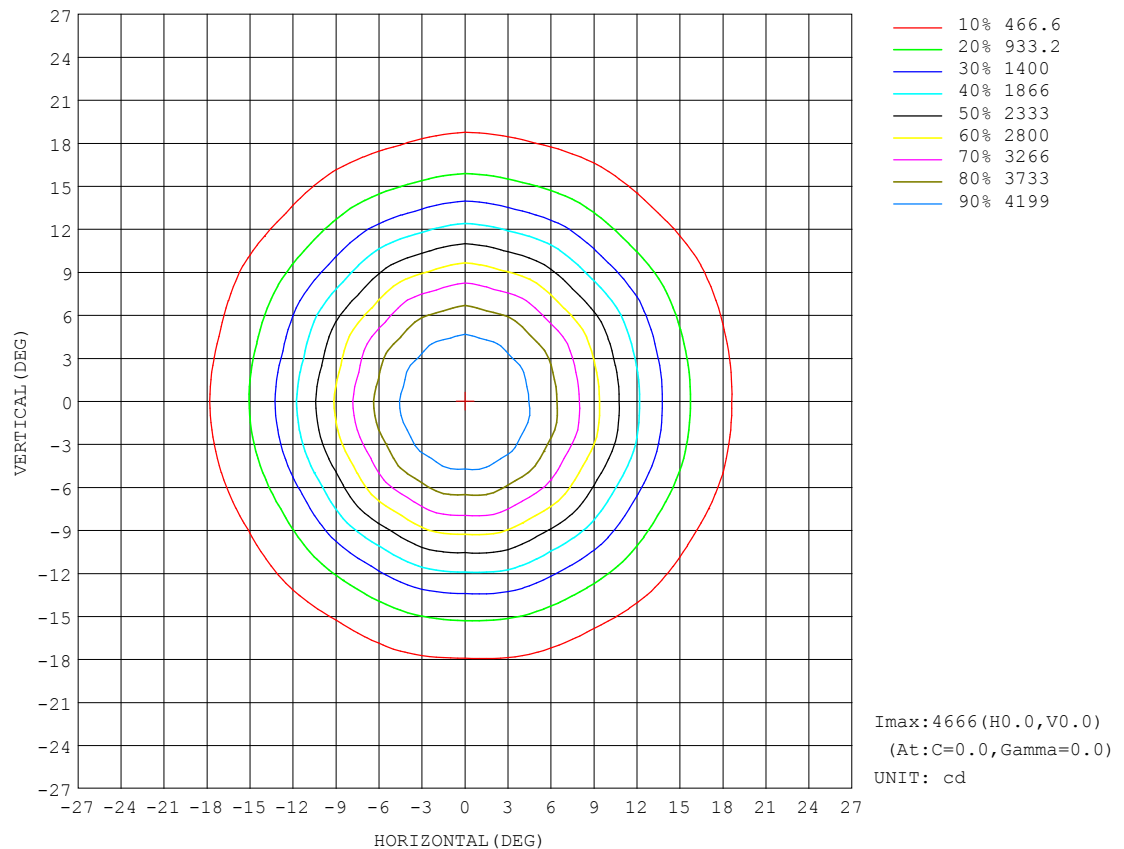
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 91 | 85 | 81 | 90 | 85 | 81 | 89 | 84 | 81 | 78 |
| 0.80 | 98 | 92 | 89 | 97 | 92 | 89 | 96 | 91 | 88 | 85 |
| 1.00 | 101 | 96 | 93 | 101 | 96 | 93 | 99 | 96 | 92 | 89 |
| 1.25 | 105 | 100 | 97 | 104 | 100 | 97 | 102 | 99 | 96 | 92 |
| 1.50 | 108 | 103 | 100 | 106 | 103 | 100 | 104 | 101 | 99 | 94 |
| 2.00 | 110 | 106 | 103 | 108 | 105 | 102 | 106 | 103 | 101 | 96 |
| 2.50 | 111 | 108 | 105 | 110 | 107 | 104 | 107 | 104 | 102 | 97 |
| 3.00 | 113 | 109 | 107 | 111 | 108 | 106 | 108 | 105 | 104 | 98 |
| 4.00 | 114 | 112 | 110 | 112 | 110 | 109 | 109 | 107 | 106 | 99 |
| 5.00 | 116 | 114 | 112 | 114 | 112 | 110 | 110 | 108 | 107 | 100 |
| 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:AE
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

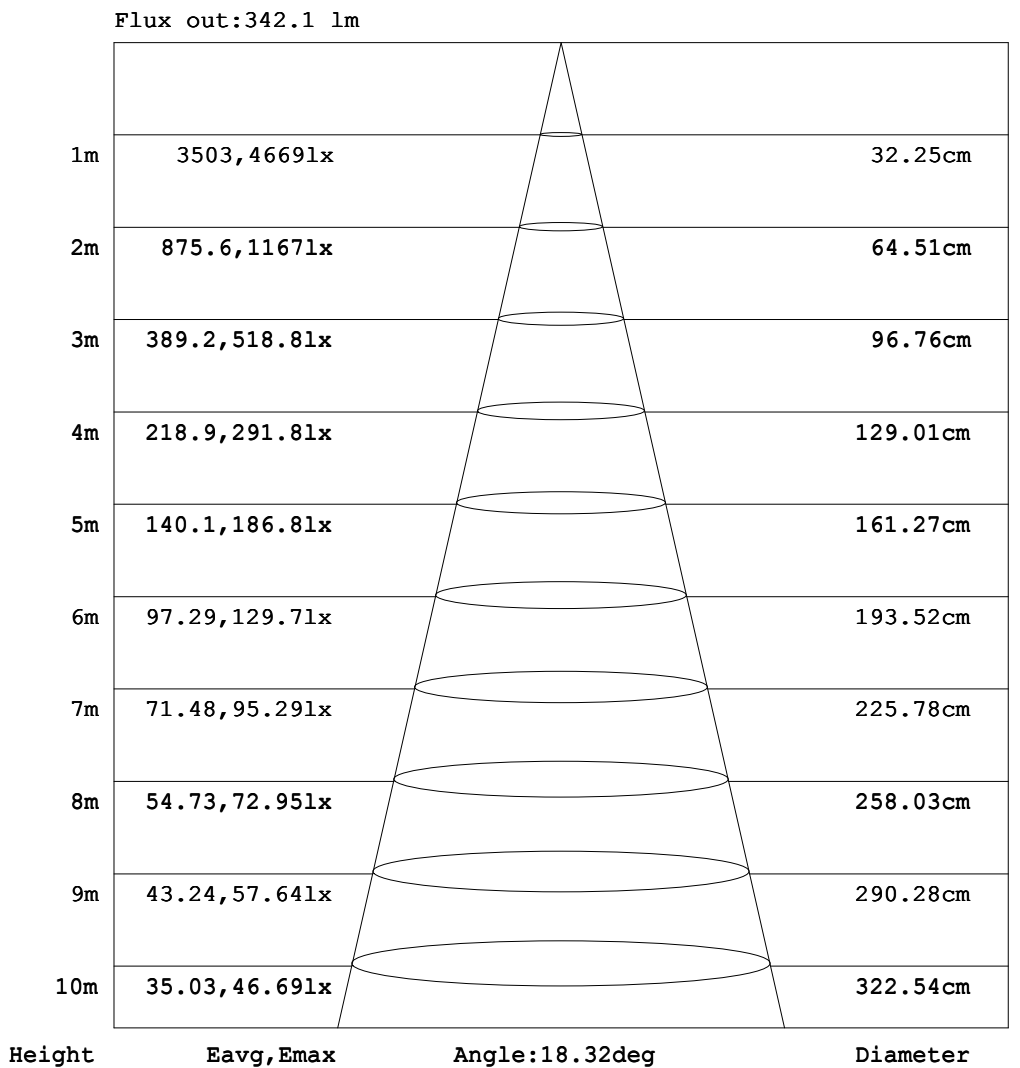


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.66lx1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |



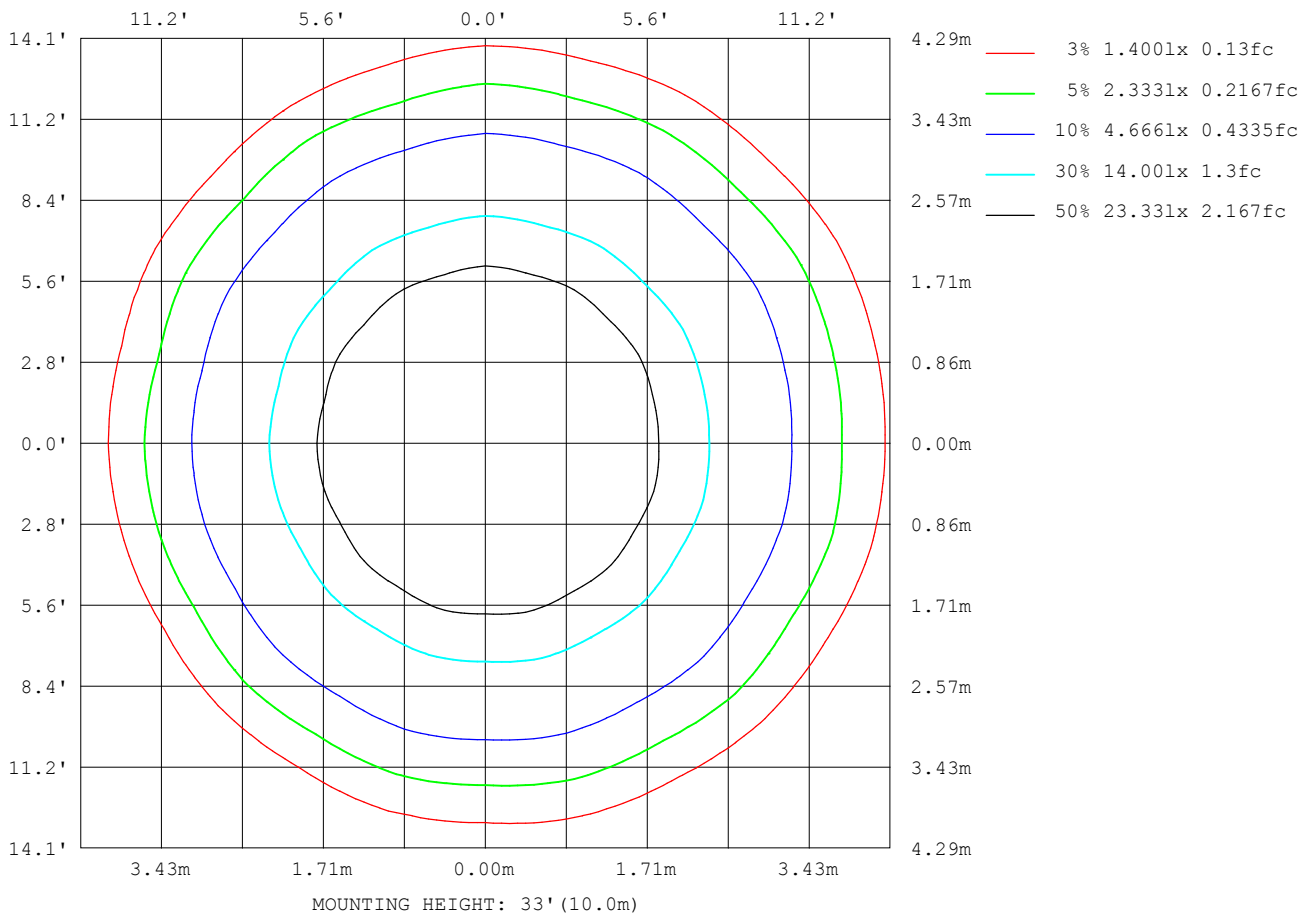
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|--|---------|------------------|
| Test:U:225.0V I:0.0530A P:10.90W PF:0.9060 Freq:0Hz Lamp Flux:730.661x1 lm | | |
| NAME: ALT45-11G30-M | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: | SUR.:38 | Shielding Angle: |

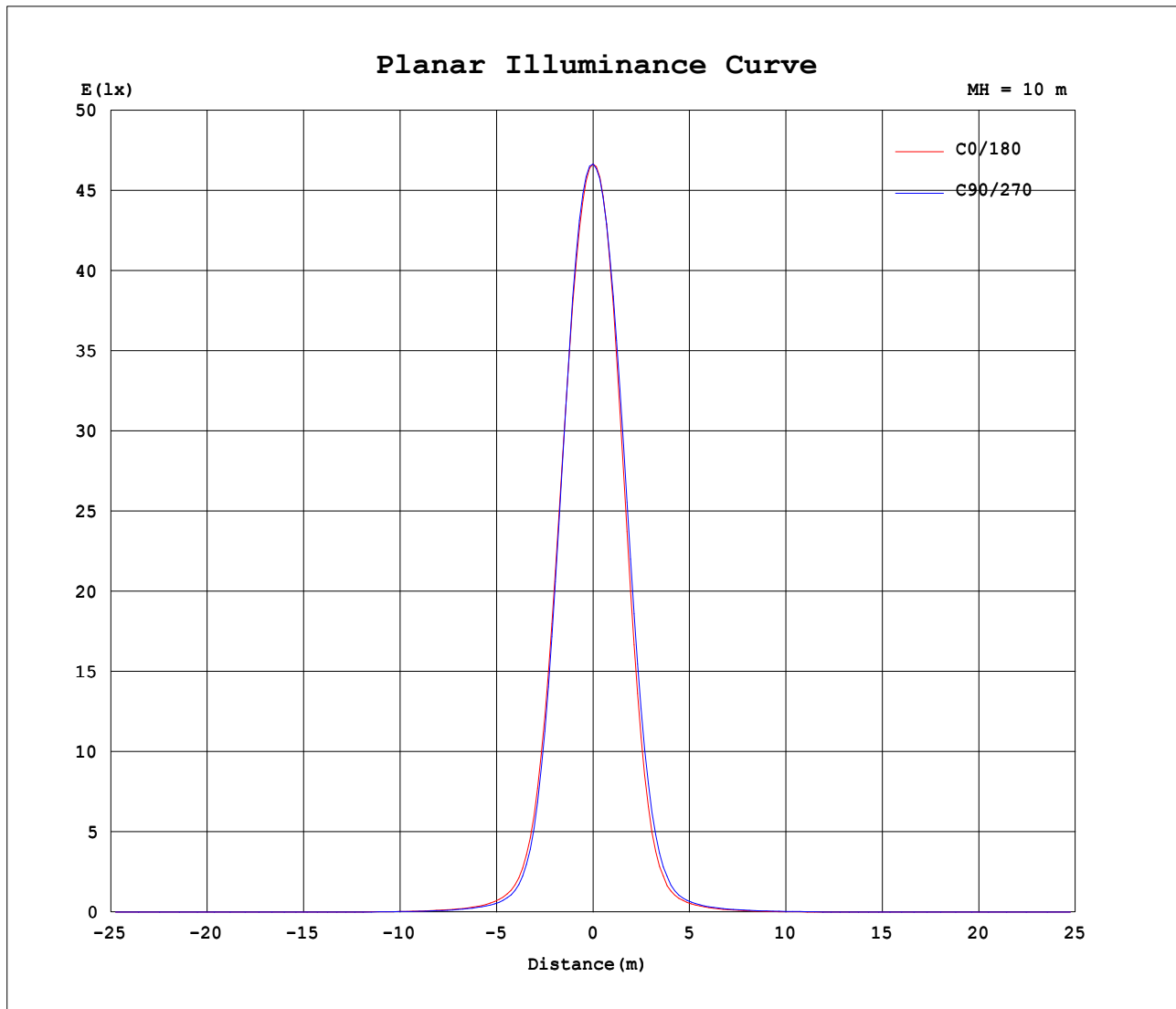
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 318 |
| L_0~180 (75) av | 187 |
| L_0~180 (85) av | 534 |
| L_90~270 (65) av | 237 |
| L_90~270 (75) av | 153 |
| L_90~270 (85) av | 613 |
| L_45 (65) av | 247 |
| L_45 (75) av | 224 |
| L_45 (85) av | 715 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: AE
Test Date:

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.240m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.240m [K=1.0000]
 Remarks: