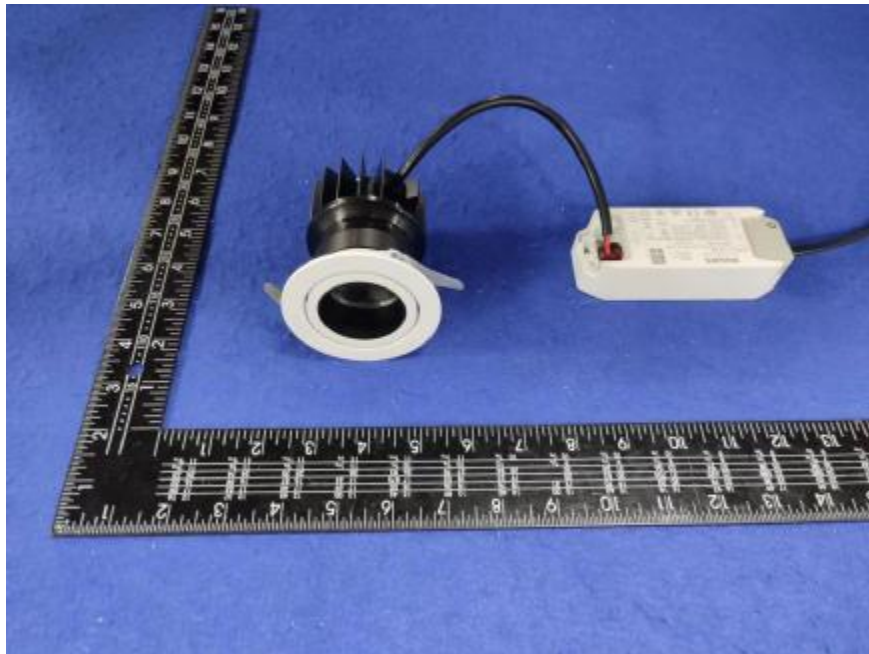


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 83.8% | |
| Luminaire Power: | 16.44 W | |
| SHR Nominal: | 0.50 | Calculated using the TM5 |
| SHR Maximum: | 0.55 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra:90
LENS: PM-1083B 36R
DRIVER: 9290 028 088 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

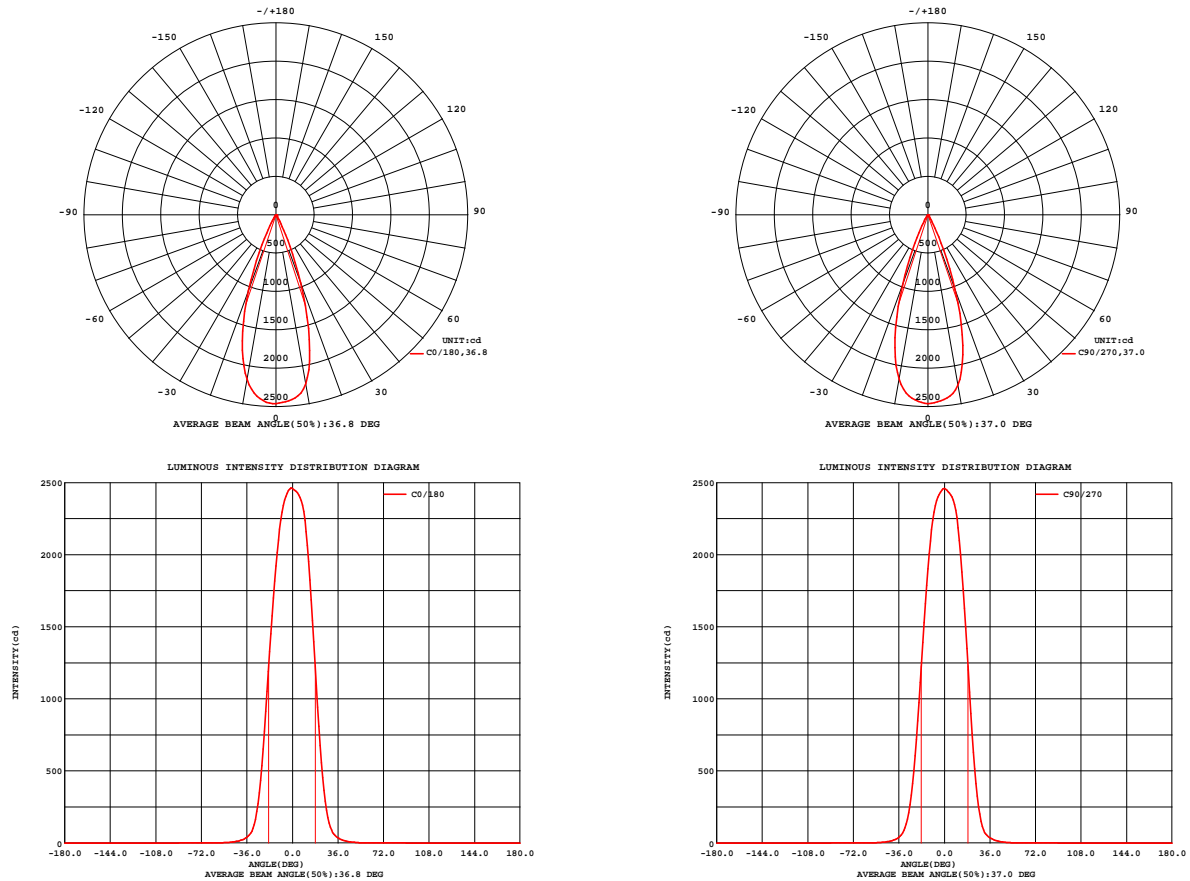


Fig. C0/C180

Fig. C90/C270

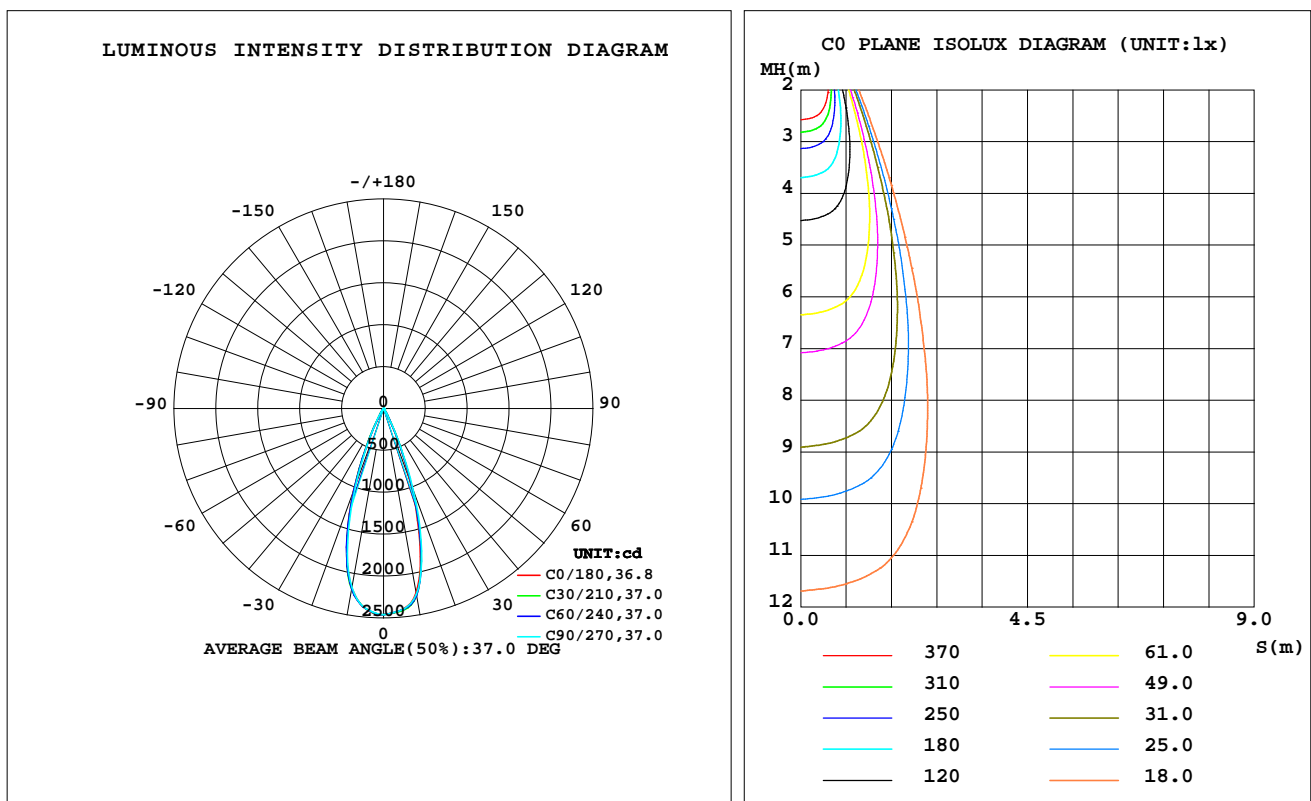
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra: 90
LENS: PM-1083B 36R
DRIVER: 9290 028 088 350mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 56.05 lm/W | | | |
|------------------|---------|----------------------------------|--------|-----------------|----------|
| MODEL | CREE | I _{max} (cd) | 2463 | S/MH(C0/180) | 0.57 |
| NOMINAL POWER(W) | 16 | LOR(%) | 83.8 | S/MH(C90/270) | 0.56 |
| RATED VOLTAGE(V) | 220 | TOTAL FLUX(lm) | 921.22 | UP,DN(C0-180) | 0.0,42.0 |
| NOMINAL FLUX(lm) | 1099.47 | CIE CLASS | DIRECT | UP,DN(C180-360) | 0.0,41.8 |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE(V) | 220 | down(%) | 83.8 | CIBSE SHR MAX | 0.55 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|-----------|
| 10 | 2238 | 2270 | 2255 | 2222 | 2176 | 2194 | 2174 | 2201 | 0- 10 | 224.3 | 224.3 | 24.4,20.4 |
| 20 | 943.4 | 988.3 | 1047 | 1029 | 1050 | 1039 | 974.5 | 956.0 | 10- 20 | 455.5 | 679.8 | 73.8,61.8 |
| 30 | 108.8 | 116.6 | 114.8 | 114.1 | 126.8 | 135.0 | 131.1 | 107.6 | 20- 30 | 199.9 | 879.7 | 95.5,80 |
| 40 | 19.19 | 20.23 | 19.53 | 19.93 | 20.77 | 20.90 | 20.14 | 18.58 | 30- 40 | 31.97 | 911.7 | 99,82.9 |
| 50 | 3.788 | 3.999 | 3.538 | 4.321 | 4.364 | 4.064 | 4.356 | 3.670 | 40- 50 | 7.464 | 919.2 | 99.8,83.6 |
| 60 | 0.5907 | 0.6015 | 0.5905 | 0.7058 | 0.8668 | 0.7665 | 0.6930 | 0.5634 | 50- 60 | 1.682 | 920.9 | 100,83.8 |
| 70 | 0.1200 | 0.1141 | 0.1228 | 0.1273 | 0.1370 | 0.1263 | 0.1272 | 0.1088 | 60- 70 | 0.2661 | 921.1 | 100,83.8 |
| 80 | 0.0417 | 0.0323 | 0.0431 | 0.0387 | 0.0508 | 0.0422 | 0.0457 | 0.0327 | 70- 80 | 0.0760 | 921.2 | 100,83.8 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.0238 | 921.2 | 100,83.8 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 921.2 | 100,83.8 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 921.2 | 100,83.8 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 921.2 | 100,83.8 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 921.2 | 100,83.8 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 921.2 | 100,83.8 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 921.2 | 100,83.8 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 921.2 | 100,83.8 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 921.2 | 100,83.8 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 921.2 | 100,83.8 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz
Lamp Flux:1099.47x1 lm

NAME: 2118.574-ACOT-36

TYPE:

WEIGHT:

SPEC.: 3000K

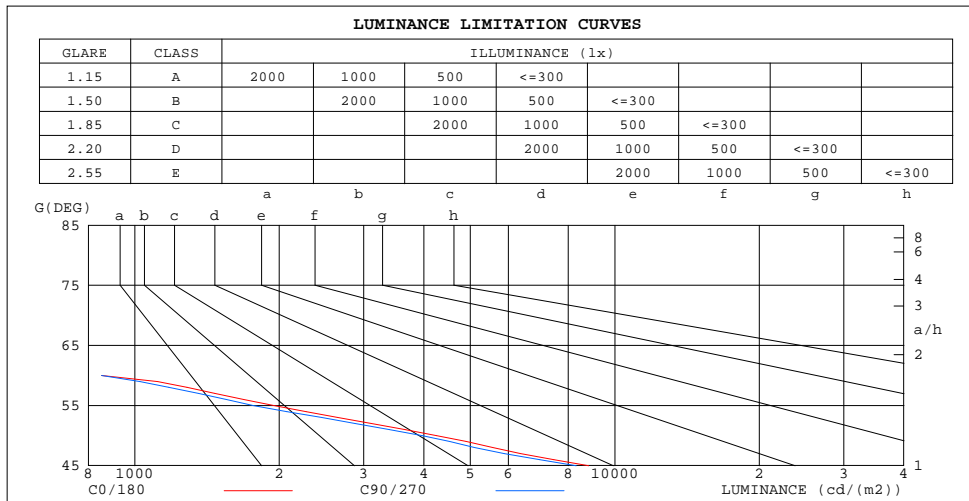
DIM.:

SERIAL No.: 2309161164

MFR.: RISE

SUR.: 0.00138474m2

Shielding Angle:



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G(180) | C0/180 | C90/270 |
| 85 | 224 | 211 |
| 80 | 173 | 179 |
| 75 | 191 | 195 |
| 70 | 253 | 259 |
| 65 | 366 | 382 |
| 60 | 853 | 852 |
| 55 | 1950 | 1765 |
| 50 | 4255 | 3973 |
| 45 | 8818 | 8313 |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz
Lamp Flux:1099.47x1 lm

NAME: 2118.574-ACOT-36

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

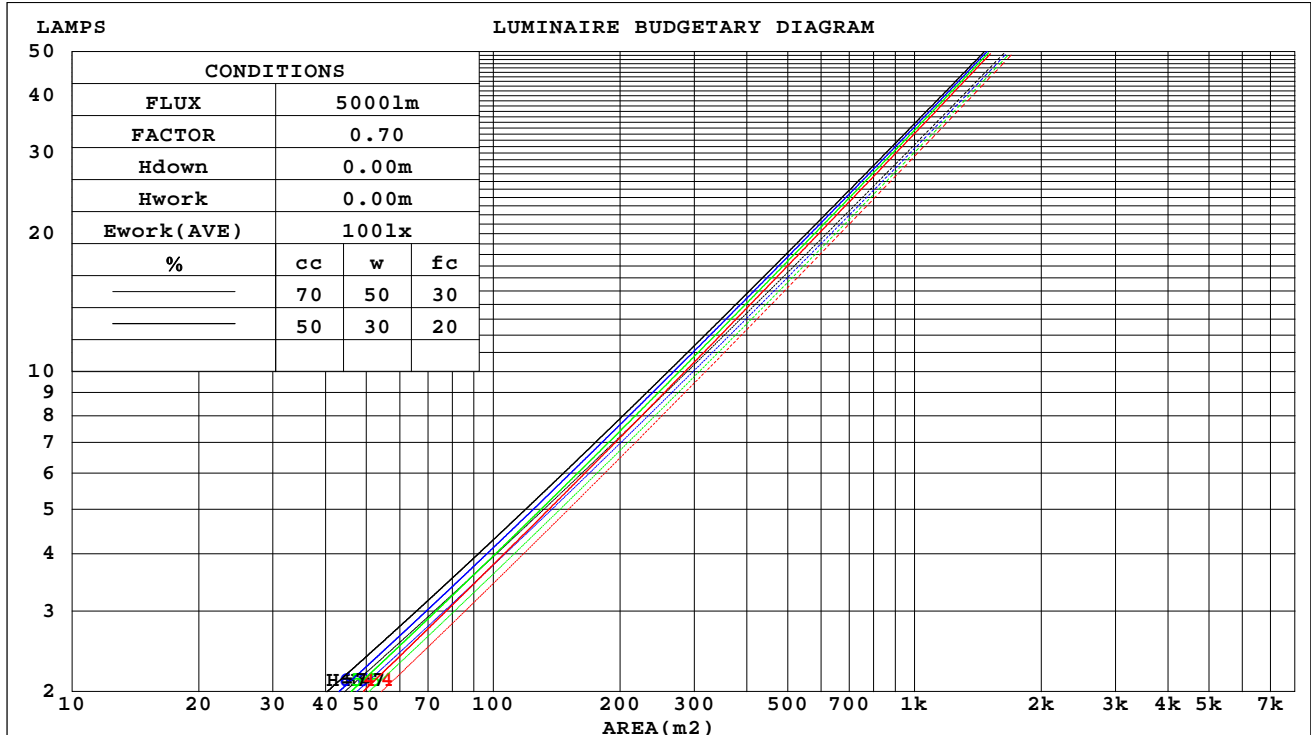
SERIAL No.: 2309161164

MFR.: RISE

SUR.: 0.00138474m2

Shielding Angle:

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | .00 | .00 | .00 | .97 | .97 | .97 | .93 | .93 | .93 | .89 | .89 | .89 | .85 | .85 | .85 | .84 |
| 1.0 | .94 | .93 | .91 | .92 | .91 | .90 | .89 | .88 | .87 | .86 | .85 | .84 | .83 | .83 | .82 | .80 |
| 2.0 | .90 | .87 | .85 | .88 | .86 | .84 | .86 | .84 | .82 | .83 | .82 | .80 | .81 | .80 | .79 | .77 |
| 3.0 | .85 | .82 | .80 | .84 | .81 | .79 | .82 | .80 | .78 | .80 | .78 | .77 | .78 | .77 | .75 | .74 |
| 4.0 | .82 | .78 | .75 | .81 | .77 | .75 | .79 | .76 | .74 | .77 | .75 | .73 | .76 | .74 | .72 | .71 |
| 5.0 | .78 | .75 | .72 | .77 | .74 | .71 | .76 | .73 | .71 | .75 | .72 | .70 | .74 | .71 | .70 | .69 |
| 6.0 | .75 | .71 | .69 | .75 | .71 | .68 | .73 | .70 | .68 | .72 | .70 | .68 | .71 | .69 | .67 | .66 |
| 7.0 | .72 | .69 | .66 | .72 | .68 | .66 | .71 | .68 | .65 | .70 | .67 | .65 | .69 | .67 | .65 | .64 |
| 8.0 | .70 | .66 | .63 | .69 | .66 | .63 | .68 | .65 | .63 | .68 | .65 | .63 | .67 | .64 | .62 | .62 |
| 9.0 | .67 | .64 | .61 | .67 | .63 | .61 | .66 | .63 | .61 | .66 | .63 | .61 | .65 | .62 | .60 | .60 |
| 10.0 | .65 | .61 | .59 | .65 | .61 | .59 | .64 | .61 | .59 | .64 | .61 | .59 | .63 | .60 | .58 | .58 |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

WEC AND CCEC

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .121 | .069 | .022 | .115 | .066 | .021 | .105 | .060 | .019 | .095 | .055 | .018 | .086 | .050 | .016 | |
| 2.0 | .113 | .062 | .019 | .108 | .059 | .018 | .099 | .055 | .017 | .091 | .051 | .016 | .084 | .048 | .015 | |
| 3.0 | .105 | .056 | .017 | .102 | .054 | .016 | .094 | .051 | .016 | .088 | .048 | .015 | .082 | .045 | .014 | |
| 4.0 | .099 | .052 | .015 | .096 | .050 | .015 | .090 | .048 | .014 | .084 | .045 | .014 | .079 | .043 | .013 | |
| 5.0 | .094 | .048 | .014 | .091 | .047 | .014 | .086 | .045 | .013 | .081 | .043 | .013 | .077 | .041 | .012 | |
| 6.0 | .089 | .045 | .013 | .087 | .044 | .013 | .083 | .042 | .012 | .078 | .041 | .012 | .074 | .039 | .012 | |
| 7.0 | .085 | .042 | .012 | .083 | .041 | .012 | .079 | .040 | .012 | .076 | .039 | .011 | .072 | .037 | .011 | |
| 8.0 | .082 | .040 | .011 | .080 | .039 | .011 | .076 | .038 | .011 | .073 | .037 | .011 | .070 | .036 | .010 | |
| 9.0 | .078 | .038 | .011 | .077 | .037 | .010 | .074 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 | |
| 10.0 | .075 | .036 | .010 | .074 | .036 | .010 | .071 | .035 | .010 | .068 | .034 | .010 | .066 | .033 | .010 | |

| cc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| fc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .160 | .160 | .160 | .136 | .136 | .136 | .093 | .093 | .093 | .053 | .053 | .053 | .017 | .017 | .017 | |
| 1.0 | .141 | .132 | .124 | .121 | .113 | .106 | .083 | .078 | .074 | .048 | .045 | .043 | .015 | .015 | .014 | |
| 2.0 | .127 | .111 | .098 | .109 | .096 | .085 | .074 | .066 | .059 | .043 | .039 | .035 | .014 | .012 | .011 | |
| 3.0 | .115 | .095 | .079 | .098 | .082 | .069 | .067 | .057 | .048 | .039 | .033 | .028 | .013 | .011 | .009 | |
| 4.0 | .104 | .082 | .065 | .090 | .071 | .057 | .062 | .049 | .040 | .036 | .029 | .024 | .011 | .009 | .008 | |
| 5.0 | .096 | .072 | .054 | .082 | .062 | .047 | .057 | .044 | .033 | .033 | .026 | .020 | .011 | .008 | .007 | |
| 6.0 | .089 | .064 | .046 | .076 | .055 | .040 | .053 | .039 | .028 | .031 | .023 | .017 | .010 | .007 | .006 | |
| 7.0 | .083 | .057 | .039 | .071 | .049 | .034 | .049 | .035 | .024 | .029 | .020 | .014 | .009 | .007 | .005 | |
| 8.0 | .078 | .051 | .033 | .067 | .045 | .029 | .046 | .031 | .021 | .027 | .018 | .012 | .009 | .006 | .004 | |
| 9.0 | .073 | .047 | .029 | .063 | .041 | .025 | .044 | .029 | .018 | .025 | .017 | .011 | .008 | .006 | .004 | |
| 10.0 | .069 | .043 | .025 | .060 | .037 | .022 | .041 | .026 | .016 | .024 | .015 | .009 | .008 | .005 | .003 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|--------------------|----------------|------|------------------------|------|------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | | | | | | | | | |
| NAME: 2118.574-ACOT-36 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2309161164 | | |
| MFR.: RISE | | | | | SUR.: 0.00138474m2 | | | 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 | 9.8 | 10.6 | 10.1 | 10.7 | 10.9 | 9.7 | 10.4 | 9.9 | 10.6 | 10.7 |
| 3H | 9.7 | 10.4 | 9.9 | 10.5 | 10.7 | 9.6 | 10.2 | 9.8 | 10.4 | 10.6 |
| 4H | 9.6 | 10.2 | 9.9 | 10.4 | 10.7 | 9.5 | 10.1 | 9.7 | 10.3 | 10.5 |
| 6H | 9.5 | 10.1 | 9.8 | 10.4 | 10.6 | 9.4 | 10.0 | 9.7 | 10.2 | 10.5 |
| 8H | 9.5 | 10.1 | 9.8 | 10.3 | 10.6 | 9.4 | 9.9 | 9.7 | 10.2 | 10.4 |
| 12H | 9.4 | 10.0 | 9.8 | 10.2 | 10.5 | 9.3 | 9.9 | 9.6 | 10.1 | 10.4 |
| 4H 2H | 9.6 | 10.2 | 9.9 | 10.5 | 10.7 | 9.5 | 10.1 | 9.8 | 10.3 | 10.5 |
| 3H | 9.5 | 10.0 | 9.8 | 10.3 | 10.5 | 9.3 | 9.9 | 9.6 | 10.1 | 10.4 |
| 4H | 9.4 | 9.9 | 9.7 | 10.1 | 10.4 | 9.2 | 9.7 | 9.6 | 10.0 | 10.3 |
| 6H | 9.3 | 9.7 | 9.6 | 10.0 | 10.4 | 9.1 | 9.6 | 9.5 | 9.9 | 10.2 |
| 8H | 9.2 | 9.6 | 9.6 | 10.0 | 10.3 | 9.1 | 9.5 | 9.5 | 9.8 | 10.2 |
| 12H | 9.1 | 9.5 | 9.6 | 9.9 | 10.3 | 9.0 | 9.4 | 9.4 | 9.8 | 10.2 |
| 8H 4H | 9.2 | 9.6 | 9.6 | 10.0 | 10.3 | 9.1 | 9.5 | 9.5 | 9.8 | 10.2 |
| 6H | 9.1 | 9.4 | 9.5 | 9.8 | 10.2 | 9.0 | 9.3 | 9.4 | 9.7 | 10.1 |
| 8H | 9.0 | 9.3 | 9.5 | 9.7 | 10.2 | 8.9 | 9.2 | 9.3 | 9.6 | 10.1 |
| 12H | 9.0 | 9.2 | 9.4 | 9.7 | 10.1 | 8.8 | 9.1 | 9.3 | 9.5 | 10.0 |
| 12H 4H | 9.1 | 9.5 | 9.6 | 9.9 | 10.3 | 9.0 | 9.4 | 9.4 | 9.8 | 10.1 |
| 6H | 9.0 | 9.3 | 9.5 | 9.7 | 10.2 | 8.9 | 9.2 | 9.3 | 9.6 | 10.1 |
| 8H | 9.0 | 9.2 | 9.4 | 9.7 | 10.1 | 8.8 | 9.1 | 9.3 | 9.5 | 10.0 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 3.3 / -12.5 | | | | | + 3.5 / -12.9 | | | | |
| 1.5H | + 5.4 / - 8.9 | | | | | + 5.6 / - 9.0 | | | | |
| 2.0H | + 6.2 / -11.9 | | | | | + 6.1 / -11.3 | | | | |

CIE Pub.117, 1099 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)
Area: 0.00138474 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

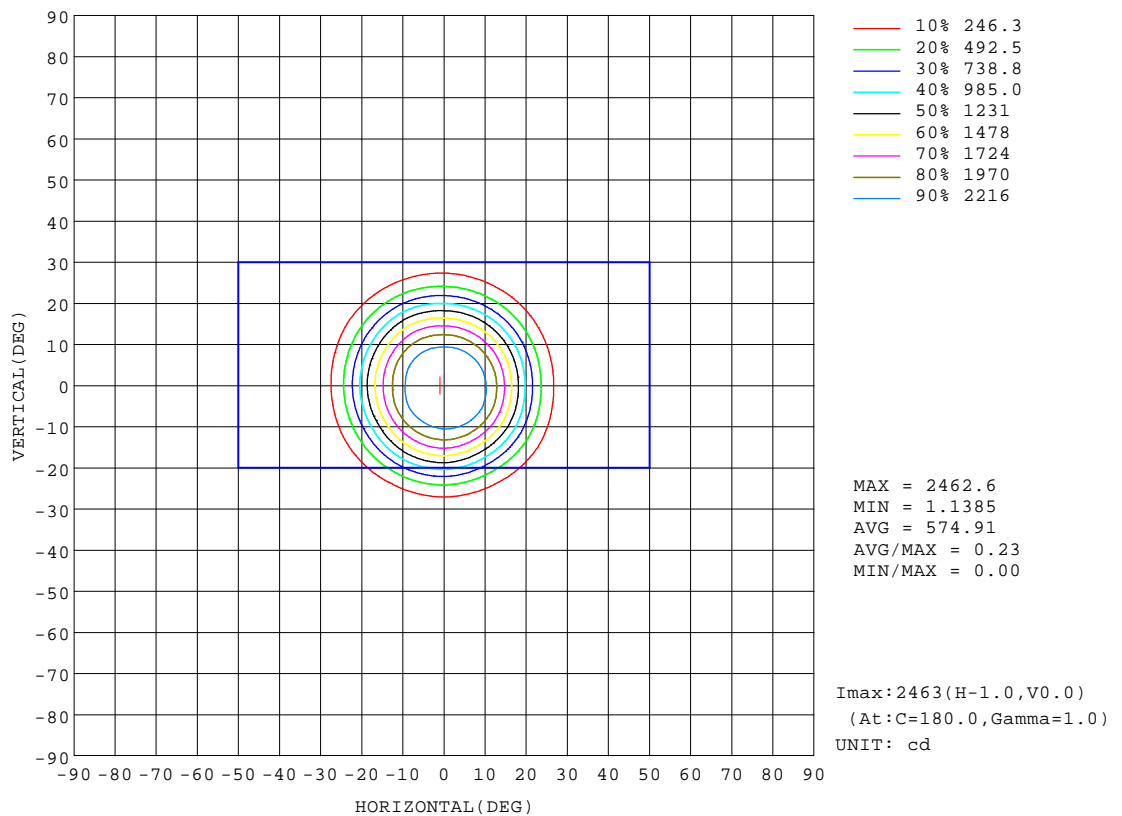
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 76 | 71 | 69 | 76 | 71 | 68 | 75 | 71 | 68 | 66 |
| 0.80 | 82 | 78 | 75 | 81 | 77 | 75 | 81 | 77 | 74 | 72 |
| 1.00 | 85 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 78 | 75 |
| 1.25 | 88 | 84 | 82 | 87 | 84 | 81 | 86 | 83 | 81 | 77 |
| 1.50 | 90 | 87 | 84 | 89 | 86 | 84 | 87 | 85 | 83 | 79 |
| 2.00 | 92 | 89 | 86 | 91 | 88 | 86 | 89 | 86 | 85 | 80 |
| 2.50 | 93 | 90 | 88 | 92 | 89 | 87 | 89 | 87 | 86 | 81 |
| 3.00 | 94 | 92 | 90 | 93 | 91 | 89 | 90 | 88 | 87 | 82 |
| 4.00 | 96 | 94 | 92 | 94 | 93 | 91 | 91 | 90 | 89 | 83 |
| 5.00 | 97 | 95 | 94 | 95 | 94 | 93 | 92 | 91 | 90 | 84 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

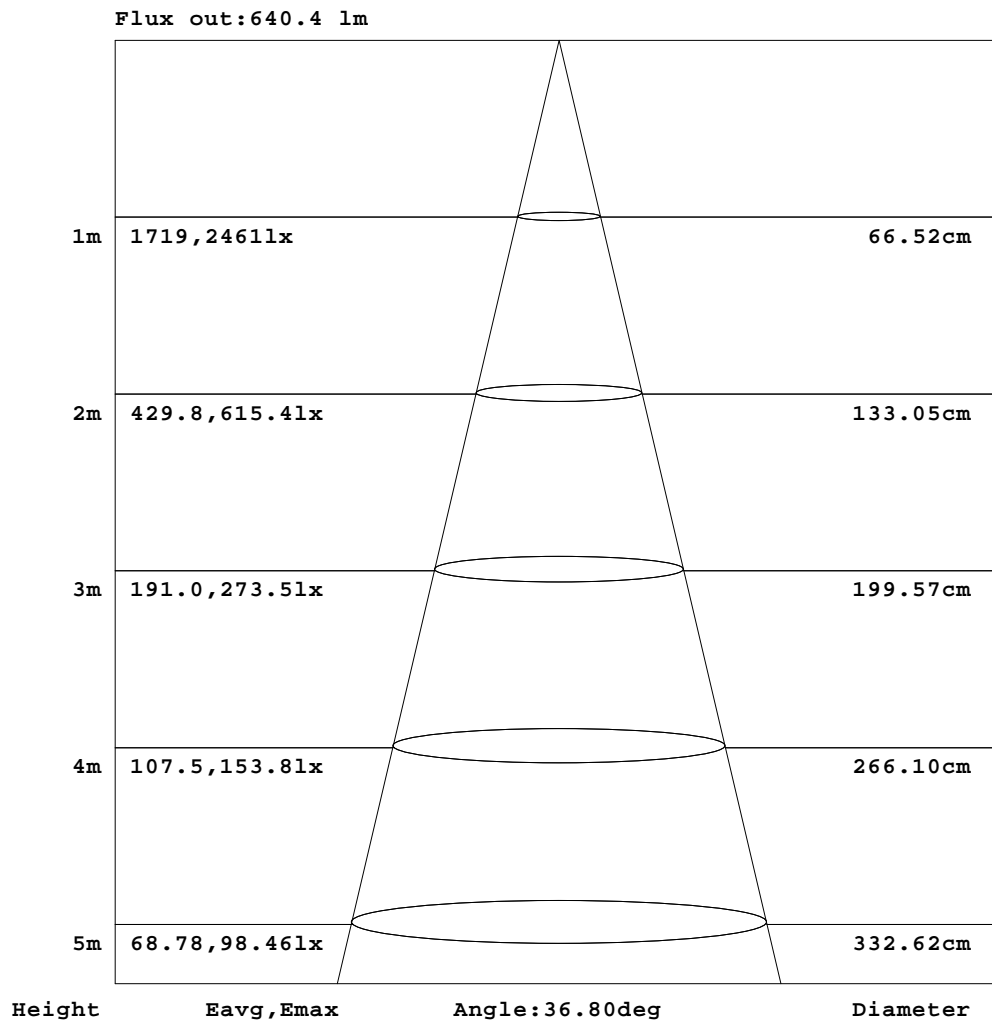


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

AAI Figure

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |



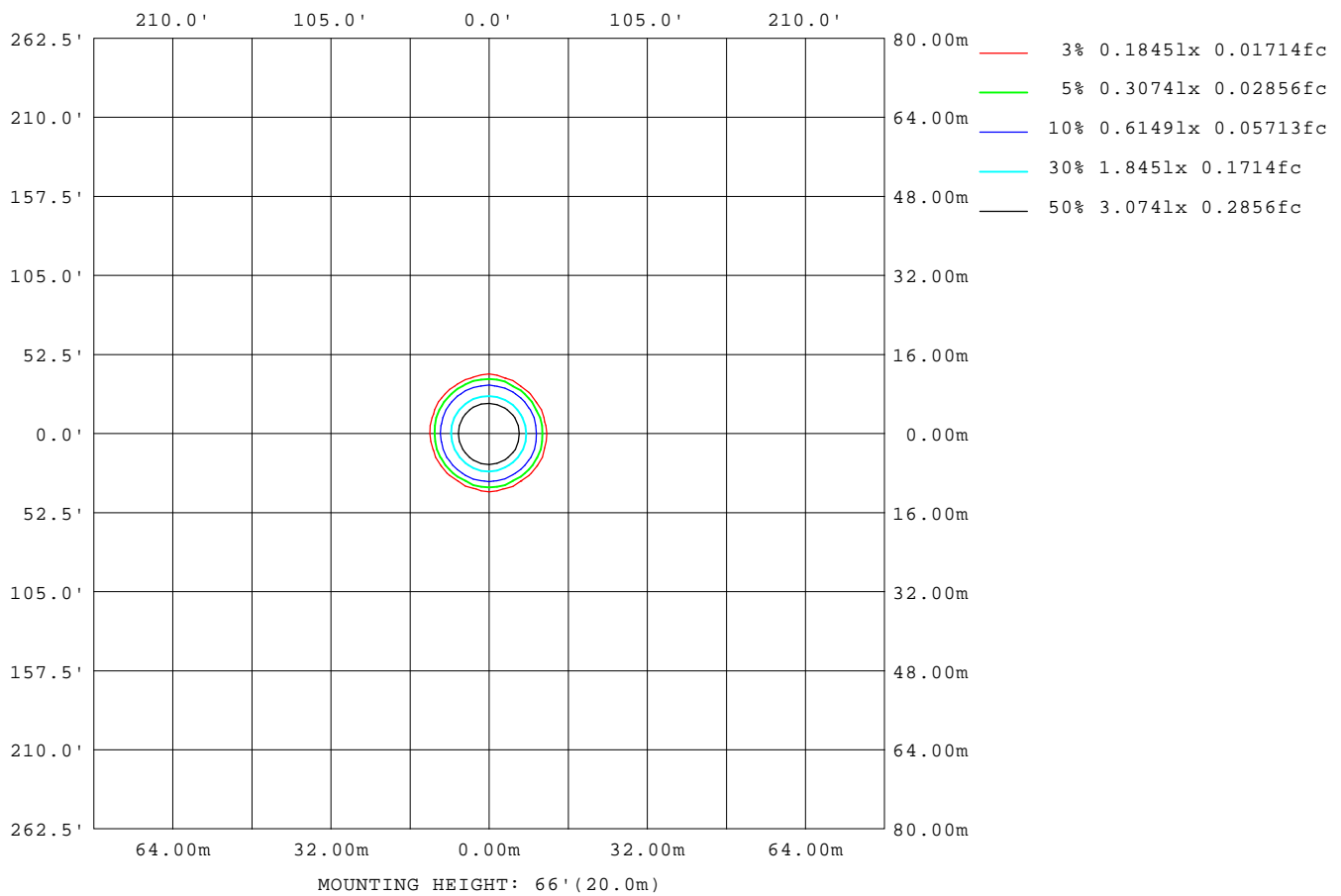
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

ISOLUX DIAGRAM

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

LED Avg.L Report

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

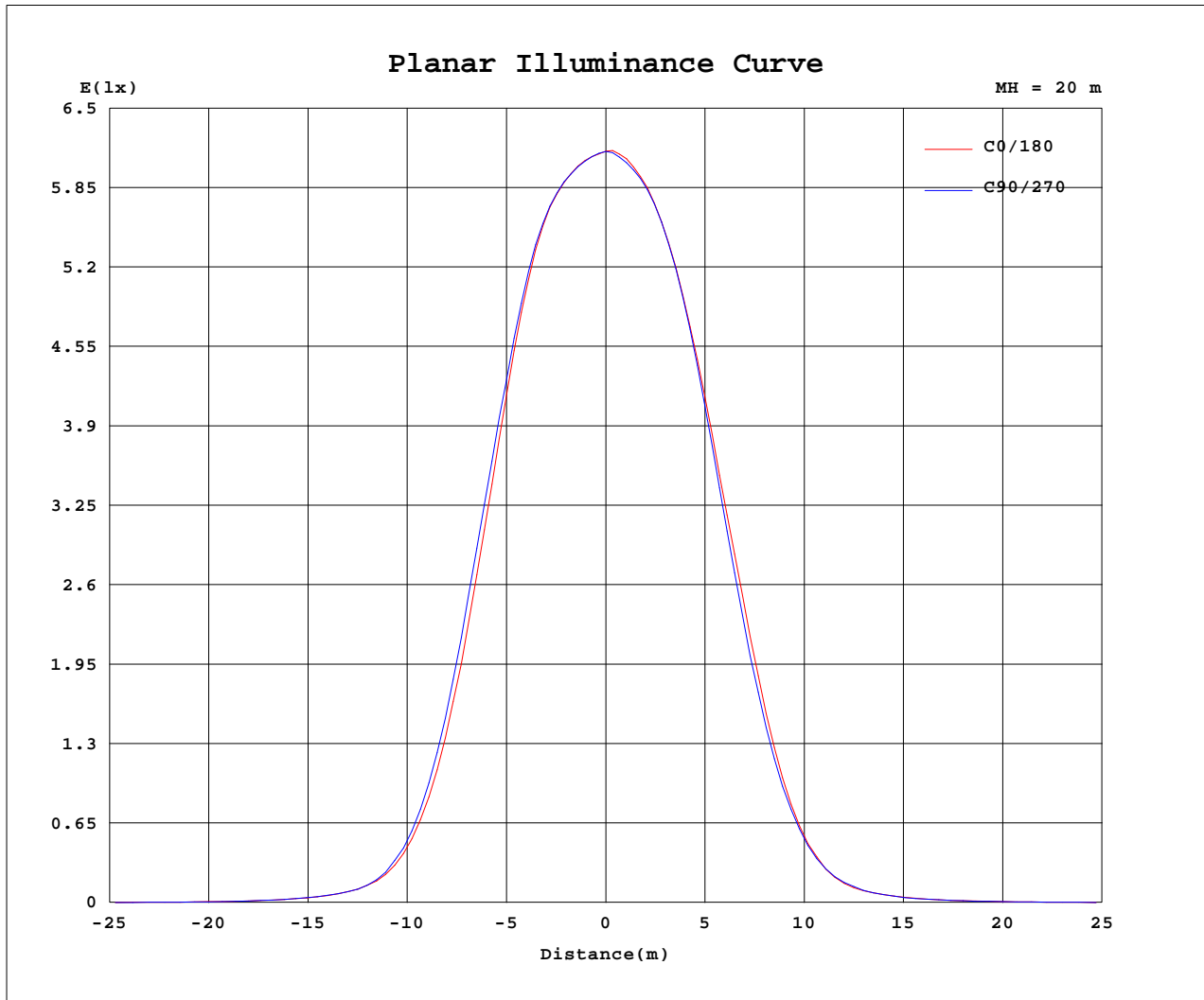
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 386 |
| L_0~180(75)av | 206 |
| L_0~180(85)av | 240 |
| L_90~270(65)av | 389 |
| L_90~270(75)av | 198 |
| L_90~270(85)av | 228 |
| L_45(65)av | 376 |
| L_45(75)av | 180 |
| L_45(85)av | 143 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-9-16

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90
LENS:PM-1083B 36R
DRIVER:9290 028 088 350mA
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: zoe
 Test Date: 2023-9-16

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra:90
 LENS: PM-1083B 36R
 DRIVER: 9290 028 088 350mA
 30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|--------------------|------------------------|
| Test:U:220.17V I:0.0756A P:16.436W PF:0.9854 Freq:49.99Hz Lamp Flux:1099.47x1 lm | | |
| NAME: 2118.574-ACOT-36 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2309161164 |
| MFR.: RISE | SUR.: 0.00138474m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) (DEG) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | 2460 | | | | | | |
| 5 | 2414 | 2426 | 2417 | 2414 | 2411 | 2405 | 2404 | 2399 | 2401 | 2399 | 2397 | 2405 | | | | | | |
| 10 | 2238 | 2271 | 2269 | 2255 | 2230 | 2215 | 2176 | 2196 | 2191 | 2174 | 2190 | 2213 | | | | | | |
| 15 | 1686 | 1726 | 1727 | 1762 | 1741 | 1712 | 1700 | 1701 | 1711 | 1660 | 1657 | 1671 | | | | | | |
| 20 | 943 | 991 | 985 | 1047 | 1045 | 1013 | 1050 | 1040 | 1039 | 974 | 960 | 953 | | | | | | |
| 25 | 365 | 395 | 379 | 411 | 400 | 412 | 434 | 444 | 432 | 411 | 382 | 371 | | | | | | |
| 30 | 109 | 121 | 112 | 115 | 105 | 123 | 127 | 142 | 128 | 131 | 111 | 104 | | | | | | |
| 35 | 43.2 | 46.2 | 44.8 | 43.9 | 43.0 | 45.8 | 47.4 | 51.7 | 47.5 | 47.4 | 42.9 | 40.3 | | | | | | |
| 40 | 19.2 | 20.9 | 19.5 | 19.5 | 19.4 | 20.5 | 20.8 | 21.0 | 20.8 | 20.1 | 19.4 | 17.7 | | | | | | |
| 45 | 8.63 | 9.00 | 8.78 | 8.14 | 8.92 | 9.50 | 9.55 | 8.87 | 9.40 | 9.30 | 8.76 | 7.64 | | | | | | |
| 50 | 3.79 | 4.04 | 3.96 | 3.54 | 4.10 | 4.54 | 4.36 | 3.75 | 4.38 | 4.36 | 4.01 | 3.33 | | | | | | |
| 55 | 1.55 | 1.65 | 1.62 | 1.40 | 1.69 | 1.96 | 1.95 | 1.62 | 1.86 | 1.77 | 1.60 | 1.32 | | | | | | |
| 60 | 0.59 | 0.61 | 0.60 | 0.59 | 0.72 | 0.69 | 0.87 | 0.73 | 0.80 | 0.69 | 0.60 | 0.53 | | | | | | |
| 65 | 0.21 | 0.21 | 0.22 | 0.22 | 0.23 | 0.23 | 0.24 | 0.23 | 0.23 | 0.23 | 0.22 | 0.20 | | | | | | |
| 70 | 0.12 | 0.11 | 0.12 | 0.12 | 0.13 | 0.13 | 0.14 | 0.13 | 0.12 | 0.13 | 0.11 | 0.11 | | | | | | |
| 75 | 0.07 | 0.06 | 0.06 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.06 | 0.06 | | | | | | |
| 80 | 0.04 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.05 | 0.03 | 0.03 | | | | | | |
| 85 | 0.03 | 0.01 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | | | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

C Range: 0 - 360DEG
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