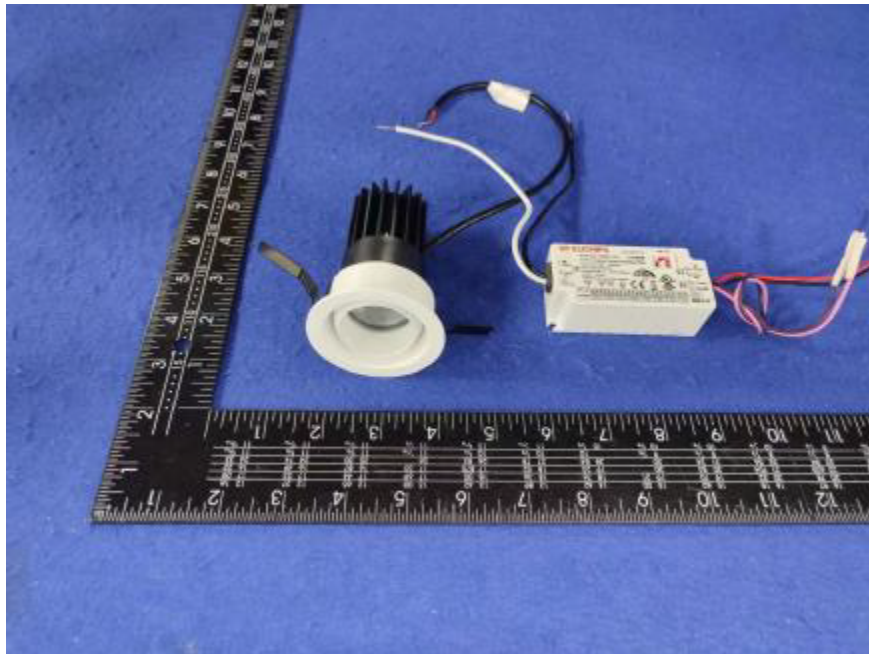


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	55.3%	
Luminaire Power:	11.3 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.75	fine grid method.

C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
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-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

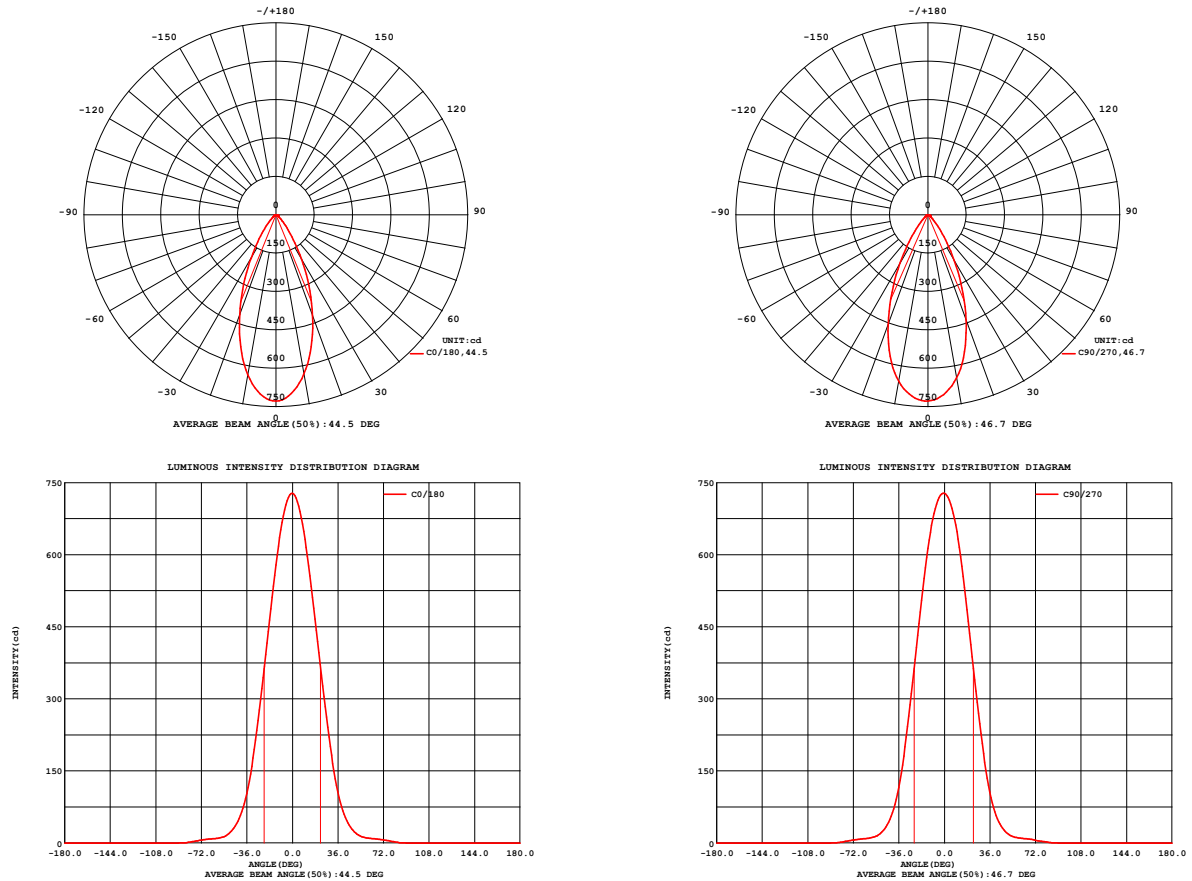


Fig. C0/C180

Fig. C90/C270

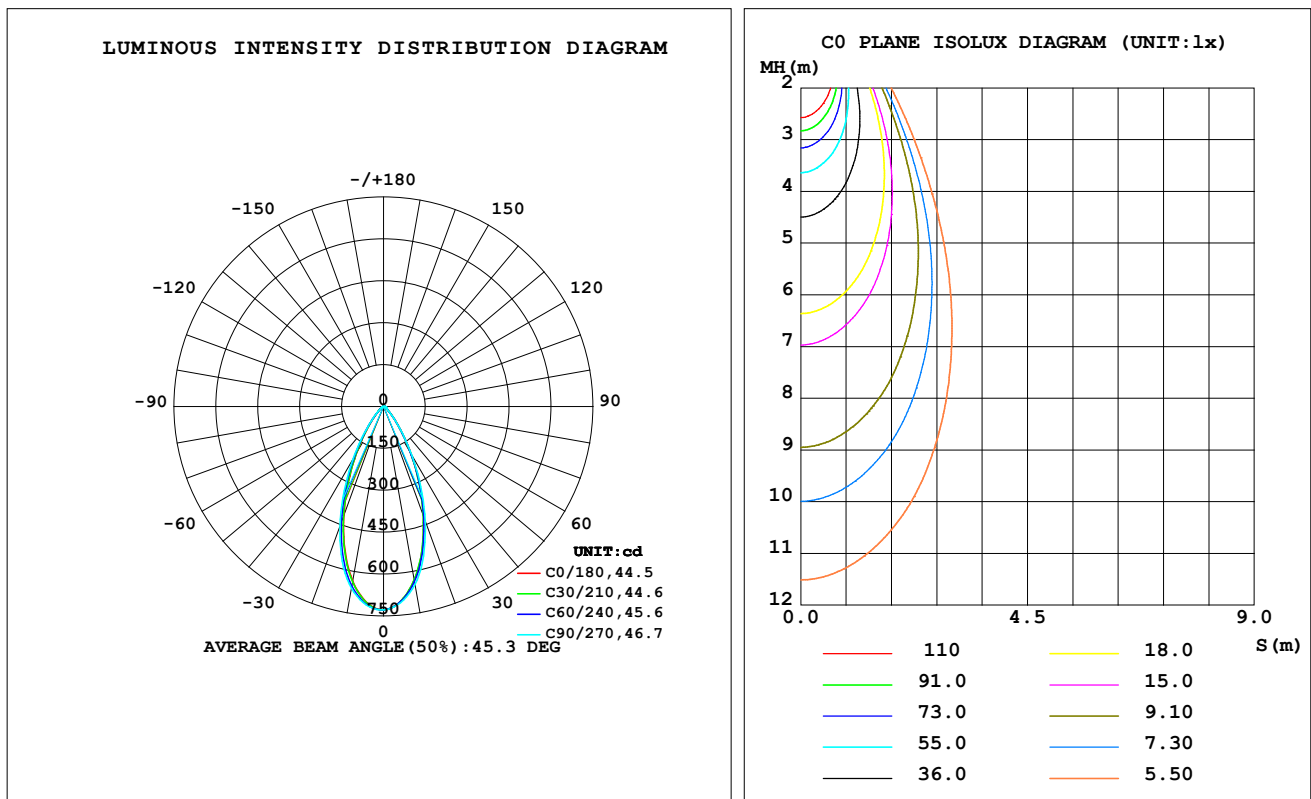
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54°F
Operators: zoe
Test Date: 2023-12-27

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-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m ²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 43.55 lm/W
MODEL	Bridgelux	I _{max} (cd)	728.0	S/MH (C0/180)	0.70	
NOMINAL POWER (W)	11	LOR (%)	55.3	S/MH (C90/270)	0.75	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	492.06	☒ UP, DN (C0-180)	0.0, 27.3	
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 28.0	
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	120	☒ down (%)	55.3	CIBSE SHR MAX	0.75	



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

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-1103C 50R+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	632.1	633.6	647.6	645.5	635.3	645.7	660.9	649.9	0- 10	65.36	65.36	13.3,7.35
20	419.4	419.2	436.7	430.9	415.9	431.5	456.5	443.9	10- 20	151.2	216.5	44,24.4
30	201.1	198.3	206.5	202.1	194.9	204.8	220.5	213.8	20- 30	142.3	358.9	72.9,40.4
40	66.88	64.83	64.99	64.92	64.69	67.30	71.01	69.57	30- 40	77.35	436.2	88.6,49.1
50	20.68	20.01	19.62	19.48	19.70	20.03	20.75	20.84	40- 50	29.44	465.6	94.6,52.4
60	10.02	10.12	10.10	9.946	9.598	9.643	9.876	9.959	50- 60	12.03	477.7	97.1,53.7
70	7.139	7.201	7.134	6.993	6.705	6.692	6.914	7.067	60- 70	8.471	486.1	98.8,54.7
80	2.817	2.849	2.458	2.555	2.304	2.267	2.434	2.647	70- 80	5.061	491.2	99.8,55.2
90	0	0	0	0	0	0	0	0	80- 90	0.8520	492.1	100,55.3
100	0	0	0	0	0	0	0	0	90-100	0	492.1	100,55.3
110	0	0	0	0	0	0	0	0	100-110	0	492.1	100,55.3
120	0	0	0	0	0	0	0	0	110-120	0	492.1	100,55.3
130	0	0	0	0	0	0	0	0	120-130	0	492.1	100,55.3
140	0	0	0	0	0	0	0	0	130-140	0	492.1	100,55.3
150	0	0	0	0	0	0	0	0	140-150	0	492.1	100,55.3
160	0	0	0	0	0	0	0	0	150-160	0	492.1	100,55.3
170	0	0	0	0	0	0	0	0	160-170	0	492.1	100,55.3
180	0	0	0	0	0	0	0	0	170-180	0	492.1	100,55.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 60°

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

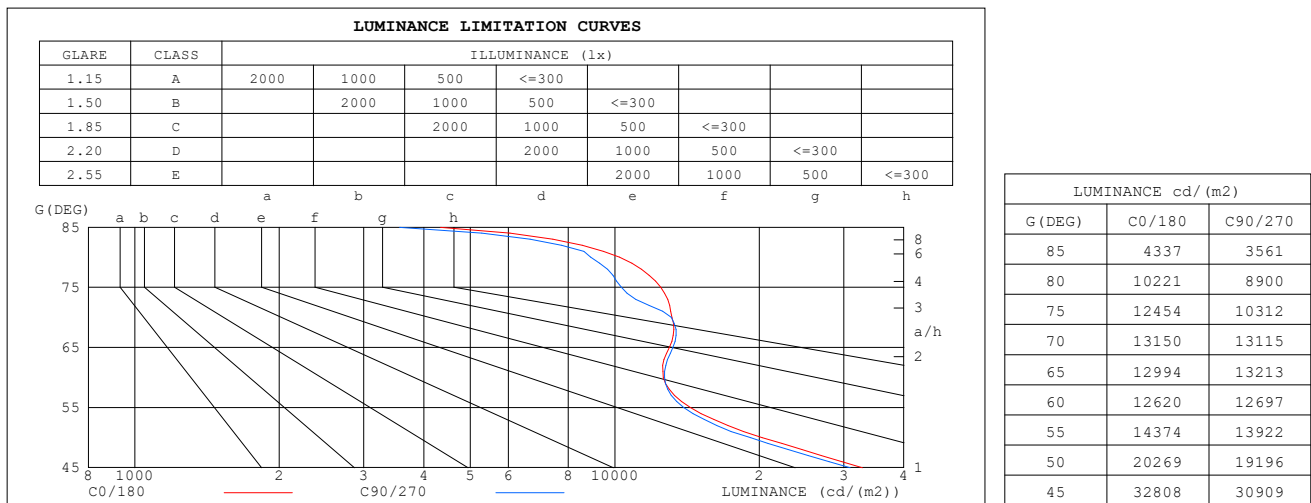
LENS:PM-1103C 50R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

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-1103C 50R+DIFFUSER

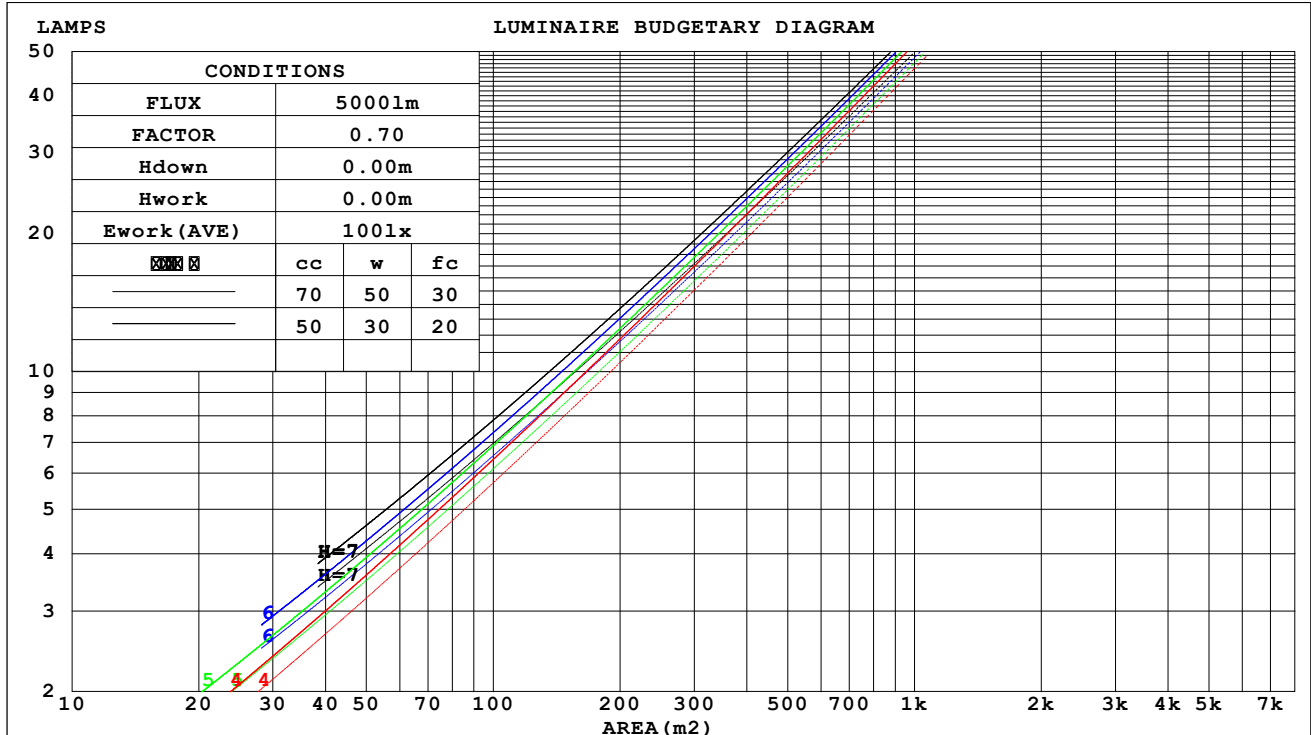
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
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 Coefficients of Utilization(CU)															
0.0	.66	.66	.66	.64	.64	.64	.61	.61	.61	.59	.59	.59	.56	.56	.56	.55
1.0	.61	.60	.58	.60	.59	.57	.58	.57	.56	.56	.55	.54	.54	.53	.52	.51
2.0	.57	.54	.53	.56	.54	.52	.54	.52	.51	.52	.51	.50	.51	.50	.49	.48
3.0	.53	.50	.48	.52	.50	.47	.51	.49	.47	.49	.48	.46	.48	.47	.45	.44
4.0	.49	.46	.44	.49	.46	.44	.48	.45	.43	.47	.44	.43	.46	.44	.42	.41
5.0	.46	.43	.41	.46	.43	.41	.45	.42	.40	.44	.42	.40	.43	.41	.40	.39
6.0	.44	.40	.38	.43	.40	.38	.42	.40	.38	.42	.39	.37	.41	.39	.37	.36
7.0	.41	.38	.36	.41	.38	.36	.40	.37	.35	.40	.37	.35	.39	.37	.35	.34
8.0	.39	.36	.34	.39	.36	.33	.38	.35	.33	.38	.35	.33	.37	.35	.33	.32
9.0	.37	.34	.32	.37	.34	.32	.36	.33	.32	.36	.33	.31	.35	.33	.31	.31
10.0	.35	.32	.30	.35	.32	.30	.35	.32	.30	.34	.32	.30	.34	.31	.30	.29



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

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-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

WEC AND CCEC

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
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	.102	.058	.018	.098	.056	.018	.091	.052	.017	.085	.049	.016	.079	.046	.015	
2.0	.097	.053	.016	.094	.052	.016	.088	.049	.015	.083	.046	.015	.078	.044	.014	
3.0	.092	.049	.015	.089	.048	.014	.084	.046	.014	.079	.044	.013	.075	.042	.013	
4.0	.087	.045	.013	.084	.044	.013	.080	.042	.013	.076	.041	.012	.072	.039	.012	
5.0	.082	.042	.012	.080	.041	.012	.076	.040	.012	.073	.038	.011	.070	.037	.011	
6.0	.078	.039	.011	.076	.039	.011	.073	.037	.011	.070	.036	.011	.067	.035	.010	
7.0	.074	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010	.064	.033	.010	
8.0	.071	.035	.010	.069	.034	.010	.067	.033	.010	.064	.033	.009	.062	.032	.009	
9.0	.068	.033	.009	.066	.032	.009	.064	.032	.009	.062	.031	.009	.060	.030	.009	
10.0	.065	.031	.009	.064	.031	.009	.061	.030	.008	.059	.030	.008	.058	.029	.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	.105	.105	.105	.090	.090	.090	.061	.061	.061	.035	.035	.035	.011	.011	.011	
1.0	.095	.087	.080	.081	.075	.069	.056	.051	.048	.032	.030	.028	.010	.010	.009	
2.0	.087	.073	.062	.074	.063	.054	.051	.044	.037	.029	.025	.022	.009	.008	.007	
3.0	.080	.063	.049	.069	.054	.043	.047	.038	.030	.027	.022	.018	.009	.007	.006	
4.0	.074	.055	.040	.064	.047	.035	.044	.033	.024	.025	.019	.014	.008	.006	.005	
5.0	.069	.048	.033	.060	.042	.029	.041	.029	.020	.024	.017	.012	.008	.006	.004	
6.0	.065	.043	.027	.056	.037	.024	.039	.026	.017	.022	.015	.010	.007	.005	.003	
7.0	.061	.039	.023	.053	.034	.020	.036	.024	.014	.021	.014	.009	.007	.005	.003	
8.0	.058	.036	.020	.050	.031	.017	.035	.022	.012	.020	.013	.007	.007	.004	.002	
9.0	.055	.033	.017	.048	.028	.015	.033	.020	.011	.019	.012	.006	.006	.004	.002	
10.0	.053	.030	.015	.045	.026	.013	.031	.018	.009	.018	.011	.006	.006	.004	.002	

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 60°

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-1103C 50R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG						TYPE:		WEIGHT:			
SPEC.: 3000K						DIM.:		SERIAL No.: 2312271381			
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	20.1	21.1	20.3	21.2	21.4	20.0	21.0	20.3	21.2	21.3
	3H	20.6	21.5	20.8	21.7	21.9	20.5	21.4	20.8	21.6	21.8
	4H	20.9	21.7	21.1	21.9	22.1	20.7	21.6	21.0	21.8	22.0
	6H	21.0	21.8	21.3	22.1	22.3	20.8	21.6	21.1	21.9	22.1
	8H	21.1	21.8	21.4	22.1	22.3	20.9	21.6	21.2	21.9	22.1
	12H	21.0	21.8	21.4	22.0	22.3	20.8	21.6	21.2	21.8	22.1
4H	2H	20.2	21.0	20.4	21.2	21.4	20.1	20.9	20.4	21.1	21.4
	3H	20.8	21.6	21.2	21.8	22.1	20.8	21.5	21.1	21.8	22.1
	4H	21.2	21.9	21.6	22.2	22.5	21.1	21.8	21.5	22.1	22.4
	6H	21.5	22.1	21.9	22.4	22.8	21.3	21.9	21.7	22.2	22.6
	8H	21.6	22.1	22.0	22.5	22.8	21.4	21.9	21.8	22.3	22.6
	12H	21.6	22.1	22.0	22.4	22.8	21.4	21.9	21.8	22.2	22.6
8H	4H	21.3	21.9	21.7	22.2	22.6	21.2	21.8	21.6	22.1	22.5
	6H	21.7	22.2	22.1	22.6	23.0	21.5	22.0	22.0	22.4	22.8
	8H	21.8	22.2	22.3	22.6	23.1	21.6	22.0	22.1	22.4	22.9
	12H	21.8	22.2	22.3	22.6	23.1	21.6	22.0	22.1	22.4	22.9
12H	4H	21.3	21.8	21.7	22.2	22.6	21.2	21.7	21.6	22.1	22.5
	6H	21.7	22.1	22.2	22.5	23.0	21.5	21.9	22.0	22.4	22.8
	8H	21.8	22.2	22.3	22.6	23.1	21.6	22.0	22.1	22.4	22.9
Variations with the observer position at spacings(CIE Pub.117) :											
S = 1.0H	+ 1.3 / - 1.5					+ 1.4 / - 1.5					
1.5H	+ 2.6 / - 1.5					+ 2.6 / - 1.4					
2.0H	+ 2.0 / - 0.8					+ 1.9 / - 0.8					

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 60° 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-1103C 50R+DIFFUSER DRIVER: PUP10A-1WMC-700 500mA 30minutes warm-up
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UTILIZATION FACTORS TABLE

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
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) $k(RI) \times RCR = 5$									
$k = 0.60$	47	43	41	46	43	41	46	43	41	38
0.80	51	47	45	51	47	45	50	47	45	43
1.00	54	50	48	53	50	48	52	50	48	45
1.25	56	53	51	55	53	51	54	52	50	48
1.50	58	55	53	57	54	52	56	54	52	49
2.00	59	57	55	59	56	54	57	55	54	51
2.50	60	58	56	59	57	56	58	56	55	51
3.00	61	59	58	60	59	57	58	57	56	52
4.00	63	61	60	61	60	59	59	58	57	53
5.00	63	62	61	62	61	60	60	59	58	54
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 60°

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

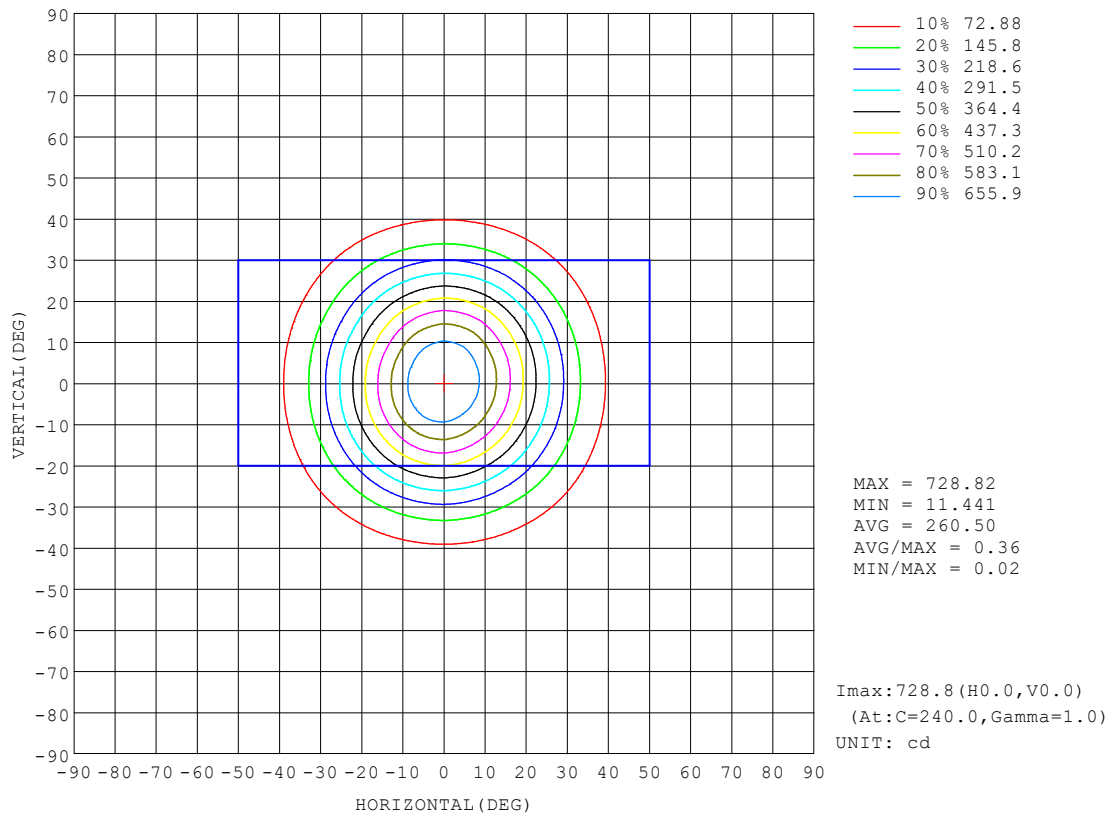
LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

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

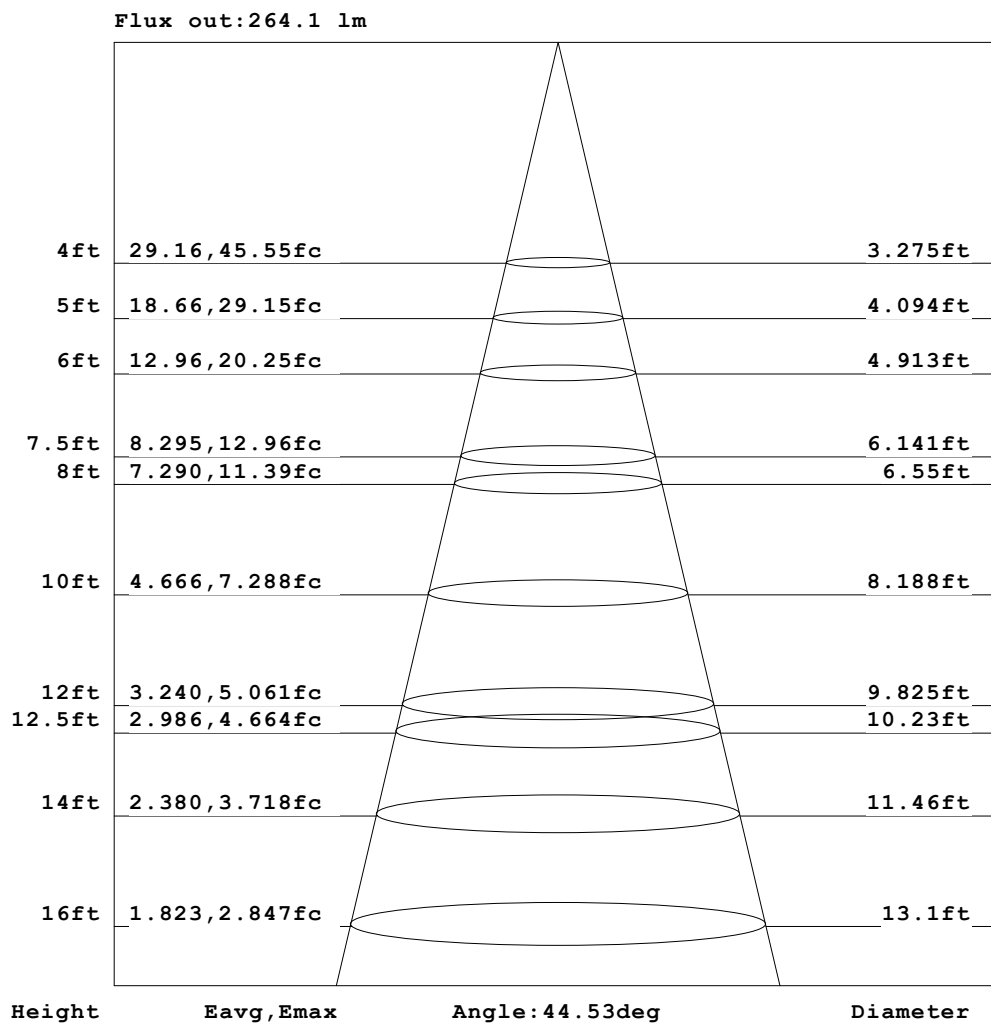
LENS: PM-1103C 50R-DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

AAI Figure

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
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

C Interval: For a lens beam angle of 60°

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

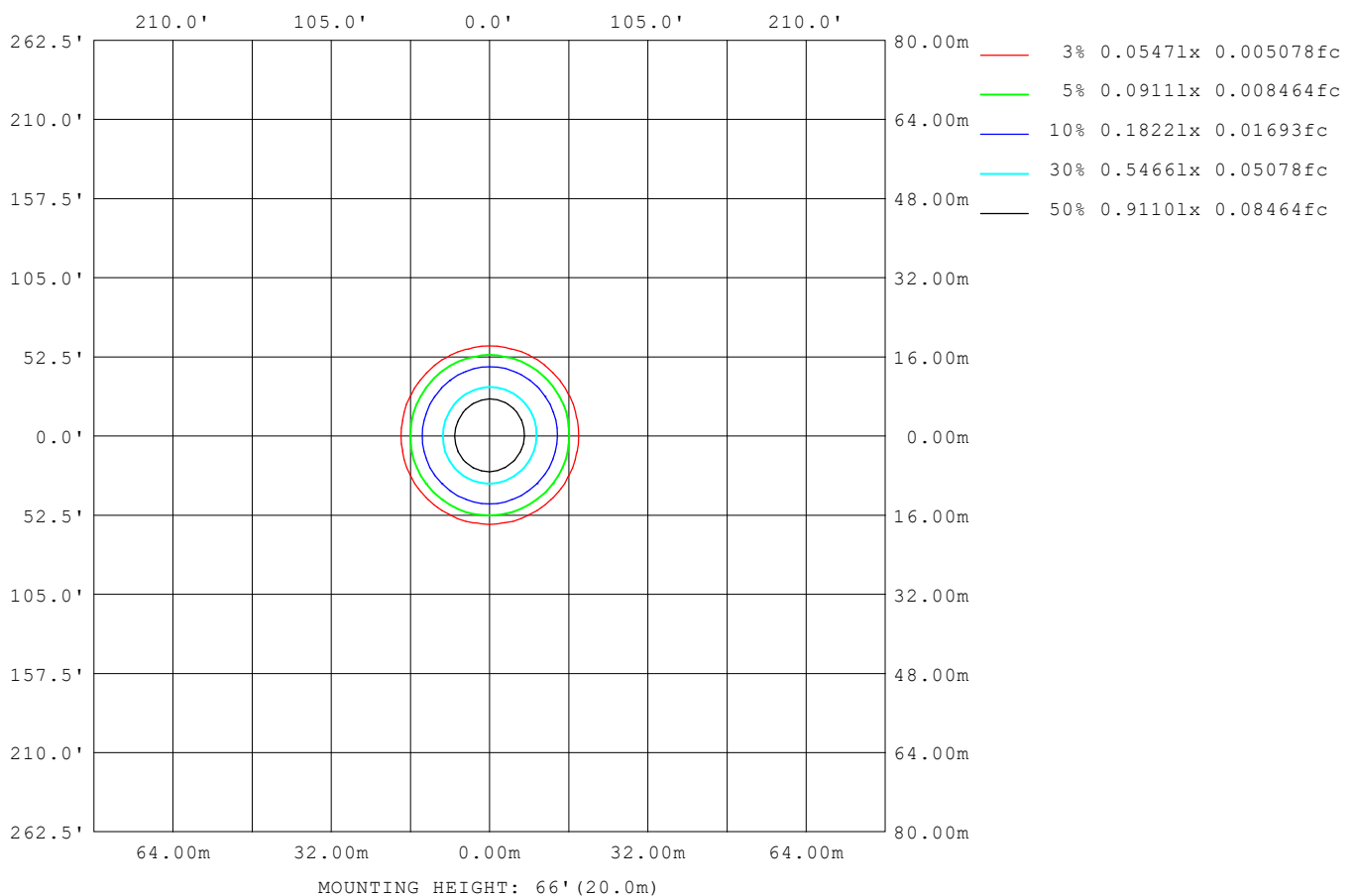
LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOLUX DIAGRAM

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:


C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
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-1103C 50R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LED Avg.L Report

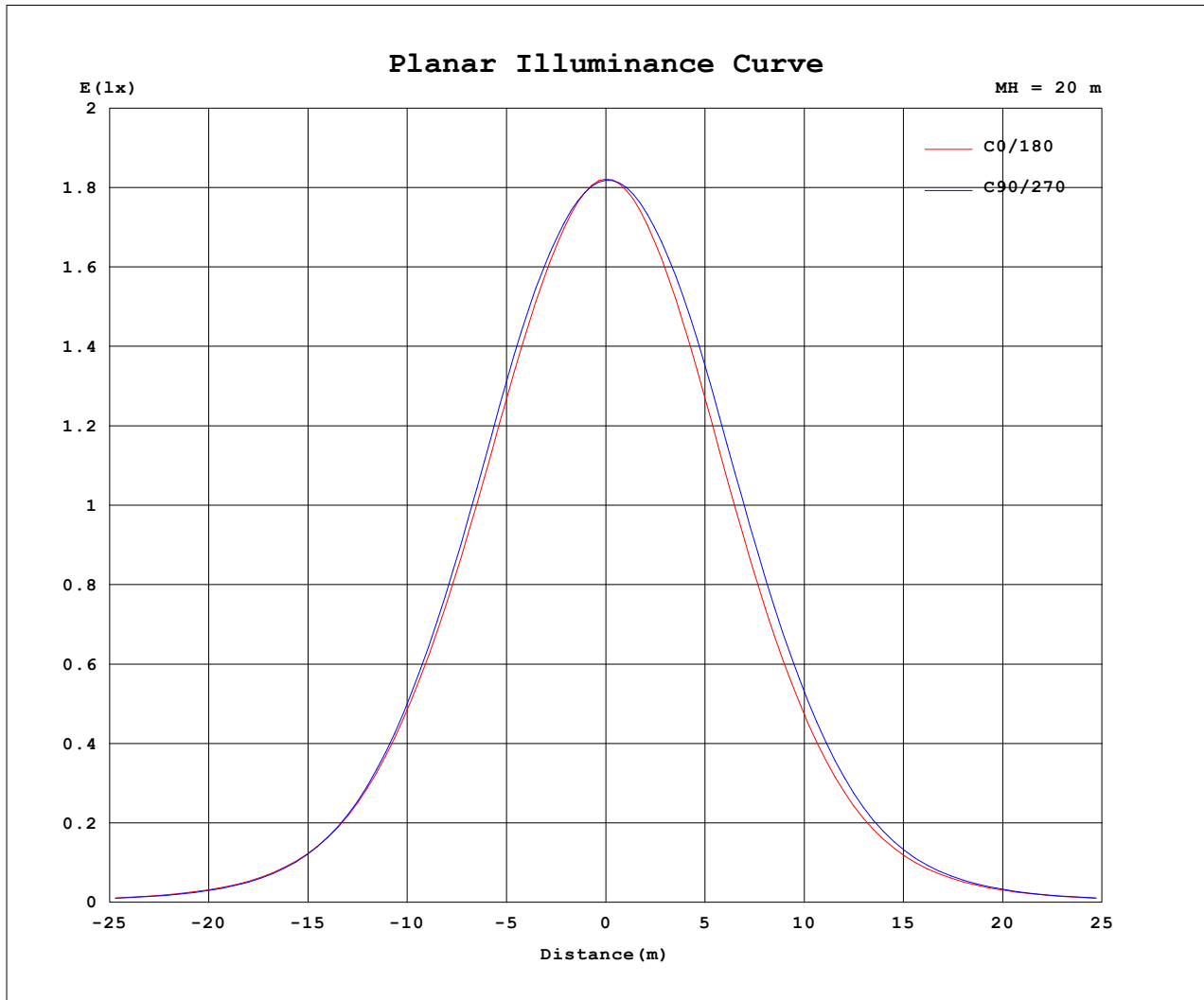
Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	12745
L_0~180 (75) av	11766
L_0~180 (85) av	3109
L_90~270 (65) av	12951
L_90~270 (75) av	10930
L_90~270 (85) av	2923
L_45 (65) av	12869
L_45 (75) av	11942
L_45 (85) av	3019

Standard: GB/T 29293-2012

C Range: 0 - 360DEG C Interval: For a lens beam angle of 60° 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-1103C 50R+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 60°

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-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.22V I:0.0951A P:11.299W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271381
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	728	728	728	728	728	728	728	728	728	728	728	728						
5	701	700	701	705	707	706	703	705	711	713	711	704						
10	632	631	637	648	649	642	635	638	653	661	657	643						
15	534	532	540	554	555	544	534	539	560	573	569	549						
20	419	416	422	437	437	425	416	421	442	456	454	434						
25	305	301	305	316	315	306	299	303	321	334	331	317						
30	201	198	198	207	205	199	195	198	212	221	219	209						
35	120	117	116	120	119	117	116	117	125	130	129	124						
40	66.9	65.5	64.1	65.0	64.9	65.0	64.7	65.4	69.2	71.0	70.6	68.6						
45	36.8	36.2	34.9	34.8	34.6	35.4	35.6	35.8	37.4	38.0	38.0	37.3						
50	20.7	20.4	19.6	19.6	19.2	19.7	19.7	19.6	20.5	20.8	20.9	20.7						
55	13.1	13.0	12.8	12.7	12.6	12.5	12.3	12.4	12.7	13.0	13.0	13.1						
60	10.0	10.1	10.1	10.1	10.0	9.86	9.60	9.56	9.72	9.88	9.95	9.97						
65	8.72	8.80	8.87	8.88	8.82	8.65	8.41	8.32	8.41	8.52	8.63	8.67						
70	7.14	7.21	7.20	7.13	7.07	6.91	6.71	6.63	6.76	6.91	7.05	7.09						
75	5.12	5.19	5.15	4.24	4.98	4.79	4.56	4.47	4.59	4.75	4.91	5.01						
80	2.82	2.88	2.82	2.46	2.63	2.48	2.30	2.21	2.32	2.43	2.59	2.70						
85	0.60	0.64	0.56	0.49	0.43	0.34	0.26	0.22	0.26	0.32	0.41	0.49						
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 60°

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

LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up