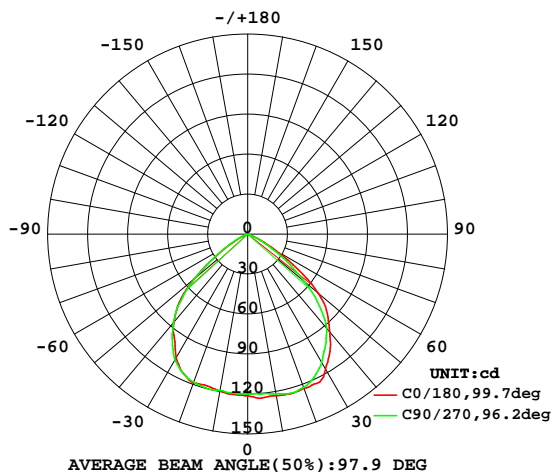


LUMINAIRE PHOTOMETRIC TEST REPORT

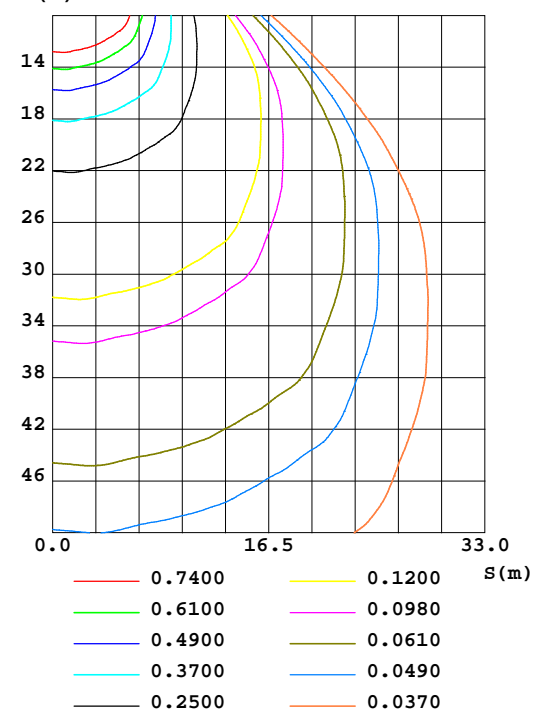
| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.15lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 74.17 lm/W | | | |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 124.2 | S/MH(C0/180) | 1.38 |
| NOMINAL POWER(W) | 4 | LOR(%) | 100.0 | S/MH(C90/270) | 1.33 |
| RATED VOLTAGE(V) | 12 | TOTAL FLUX(lm) | 261.15 | η UP,DN(C0-180) | 0.0,52.6 |
| NOMINAL FLUX(lm) | 261.151 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.0,47.4 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 12.0 | η down(%) | 100.0 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:6.710m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C90 | C180 | C270 | | | | | γ | Φ zone | Φ total | \$lum,lamp |
|----------|-----------------------|-------|--------|-------|--|--|--|--|----------|-------------|--------------|------------|
| 10 | 123.2 | 121.6 | 119.5 | 119.0 | | | | | 0- 10 | 11.54 | 11.54 | 4.42,4.42 |
| 20 | 123.3 | 122.6 | 118.6 | 118.2 | | | | | 10- 20 | 34.33 | 45.87 | 17.6,17.6 |
| 30 | 117.1 | 111.2 | 107.4 | 109.1 | | | | | 20- 30 | 54.15 | 100.0 | 38.3,38.3 |
| 40 | 95.77 | 92.24 | 86.15 | 86.69 | | | | | 30- 40 | 63.16 | 163.2 | 62.5,62.5 |
| 50 | 69.03 | 56.05 | 52.80 | 51.46 | | | | | 40- 50 | 58.06 | 221.2 | 84.7,84.7 |
| 60 | 23.77 | 18.62 | 13.47 | 15.28 | | | | | 50- 60 | 32.22 | 253.5 | 97.1,97.1 |
| 70 | 1.506 | 1.357 | 0.3490 | 1.741 | | | | | 60- 70 | 7.557 | 261.0 | 99.9,99.9 |
| 80 | 0 | 0 | 0 | 0 | | | | | 70- 80 | 0.1319 | 261.2 | 100,100 |
| 90 | 0 | 0 | 0 | 0 | | | | | 80- 90 | 0 | 261.2 | 100,100 |
| 100 | 0 | 0 | 0 | 0 | | | | | 90-100 | 0 | 261.2 | 100,100 |
| 110 | 0 | 0 | 0 | 0 | | | | | 100-110 | 0 | 261.2 | 100,100 |
| 120 | 0 | 0 | 0 | 0 | | | | | 110-120 | 0 | 261.2 | 100,100 |
| 130 | 0 | 0 | 0 | 0 | | | | | 120-130 | 0 | 261.2 | 100,100 |
| 140 | 0 | 0 | 0 | 0 | | | | | 130-140 | 0 | 261.2 | 100,100 |
| 150 | 0 | 0 | 0 | 0 | | | | | 140-150 | 0 | 261.2 | 100,100 |
| 160 | 0 | 0 | 0 | 0 | | | | | 150-160 | 0 | 261.2 | 100,100 |
| 170 | 0 | 0 | 0 | 0 | | | | | 160-170 | 0 | 261.2 | 100,100 |
| 180 | 0 | 0 | 0 | 0 | | | | | 170-180 | 0 | 261.2 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

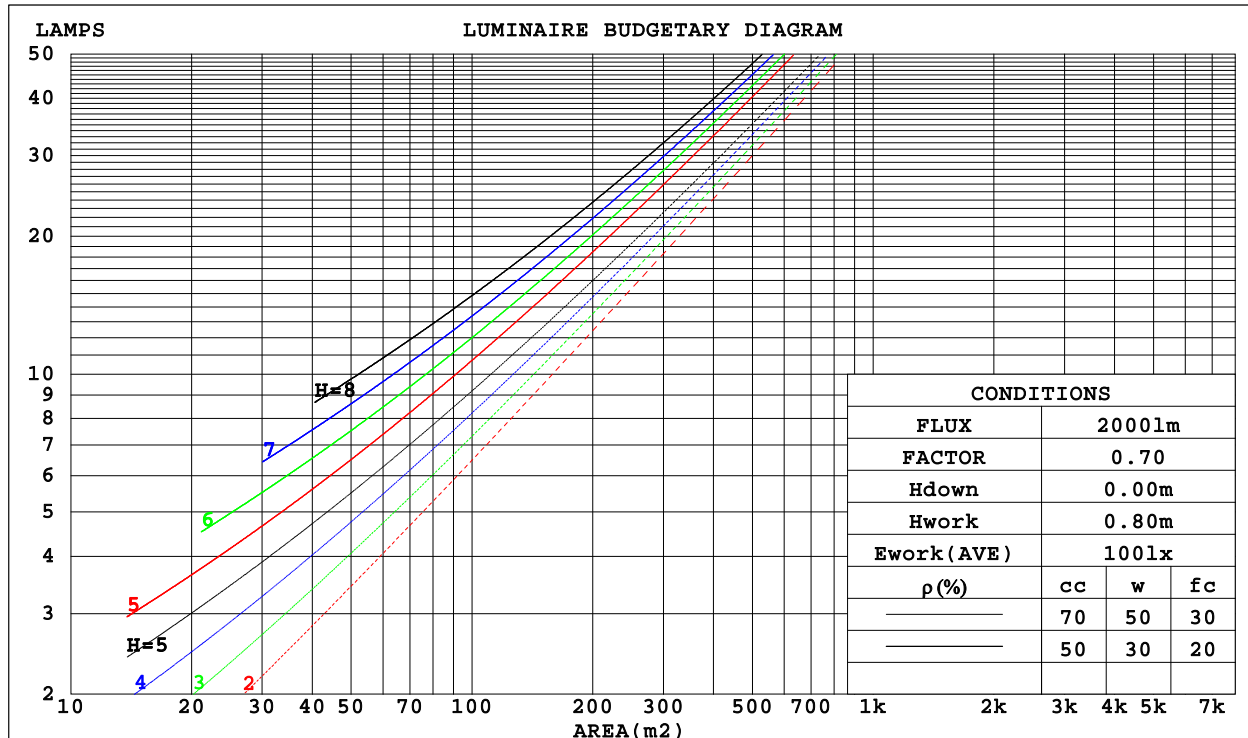
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity:65.0%
 Test Distance:6.710m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.151lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity: 65.0%
 Test Distance: 6.710m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.151x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION 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 | .225 | .128 | .040 | .218 | .124 | .039 | .205 | .118 | .038 | .193 | .111 | .036 | .182 | .106 | .034 | | |
| 2.0 | .222 | .122 | .037 | .216 | .119 | .037 | .205 | .114 | .035 | .195 | .109 | .034 | .185 | .105 | .033 | | |
| 3.0 | .214 | .114 | .034 | .209 | .112 | .034 | .199 | .108 | .033 | .190 | .104 | .032 | .182 | .101 | .031 | | |
| 4.0 | .204 | .106 | .031 | .200 | .104 | .031 | .191 | .101 | .030 | .183 | .098 | .030 | .176 | .096 | .029 | | |
| 5.0 | .194 | .099 | .029 | .190 | .098 | .028 | .182 | .095 | .028 | .175 | .093 | .028 | .169 | .090 | .027 | | |
| 6.0 | .184 | .092 | .026 | .180 | .091 | .026 | .174 | .089 | .026 | .167 | .087 | .026 | .162 | .085 | .025 | | |
| 7.0 | .174 | .086 | .024 | .171 | .085 | .024 | .165 | .084 | .024 | .160 | .082 | .024 | .154 | .080 | .024 | | |
| 8.0 | .165 | .081 | .023 | .163 | .080 | .023 | .157 | .079 | .022 | .152 | .077 | .022 | .147 | .076 | .022 | | |
| 9.0 | .157 | .076 | .021 | .154 | .075 | .021 | .150 | .074 | .021 | .145 | .073 | .021 | .141 | .071 | .021 | | |
| 10.0 | .149 | .072 | .020 | .147 | .071 | .020 | .143 | .070 | .020 | .138 | .069 | .020 | .134 | .068 | .019 | | |

| 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 | .174 | .157 | .141 | .149 | .135 | .121 | .102 | .093 | .084 | .059 | .054 | .049 | .019 | .017 | .016 | |
| 2.0 | .163 | .132 | .106 | .140 | .114 | .092 | .096 | .079 | .064 | .055 | .046 | .038 | .018 | .015 | .012 | |
| 3.0 | .154 | .114 | .082 | .132 | .098 | .071 | .090 | .068 | .050 | .052 | .040 | .029 | .017 | .013 | .010 | |
| 4.0 | .146 | .100 | .065 | .125 | .086 | .056 | .086 | .060 | .040 | .050 | .035 | .024 | .016 | .011 | .008 | |
| 5.0 | .139 | .089 | .053 | .119 | .077 | .046 | .082 | .054 | .032 | .048 | .032 | .019 | .015 | .010 | .006 | |
| 6.0 | .132 | .081 | .043 | .114 | .070 | .038 | .078 | .049 | .027 | .045 | .029 | .016 | .015 | .009 | .005 | |
| 7.0 | .126 | .073 | .037 | .109 | .064 | .032 | .075 | .045 | .023 | .044 | .026 | .013 | .014 | .009 | .004 | |
| 8.0 | .121 | .068 | .031 | .104 | .059 | .027 | .072 | .041 | .019 | .042 | .024 | .012 | .014 | .008 | .004 | |
| 9.0 | .115 | .063 | .027 | .099 | .054 | .024 | .069 | .038 | .017 | .040 | .023 | .010 | .013 | .007 | .003 | |
| 10.0 | .110 | .059 | .024 | .095 | .051 | .021 | .066 | .036 | .015 | .039 | .021 | .009 | .012 | .007 | .003 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:6.710m [K=1.0000]
Remarks:

Uncorrected UGR Table

| | | | | | | | | | | | |
|--|---------------|------------------|------|------|--------|---------------|----------------|-------------------|------|------|------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.15lx1 lm | | | | | | | | | | | |
| NAME: | | | | | TYPE: | | | WEIGHT: | | | |
| DIM.: | | | | | SPEC.: | | | SERIAL No.: | | | |
| MFR.: 4500 | | | | | SUR.: | | | PROTECTION 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 | 15.9 | 17.2 | 16.2 | 17.4 | 17.6 | 15.3 | 16.5 | 15.5 | 16.7 | 16.9 | |
| | 3H | 15.8 | 17.0 | 16.1 | 17.2 | 17.4 | 15.1 | 16.3 | 15.4 | 16.5 | 16.7 |
| | 4H | 15.7 | 16.8 | 16.0 | 17.0 | 17.3 | 15.0 | 16.1 | 15.3 | 16.4 | 16.6 |
| | 6H | 15.6 | 16.6 | 15.9 | 16.9 | 17.1 | 14.9 | 16.0 | 15.2 | 16.2 | 16.5 |
| | 8H | 15.5 | 16.5 | 15.9 | 16.8 | 17.1 | 14.9 | 15.9 | 15.2 | 16.1 | 16.4 |
| | 12H | 15.5 | 16.4 | 15.8 | 16.7 | 17.0 | 14.8 | 15.8 | 15.2 | 16.1 | 16.3 |
| 4H | 2H | 15.8 | 16.9 | 16.1 | 17.2 | 17.4 | 15.2 | 16.3 | 15.5 | 16.6 | 16.8 |
| | 3H | 15.7 | 16.7 | 16.1 | 16.9 | 17.2 | 15.1 | 16.1 | 15.4 | 16.3 | 16.6 |
| | 4H | 15.6 | 16.5 | 16.0 | 16.8 | 17.1 | 15.0 | 15.9 | 15.4 | 16.2 | 16.5 |
| | 6H | 15.5 | 16.3 | 15.9 | 16.6 | 17.0 | 14.9 | 15.7 | 15.3 | 16.0 | 16.4 |
| | 8H | 15.5 | 16.2 | 15.9 | 16.5 | 16.9 | 14.9 | 15.6 | 15.3 | 15.9 | 16.3 |
| | 12H | 15.4 | 16.1 | 15.9 | 16.4 | 16.8 | 14.8 | 15.5 | 15.3 | 15.8 | 16.2 |
| 8H | 4H | 15.5 | 16.2 | 15.9 | 16.5 | 16.9 | 14.9 | 15.6 | 15.3 | 15.9 | 16.3 |
| | 6H | 15.4 | 16.0 | 15.8 | 16.4 | 16.8 | 14.8 | 15.3 | 15.2 | 15.7 | 16.2 |
| | 8H | 15.4 | 15.8 | 15.8 | 16.3 | 16.7 | 14.7 | 15.2 | 15.2 | 15.7 | 16.1 |
| | 12H | 15.3 | 15.7 | 15.8 | 16.2 | 16.6 | 14.7 | 15.1 | 15.2 | 15.6 | 16.0 |
| 12H | 4H | 15.4 | 16.1 | 15.9 | 16.4 | 16.8 | 14.8 | 15.5 | 15.3 | 15.8 | 16.2 |
| | 6H | 15.4 | 15.8 | 15.8 | 16.3 | 16.7 | 14.7 | 15.2 | 15.2 | 15.7 | 16.1 |
| | 8H | 15.3 | 15.7 | 15.8 | 16.2 | 16.6 | 14.7 | 15.1 | 15.2 | 15.6 | 16.0 |
| Variations with the observer position at spacings: | | | | | | | | | | | |
| S = 1.0H | + 1.1 / - 1.5 | | | | | + 1.4 / - 2.3 | | | | | |
| 1.5H | + 0.7 / - 0.7 | | | | | + 0.7 / - 0.8 | | | | | |
| 2.0H | + 2.5 / - 5.7 | | | | | + 2.8 / - 5.4 | | | | | |

CIE Pub.117 Corrected 261.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.7)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:6.710m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.151x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |

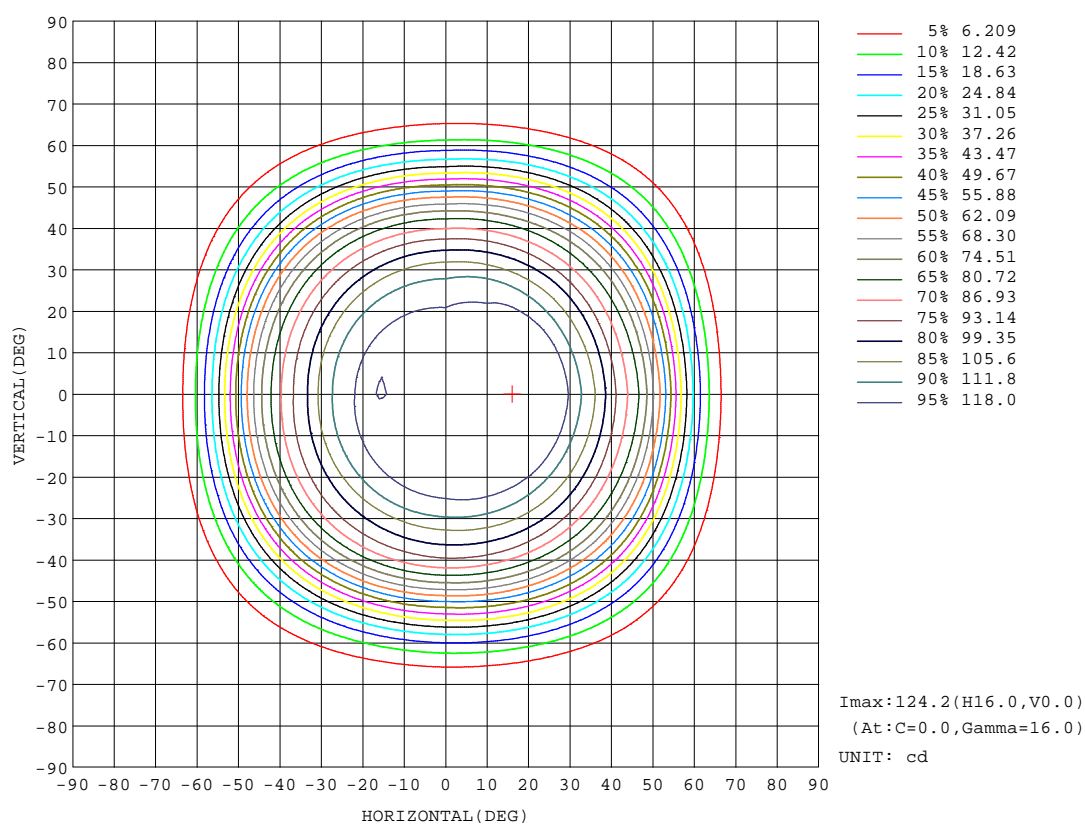
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 67 | 57 | 51 | 66 | 57 | 51 | 65 | 56 | 51 | 45 |
| 0.80 | 78 | 68 | 62 | 77 | 68 | 62 | 75 | 67 | 62 | 56 |
| 1.00 | 86 | 78 | 72 | 85 | 77 | 72 | 83 | 78 | 71 | 65 |
| 1.25 | 93 | 85 | 80 | 92 | 84 | 79 | 89 | 83 | 78 | 73 |
| 1.50 | 97 | 90 | 85 | 96 | 89 | 84 | 93 | 87 | 83 | 77 |
| 2.00 | 103 | 96 | 92 | 101 | 95 | 91 | 98 | 93 | 90 | 83 |
| 2.50 | 105 | 100 | 95 | 103 | 98 | 94 | 100 | 96 | 93 | 86 |
| 3.00 | 108 | 103 | 99 | 106 | 101 | 98 | 102 | 99 | 96 | 88 |
| 4.00 | 110 | 106 | 103 | 108 | 105 | 102 | 104 | 101 | 99 | 91 |
| 5.00 | 112 | 108 | 105 | 110 | 106 | 104 | 105 | 103 | 101 | 92 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:6.710m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.15lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |



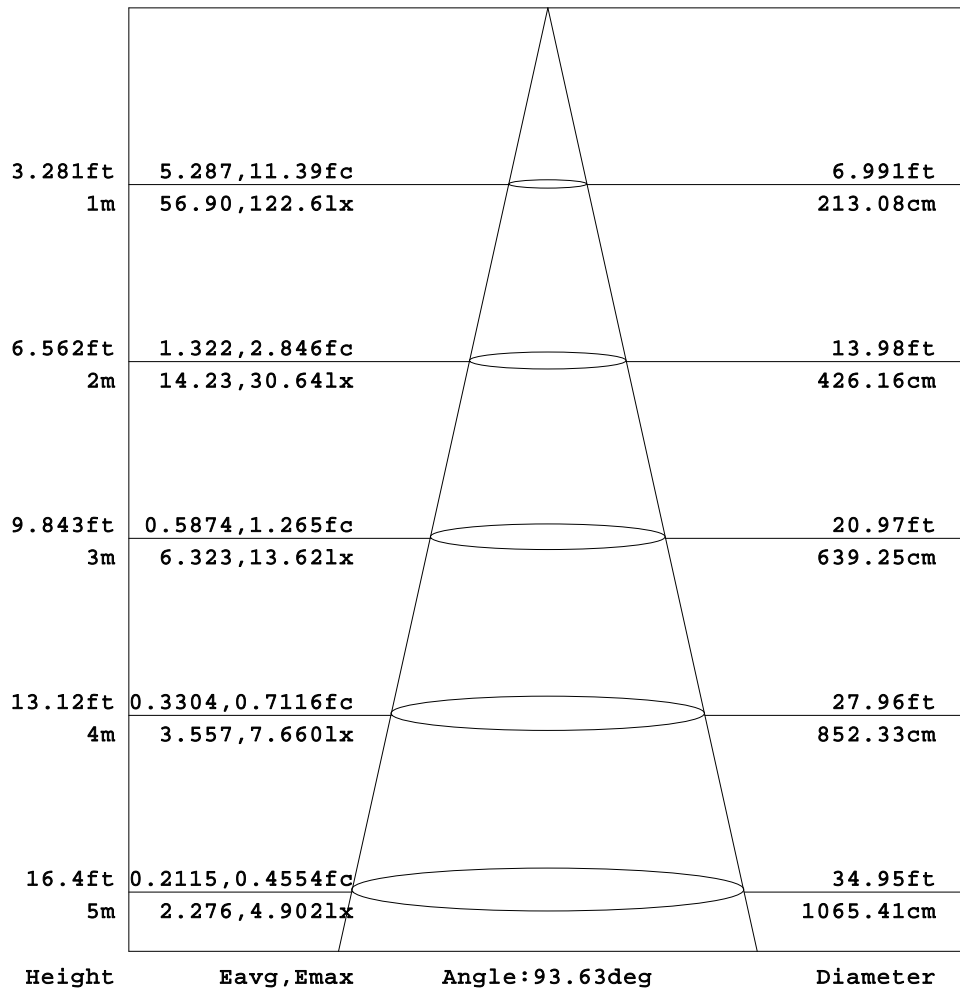
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity:65.0%
Test Distance:6.710m [K=1.0000]
Remarks:

AAI Figure

| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.15lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |

Flux out:205.6 lm



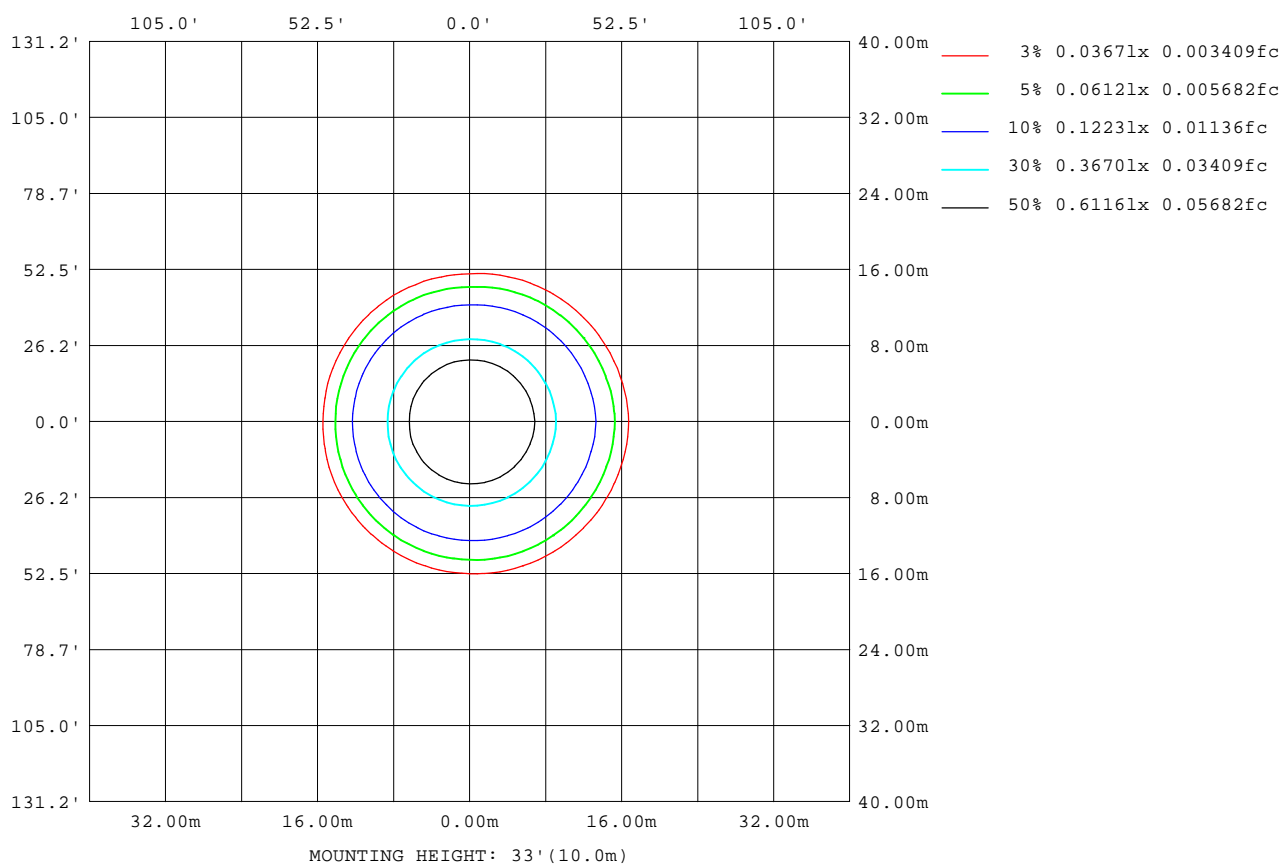
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-03-27

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity: 65.0%
Test Distance: 6.710m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

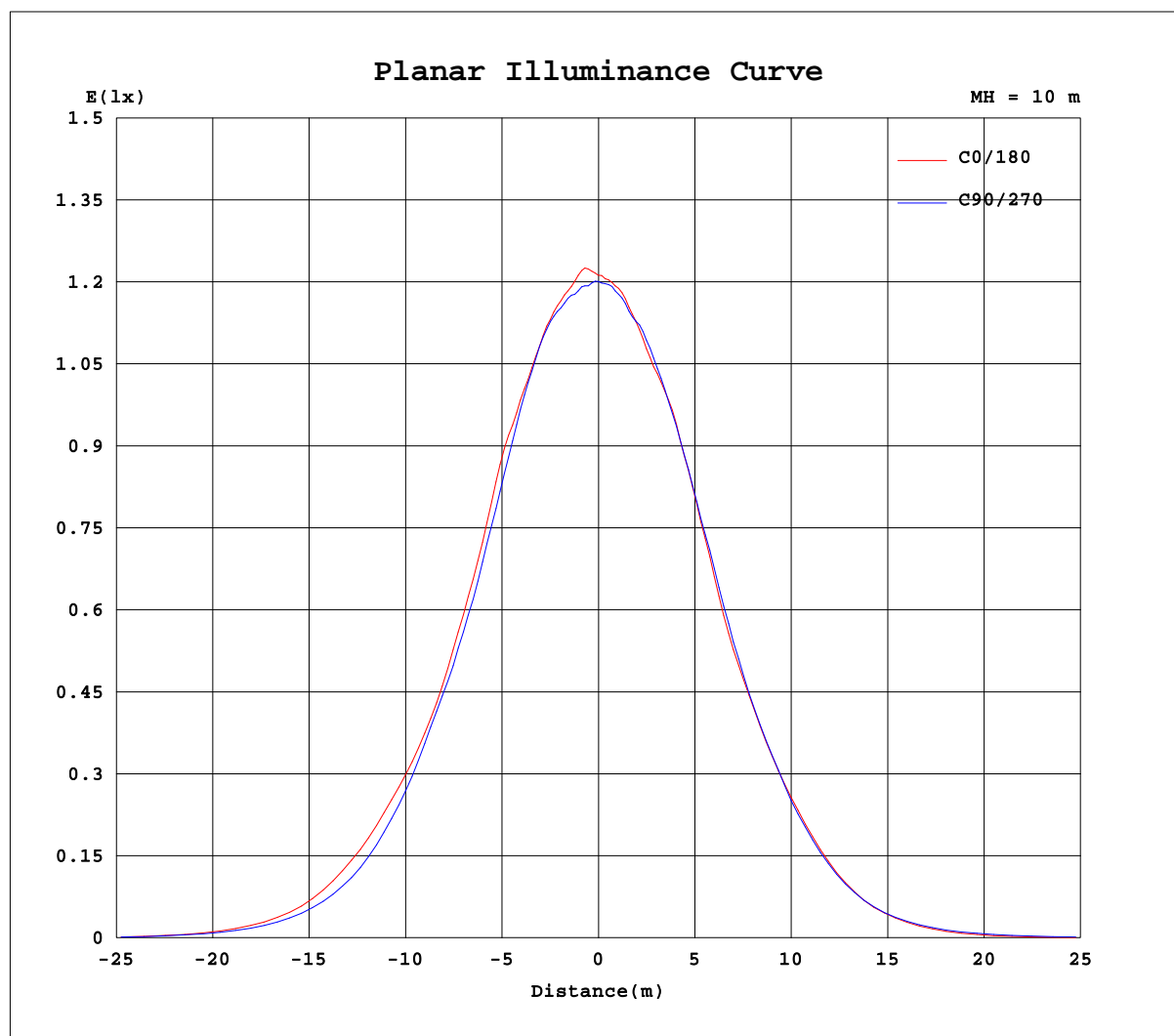
| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.15lx1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity: 65.0%
 Test Distance: 6.710m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
Humidity: 65.0%
Test Distance: 6.710m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|-------------------|
| Test:U:12.00V I:0.2934A P:3.521W PF:1.000 Lamp Flux:261.151x1 lm | | |
| NAME: | TYPE: | WEIGHT: |
| DIM.: | SPEC.: | SERIAL No.: |
| MFR.: 4500 | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 121 | 120 | 121 | 120 | | | | | | | | | | | | | | | |
| 5 | 124 | 121 | 121 | 120 | | | | | | | | | | | | | | | |
| 10 | 123 | 122 | 120 | 119 | | | | | | | | | | | | | | | |
| 15 | 124 | 124 | 118 | 120 | | | | | | | | | | | | | | | |
| 20 | 123 | 123 | 119 | 118 | | | | | | | | | | | | | | | |
| 25 | 124 | 118 | 115 | 115 | | | | | | | | | | | | | | | |
| 30 | 117 | 111 | 107 | 109 | | | | | | | | | | | | | | | |
| 35 | 108 | 102 | 95.9 | 98.6 | | | | | | | | | | | | | | | |
| 40 | 95.8 | 92.2 | 86.2 | 86.7 | | | | | | | | | | | | | | | |
| 45 | 84.7 | 76.3 | 72.7 | 71.1 | | | | | | | | | | | | | | | |
| 50 | 69.0 | 56.0 | 52.8 | 51.5 | | | | | | | | | | | | | | | |
| 55 | 46.5 | 35.5 | 29.9 | 30.4 | | | | | | | | | | | | | | | |
| 60 | 23.8 | 18.6 | 13.5 | 15.3 | | | | | | | | | | | | | | | |
| 65 | 8.96 | 7.64 | 4.19 | 6.51 | | | | | | | | | | | | | | | |
| 70 | 1.51 | 1.36 | 0.35 | 1.74 | | | | | | | | | | | | | | | |
| 75 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 80 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2018-03-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.274
 Humidity: 65.0%
 Test Distance: 6.710m [K=1.0000]
 Remarks: