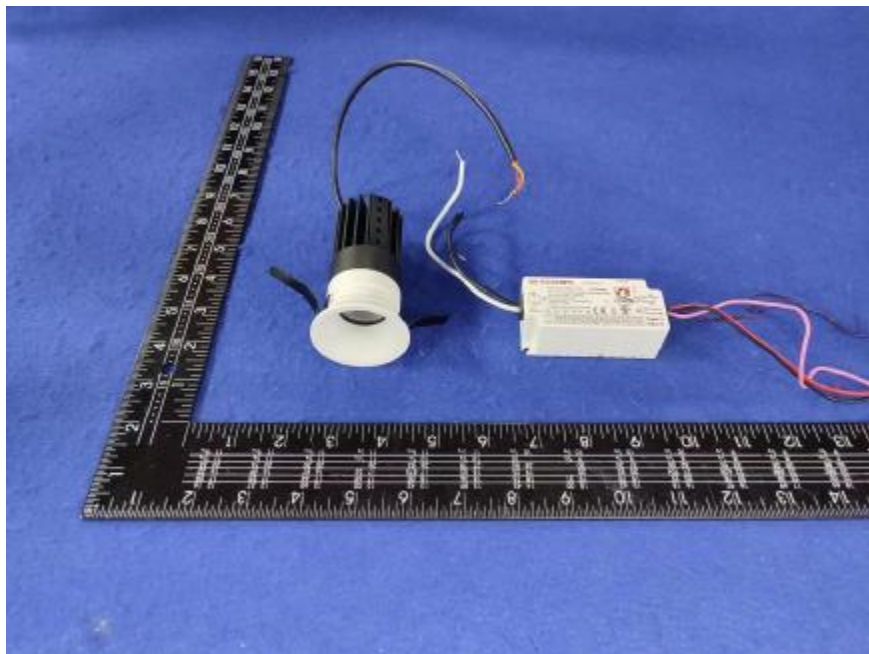


Luminaire Photograph



| | | |
|---------------------|---------|--------------------------|
| Light Output Ratio: | 79.9% | |
| Luminaire Power: | 11.73 W | |
| SHR Nominal: | 0.00 | Calculated using the TM5 |
| SHR Maximum: | 0.30 | fine grid method. |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

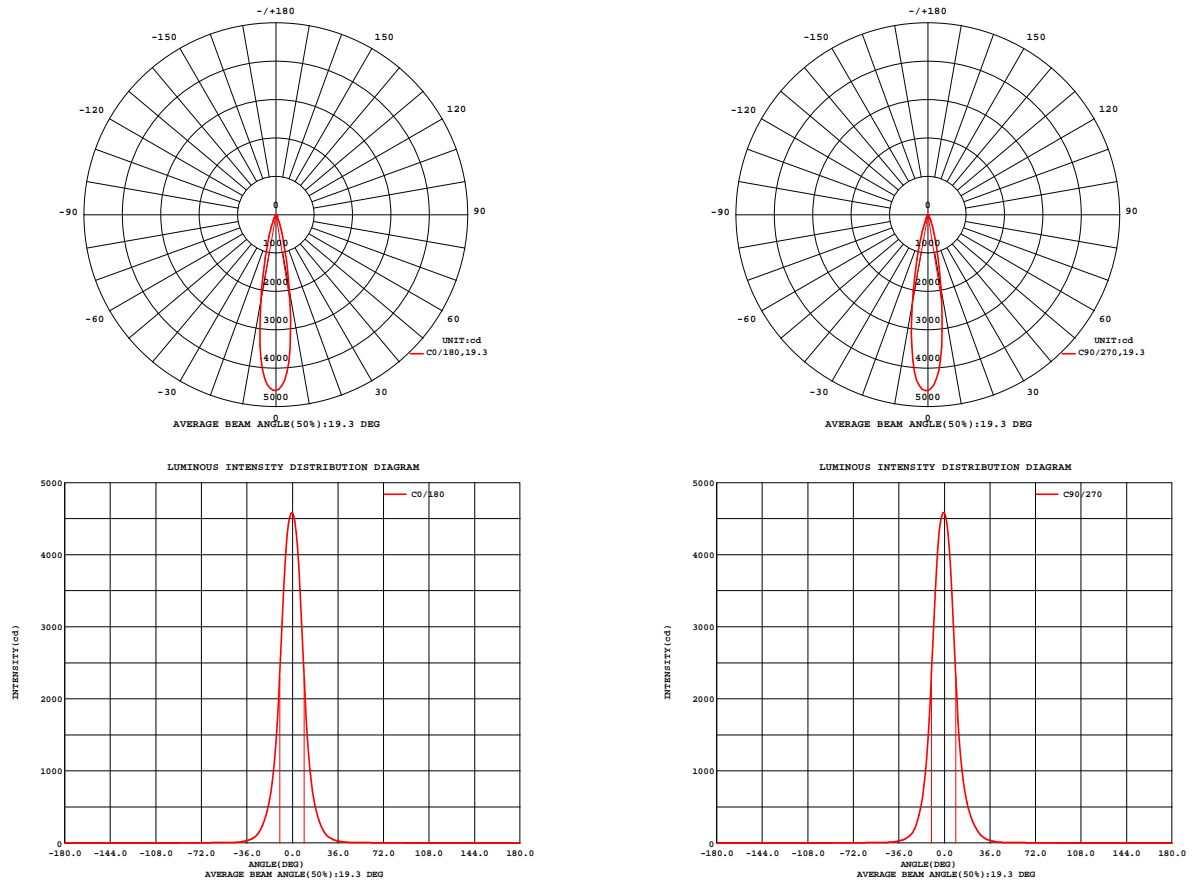


Fig. C0/C180

Fig. C90/C270

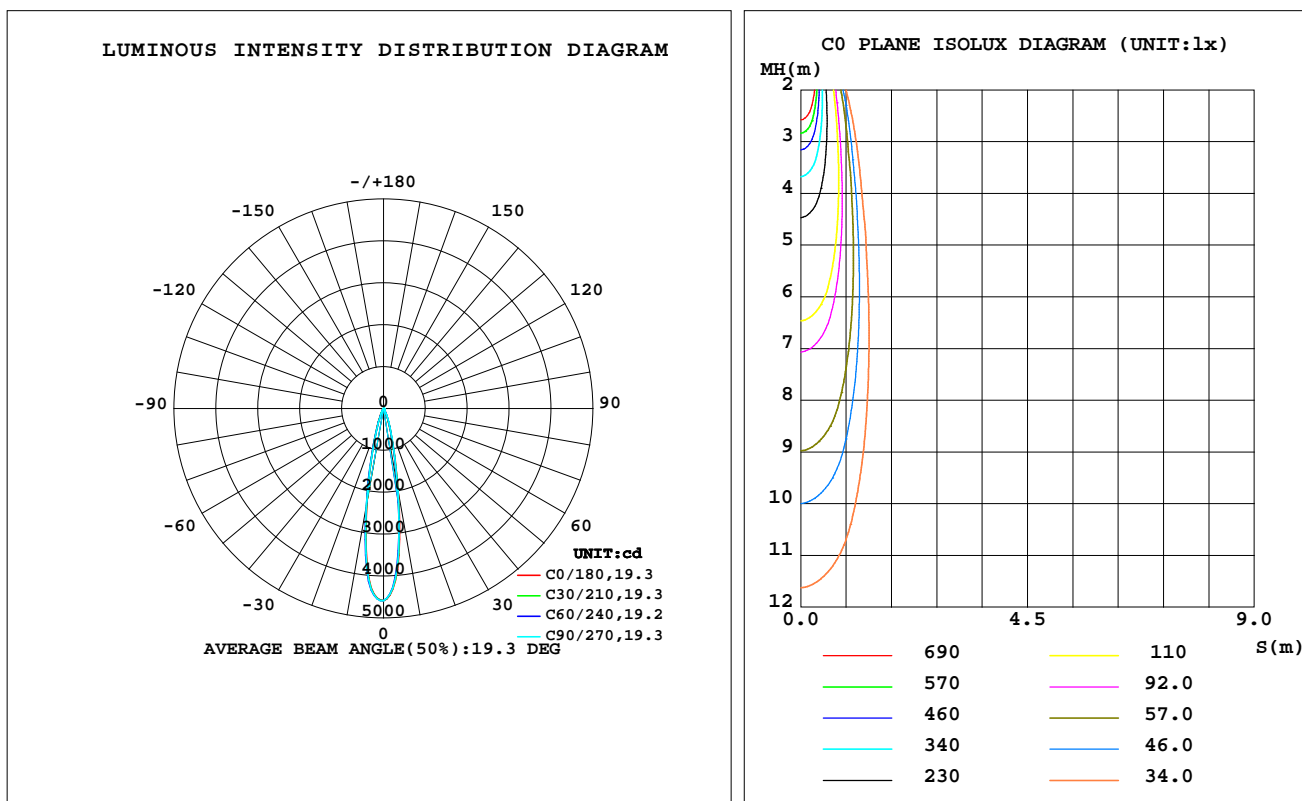
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra: 90
LENS: PM-1084 15R
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 61.09 lm/W |
|------------------|---------|-----------------------|--------|-----------------|----------|-----------------|
| MODEL | CREE | I _{max} (cd) | 4585 | S/MH(C0/180) | 0.34 | |
| NOMINAL POWER(W) | 12 | LOR(%) | 79.9 | S/MH(C90/270) | 0.35 | |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 716.47 | UP,DN(C0-180) | 0.0,39.0 | |
| NOMINAL FLUX(lm) | 896.707 | CIE CLASS | DIRECT | UP,DN(C180-360) | 0.0,40.9 | |
| LAMPS INSIDE | 1 | up(%) | 0.0 | CIBSE SHR NOM | 0.00 | |
| TEST VOLTAGE(V) | 120 | down(%) | 79.9 | CIBSE SHR MAX | 0.30 | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | | zone | total | %lum,lamp |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|-----------|
| 10 | 2050 | 1966 | 1985 | 2109 | 2288 | 2384 | 2378 | 2223 | 0- 10 | 315.7 | 315.7 | 44.1,35.2 |
| 20 | 375.2 | 392.4 | 421.9 | 443.9 | 437.9 | 413.8 | 388.1 | 374.6 | 10- 20 | 271.7 | 587.5 | 82,65.5 |
| 30 | 67.27 | 80.14 | 89.20 | 87.77 | 77.91 | 70.83 | 65.44 | 62.42 | 20- 30 | 86.47 | 673.9 | 94.1,75.2 |
| 40 | 15.72 | 16.99 | 18.88 | 19.06 | 18.09 | 16.48 | 15.67 | 15.43 | 30- 40 | 24.00 | 697.9 | 97.4,77.8 |
| 50 | 7.079 | 7.263 | 7.459 | 7.508 | 7.229 | 6.939 | 6.848 | 6.997 | 40- 50 | 7.500 | 705.4 | 98.5,78.7 |
| 60 | 5.296 | 5.520 | 5.736 | 5.763 | 5.568 | 5.354 | 5.221 | 5.231 | 50- 60 | 5.673 | 711.1 | 99.3,79.3 |
| 70 | 2.176 | 2.273 | 2.412 | 2.518 | 2.510 | 2.444 | 2.334 | 2.207 | 60- 70 | 3.889 | 715.0 | 99.8,79.7 |
| 80 | 0.4131 | 0.4303 | 0.4652 | 0.5143 | 0.5344 | 0.5022 | 0.4652 | 0.4109 | 70- 80 | 1.335 | 716.3 | 100,79.9 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 0.1457 | 716.5 | 100,79.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 716.5 | 100,79.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 716.5 | 100,79.9 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 716.5 | 100,79.9 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 716.5 | 100,79.9 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 716.5 | 100,79.9 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 716.5 | 100,79.9 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 716.5 | 100,79.9 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 716.5 | 100,79.9 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 716.5 | 100,79.9 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz
Lamp Flux:896.707x1 lm

NAME: 2318.203-LEA-09

TYPE:

WEIGHT:

SPEC.: 3000K

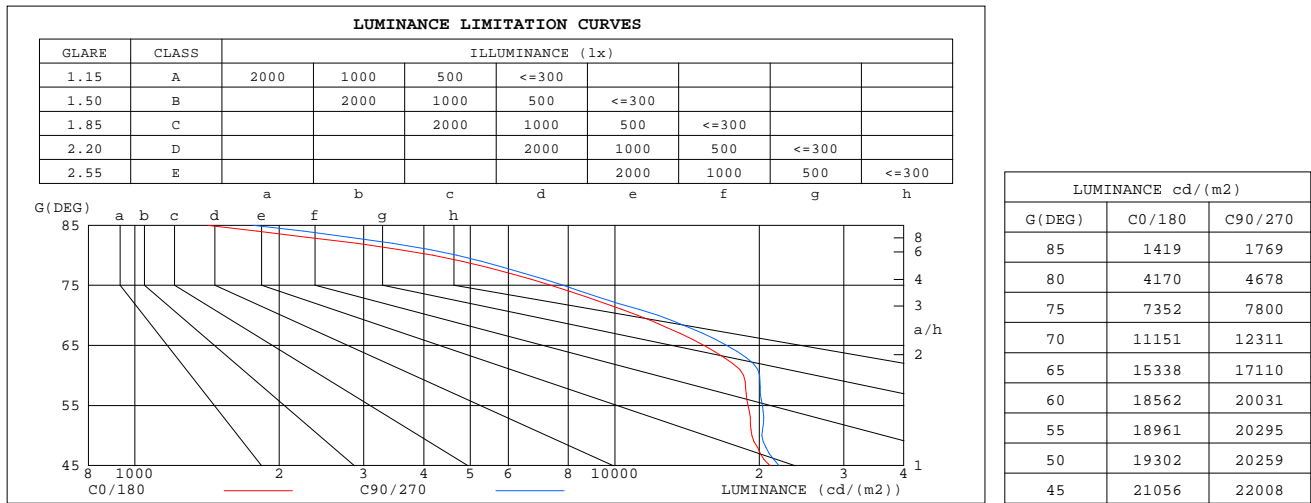
DIM.:

SERIAL No.: 2305310695

MFR.: RISE

SUR.: 0.000572265m2

Shielding Angle:



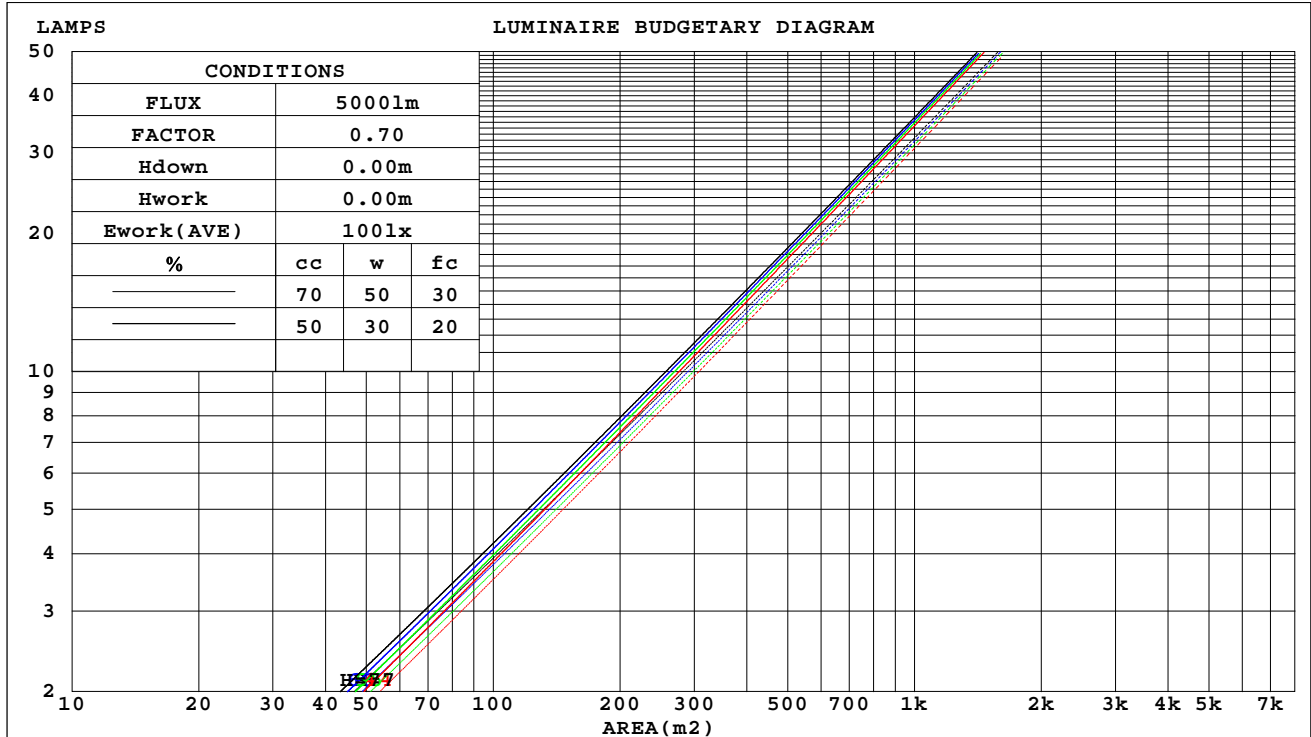
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | 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 | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

WEC AND CCEC

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | 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 | .107 | .061 | .019 | .102 | .058 | .018 | .092 | .053 | .017 | .083 | .048 | .015 | .074 | .043 | .014 | | |
| 2.0 | .099 | .054 | .017 | .095 | .052 | .016 | .086 | .048 | .015 | .079 | .044 | .014 | .072 | .041 | .013 | | |
| 3.0 | .092 | .049 | .015 | .088 | .047 | .014 | .081 | .044 | .013 | .075 | .041 | .013 | .069 | .038 | .012 | | |
| 4.0 | .086 | .044 | .013 | .083 | .043 | .013 | .077 | .041 | .012 | .072 | .038 | .012 | .067 | .036 | .011 | | |
| 5.0 | .080 | .041 | .012 | .078 | .040 | .012 | .073 | .038 | .011 | .068 | .036 | .011 | .064 | .034 | .010 | | |
| 6.0 | .076 | .038 | .011 | .073 | .037 | .011 | .069 | .035 | .010 | .065 | .034 | .010 | .062 | .033 | .010 | | |
| 7.0 | .071 | .035 | .010 | .070 | .035 | .010 | .066 | .033 | .010 | .063 | .032 | .009 | .059 | .031 | .009 | | |
| 8.0 | .068 | .033 | .009 | .066 | .033 | .009 | .063 | .032 | .009 | .060 | .030 | .009 | .057 | .029 | .009 | | |
| 9.0 | .065 | .031 | .009 | .063 | .031 | .009 | .060 | .030 | .008 | .058 | .029 | .008 | .055 | .028 | .008 | | |
| 10.0 | .062 | .030 | .008 | .060 | .029 | .008 | .058 | .028 | .008 | .056 | .028 | .008 | .053 | .027 | .008 | | |

| 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 | .152 | .152 | .152 | .130 | .130 | .130 | .089 | .089 | .089 | .051 | .051 | .051 | .016 | .016 | .016 | |
| 1.0 | .134 | .126 | .118 | .115 | .108 | .102 | .079 | .074 | .071 | .045 | .043 | .041 | .014 | .014 | .013 | |
| 2.0 | .120 | .106 | .095 | .103 | .091 | .082 | .070 | .063 | .057 | .041 | .037 | .033 | .013 | .012 | .011 | |
| 3.0 | .108 | .090 | .077 | .092 | .078 | .067 | .063 | .054 | .047 | .037 | .032 | .028 | .012 | .010 | .009 | |
| 4.0 | .097 | .078 | .063 | .084 | .068 | .055 | .057 | .047 | .039 | .033 | .028 | .023 | .011 | .009 | .008 | |
| 5.0 | .089 | .068 | .053 | .076 | .059 | .046 | .053 | .041 | .033 | .030 | .024 | .019 | .010 | .008 | .006 | |
| 6.0 | .081 | .060 | .045 | .070 | .052 | .039 | .048 | .036 | .028 | .028 | .021 | .016 | .009 | .007 | .005 | |
| 7.0 | .075 | .054 | .038 | .065 | .046 | .034 | .045 | .033 | .024 | .026 | .019 | .014 | .008 | .006 | .005 | |
| 8.0 | .070 | .048 | .033 | .060 | .042 | .029 | .042 | .029 | .021 | .024 | .017 | .012 | .008 | .006 | .004 | |
| 9.0 | .065 | .044 | .029 | .056 | .038 | .025 | .039 | .027 | .018 | .023 | .016 | .011 | .007 | .005 | .004 | |
| 10.0 | .061 | .040 | .025 | .053 | .034 | .022 | .037 | .024 | .016 | .021 | .014 | .009 | .007 | .005 | .003 | |

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|---------------------|----------------|------|------------------------|------|------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | | | | | | | | | |
| NAME: 2318.203-LEA-09 | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: 3000K | | | | | DIM.: | | | SERIAL No.: 2305310695 | | |
| MFR.: RISE | | | | | SUR.: 0.000572265m2 | | | 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 | 14.9 | 15.5 | 15.1 | 15.7 | 15.8 | 15.5 | 16.2 | 15.7 | 16.3 | 16.5 |
| 3H | 15.4 | 16.0 | 15.7 | 16.2 | 16.4 | 16.1 | 16.6 | 16.3 | 16.8 | 17.0 |
| 4H | 15.5 | 16.1 | 15.8 | 16.3 | 16.5 | 16.1 | 16.7 | 16.4 | 16.9 | 17.1 |
| 6H | 15.5 | 16.0 | 15.8 | 16.3 | 16.5 | 16.1 | 16.6 | 16.4 | 16.9 | 17.1 |
| 8H | 15.5 | 16.0 | 15.8 | 16.2 | 16.5 | 16.1 | 16.6 | 16.4 | 16.8 | 17.1 |
| 12H | 15.4 | 15.9 | 15.7 | 16.2 | 16.5 | 16.0 | 16.5 | 16.3 | 16.8 | 17.1 |
| 4H 2H | 15.2 | 15.8 | 15.5 | 16.0 | 16.2 | 15.8 | 16.3 | 16.0 | 16.5 | 16.7 |
| 3H | 15.8 | 16.3 | 16.1 | 16.6 | 16.8 | 16.4 | 16.9 | 16.7 | 17.1 | 17.4 |
| 4H | 15.9 | 16.4 | 16.3 | 16.7 | 17.0 | 16.5 | 16.9 | 16.8 | 17.2 | 17.5 |
| 6H | 15.9 | 16.3 | 16.3 | 16.7 | 17.0 | 16.5 | 16.9 | 16.8 | 17.2 | 17.5 |
| 8H | 15.9 | 16.3 | 16.3 | 16.6 | 17.0 | 16.4 | 16.8 | 16.8 | 17.1 | 17.5 |
| 12H | 15.9 | 16.2 | 16.3 | 16.6 | 16.9 | 16.4 | 16.7 | 16.8 | 17.1 | 17.5 |
| 8H 4H | 15.9 | 16.3 | 16.3 | 16.6 | 17.0 | 16.4 | 16.8 | 16.8 | 17.1 | 17.5 |
| 6H | 15.9 | 16.2 | 16.3 | 16.6 | 17.0 | 16.4 | 16.7 | 16.8 | 17.1 | 17.5 |
| 8H | 15.9 | 16.2 | 16.3 | 16.6 | 17.0 | 16.4 | 16.6 | 16.8 | 17.1 | 17.5 |
| 12H | 15.8 | 16.1 | 16.3 | 16.5 | 17.0 | 16.3 | 16.6 | 16.8 | 17.0 | 17.5 |
| 12H 4H | 15.9 | 16.2 | 16.3 | 16.6 | 17.0 | 16.4 | 16.7 | 16.8 | 17.1 | 17.5 |
| 6H | 15.9 | 16.1 | 16.3 | 16.6 | 17.0 | 16.4 | 16.6 | 16.8 | 17.0 | 17.5 |
| 8H | 15.8 | 16.1 | 16.3 | 16.5 | 17.0 | 16.3 | 16.6 | 16.8 | 17.0 | 17.5 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 1.1 / - 1.1 | | | | | + 1.5 / - 1.2 | | | | |
| 1.5H | + 2.2 / - 0.9 | | | | | + 3.0 / - 1.1 | | | | |
| 2.0H | + 0.3 / - 0.6 | | | | | + 0.3 / - 0.8 | | | | |

CIE Pub.117, 896.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
Area: 0.000572265 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

UTILIZATION FACTORS TABLE

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |

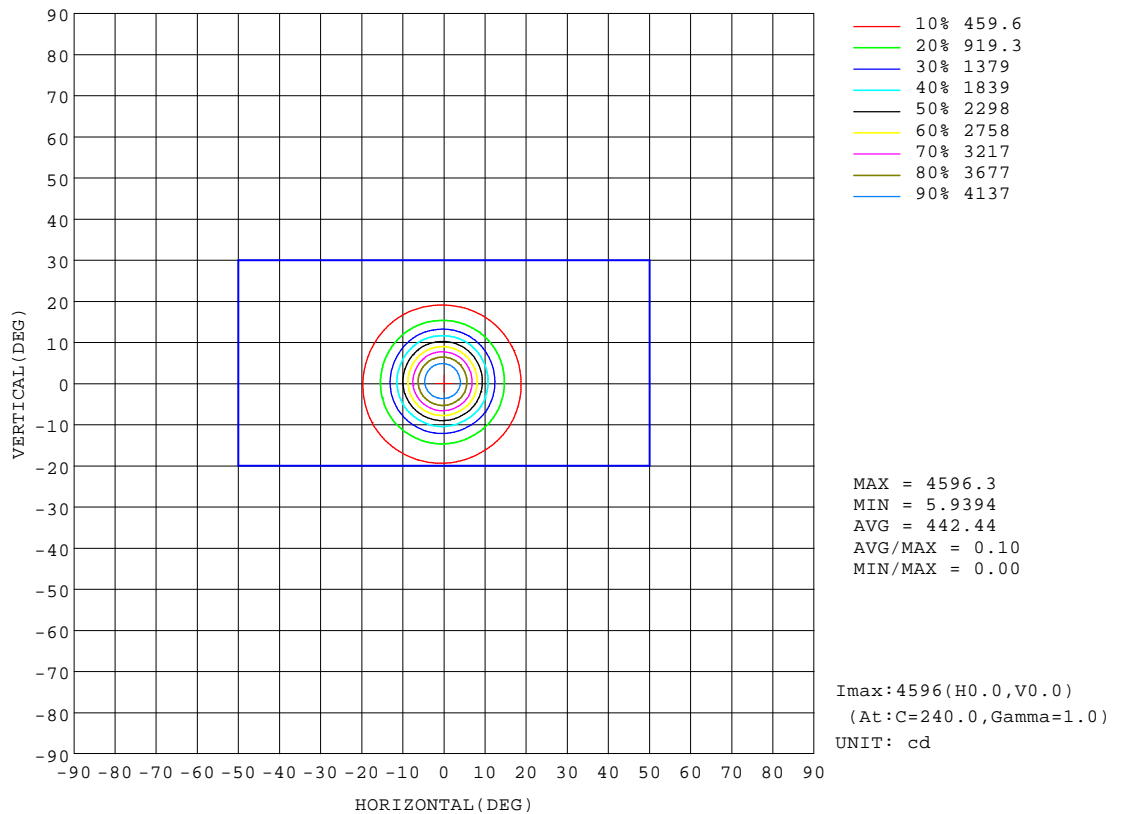
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 72 | 67 | 64 | 71 | 67 | 64 | 71 | 67 | 64 | 62 |
| 0.80 | 78 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 67 |
| 1.00 | 81 | 76 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 70 |
| 1.25 | 84 | 80 | 77 | 83 | 79 | 77 | 81 | 78 | 76 | 73 |
| 1.50 | 86 | 82 | 80 | 85 | 81 | 79 | 83 | 80 | 78 | 75 |
| 2.00 | 87 | 84 | 82 | 86 | 83 | 81 | 84 | 82 | 80 | 76 |
| 2.50 | 89 | 86 | 84 | 87 | 85 | 83 | 85 | 83 | 81 | 77 |
| 3.00 | 90 | 87 | 85 | 88 | 86 | 84 | 86 | 84 | 83 | 78 |
| 4.00 | 91 | 89 | 88 | 90 | 88 | 87 | 87 | 85 | 84 | 79 |
| 5.00 | 92 | 91 | 89 | 91 | 89 | 88 | 87 | 86 | 86 | 80 |
| 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:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up

ISOCANDELA DIAGRAM

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |

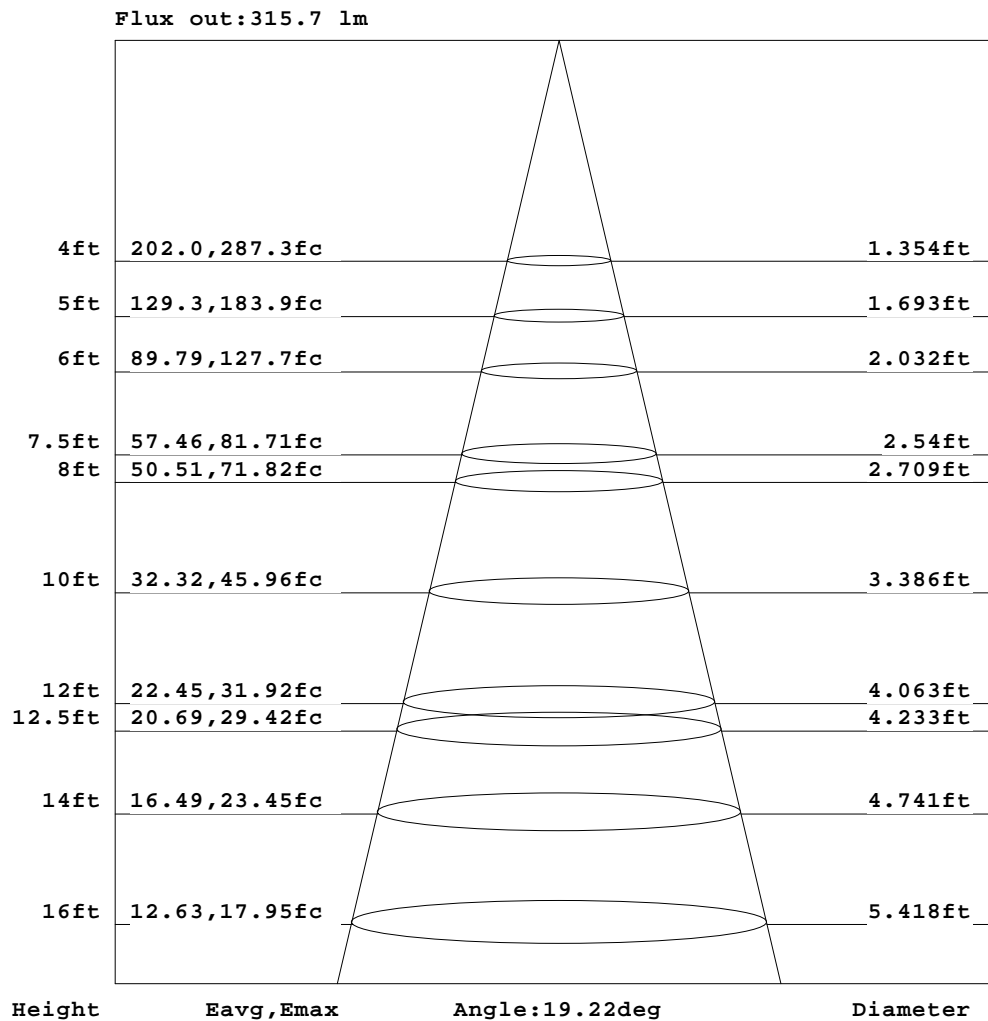


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

AAI Figure

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |



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

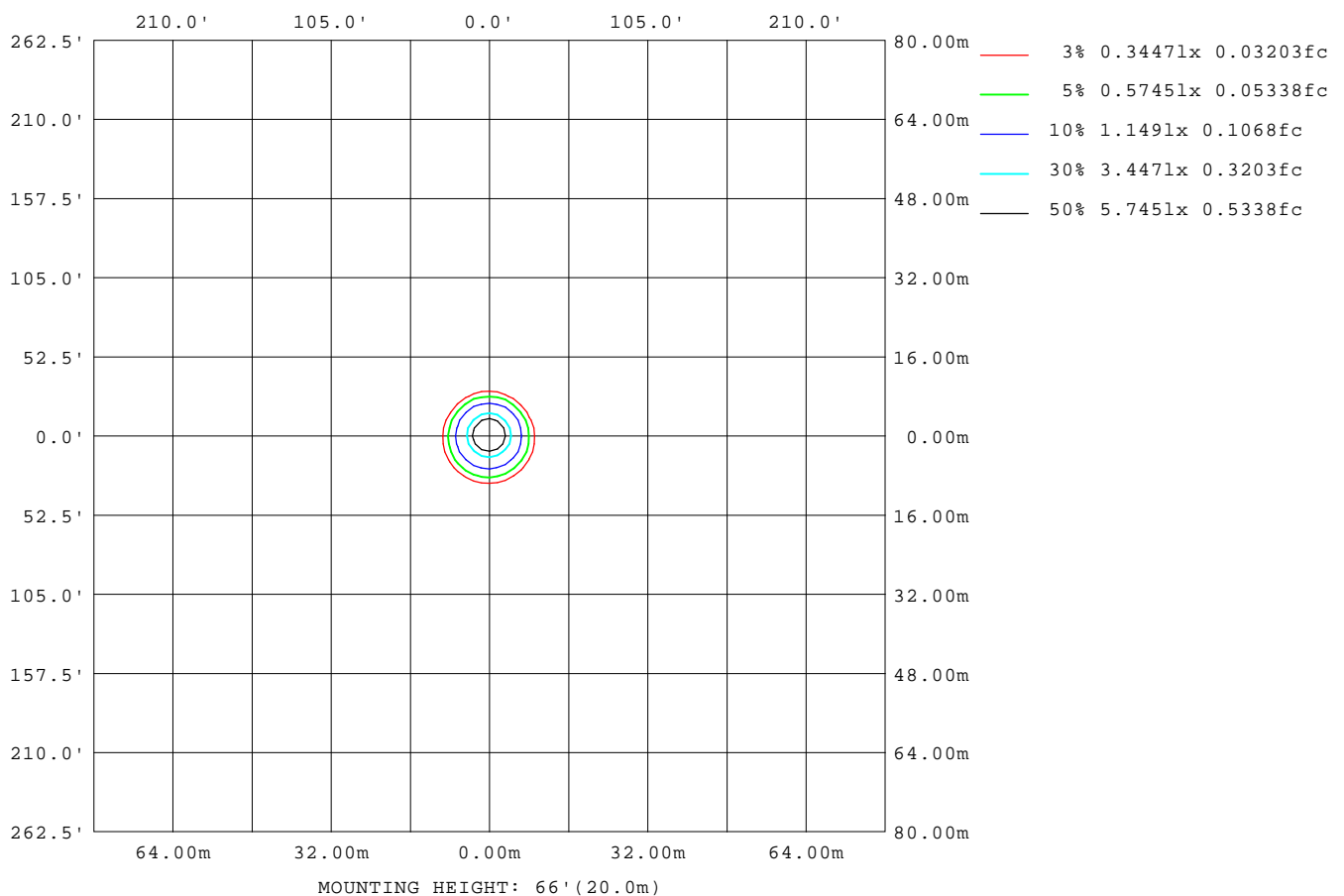
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
30minutes warm-up



ISOLUX DIAGRAM

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: zoe
Test Date: 2023-5-31

```

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:CMAL306-0000-000F0U0A30G Ra:90
          LENS: PM-1084 15R
          DRIVER:PUP10A-1WMC-700 500mA
          30minutes warm-up

```

LED Avg.L Report

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |

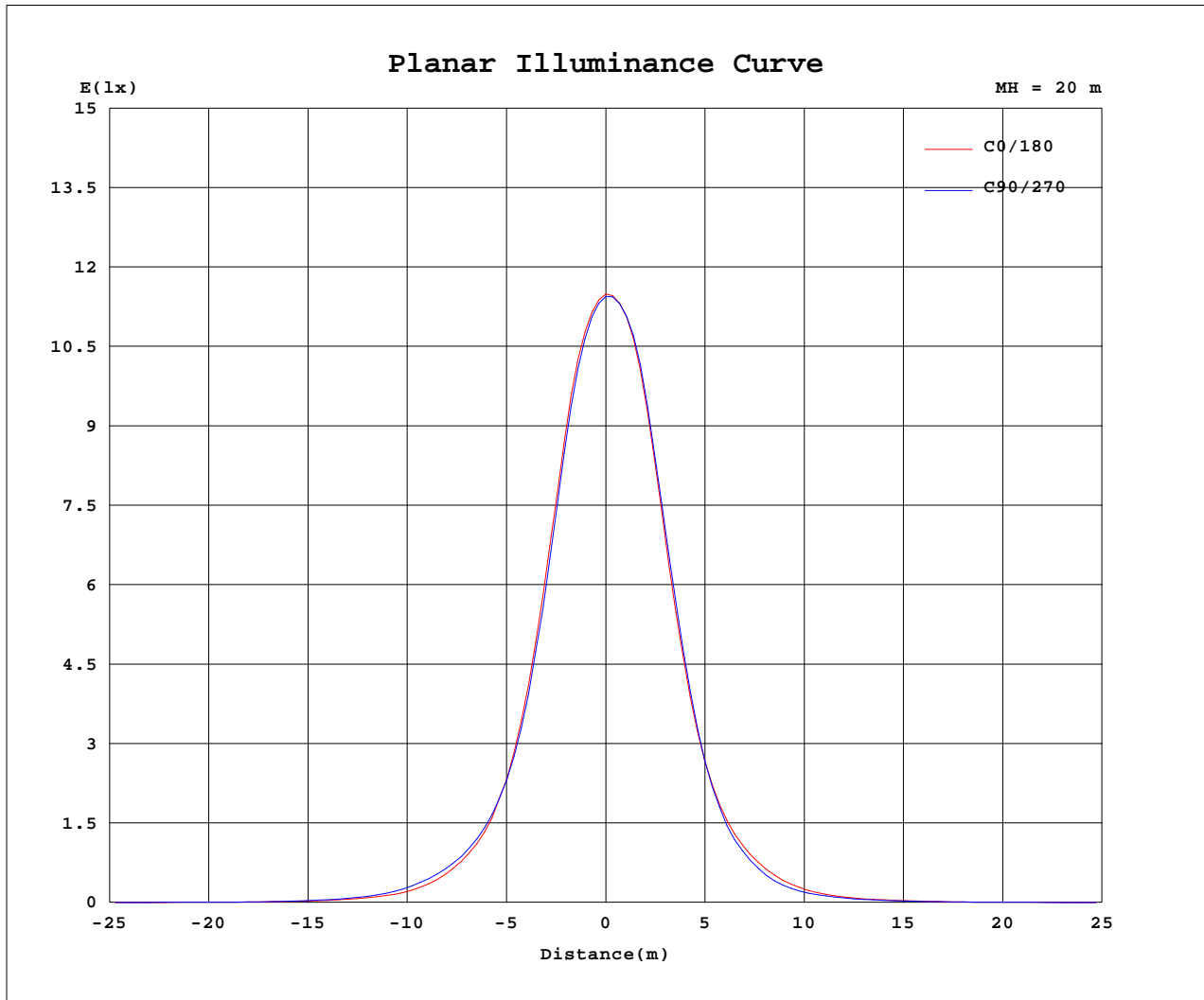
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 16140 |
| L_0~180(75)av | 8063 |
| L_0~180(85)av | 1790 |
| L_90~270(65)av | 16396 |
| L_90~270(75)av | 8001 |
| L_90~270(85)av | 1629 |
| L_45(65)av | 16269 |
| L_45(75)av | 8100 |
| L_45(85)av | 1470 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

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:CMA1306-0000-000F0U0A30G Ra:90
LENS: PM-1084 15R
DRIVER:PUP10A-1WMC-700 500mA
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: 2023-5-31

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: CMA1306-0000-000F0U0A30G Ra:90
 LENS: PM-1084 15R
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---------------------|------------------------|
| Test:U:120.08V I:0.0988A P:11.729W PF:0.9869 Freq:59.98Hz Lamp Flux:896.707x1 lm | | |
| NAME: 2318.203-LEA-09 | TYPE: | WEIGHT: |
| SPEC.: 3000K | DIM.: | SERIAL No.: 2305310695 |
| MFR.: RISE | SUR.: 0.000572265m2 | Shielding Angle: |

Table--1

UNIT: cd

| C(DEC) (DEC) | 0 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 330 | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 0 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | 4583 | | | | | | |
| 5 | 3860 | 3813 | 3762 | 3791 | 3860 | 3965 | 4055 | 4095 | 4135 | 4111 | 4043 | 3941 | | | | | | |
| 10 | 2050 | 2011 | 1921 | 1985 | 2047 | 2170 | 2288 | 2351 | 2417 | 2378 | 2289 | 2158 | | | | | | |
| 15 | 869 | 850 | 847 | 873 | 907 | 964 | 987 | 983 | 1005 | 970 | 942 | 904 | | | | | | |
| 20 | 375 | 388 | 397 | 422 | 438 | 450 | 438 | 417 | 410 | 388 | 379 | 370 | | | | | | |
| 25 | 157 | 177 | 190 | 207 | 205 | 205 | 188 | 171 | 161 | 146 | 144 | 144 | | | | | | |
| 30 | 67.3 | 76.1 | 84.2 | 89.2 | 90.2 | 85.4 | 77.9 | 71.9 | 69.7 | 65.4 | 62.5 | 62.4 | | | | | | |
| 35 | 33.1 | 36.3 | 38.8 | 41.6 | 41.7 | 40.8 | 37.6 | 34.9 | 33.5 | 31.8 | 30.9 | 31.3 | | | | | | |
| 40 | 15.7 | 16.5 | 17.5 | 18.9 | 19.0 | 19.2 | 18.1 | 16.7 | 16.3 | 15.7 | 15.4 | 15.4 | | | | | | |
| 45 | 8.50 | 8.58 | 8.73 | 8.91 | 8.98 | 8.97 | 8.67 | 8.47 | 8.37 | 8.35 | 8.41 | 8.50 | | | | | | |
| 50 | 7.08 | 7.19 | 7.34 | 7.46 | 7.55 | 7.47 | 7.23 | 7.00 | 6.88 | 6.85 | 6.97 | 7.02 | | | | | | |
| 55 | 6.21 | 6.35 | 6.52 | 6.67 | 6.73 | 6.69 | 6.45 | 6.23 | 6.10 | 6.06 | 6.16 | 6.15 | | | | | | |
| 60 | 5.30 | 5.44 | 5.60 | 5.74 | 5.78 | 5.75 | 5.57 | 5.41 | 5.30 | 5.22 | 5.21 | 5.25 | | | | | | |
| 65 | 3.70 | 3.84 | 3.98 | 4.14 | 4.19 | 4.20 | 4.11 | 3.99 | 3.91 | 3.79 | 3.70 | 3.66 | | | | | | |
| 70 | 2.18 | 2.24 | 2.30 | 2.41 | 2.49 | 2.54 | 2.51 | 2.46 | 2.43 | 2.33 | 2.24 | 2.18 | | | | | | |
| 75 | 1.09 | 1.10 | 1.13 | 1.16 | 1.26 | 1.30 | 1.30 | 1.28 | 1.27 | 1.21 | 1.15 | 1.09 | | | | | | |
| 80 | 0.41 | 0.42 | 0.44 | 0.47 | 0.50 | 0.53 | 0.53 | 0.51 | 0.50 | 0.47 | 0.42 | 0.40 | | | | | | |
| 85 | 0.07 | 0.07 | 0.07 | 0.09 | 0.09 | 0.10 | 0.11 | 0.09 | 0.08 | 0.07 | 0.05 | 0.05 | | | | | | |
| 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
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2023-5-31

Range: 0 - 180DEG
Interval: 1.0DEG
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