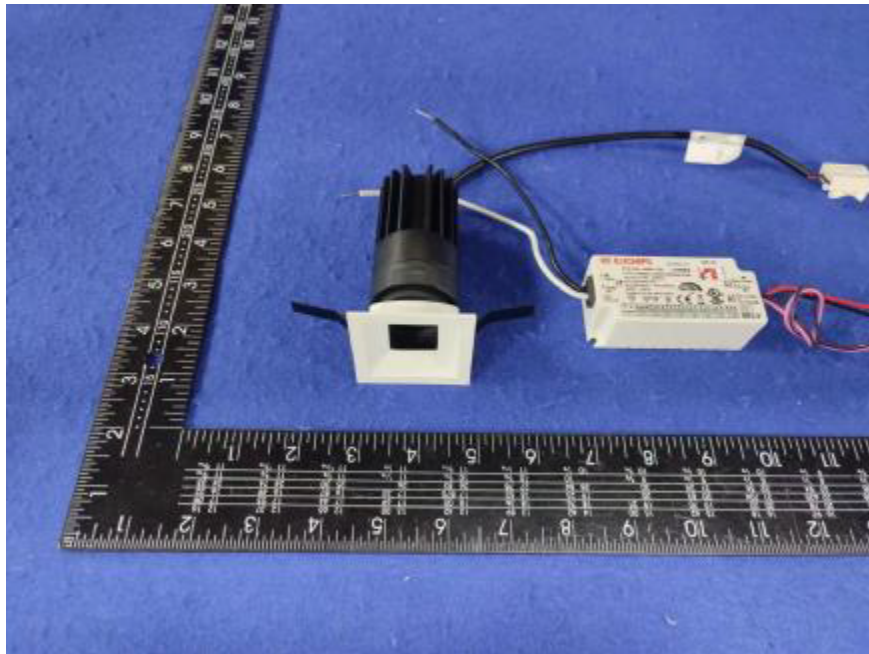


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	32.8%	
Luminaire Power:	11.21 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

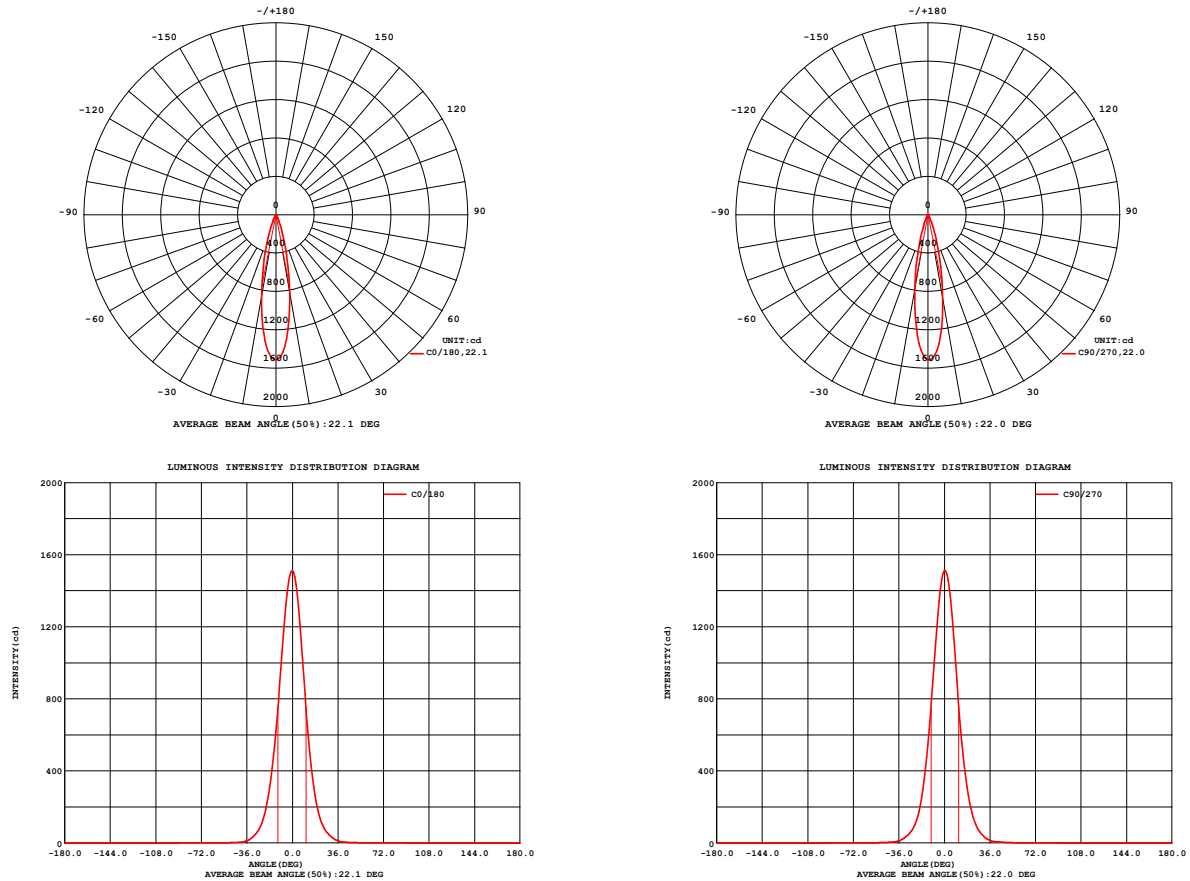


Fig. C0/C180

Fig. C90/C270

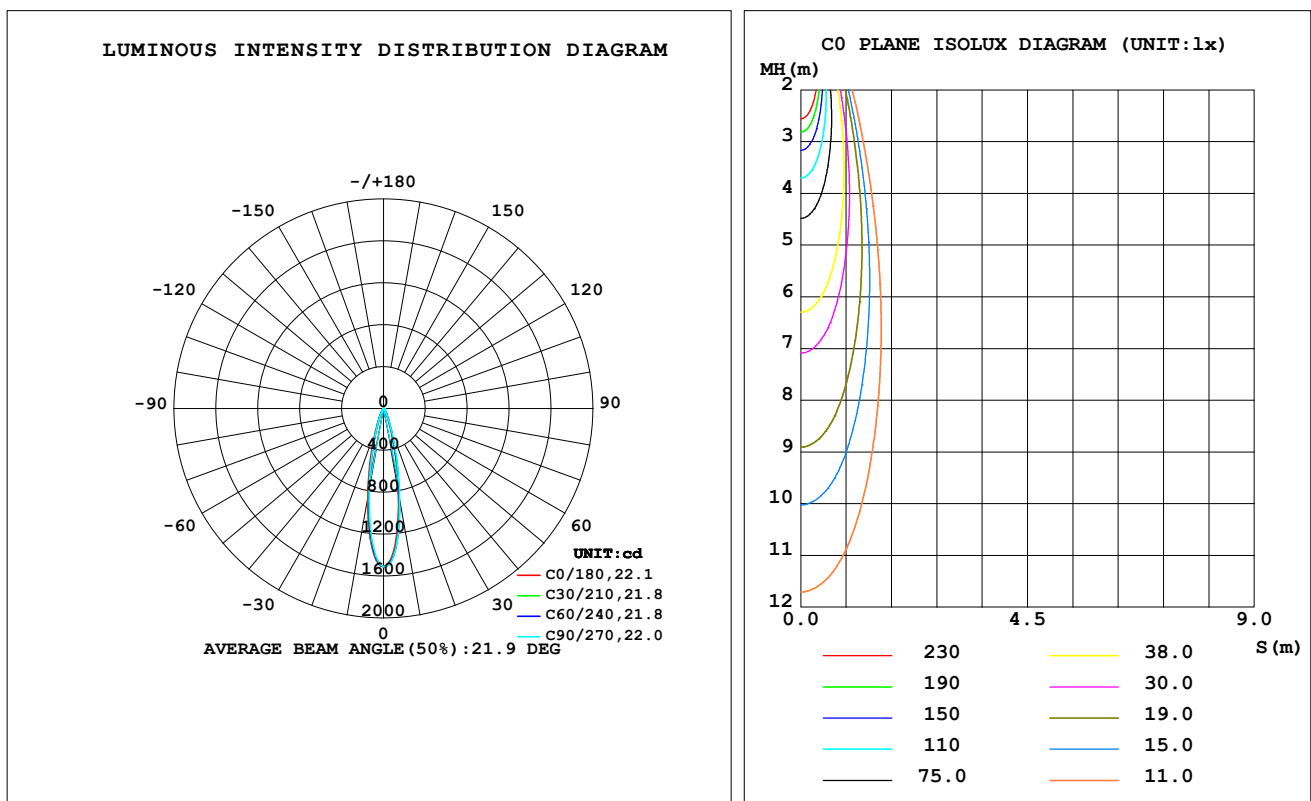
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 15°
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2024-1-5

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103 15R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.05 lm/W
MODEL	Bridgelux	I _{max} (cd)	1511	S/MH (C0/180)		0.39
NOMINAL POWER (W)	11	LOR (%)	32.8	S/MH (C90/270)		0.36
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	292.01	☒ UP, DN (C0-180)		0.0, 17.1
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	☒ UP, DN (C180-360)		0.0, 15.8
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE (V)	120	☒ down (%)	32.8	CIBSE SHR MAX		0.30



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXRV-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R+DIFFUSER

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	826.3	869.5	892.9	868.8	873.5	818.9	799.5	774.0	0- 10	109.2	109.2	37.4,12.3
20	189.1	208.3	227.3	209.3	223.5	192.8	173.9	163.3	10- 20	120.4	229.5	78.6,25.8
30	39.31	49.40	44.56	48.42	40.90	44.89	36.49	39.74	20- 30	45.08	274.6	94,30.9
40	5.599	7.641	7.274	7.150	5.250	6.213	5.615	5.907	30- 40	12.30	286.9	98.3,32.3
50	1.921	2.602	2.843	2.185	1.574	1.872	1.967	1.929	40- 50	2.759	289.7	99.2,32.6
60	0.9383	1.048	1.109	0.8059	0.6278	0.7834	1.009	0.9236	50- 60	1.256	290.9	99.6,32.7
70	0.5620	0.5777	0.5991	0.6328	0.8267	0.6007	0.5963	0.5507	60- 70	0.7215	291.6	99.9,32.8
80	0.0769	0.0727	0.0489	0.0527	0.0512	0.0530	0.0618	0.0710	70- 80	0.3372	292.0	100,32.8
90	0	0	0	0	0	0	0	0	80- 90	0.0312	292.0	100,32.8
100	0	0	0	0	0	0	0	0	90-100	0	292.0	100,32.8
110	0	0	0	0	0	0	0	0	100-110	0	292.0	100,32.8
120	0	0	0	0	0	0	0	0	110-120	0	292.0	100,32.8
130	0	0	0	0	0	0	0	0	120-130	0	292.0	100,32.8
140	0	0	0	0	0	0	0	0	130-140	0	292.0	100,32.8
150	0	0	0	0	0	0	0	0	140-150	0	292.0	100,32.8
160	0	0	0	0	0	0	0	0	150-160	0	292.0	100,32.8
170	0	0	0	0	0	0	0	0	160-170	0	292.0	100,32.8
180	0	0	0	0	0	0	0	0	170-180	0	292.0	100,32.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3℃

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

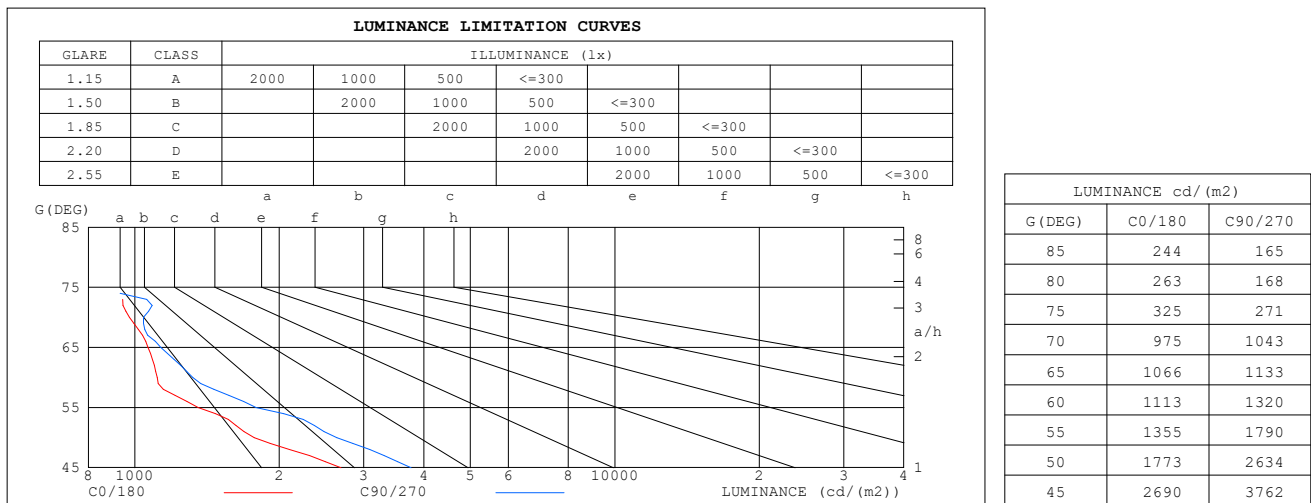
LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test: U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:


C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R+DIFFUSER

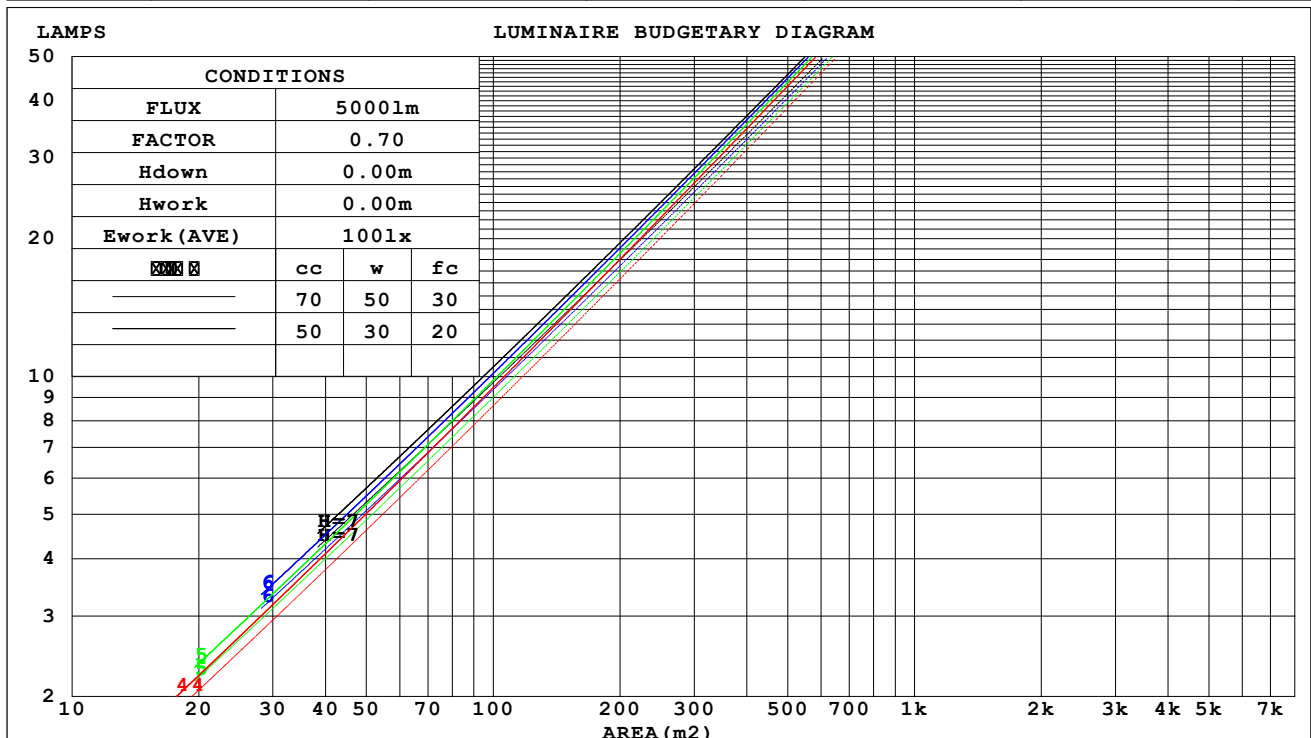
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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	.39	.39	.39	.38	.38	.38	.36	.36	.36	.35	.35	.35	.34	.34	.34	.33														
1.0	.37	.36	.36	.36	.36	.35	.35	.35	.34	.34	.34	.33	.33	.33	.32	.32														
2.0	.35	.34	.34	.35	.34	.33	.34	.33	.32	.33	.32	.32	.32	.31	.31	.31														
3.0	.34	.33	.32	.33	.32	.31	.33	.32	.31	.32	.31	.30	.31	.31	.30	.30														
4.0	.32	.31	.30	.32	.31	.30	.31	.30	.30	.31	.30	.29	.30	.30	.29	.29														
5.0	.31	.30	.29	.31	.30	.29	.31	.29	.29	.30	.29	.28	.30	.29	.28	.28														
6.0	.30	.29	.28	.30	.29	.28	.30	.28	.28	.29	.28	.27	.29	.28	.27	.27														
7.0	.29	.28	.27	.29	.28	.27	.29	.28	.27	.28	.27	.27	.28	.27	.27	.26														
8.0	.28	.27	.26	.28	.27	.26	.28	.27	.26	.28	.27	.26	.27	.26	.26	.25														
9.0	.28	.26	.25	.27	.26	.25	.27	.26	.25	.27	.26	.25	.27	.26	.25	.25														
10.0	.27	.26	.25	.27	.25	.25	.26	.25	.25	.26	.25	.25	.26	.25	.24	.24														



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3℃

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

WEC AND CCEC

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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	.045	.026	.008	.043	.024	.008	.039	.022	.007	.035	.020	.006	.032	.018	.006		
2.0	.042	.023	.007	.040	.022	.007	.037	.020	.006	.034	.019	.006	.031	.017	.005		
3.0	.039	.021	.006	.037	.020	.006	.035	.019	.006	.032	.018	.005	.030	.016	.005		
4.0	.036	.019	.006	.035	.018	.005	.033	.017	.005	.031	.016	.005	.029	.016	.005		
5.0	.034	.018	.005	.033	.017	.005	.031	.016	.005	.029	.016	.005	.028	.015	.004		
6.0	.032	.016	.005	.032	.016	.005	.030	.015	.004	.028	.015	.004	.027	.014	.004		
7.0	.031	.015	.004	.030	.015	.004	.029	.014	.004	.027	.014	.004	.026	.013	.004		
8.0	.029	.014	.004	.029	.014	.004	.027	.014	.004	.026	.013	.004	.025	.013	.004		
9.0	.028	.014	.004	.027	.013	.004	.026	.013	.004	.025	.013	.004	.024	.012	.004		
10.0	.027	.013	.004	.026	.013	.004	.025	.012	.003	.024	.012	.003	.023	.012	.003		

☒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	.063	.063	.063	.053	.053	.053	.036	.036	.036	.021	.021	.021	.007	.007	.007	
1.0	.055	.052	.049	.047	.044	.042	.032	.031	.029	.019	.018	.017	.006	.006	.005	
2.0	.049	.044	.039	.042	.038	.033	.029	.026	.023	.017	.015	.014	.005	.005	.004	
3.0	.044	.037	.031	.038	.032	.027	.026	.022	.019	.015	.013	.011	.005	.004	.004	
4.0	.040	.032	.026	.035	.028	.023	.024	.019	.016	.014	.011	.009	.004	.004	.003	
5.0	.037	.028	.022	.032	.024	.019	.022	.017	.013	.013	.010	.008	.004	.003	.003	
6.0	.034	.025	.018	.029	.022	.016	.020	.015	.011	.012	.009	.007	.004	.003	.002	
7.0	.031	.022	.016	.027	.019	.014	.019	.013	.010	.011	.008	.006	.004	.003	.002	
8.0	.029	.020	.013	.025	.017	.012	.017	.012	.008	.010	.007	.005	.003	.002	.002	
9.0	.027	.018	.012	.024	.016	.010	.016	.011	.007	.010	.007	.004	.003	.002	.001	
10.0	.026	.016	.010	.022	.014	.009	.015	.010	.006	.009	.006	.004	.003	.002	.001	

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3℃

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-M-1.5-DM-15-SQ-AD						TYPE:			WEIGHT:		
SPEC.: 3000K						DIM.:			SERIAL No.: 2401050013		
MFR.: MERCURY LIGHTING						SUR.: 0.001681m2			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	2H	8.1	8.8	8.3	8.9	9.1	8.7	9.3	8.9	9.5	9.6
	3H	8.2	8.8	8.4	9.0	9.2	8.7	9.3	9.0	9.5	9.7
	4H	8.2	8.8	8.5	9.0	9.2	8.7	9.3	9.0	9.5	9.7
	6H	8.1	8.7	8.4	8.9	9.1	8.7	9.2	8.9	9.4	9.7
	8H	8.1	8.6	8.4	8.9	9.1	8.6	9.2	8.9	9.4	9.6
	12H	8.0	8.6	8.4	8.8	9.1	8.6	9.1	8.9	9.3	9.6
4H	2H	8.0	8.6	8.3	8.8	9.0	8.6	9.1	8.8	9.3	9.6
	3H	8.2	8.7	8.5	9.0	9.2	8.7	9.2	9.0	9.5	9.7
	4H	8.2	8.7	8.5	9.0	9.3	8.7	9.2	9.0	9.5	9.8
	6H	8.1	8.5	8.5	8.9	9.2	8.6	9.0	9.0	9.4	9.7
	8H	8.1	8.5	8.5	8.8	9.2	8.6	9.0	9.0	9.3	9.7
	12H	8.0	8.4	8.4	8.7	9.1	8.5	8.9	8.9	9.2	9.6
8H	4H	8.1	8.5	8.5	8.8	9.2	8.6	9.0	9.0	9.3	9.7
	6H	8.0	8.3	8.4	8.7	9.1	8.5	8.8	8.9	9.2	9.6
	8H	8.0	8.3	8.4	8.7	9.1	8.5	8.7	8.9	9.2	9.6
	12H	7.9	8.2	8.4	8.6	9.1	8.4	8.6	8.9	9.1	9.5
12H	4H	8.1	8.4	8.5	8.8	9.2	8.6	8.9	9.0	9.3	9.7
	6H	8.0	8.2	8.4	8.7	9.1	8.4	8.7	8.9	9.1	9.6
	8H	7.9	8.2	8.4	8.6	9.1	8.4	8.6	8.9	9.1	9.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.9 / - 3.2					+ 2.4 / - 3.2					
1.5H	+ 3.3 / - 2.6					+ 3.7 / - 2.1					
2.0H	+ 2.4 / - 2.2					+ 3.1 / - 2.7					

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.001681 m2

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3℃

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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) $k(RI) \times RCR = 5$									
$k = 0.60$	30	28	27	30	28	27	29	28	27	26
0.80	32	30	29	32	30	29	31	30	29	28
1.00	33	32	31	33	31	30	33	31	30	29
1.25	34	33	32	34	33	32	34	32	31	30
1.50	35	34	33	35	34	33	34	33	32	31
2.00	36	35	34	36	34	34	35	34	33	31
2.50	36	35	34	36	35	34	35	34	34	32
3.00	37	36	35	36	35	35	35	35	34	32
4.00	38	37	36	37	36	36	36	35	35	32
5.00	38	37	37	37	37	36	36	36	35	33
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXR V-DR-1830G-100Z-A-23 Ra: 90

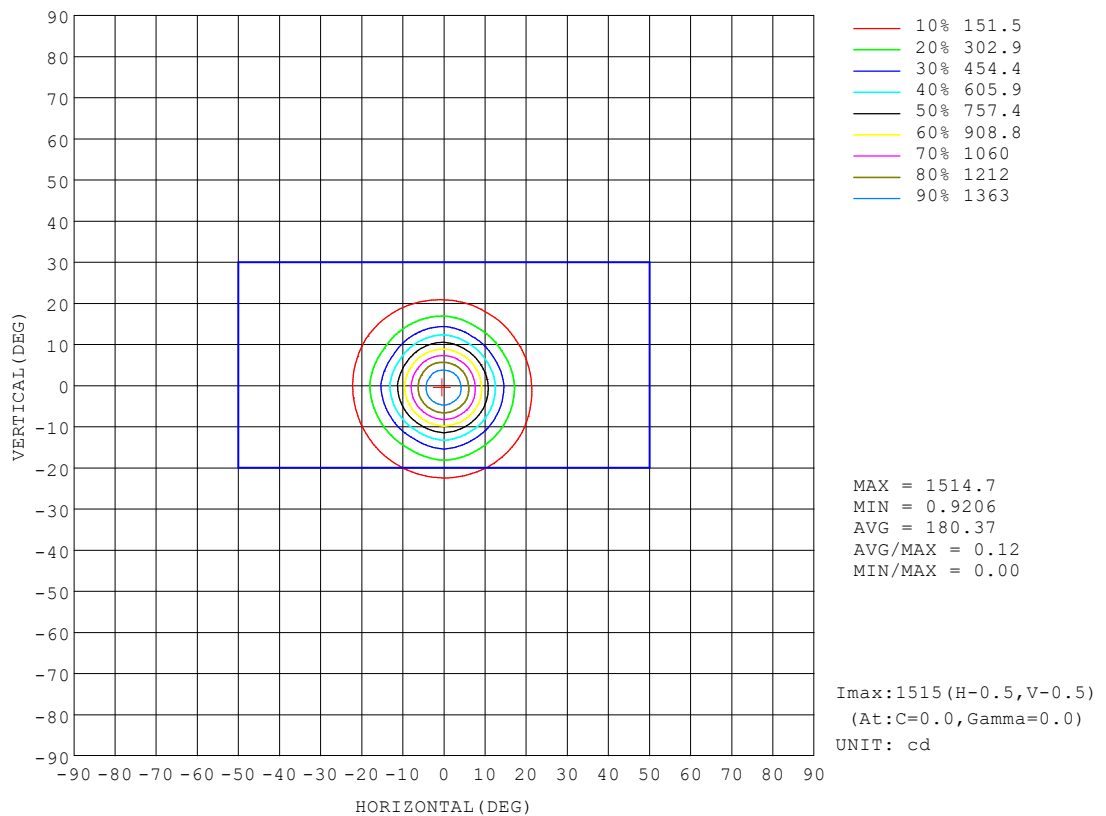
LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOCANDELA DIAGRAM

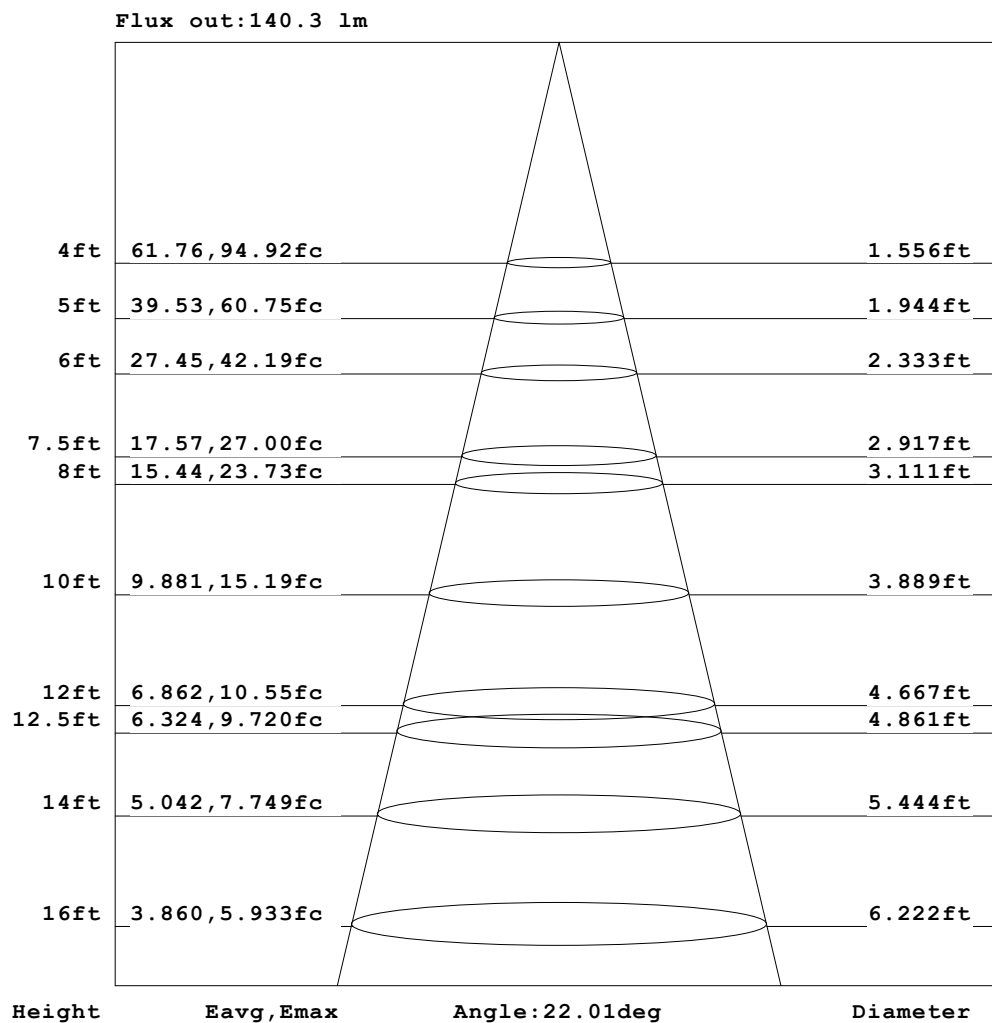
Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:



C Range: 0 - 360DEG	Range: 0 - 180DEG
C Interval: For a lens beam angle of 15°	Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Temperature:25.3℃	Humidity:65.0%
Operators:zoe	Test Distance:3.160m [K=1.0000]
Test Date:2024-1-5	Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90
	LENS:PM-1103 15R+DIFFUSER
	DRIVER:PUP10A-1WMC-700 500mA
	30minutes warm-up

AAI Figure

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90

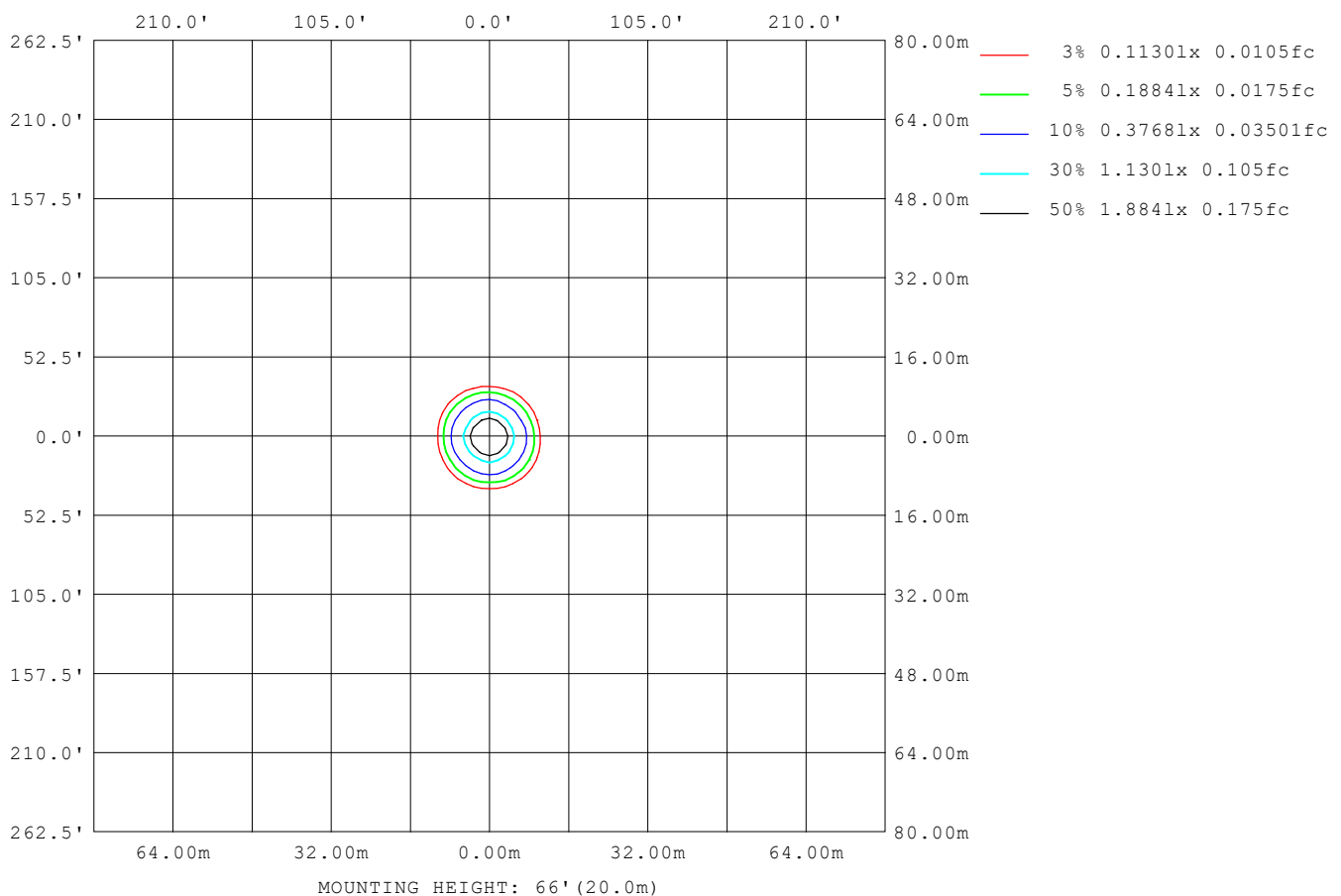
LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOLUX DIAGRAM

Test: U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:


C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3 °C

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LED Avg.L Report

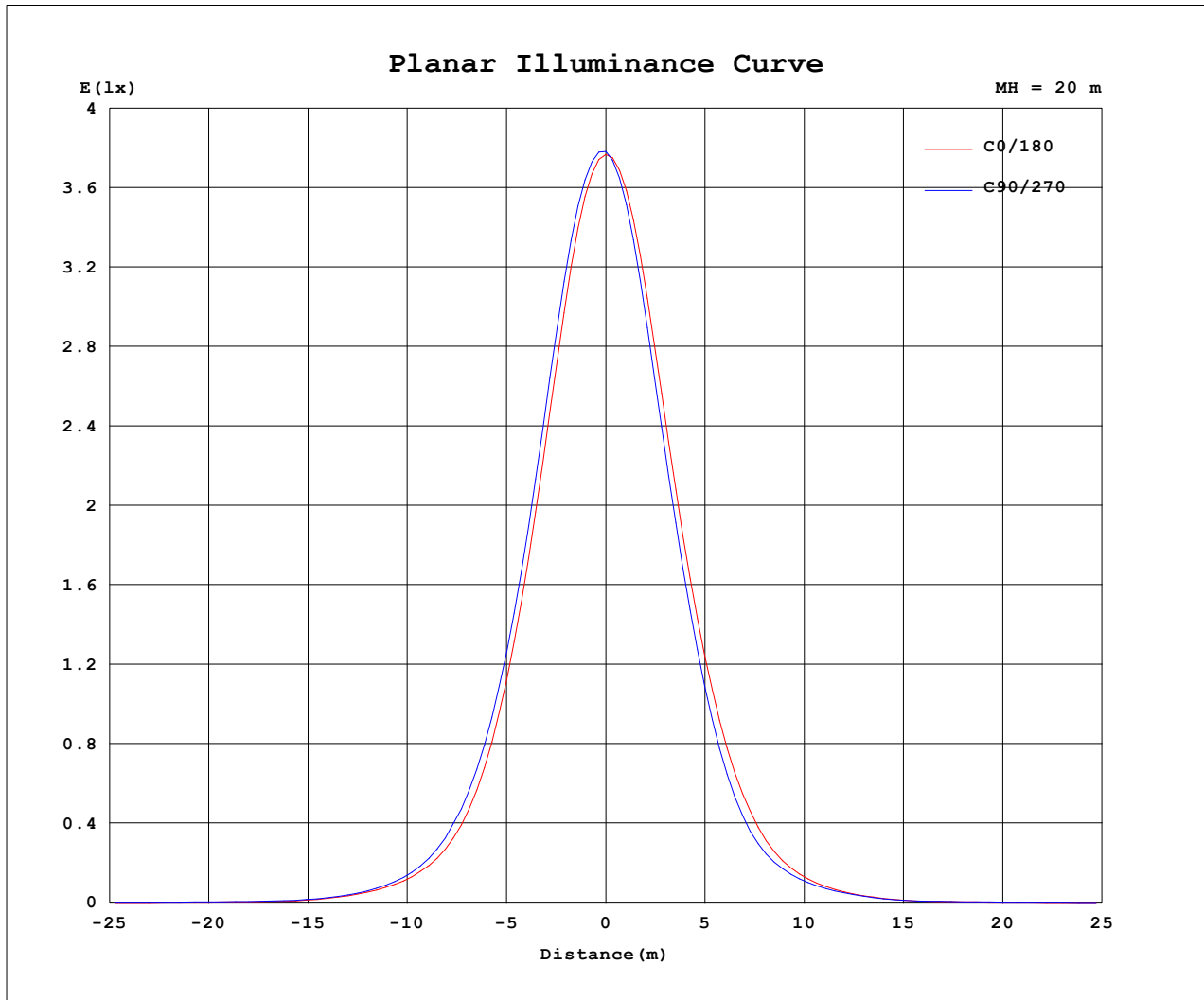
Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	957
L_0~180 (75) av	276
L_0~180 (85) av	206
L_90~270 (65) av	1095
L_90~270 (75) av	271
L_90~270 (85) av	183
L_45 (65) av	1004
L_45 (75) av	984
L_45 (85) av	177

Standard: GB/T 29293-2012

C Range: 0 - 360DEG	Range: 0 - 180DEG
C Interval: For a lens beam angle of 15°	Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Temperature:25.3℃	Humidity:65.0%
Operators:zoe	Test Distance:3.160m [K=1.0000]
Test Date:2024-1-5	Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90
	LENS:PM-1103 15R+DIFFUSER
	DRIVER:PUP10A-1WMC-700 500mA
	30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3 °C

Operators: zoe

Test Date: 2024-1-5

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: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.0945A P:11.211W PF:0.9856 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2401050013
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511	1511						
5	1298	1334	1340	1348	1340	1329	1321	1297	1288	1264	1263	1274						
10	826	862	877	893	870	868	874	827	811	800	771	777						
15	427	435	448	484	442	452	478	413	409	410	369	373						
20	189	206	211	227	208	211	223	198	187	174	162	165						
25	85.0	102	106	99.5	104	99.2	94.1	101	89.0	76.3	79.5	82.0						
30	39.3	48.7	50.1	44.6	50.0	46.9	40.9	47.0	42.7	36.5	39.4	40.1						
35	15.8	20.8	20.4	18.4	20.6	19.5	15.3	18.8	18.3	14.0	16.6	17.1						
40	5.60	7.70	7.59	7.27	7.70	6.60	5.25	6.28	6.14	5.62	5.94	5.88						
45	3.21	3.66	4.12	4.47	3.71	3.06	2.83	2.77	3.20	3.22	2.99	2.91						
50	1.92	2.44	2.76	2.84	2.45	1.92	1.57	1.72	2.02	1.97	1.93	1.93						
55	1.31	1.56	1.78	1.72	1.51	1.14	0.90	1.06	1.28	1.37	1.29	1.30						
60	0.94	1.02	1.07	1.11	0.92	0.69	0.63	0.69	0.88	1.01	0.93	0.92						
65	0.76	0.78	0.79	0.80	0.72	0.62	0.60	0.60	0.72	0.75	0.74	0.74						
70	0.56	0.58	0.57	0.60	0.61	0.66	0.83	0.60	0.60	0.60	0.55	0.55						
75	0.14	0.34	0.35	0.12	0.42	0.52	0.10	0.48	0.39	0.12	0.33	0.33						
80	0.08	0.08	0.07	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.07	0.07						
85	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03						
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: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3℃

Operators:zoe

Test Date:2024-1-5

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:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up