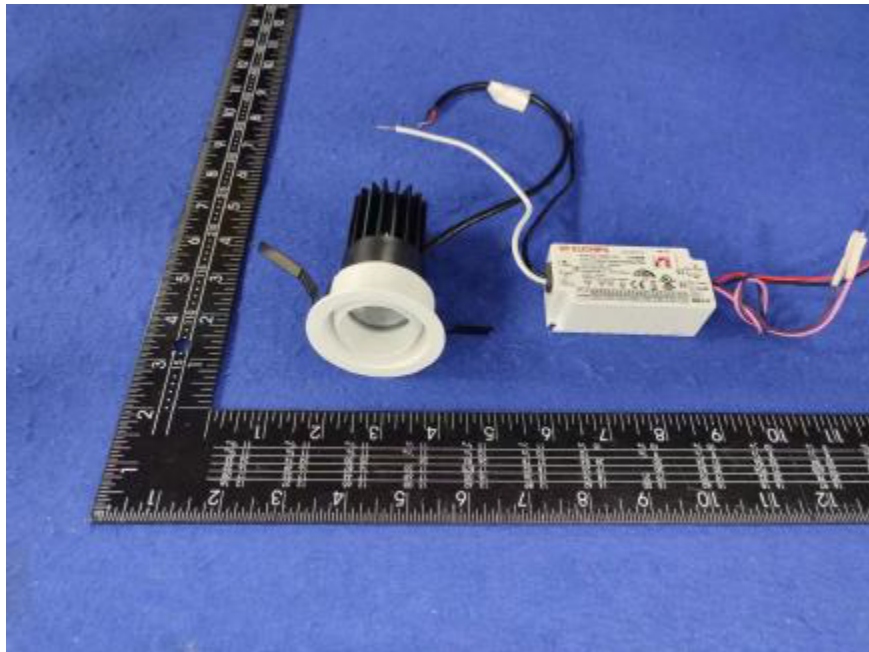


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	59.6%	
Luminaire Power:	11.28 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: 77.54 °F  
Operators: zoe  
Test Date: 2023-12-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 124.409" [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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

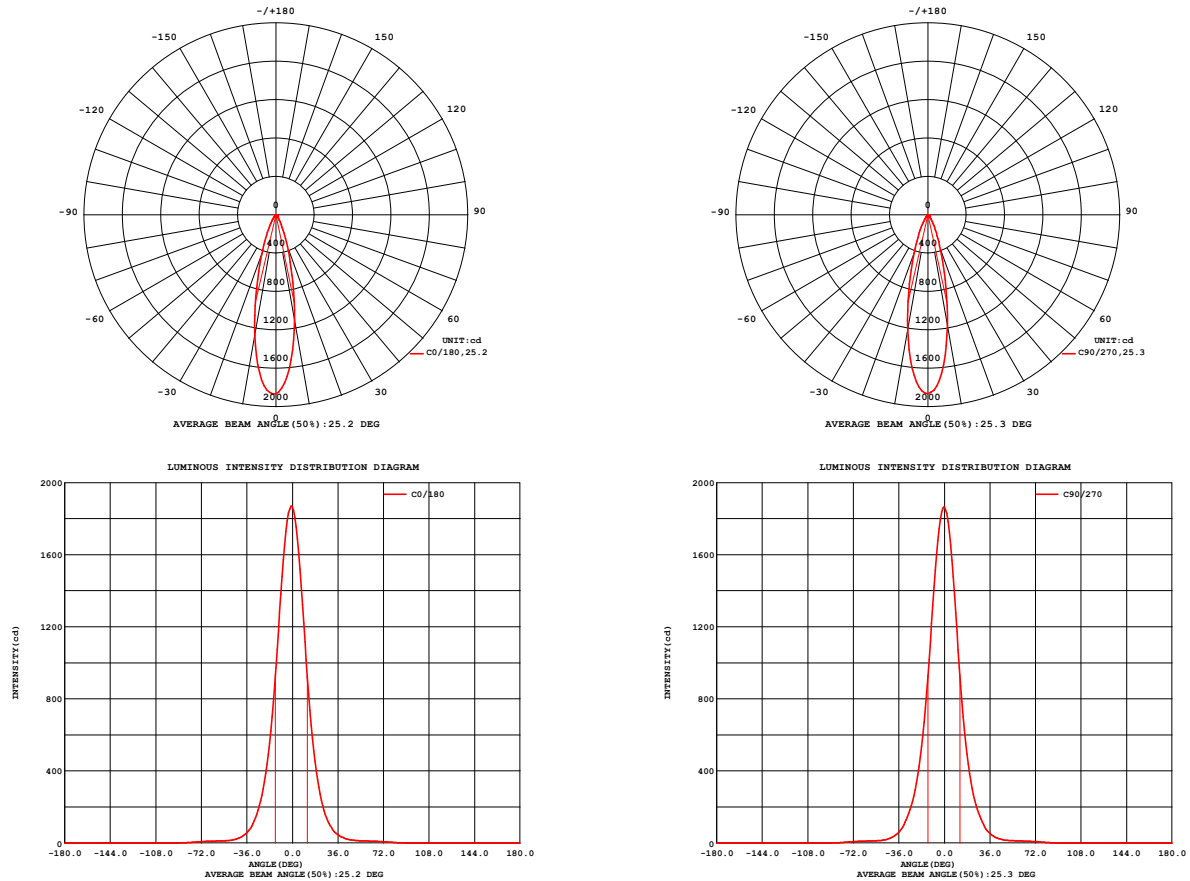


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG  
C Interval: For a lens beam angle of 15°  
Test Speed: HIGH  
Temperature: 77.54 °F  
Operators: zoe  
Test Date: 2023-12-27

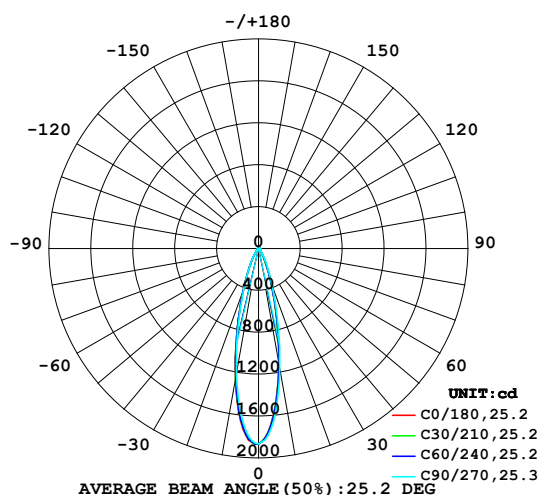
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 124.409" [K=1.0000]  
Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90  
LENS: PM-1103 15R+DIFFUSER  
DRIVER: PUP10A-1WMC-700 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

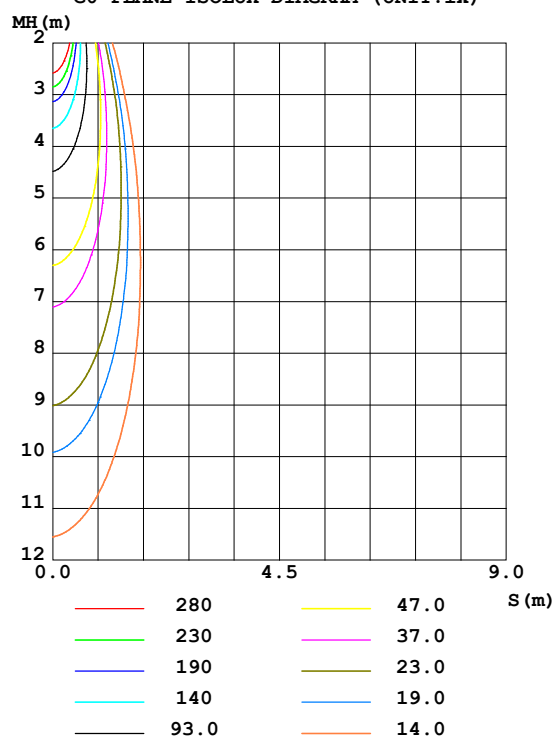
Test:U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m <sup>2</sup>	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 46.99 lm/W			
MODEL	Bridgelux	I <sub>max</sub> (cd)	1870	S/MH (C0/180)	0.45
NOMINAL POWER (W)	11	LOR (%)	59.6	S/MH (C90/270)	0.44
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	529.96	☒ UP, DN (C0-180)	0.0, 28.9
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 30.7
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	120	☒ down (%)	59.6	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 124.409" [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

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	zone	total	%lum,lamp
10	1116	1128	1173	1230	1280	1267	1219	1162	0- 10	143.6	143.6	27.1,16.1
20	352.7	358.7	388.5	415.8	436.1	435.6	422.6	385.1	10- 20	199.9	343.5	64.8,38.6
30	94.63	98.83	116.3	123.0	123.0	127.0	129.6	111.3	20- 30	102.0	445.5	84.1,50.1
40	30.21	30.77	33.67	35.21	35.43	36.29	36.73	33.25	30- 40	40.17	485.7	91.6,54.6
50	13.64	13.99	14.30	14.09	13.80	13.91	14.09	13.89	40- 50	16.41	502.1	94.7,56.5
60	10.72	11.04	11.33	11.08	10.68	10.79	10.93	10.81	50- 60	10.90	513.0	96.8,57.7
70	7.852	8.126	8.436	8.390	8.184	8.190	8.231	8.005	60- 70	9.630	522.6	98.6,58.8
80	3.056	3.217	3.438	3.442	3.439	3.331	3.250	3.130	70- 80	6.165	528.8	99.8,59.5
90	0	0	0	0	0	0	0	0	80- 90	1.178	530.0	100,59.6
100	0	0	0	0	0	0	0	0	90-100	0	530.0	100,59.6
110	0	0	0	0	0	0	0	0	100-110	0	530.0	100,59.6
120	0	0	0	0	0	0	0	0	110-120	0	530.0	100,59.6
130	0	0	0	0	0	0	0	0	120-130	0	530.0	100,59.6
140	0	0	0	0	0	0	0	0	130-140	0	530.0	100,59.6
150	0	0	0	0	0	0	0	0	140-150	0	530.0	100,59.6
160	0	0	0	0	0	0	0	0	150-160	0	530.0	100,59.6
170	0	0	0	0	0	0	0	0	160-170	0	530.0	100,59.6
180	0	0	0	0	0	0	0	0	170-180	0	530.0	100,59.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 15°

Test Speed: HIGH

Temperature:77.54 °F

Operators:zoe

Test Date:2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:124.409" [K=1.0000]

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

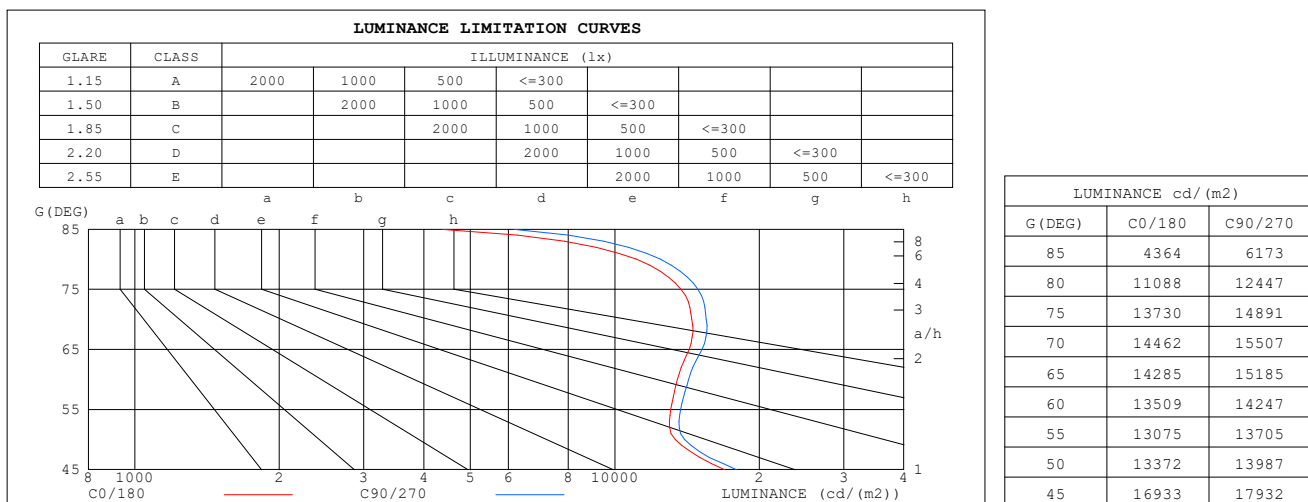
LENS:PM-1103 15R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



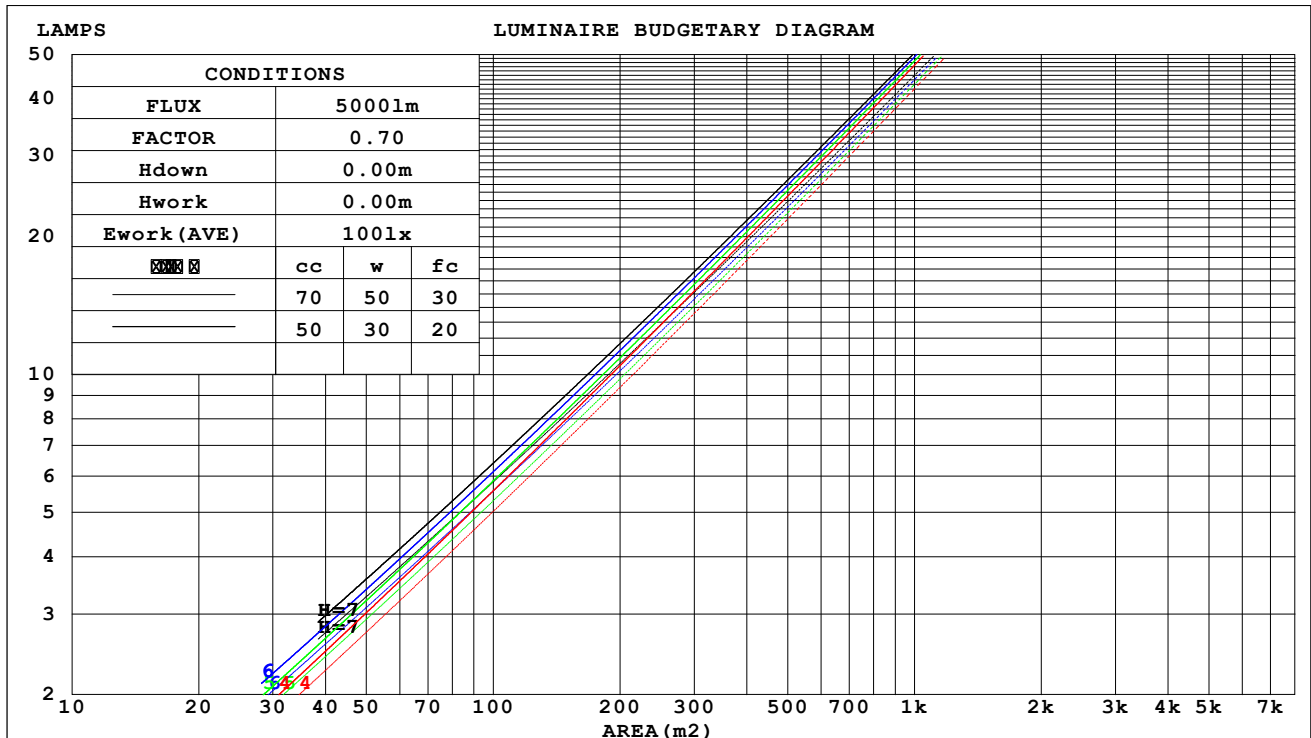
C Range: 0 - 360DEG  
 C Interval: For a lens beam angle of 15°  
 Test Speed: HIGH  
 Temperature: 77.54 °F  
 Operators: zoe  
 Test Date: 2023-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 124.409" [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:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 124.409" [K=1.0000]

Remarks: LAMP: BXR-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:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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	.098	.056	.018	.094	.054	.017	.087	.050	.016	.080	.046	.015	.074	.043	.014	
2.0	.092	.050	.015	.089	.049	.015	.082	.046	.014	.077	.043	.013	.071	.040	.013	
3.0	.086	.046	.014	.083	.044	.013	.078	.042	.013	.073	.040	.012	.068	.038	.012	
4.0	.080	.042	.012	.078	.041	.012	.073	.039	.012	.069	.037	.011	.065	.036	.011	
5.0	.075	.038	.011	.073	.038	.011	.070	.036	.011	.066	.035	.010	.063	.033	.010	
6.0	.071	.036	.010	.069	.035	.010	.066	.034	.010	.063	.033	.010	.060	.032	.009	
7.0	.067	.033	.009	.066	.033	.009	.063	.032	.009	.060	.031	.009	.058	.030	.009	
8.0	.064	.031	.009	.063	.031	.009	.060	.030	.009	.058	.029	.008	.055	.028	.008	
9.0	.061	.029	.008	.060	.029	.008	.057	.028	.008	.055	.028	.008	.053	.027	.008	
10.0	.058	.028	.008	.057	.028	.008	.055	.027	.008	.053	.026	.008	.051	.026	.007	

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	.114	.114	.114	.097	.097	.097	.066	.066	.066	.038	.038	.038	.012	.012	.012	
1.0	.101	.094	.087	.087	.081	.075	.059	.055	.052	.034	.032	.030	.011	.010	.010	
2.0	.092	.079	.068	.079	.068	.059	.054	.047	.041	.031	.027	.024	.010	.009	.008	
3.0	.084	.068	.055	.072	.058	.048	.049	.041	.033	.028	.024	.020	.009	.008	.006	
4.0	.077	.059	.045	.066	.051	.039	.045	.035	.027	.026	.021	.016	.008	.007	.005	
5.0	.071	.052	.037	.061	.045	.032	.042	.031	.023	.024	.018	.014	.008	.006	.004	
6.0	.066	.046	.031	.057	.040	.027	.039	.028	.019	.023	.016	.012	.007	.005	.004	
7.0	.061	.041	.027	.053	.036	.023	.036	.025	.017	.021	.015	.010	.007	.005	.003	
8.0	.058	.037	.023	.050	.032	.020	.034	.023	.014	.020	.013	.008	.006	.004	.003	
9.0	.054	.034	.020	.047	.029	.017	.032	.021	.012	.019	.012	.007	.006	.004	.002	
10.0	.051	.031	.018	.044	.027	.015	.031	.019	.011	.018	.011	.007	.006	.004	.002	

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 15°

Test Speed: HIGH

Temperature:77.54°F

Operators:zoe

Test Date:2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:124.409" [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:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312271378			
MFR.: MERCURY LIGHTING					SUR.: 0.001589625m2			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	16.6	17.4	16.9	17.6	17.7	17.0	17.8	17.2	18.0	18.1
	3H	18.2	18.9	18.4	19.1	19.3	18.5	19.3	18.8	19.5	19.7
	4H	18.9	19.6	19.1	19.8	20.0	19.2	19.9	19.5	20.2	20.4
	6H	19.3	20.0	19.6	20.2	20.4	19.7	20.4	20.0	20.6	20.8
	8H	19.4	20.0	19.7	20.3	20.5	19.8	20.5	20.1	20.7	21.0
	12H	19.4	20.0	19.7	20.3	20.5	19.8	20.4	20.1	20.7	21.0
4H	2H	17.2	17.9	17.5	18.2	18.4	17.5	18.2	17.8	18.4	18.7
	3H	19.0	19.6	19.3	19.9	20.2	19.3	19.9	19.6	20.2	20.5
	4H	19.8	20.4	20.2	20.7	21.0	20.1	20.7	20.5	21.0	21.3
	6H	20.3	20.9	20.7	21.2	21.5	20.7	21.2	21.1	21.5	21.9
	8H	20.5	20.9	20.8	21.3	21.6	20.8	21.3	21.2	21.7	22.0
	12H	20.5	20.9	20.9	21.3	21.7	20.9	21.3	21.3	21.7	22.0
8H	4H	20.1	20.6	20.5	20.9	21.3	20.4	20.9	20.8	21.2	21.6
	6H	20.7	21.1	21.2	21.5	21.9	21.1	21.4	21.5	21.8	22.3
	8H	20.9	21.2	21.3	21.7	22.1	21.2	21.6	21.7	22.0	22.4
	12H	20.9	21.2	21.4	21.7	22.1	21.3	21.6	21.8	22.0	22.5
12H	4H	20.1	20.5	20.5	20.9	21.3	20.4	20.8	20.8	21.2	21.6
	6H	20.8	21.1	21.2	21.5	22.0	21.1	21.4	21.5	21.8	22.3
	8H	20.9	21.2	21.4	21.7	22.2	21.3	21.6	21.7	22.0	22.5
Variations with the observer position at spacings(CIE Pub.117) :											
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					
1.5H	+ 0.6 / - 0.4					+ 0.8 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)  
 Area: 0.00158963 m2

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 15°

Test Speed: HIGH

Temperature:77.54 °F

Operators:zoe

Test Date:2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:124.409" [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:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

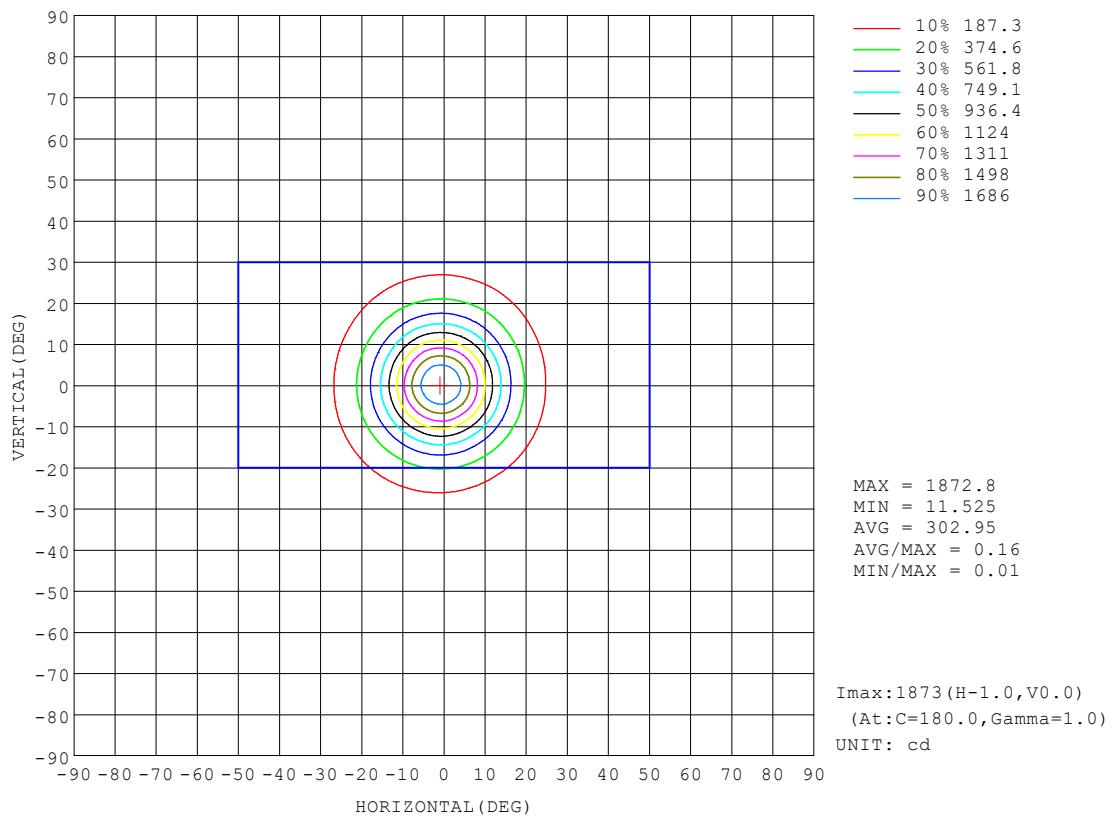
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	48	45	51	48	45	51	47	45	43
0.80	56	52	50	56	52	50	55	52	50	47
1.00	59	55	53	58	55	53	57	55	52	50
1.25	61	58	55	60	57	55	59	57	55	52
1.50	63	60	57	62	59	57	60	58	57	54
2.00	64	62	60	63	61	59	62	60	58	55
2.50	65	63	61	64	62	60	62	61	59	56
3.00	66	64	62	65	63	62	63	62	60	57
4.00	68	66	64	66	65	64	64	63	62	58
5.00	68	67	66	67	66	65	65	64	63	58
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: 77.54 °F  
 Operators: zoe  
 Test Date: 2023-12-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 124.409" [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

## ISOCANDELA DIAGRAM

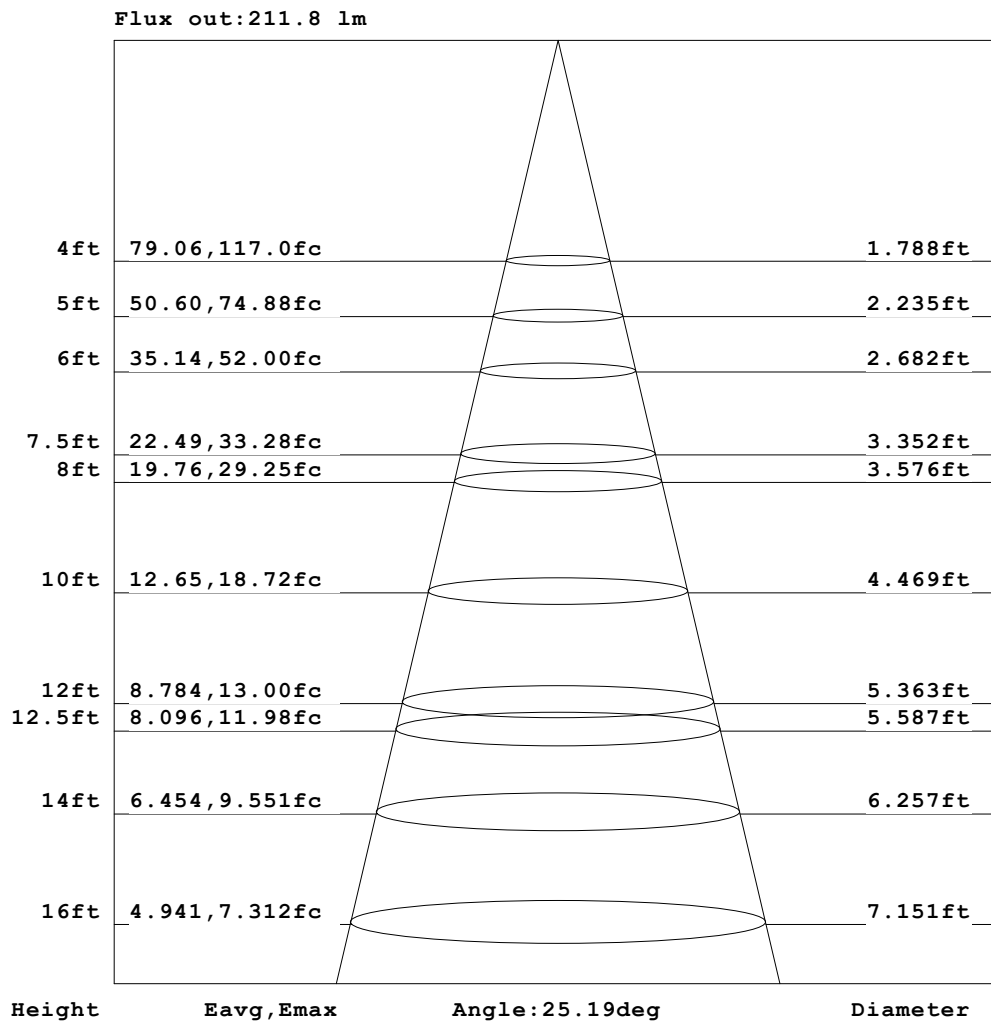
Test:U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 15°	γ Interval: 1.0DEG
Test Speed: HIGH	Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Temperature: 77.54 °F	Humidity: 65.0%
Operators: zoe	Test Distance: 124.409" [K=1.0000]
Test Date: 2023-12-27	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:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

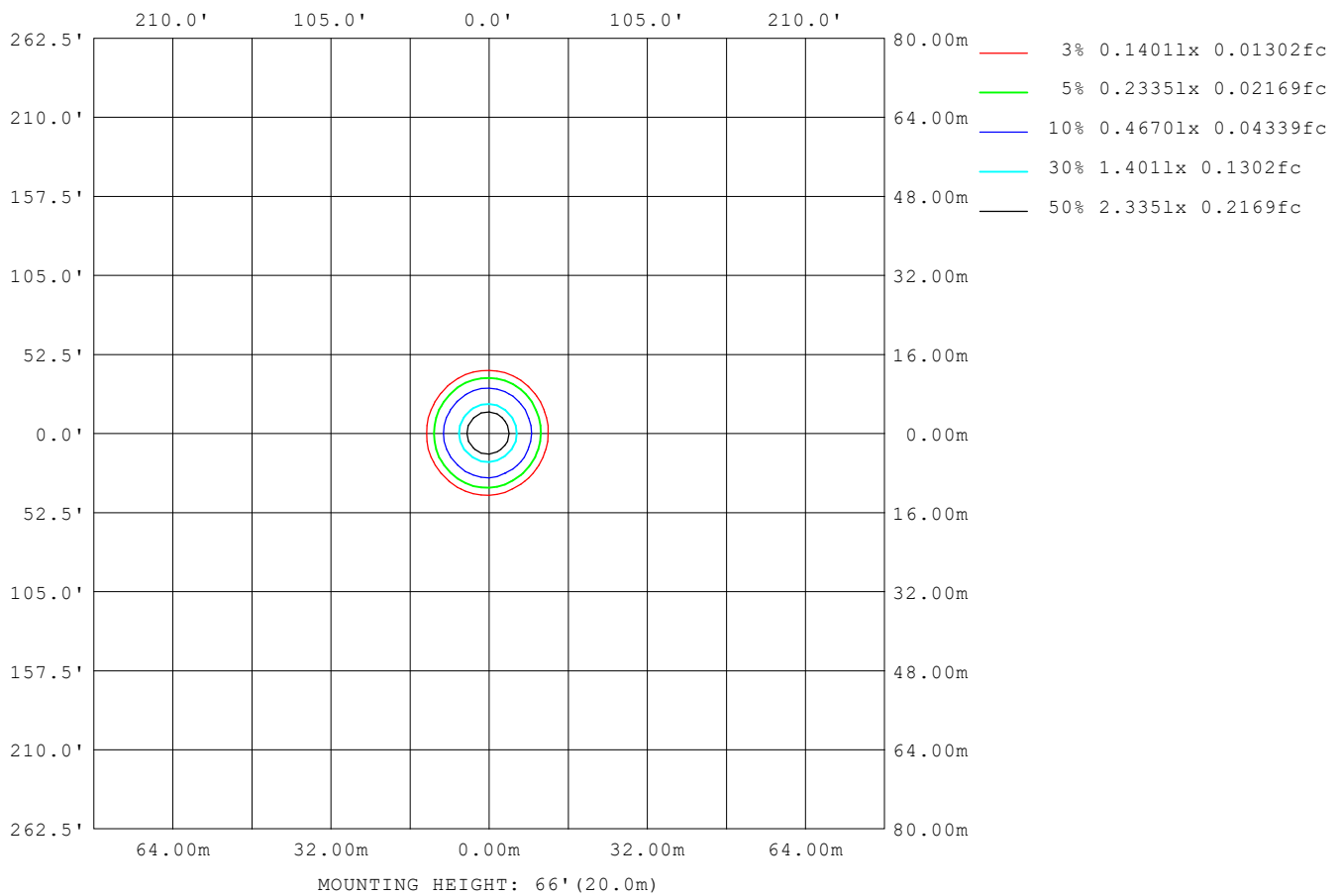


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 15°	γ Interval: 1.0DEG
Test Speed: HIGH	Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Temperature: 77.54 °F	Humidity: 65.0%
Operators: zoe	Test Distance: 124.409" [K=1.0000]
Test Date: 2023-12-27	Remarks: LAMP: BXR-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103 15R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

**ISOLUX DIAGRAM**

<b>Test:</b> U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz <b>Lamp Flux:</b> 889.25x1 lm		
<b>NAME:</b> CTL-MM-1.5-DM-15-RD-AD-OPL-SG	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b> 3000K	<b>DIM.:</b>	<b>SERIAL No.:</b> 2312271378
<b>MFR.:</b> MERCURY LIGHTING	<b>SUR.:</b> 0.001589625m2	<b>Shielding Angle:</b>



**C Range:** 0 - 360DEG  
**C Interval:** For a lens beam angle of 15°  
**Test Speed:** HIGH  
**Temperature:** 77.54 °F  
**Operators:** zoe  
**Test Date:** 2023-12-27

**γ Range:** 0 - 180DEG  
**γ Interval:** 1.0DEG  
**Test System:** EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
**Humidity:** 65.0%  
**Test Distance:** 124.409" [K=1.0000]  
**Remarks:** LAMP: BXR-DR-1830G-100Z-A-23 Ra:90  
 LENS: PM-1103 15R+DIFFUSER  
 DRIVER: PUP10A-1WMC-700 500mA  
 30minutes warm-up

**LED Avg.L Report**

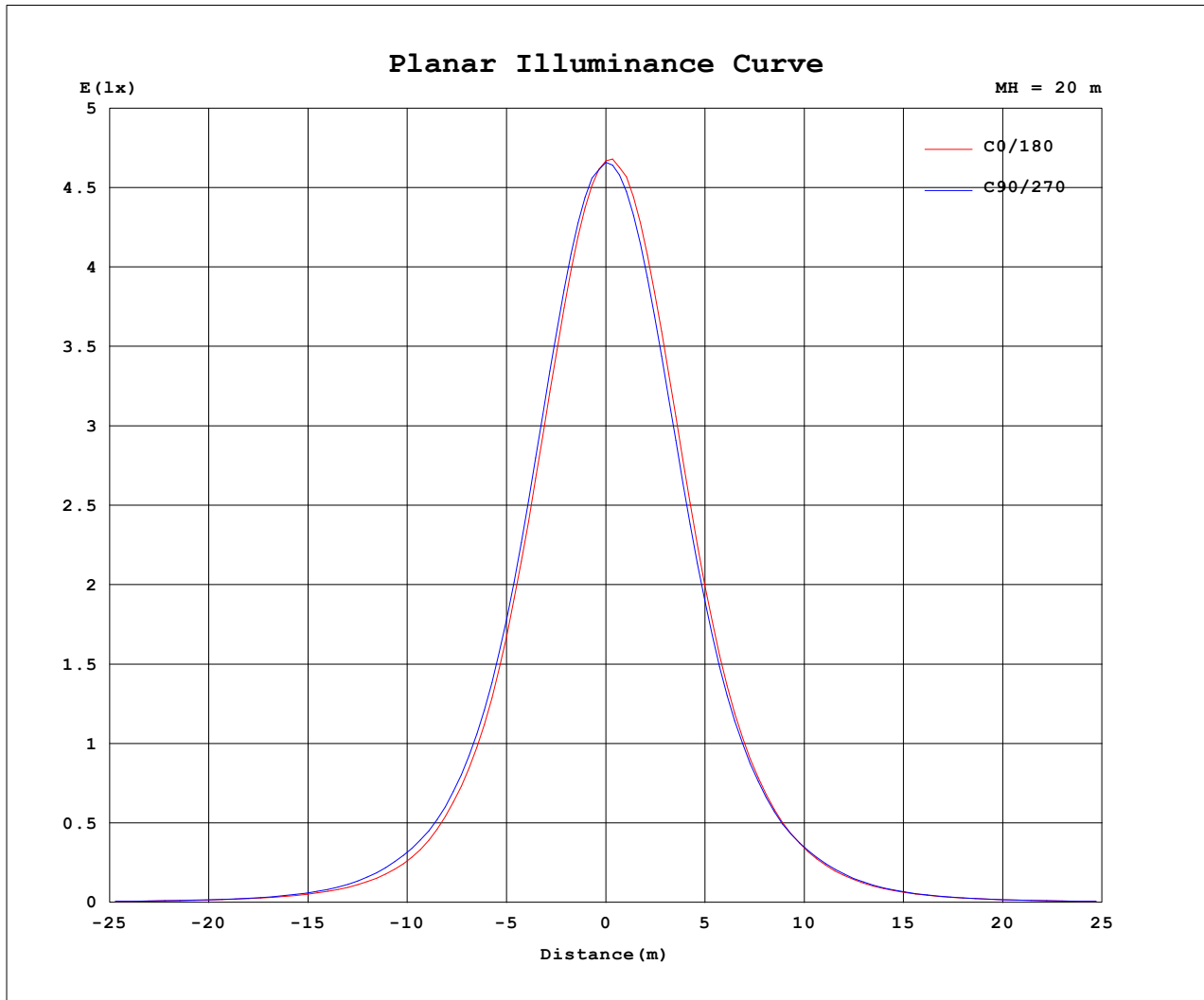
Test:U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	14306
L_0~180 (75) av	14126
L_0~180 (85) av	5691
L_90~270 (65) av	14905
L_90~270 (75) av	14610
L_90~270 (85) av	5767
L_45 (65) av	14614
L_45 (75) av	14354
L_45 (85) av	5369

Standard: GB/T 29293-2012

C Range: 0 - 360DEG C Interval: For a lens beam angle of 15° Test Speed: HIGH Temperature: 77.54 °F Operators: zoe Test Date: 2023-12-27	γ Range: 0 - 180DEG γ Interval: 1.0DEG Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461 Humidity: 65.0% Test Distance: 124.409" [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
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Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: For a lens beam angle of 15°  
Test Speed: HIGH  
Temperature: 77.54 °F  
Operators: zoe  
Test Date: 2023-12-27

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 124.409" [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

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.26V I:0.0949A P:11.278W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865						
5	1608	1617	1621	1653	1677	1709	1728	1716	1714	1679	1656	1625						
10	1116	1125	1131	1173	1209	1251	1280	1269	1265	1219	1183	1141						
15	653	657	664	700	731	762	785	780	780	748	716	677						
20	353	355	362	388	408	424	436	434	438	423	400	370						
25	180	183	191	213	223	230	233	232	237	232	218	193						
30	94.6	95.6	102	116	123	123	123	124	130	130	119	103						
35	51.8	51.9	54.4	60.5	64.1	64.5	64.7	65.1	68.2	68.0	62.8	55.6						
40	30.2	30.2	31.3	33.7	35.1	35.3	35.4	35.6	37.0	36.7	34.7	31.8						
45	19.0	19.2	19.5	20.2	20.5	20.7	20.7	20.7	21.2	20.9	20.4	19.6						
50	13.6	13.9	14.1	14.3	14.2	14.0	13.8	13.7	14.1	14.1	14.0	13.8						
55	11.9	12.1	12.4	12.5	12.4	12.0	11.8	11.8	12.0	12.1	12.1	11.9						
60	10.7	10.9	11.2	11.3	11.2	10.9	10.7	10.7	10.9	10.9	10.9	10.8						
65	9.58	9.77	10.0	10.2	10.1	9.86	9.64	9.62	9.79	9.82	9.73	9.62						
70	7.85	8.02	8.24	8.44	8.45	8.33	8.18	8.13	8.25	8.23	8.09	7.92						
75	5.64	5.77	5.94	6.13	6.15	6.07	5.98	5.89	5.95	5.89	5.79	5.68						
80	3.06	3.16	3.27	3.44	3.41	3.48	3.44	3.33	3.33	3.25	3.17	3.09						
85	0.60	0.66	0.72	0.86	0.64	0.97	0.97	0.88	0.84	0.74	0.67	0.62						
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: 77.54 °F

Operators: zoe

Test Date: 2023-12-27

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 124.409" [K=1.0000]

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

LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up