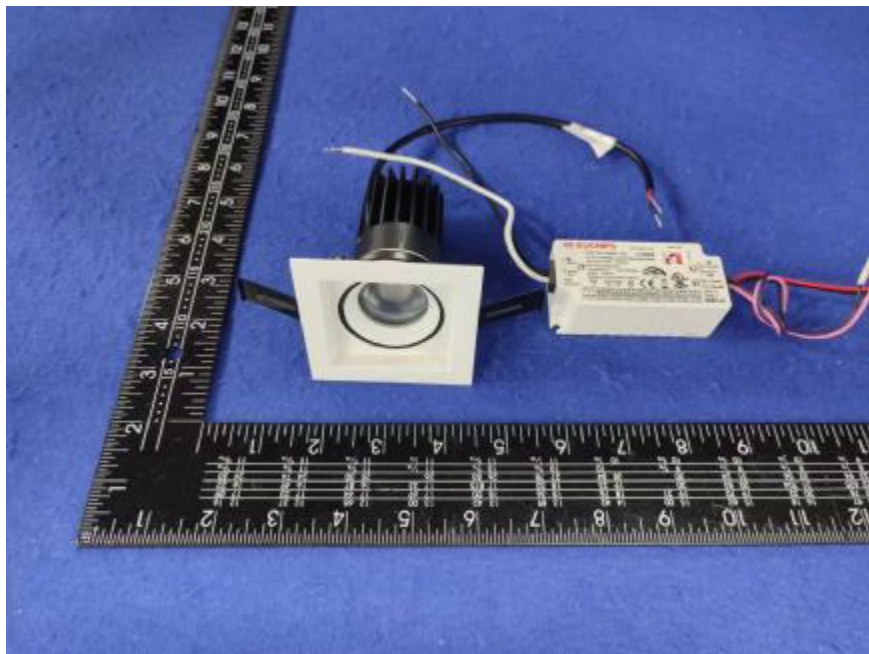


Photometric Report for each Light Engine
used in double and triple configuration
for Flanged and Flangeless Trim



Light Output Ratio:	55.1%	
Luminaire Power:	11.33 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: 2023-12-29

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

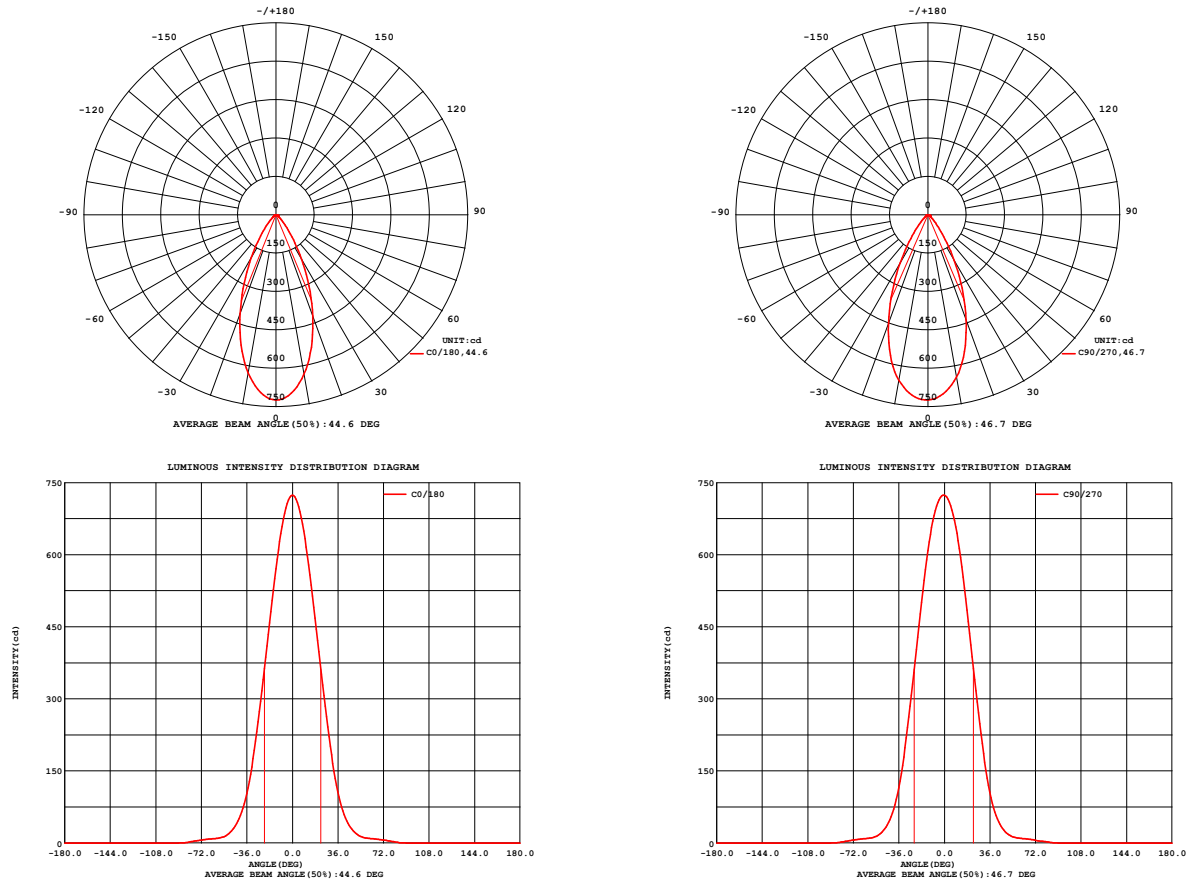


Fig. C0/C180

Fig. C90/C270

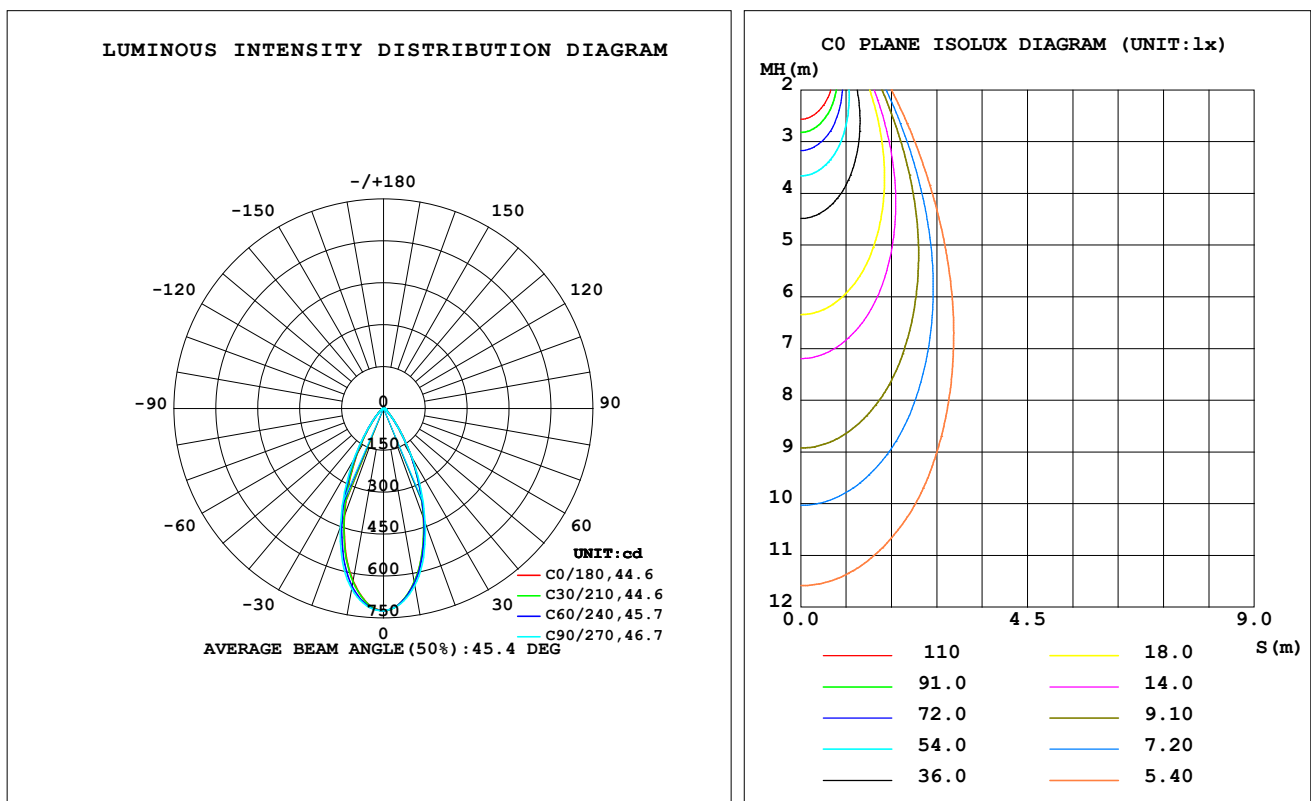
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-29

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:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.25 lm/W			
MODEL	Bridgelux	I _{max} (cd)	723.8	S/MH (C0/180)	0.70
NOMINAL POWER (W)	11	LOR (%)	55.1	S/MH (C90/270)	0.75
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	489.90	☒ UP, DN (C0-180)	0.0, 27.3
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 27.8
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	☒ down (%)	55.1	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: 2023-12-29

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-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	632.9	633.5	644.2	638.9	627.2	638.5	656.3	649.1	0- 10	64.99	64.99	13.3,7.31
20	421.4	421.4	436.7	427.4	410.3	426.0	452.4	444.2	10- 20	150.5	215.4	44,24.2
30	201.8	199.3	206.6	201.1	192.9	203.2	218.6	213.6	20- 30	141.8	357.3	72.9,40.2
40	66.71	64.69	64.59	64.38	64.64	67.32	70.57	68.89	30- 40	77.12	434.4	88.7,48.9
50	20.15	19.65	19.12	19.16	19.88	20.23	20.51	20.20	40- 50	29.23	463.6	94.6,52.1
60	9.794	9.774	9.706	9.677	9.511	9.635	9.783	9.802	50- 60	11.79	475.4	97,53.5
70	6.874	6.885	6.810	6.819	6.744	6.804	6.852	6.860	60- 70	8.305	483.7	98.7,54.4
80	2.869	3.133	2.745	3.032	2.701	2.792	2.558	2.898	70- 80	5.136	488.9	99.8,55
90	0	0	0	0	0	0	0	0	80- 90	1.023	489.9	100,55.1
100	0	0	0	0	0	0	0	0	90-100	0	489.9	100,55.1
110	0	0	0	0	0	0	0	0	100-110	0	489.9	100,55.1
120	0	0	0	0	0	0	0	0	110-120	0	489.9	100,55.1
130	0	0	0	0	0	0	0	0	120-130	0	489.9	100,55.1
140	0	0	0	0	0	0	0	0	130-140	0	489.9	100,55.1
150	0	0	0	0	0	0	0	0	140-150	0	489.9	100,55.1
160	0	0	0	0	0	0	0	0	150-160	0	489.9	100,55.1
170	0	0	0	0	0	0	0	0	160-170	0	489.9	100,55.1
180	0	0	0	0	0	0	0	0	170-180	0	489.9	100,55.1
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:2023-12-29

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

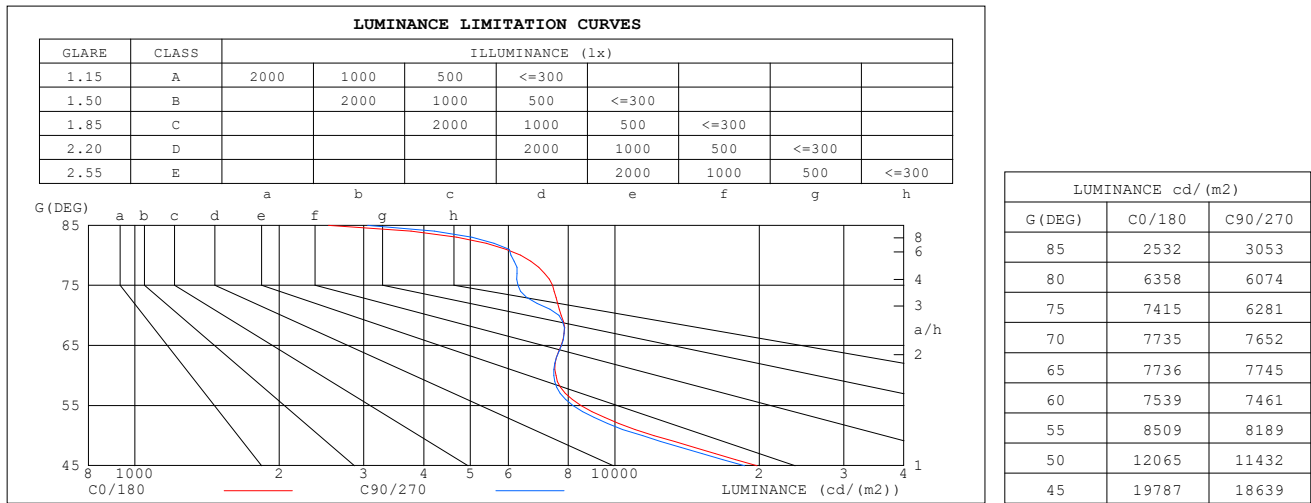
LENS:PM-1103C 50R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test: U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:



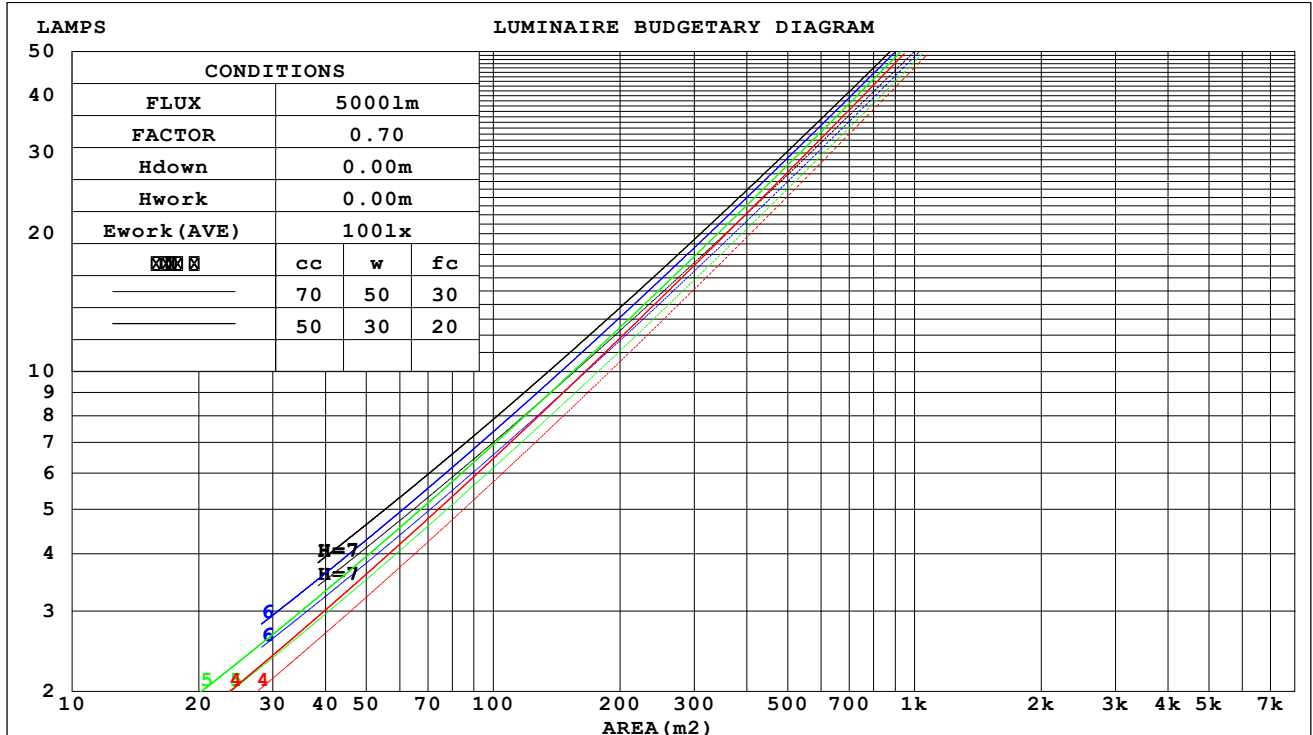
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-29

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	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 60°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-29

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:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	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	.082	.046	.014	.077	.044	.014	
3.0	.091	.049	.015	.089	.048	.014	.084	.045	.014	.079	.043	.013	.075	.041	.013	
4.0	.086	.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	.069	.037	.011	
6.0	.078	.039	.011	.076	.038	.011	.073	.037	.011	.070	.036	.011	.067	.035	.010	
7.0	.074	.037	.010	.072	.036	.010	.069	.035	.010	.067	.034	.010	.064	.033	.010	
8.0	.070	.034	.010	.069	.034	.010	.066	.033	.009	.064	.032	.009	.062	.032	.009	
9.0	.067	.033	.009	.066	.032	.009	.064	.032	.009	.062	.031	.009	.059	.030	.009	
10.0	.064	.031	.009	.063	.031	.009	.061	.030	.008	.059	.029	.008	.057	.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	.079	.081	.074	.068	.055	.051	.047	.032	.030	.028	.010	.010	.009	
2.0	.086	.073	.062	.074	.063	.053	.051	.043	.037	.029	.025	.022	.009	.008	.007	
3.0	.080	.063	.049	.068	.054	.043	.047	.038	.030	.027	.022	.018	.009	.007	.006	
4.0	.074	.055	.040	.063	.047	.034	.044	.033	.024	.025	.019	.014	.008	.006	.005	
5.0	.069	.048	.033	.059	.042	.028	.041	.029	.020	.024	.017	.012	.008	.006	.004	
6.0	.065	.043	.027	.056	.037	.024	.038	.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	.035	.020	.050	.031	.017	.034	.022	.012	.020	.013	.007	.006	.004	.002	
9.0	.055	.032	.017	.047	.028	.015	.033	.020	.011	.019	.012	.006	.006	.004	.002	
10.0	.052	.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:2023-12-29

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:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312291389			
MFR.:MERCURY LIGHTING					SUR.: 0.002601m2			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	18.4	19.3	18.6	19.5	19.7	18.3	19.2	18.5	19.4	19.6
	3H	18.8	19.7	19.1	19.9	20.1	18.7	19.6	19.0	19.8	20.0
	4H	19.1	19.9	19.3	20.1	20.3	18.9	19.7	19.2	20.0	20.2
	6H	19.3	20.0	19.5	20.3	20.5	19.1	19.9	19.4	20.1	20.3
	8H	19.3	20.0	19.6	20.3	20.6	19.1	19.9	19.4	20.1	20.4
	12H	19.3	20.0	19.6	20.3	20.5	19.1	19.8	19.4	20.1	20.4
4H	2H	18.4	19.2	18.7	19.4	19.7	18.3	19.1	18.6	19.4	19.6
	3H	19.0	19.8	19.4	20.0	20.3	19.0	19.7	19.3	19.9	20.2
	4H	19.4	20.1	19.8	20.4	20.7	19.3	19.9	19.6	20.2	20.5
	6H	19.7	20.3	20.1	20.6	21.0	19.6	20.1	19.9	20.5	20.8
	8H	19.8	20.3	20.2	20.7	21.1	19.6	20.2	20.0	20.5	20.9
	12H	19.8	20.3	20.2	20.7	21.1	19.7	20.1	20.1	20.5	20.9
8H	4H	19.5	20.1	19.9	20.4	20.8	19.4	19.9	19.8	20.3	20.6
	6H	19.9	20.4	20.4	20.8	21.2	19.8	20.2	20.2	20.6	21.0
	8H	20.1	20.5	20.5	20.9	21.3	19.9	20.3	20.4	20.7	21.2
	12H	20.1	20.4	20.6	20.9	21.3	20.0	20.3	20.4	20.8	21.2
12H	4H	19.5	20.0	19.9	20.4	20.8	19.4	19.9	19.8	20.2	20.6
	6H	20.0	20.4	20.4	20.8	21.2	19.8	20.2	20.3	20.6	21.1
	8H	20.1	20.5	20.6	20.9	21.4	20.0	20.3	20.5	20.8	21.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.3 / - 1.5					+ 1.3 / - 1.5					
1.5H	+ 2.6 / - 1.5					+ 2.6 / - 1.4					
2.0H	+ 1.9 / - 0.8					+ 1.8 / - 0.7					

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.002601 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: 2023-12-29	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:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

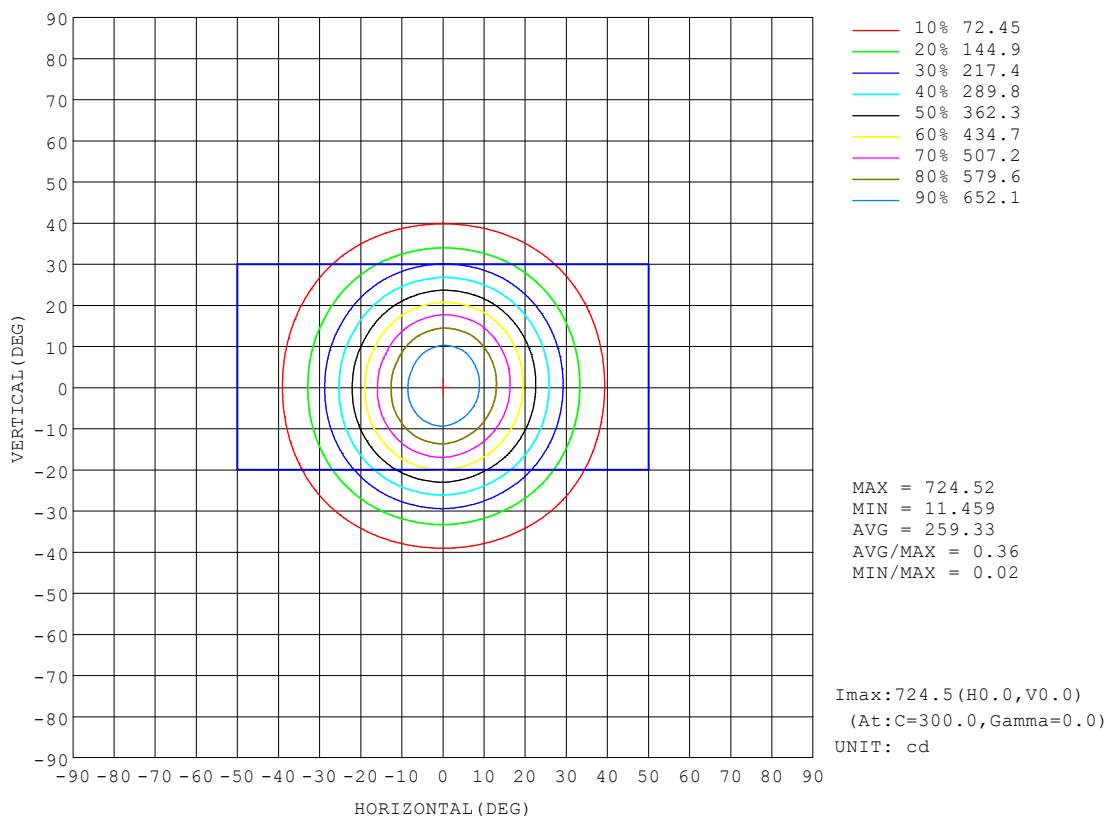
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	47	43	41	46	43	41	46	43	40	38
0.80	51	47	45	50	47	45	50	47	45	43
1.00	53	50	48	53	50	48	52	50	47	45
1.25	56	53	51	55	52	50	54	52	50	47
1.50	57	55	53	57	54	52	55	53	52	49
2.00	59	57	55	58	56	54	57	55	53	50
2.50	60	58	56	59	57	56	57	56	55	51
3.00	61	59	57	60	58	57	58	57	56	52
4.00	62	61	59	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: 2023-12-29

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:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	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:2023-12-29

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

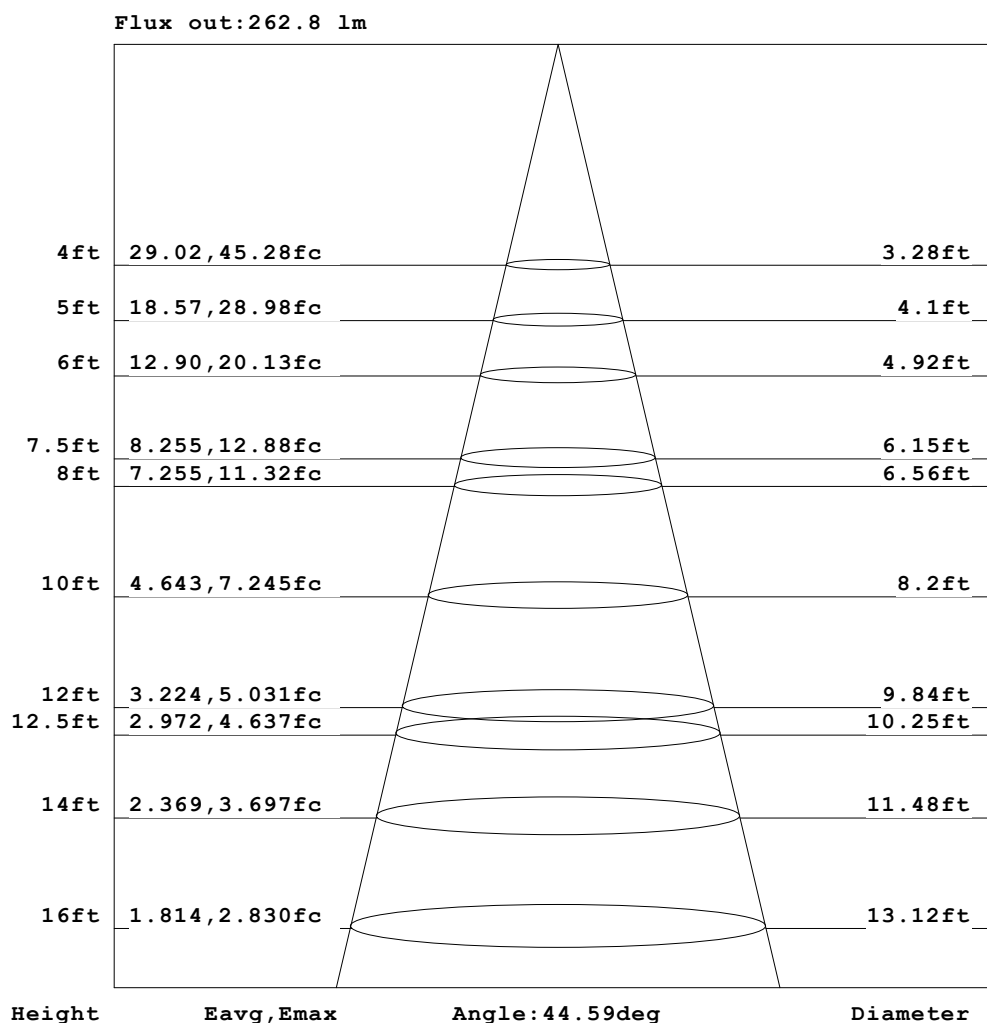
LENS:PM-1103C 50R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

AAI Figure

Test:U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	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: 2023-12-29

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

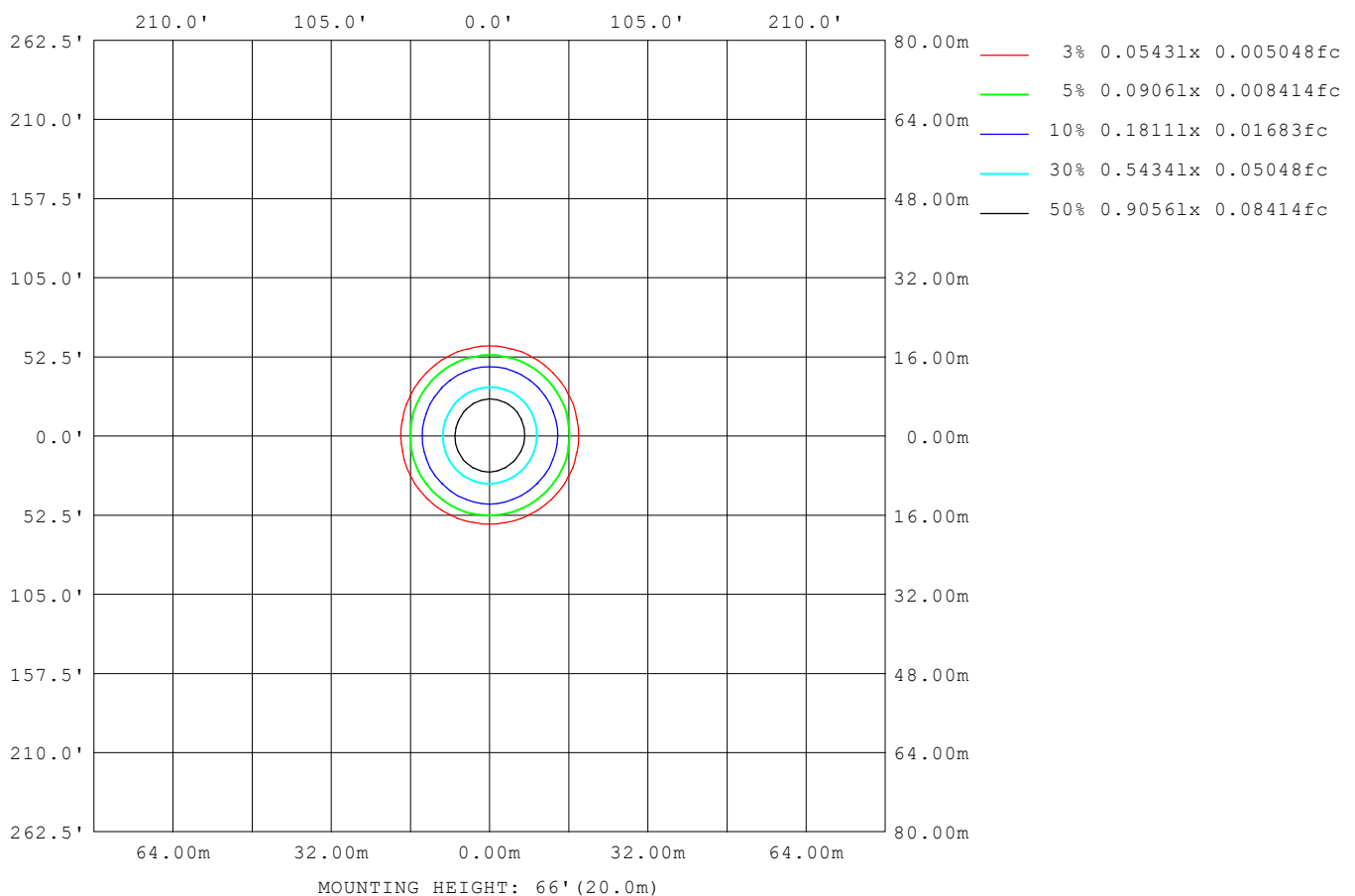
LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOLUX DIAGRAM

Test: U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	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:2023-12-29

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

LED Avg.L Report

Test:U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.:MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

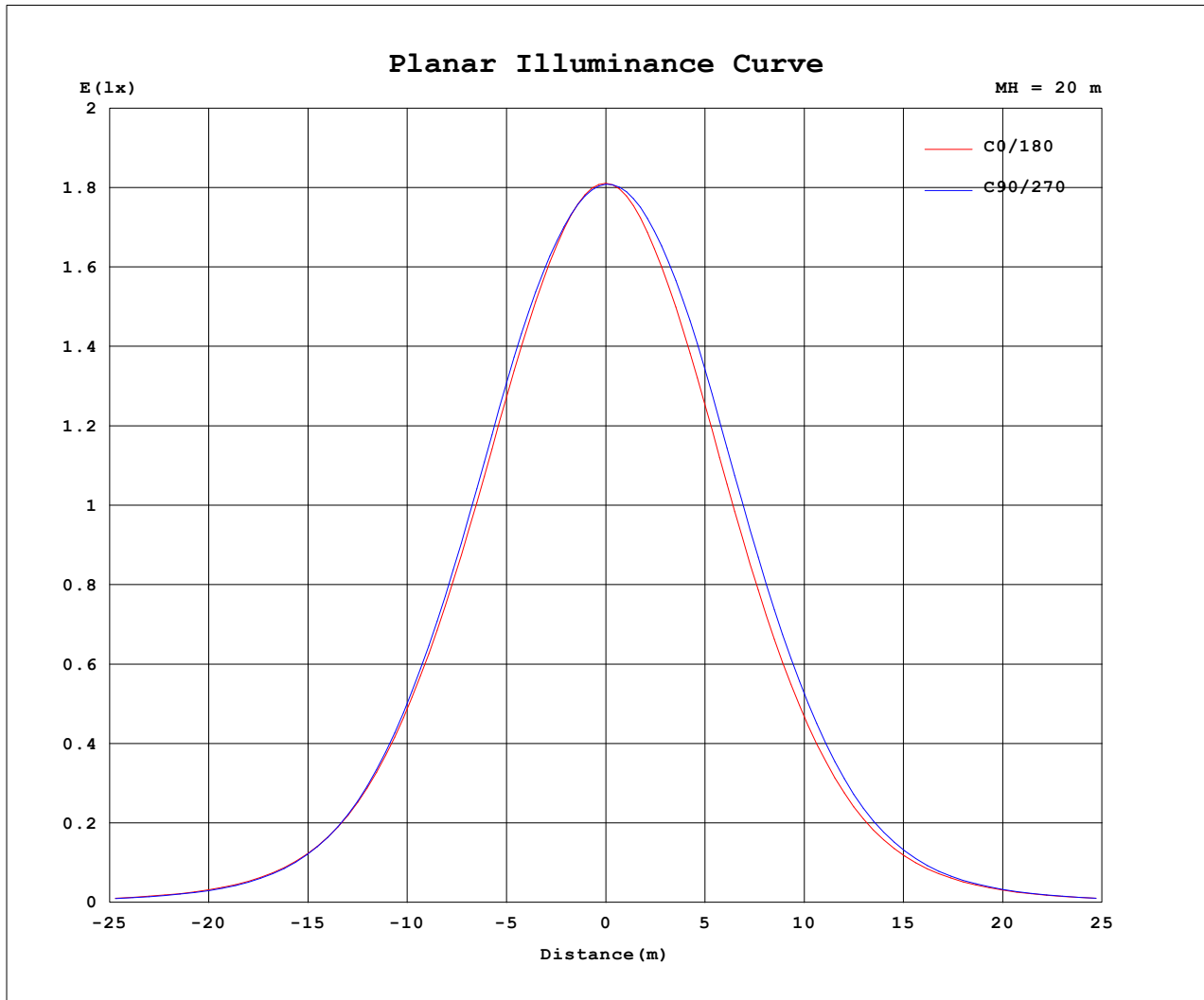
AvgL	cd/m2
L_0~180 (65) av	7674
L_0~180 (75) av	7310
L_0~180 (85) av	2075
L_90~270 (65) av	7722
L_90~270 (75) av	6732
L_90~270 (85) av	2078
L_45 (65) av	7716
L_45 (75) av	7394
L_45 (85) av	2943

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: 2023-12-29

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

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: 2023-12-29

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 DISTRIBUTION INTENSITY DATA

Test:U:120.33V I:0.0951A P:11.327W PF:0.9878 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291389
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	724	724	724	724	724	724	724	724	724	724	724	724						
5	700	699	699	701	701	700	697	698	705	709	708	703						
10	633	631	636	644	643	635	627	630	647	656	655	643						
15	536	534	540	553	551	538	527	532	554	568	568	550						
20	421	419	424	437	434	421	410	415	437	452	453	436						
25	307	303	306	317	313	303	295	299	317	331	330	317						
30	202	199	199	207	204	198	193	196	210	219	218	209						
35	120	118	117	120	118	116	115	117	124	129	128	124						
40	66.7	65.5	63.9	64.6	64.2	64.6	64.6	65.6	69.0	70.6	69.8	67.9						
45	36.4	36.0	34.6	34.3	34.1	35.2	35.7	36.2	37.6	37.7	37.2	36.5						
50	20.2	20.1	19.2	19.1	18.8	19.5	19.9	19.9	20.6	20.5	20.4	20.0						
55	12.7	12.6	12.4	12.2	12.2	12.3	12.3	12.4	12.6	12.7	12.7	12.6						
60	9.79	9.79	9.76	9.71	9.71	9.64	9.51	9.57	9.70	9.78	9.80	9.81						
65	8.50	8.53	8.51	8.52	8.52	8.47	8.38	8.39	8.44	8.46	8.49	8.49						
70	6.87	6.91	6.86	6.81	6.84	6.80	6.74	6.76	6.85	6.85	6.86	6.86						
75	4.99	5.02	4.98	4.23	4.95	4.91	4.86	4.88	4.92	4.83	4.97	4.96						
80	2.87	3.13	3.13	2.74	3.13	2.93	2.70	2.87	2.72	2.56	2.88	2.91						
85	0.57	0.92	0.89	0.69	0.85	0.70	0.37	0.40	0.38	0.25	0.49	0.53						
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: 2023-12-29

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γ Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 124.409" [K=1.0000]

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30minutes warm-up