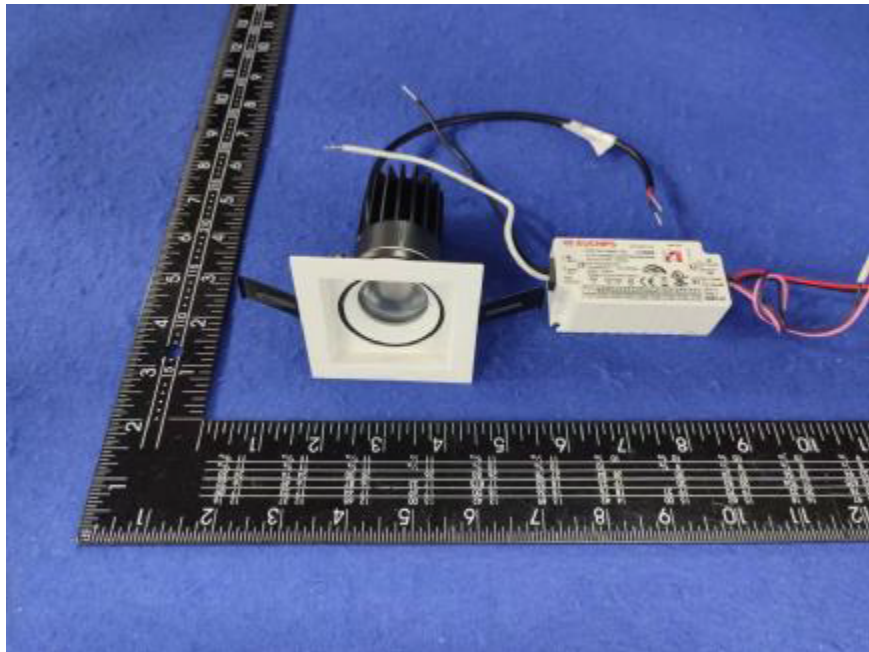


Photometric Report for each Light Engine used in
double and triple configuration
for Flanged and Flangeless Trim



Light Output Ratio:	58.4%	
Luminaire Power:	11.31 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	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: 2023-12-28

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

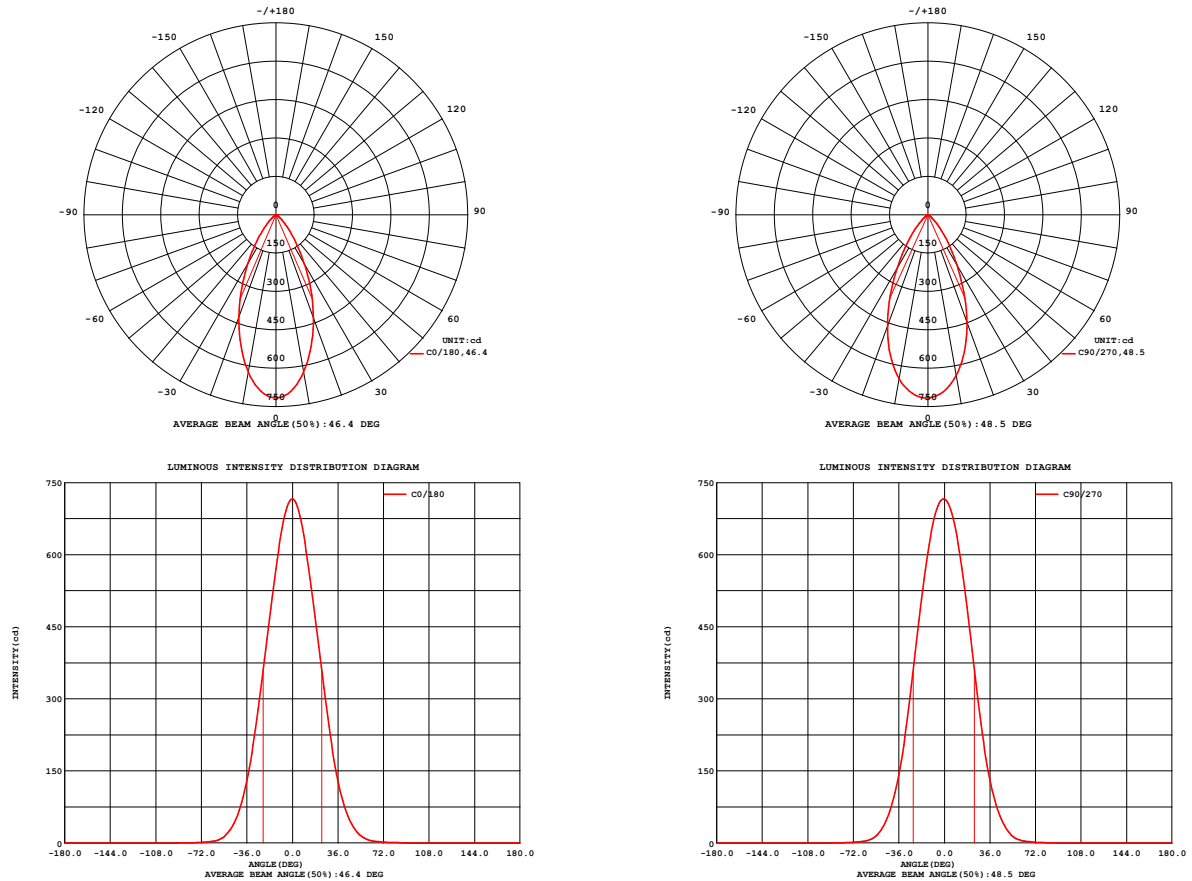


Fig. C0/C180

Fig. C90/C270

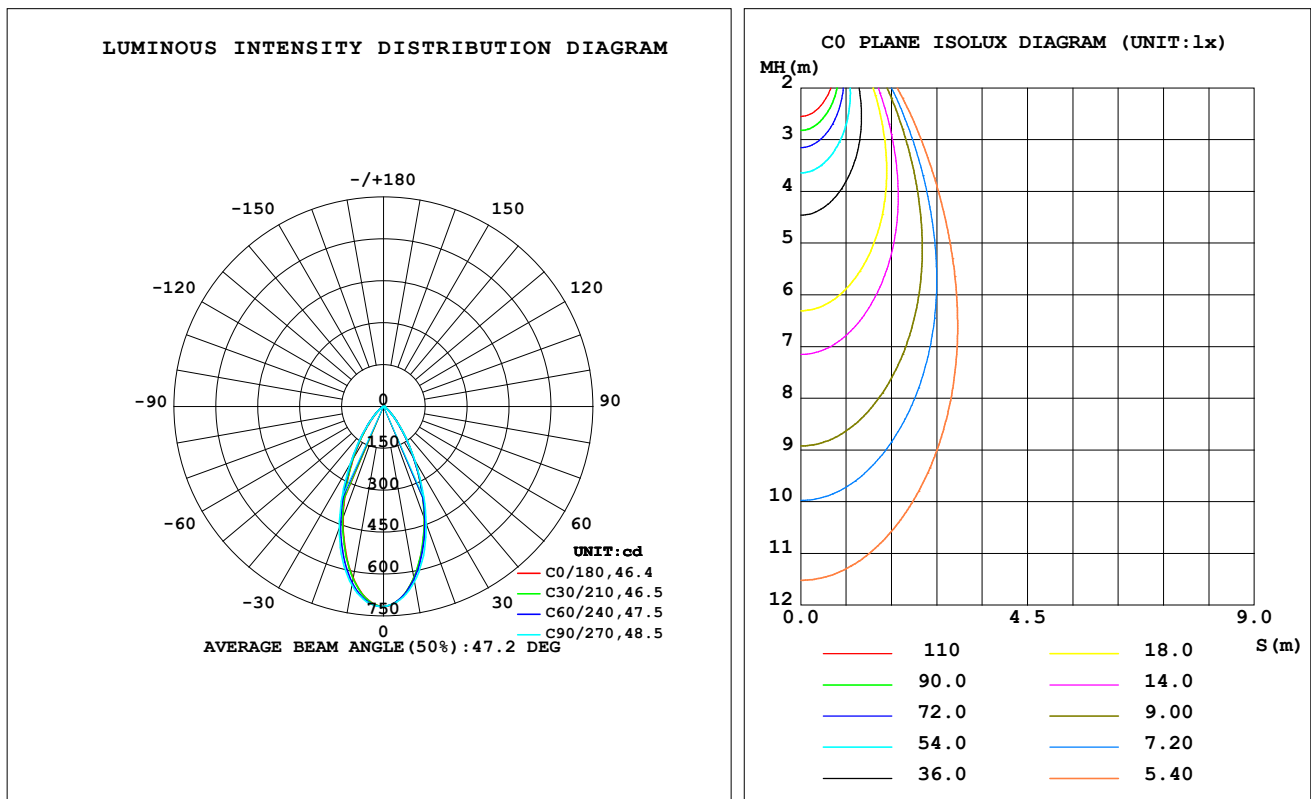
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-28

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:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 45.93 lm/W			
MODEL	Bridgelux	I _{max} (cd)	715.8	S/MH (C0/180)	0.72
NOMINAL POWER (W)	11	LOR (%)	58.4	S/MH (C90/270)	0.77
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	519.32	η UP, DN (C0-180)	0.0, 28.9
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 29.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	120	η down (%)	58.4	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-28

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	624.2	625.5	637.8	635.2	624.5	634.9	650.5	641.5	0- 10	64.35	64.35	12.4,7.24
20	429.2	429.6	446.9	440.8	424.4	439.1	463.7	453.2	10- 20	151.0	215.3	41.5,24.2
30	224.0	221.3	227.9	225.4	220.3	228.9	241.3	235.9	20- 30	150.5	365.8	70.4,41.1
40	87.56	86.75	88.86	88.42	85.23	91.26	94.19	91.68	30- 40	92.94	458.8	88.3,51.6
50	26.54	28.94	25.79	28.35	24.01	29.18	26.59	29.85	40- 50	40.92	499.7	96.2,56.2
60	6.623	8.385	5.999	7.408	4.998	7.329	5.801	8.274	50- 60	13.73	513.4	98.9,57.7
70	2.245	2.649	1.965	2.187	1.503	1.988	1.741	2.505	60- 70	4.027	517.4	99.6,58.2
80	0.8006	0.9411	0.6612	0.7364	0.5596	0.6622	0.6353	0.8553	70- 80	1.358	518.8	99.9,58.3
90	0	0	0	0	0	0	0	0	80- 90	0.5156	519.3	100,58.4
100	0	0	0	0	0	0	0	0	90-100	0	519.3	100,58.4
110	0	0	0	0	0	0	0	0	100-110	0	519.3	100,58.4
120	0	0	0	0	0	0	0	0	110-120	0	519.3	100,58.4
130	0	0	0	0	0	0	0	0	120-130	0	519.3	100,58.4
140	0	0	0	0	0	0	0	0	130-140	0	519.3	100,58.4
150	0	0	0	0	0	0	0	0	140-150	0	519.3	100,58.4
160	0	0	0	0	0	0	0	0	150-160	0	519.3	100,58.4
170	0	0	0	0	0	0	0	0	160-170	0	519.3	100,58.4
180	0	0	0	0	0	0	0	0	170-180	0	519.3	100,58.4
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:2023-12-28

 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

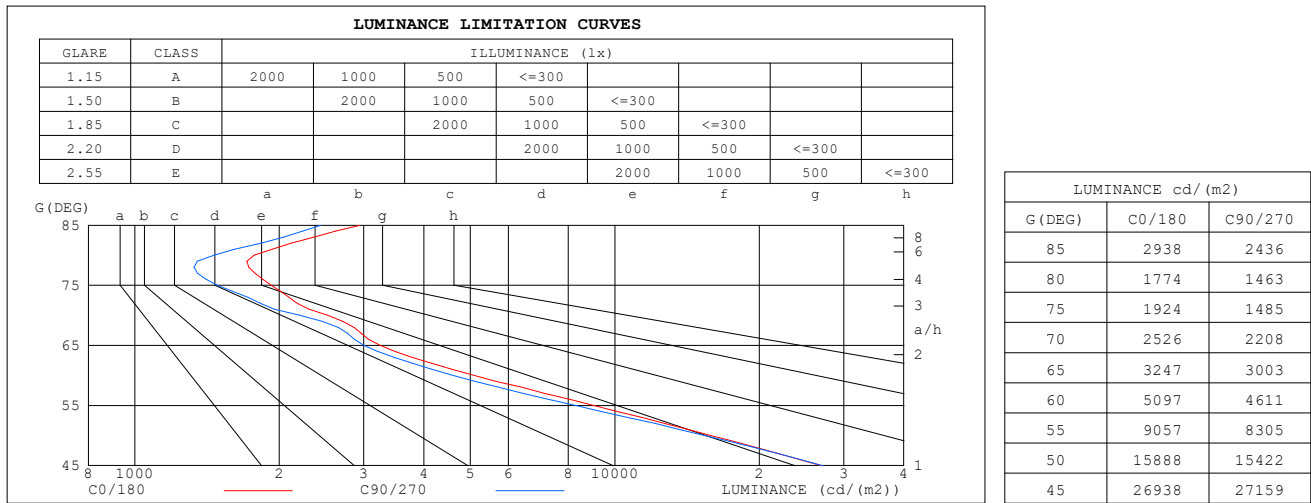
LENS:PM-1103C 50R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
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: 2023-12-28

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

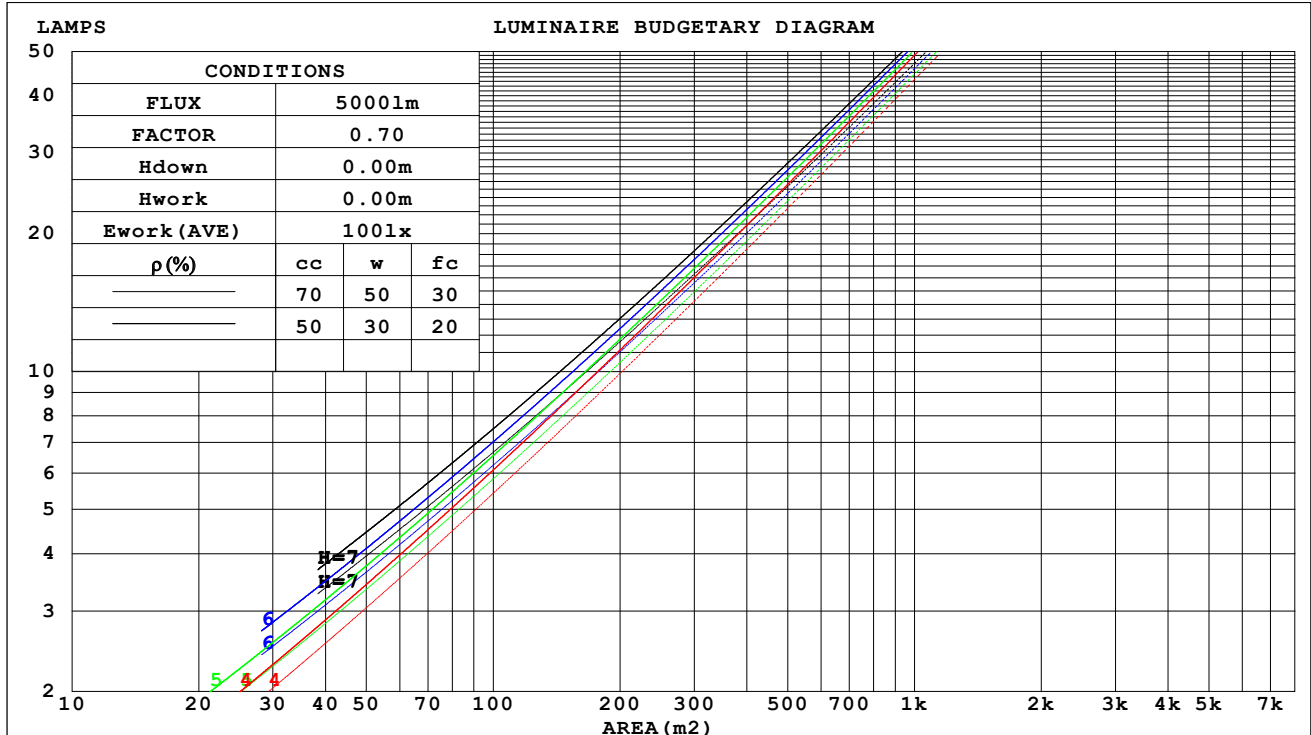
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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: 2023-12-28

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

WEC AND CCEC

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.106	.060	.019	.102	.058	.018	.094	.054	.017	.088	.051	.016	.081	.047	.015	
2.0	.101	.056	.017	.098	.054	.017	.092	.051	.016	.086	.048	.015	.081	.046	.014	
3.0	.096	.051	.015	.094	.050	.015	.088	.048	.015	.083	.046	.014	.079	.044	.014	
4.0	.092	.048	.014	.089	.047	.014	.085	.045	.013	.080	.043	.013	.076	.042	.013	
5.0	.087	.044	.013	.085	.044	.013	.081	.042	.012	.077	.041	.012	.074	.039	.012	
6.0	.083	.042	.012	.081	.041	.012	.078	.040	.012	.074	.039	.011	.071	.038	.011	
7.0	.079	.039	.011	.078	.039	.011	.074	.038	.011	.072	.037	.011	.069	.036	.011	
8.0	.076	.037	.010	.074	.037	.010	.071	.036	.010	.069	.035	.010	.066	.034	.010	
9.0	.072	.035	.010	.071	.035	.010	.069	.034	.010	.066	.033	.010	.064	.033	.009	
10.0	.069	.033	.009	.068	.033	.009	.066	.032	.009	.064	.032	.009	.062	.031	.009	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.111	.111	.111	.095	.095	.095	.065	.065	.065	.037	.037	.037	.012	.012	.012	
1.0	.100	.092	.084	.086	.079	.073	.059	.054	.050	.034	.031	.029	.011	.010	.009	
2.0	.091	.077	.066	.078	.067	.057	.054	.046	.040	.031	.027	.023	.010	.009	.008	
3.0	.084	.066	.052	.072	.057	.045	.050	.040	.032	.029	.023	.019	.009	.008	.006	
4.0	.078	.058	.042	.067	.050	.037	.046	.035	.026	.027	.020	.015	.009	.007	.005	
5.0	.073	.051	.035	.063	.044	.030	.043	.031	.021	.025	.018	.013	.008	.006	.004	
6.0	.069	.046	.029	.059	.039	.025	.041	.028	.018	.024	.016	.011	.008	.005	.003	
7.0	.065	.041	.024	.056	.036	.021	.039	.025	.015	.022	.015	.009	.007	.005	.003	
8.0	.062	.038	.021	.053	.033	.018	.037	.023	.013	.021	.013	.008	.007	.004	.003	
9.0	.059	.035	.018	.051	.030	.016	.035	.021	.011	.020	.012	.007	.007	.004	.002	
10.0	.056	.032	.016	.048	.028	.014	.034	.020	.010	.020	.012	.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:2023-12-28

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:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312281385			
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	19.5	20.5	19.7	20.7	20.8	19.5	20.4	19.7	20.6	20.8
	3H	19.4	20.3	19.7	20.5	20.7	19.4	20.2	19.6	20.4	20.6
	4H	19.3	20.2	19.6	20.4	20.6	19.3	20.1	19.6	20.3	20.6
	6H	19.3	20.1	19.6	20.3	20.6	19.2	20.0	19.5	20.2	20.5
	8H	19.2	20.0	19.6	20.3	20.5	19.2	19.9	19.5	20.2	20.4
	12H	19.2	19.9	19.5	20.2	20.5	19.1	19.8	19.4	20.1	20.4
4H	2H	19.4	20.2	19.6	20.4	20.6	19.3	20.1	19.6	20.4	20.6
	3H	19.3	20.0	19.6	20.3	20.5	19.2	19.9	19.5	20.2	20.5
	4H	19.2	19.9	19.6	20.2	20.5	19.1	19.8	19.5	20.1	20.4
	6H	19.2	19.7	19.5	20.1	20.4	19.1	19.6	19.4	20.0	20.3
	8H	19.1	19.7	19.5	20.0	20.4	19.0	19.6	19.4	19.9	20.3
	12H	19.1	19.6	19.5	20.0	20.3	19.0	19.5	19.4	19.9	20.3
8H	4H	19.1	19.6	19.5	20.0	20.3	19.0	19.6	19.4	19.9	20.3
	6H	19.0	19.5	19.5	19.9	20.3	19.0	19.4	19.4	19.8	20.2
	8H	19.0	19.4	19.5	19.8	20.3	18.9	19.3	19.4	19.7	20.2
	12H	19.0	19.4	19.5	19.8	20.3	18.9	19.3	19.4	19.7	20.2
12H	4H	19.0	19.5	19.5	19.9	20.3	19.0	19.5	19.4	19.8	20.2
	6H	19.0	19.4	19.4	19.8	20.2	18.9	19.3	19.4	19.7	20.2
	8H	19.0	19.3	19.5	19.8	20.2	18.9	19.2	19.4	19.7	20.1
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 2.3 / - 5.4					+ 2.5 / - 5.9					
1.5H	+ 3.5 / - 3.5					+ 3.7 / - 4.0					
2.0H	+ 4.3 / - 4.6					+ 4.6 / - 5.0					

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.002601 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 60°	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: 2023-12-28	Remarks: LAMP: BXRV-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103C 50R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

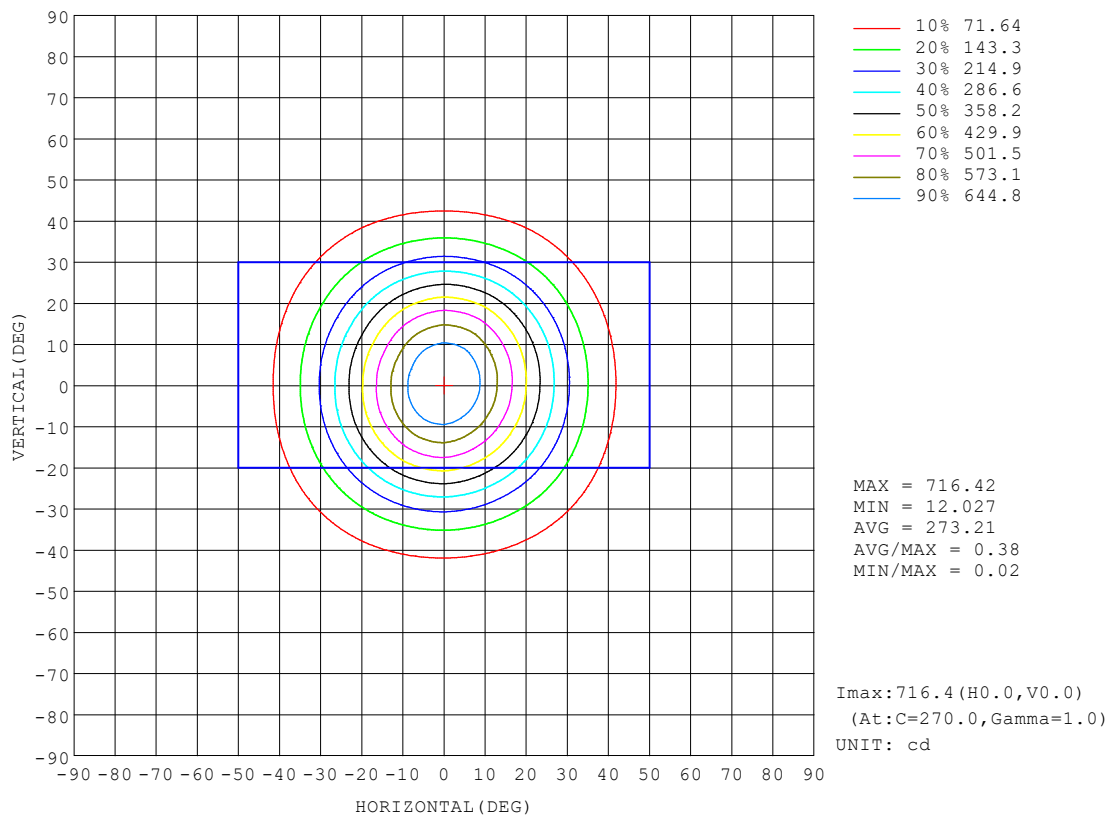
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	45	43	49	45	43	48	45	43	40
0.80	54	50	48	53	50	48	53	49	47	45
1.00	57	53	51	56	53	51	55	53	50	48
1.25	59	56	54	59	56	54	58	55	53	51
1.50	61	58	56	60	58	56	59	57	55	52
2.00	63	60	58	62	60	58	60	58	57	54
2.50	64	62	60	63	61	59	61	59	58	55
3.00	65	63	61	64	62	60	62	60	59	55
4.00	66	64	63	65	63	62	63	62	61	56
5.00	67	65	64	66	64	63	63	62	62	57
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: 2023-12-28

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:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
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: 2023-12-28

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

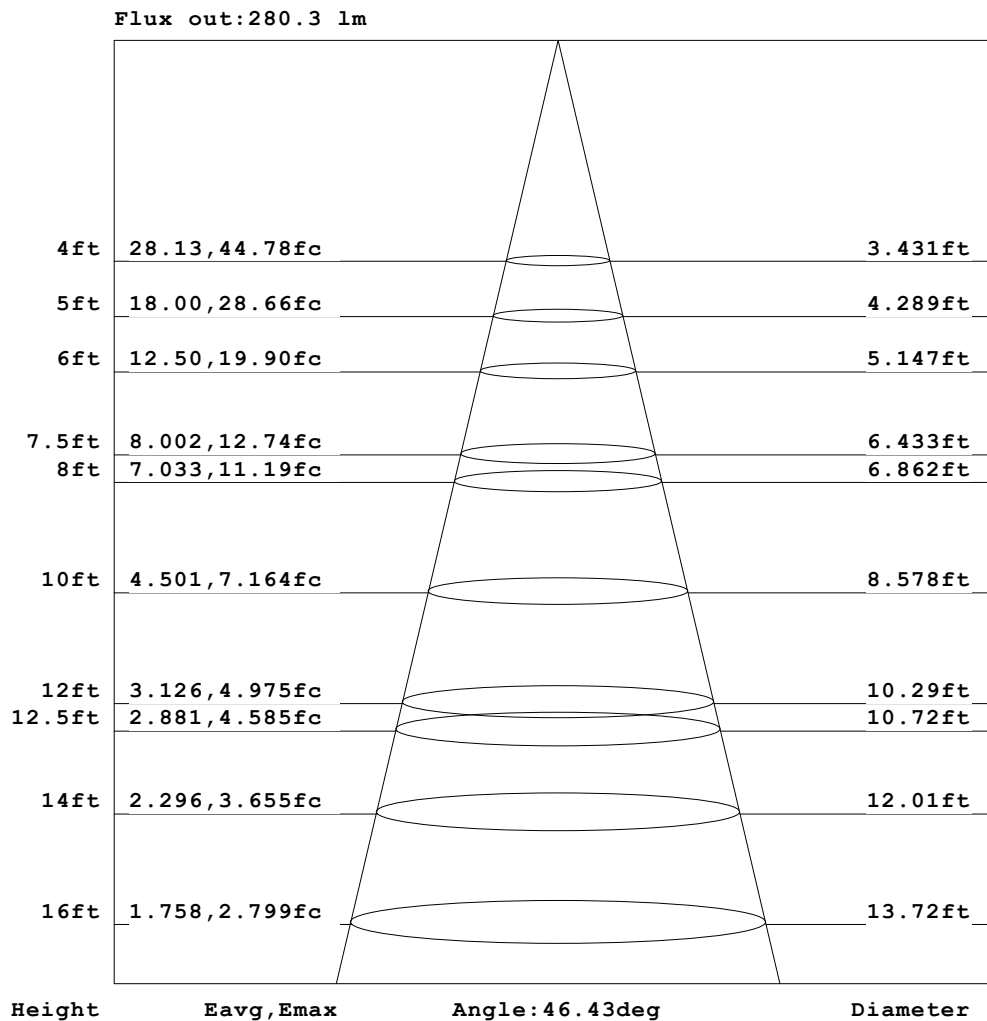
LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

AAI Figure

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
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: 2023-12-28

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

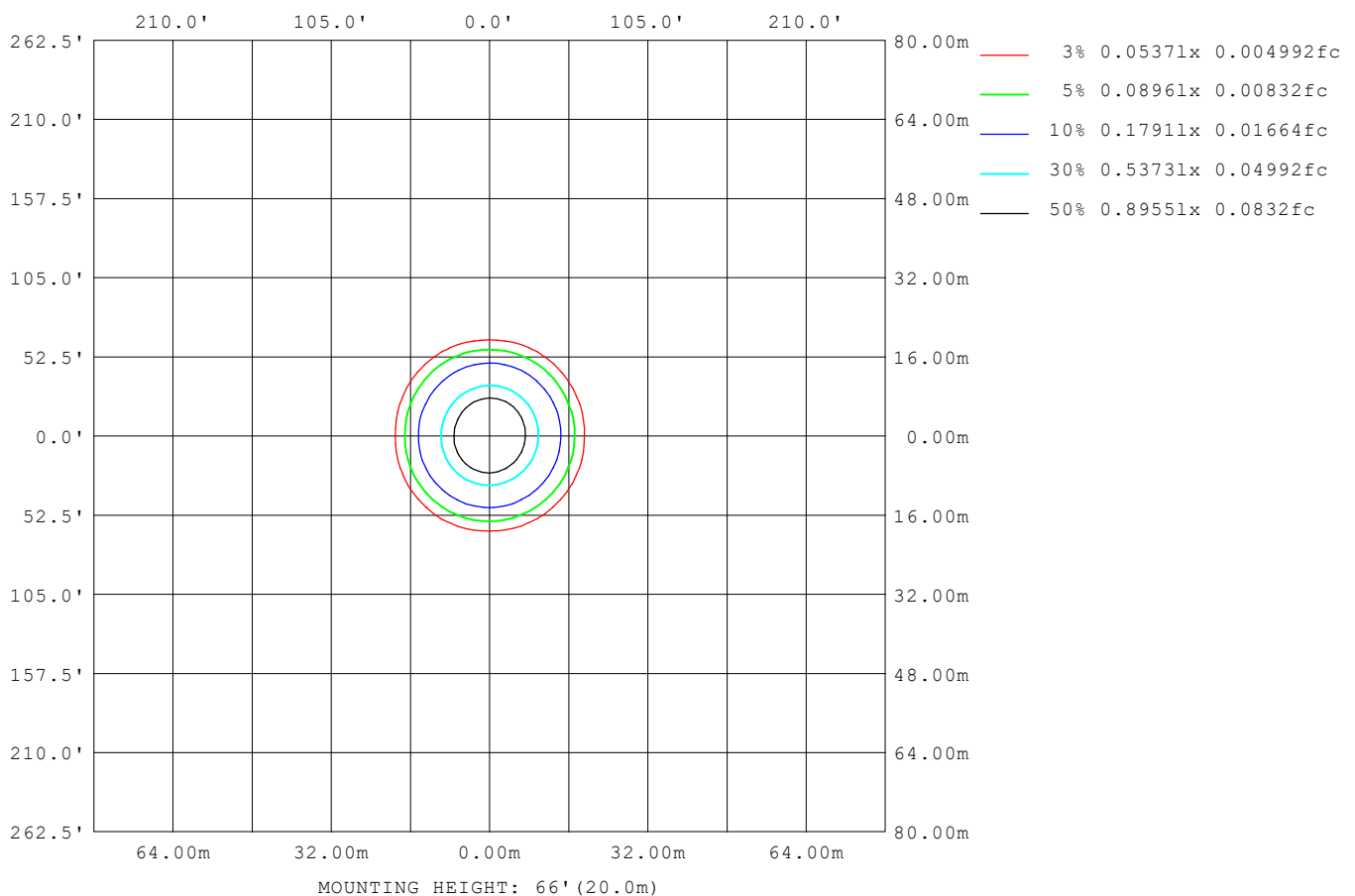
LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

ISOLUX DIAGRAM

Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
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: 2023-12-28

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

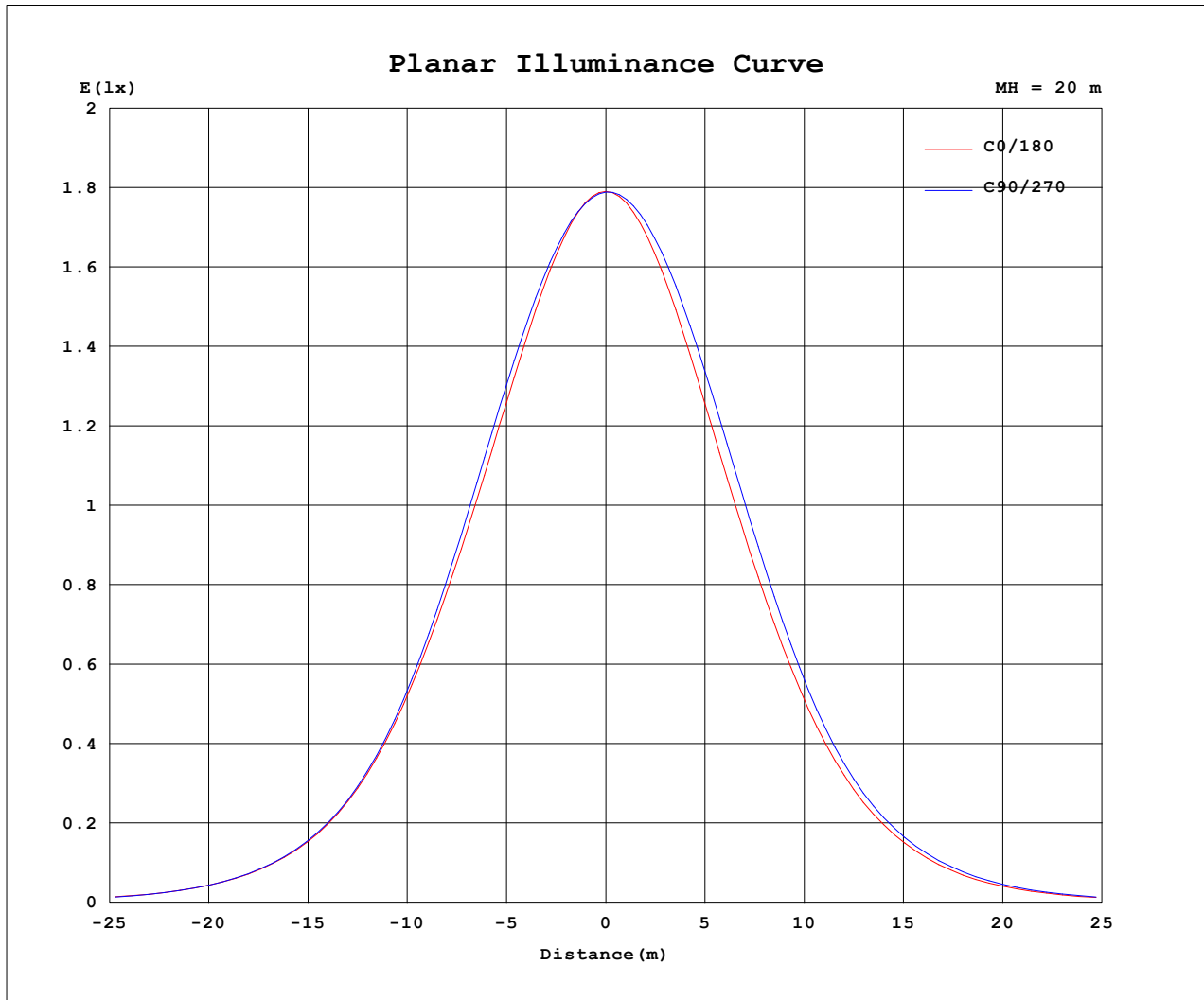
Test:U:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	2865
L_0~180 (75) av	1575
L_0~180 (85) av	2295
L_90~270 (65) av	2905
L_90~270 (75) av	1477
L_90~270 (85) av	2263
L_45 (65) av	3826
L_45 (75) av	1975
L_45 (85) av	2457

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: 2023-12-28	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
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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: 2023-12-28

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:120.23V I:0.0951A P:11.307W PF:0.9870 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-60-SQ-AD-OPS	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312281385
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	716	716	716	716	716	716	716	716	716	716	716	716						
5	691	690	690	694	695	693	691	693	699	701	700	695						
10	624	623	628	638	638	632	625	628	642	650	648	635						
15	533	530	539	553	553	542	530	535	555	569	566	547						
20	429	426	433	447	446	435	424	429	449	464	462	444						
25	323	319	322	333	333	325	318	322	338	349	348	335						
30	224	221	221	228	227	223	220	223	235	241	240	232						
35	144	142	142	146	146	144	143	144	152	156	154	148						
40	87.6	86.6	86.9	88.9	89.2	87.7	85.2	89.1	93.4	94.2	93.4	89.9						
45	49.5	51.0	50.7	50.0	52.0	50.1	46.7	51.6	54.1	52.4	54.4	51.9						
50	26.5	29.4	28.5	25.8	29.2	27.5	24.0	28.8	29.6	26.6	30.6	29.1						
55	13.5	16.5	15.2	12.4	15.4	14.2	11.2	15.2	15.0	12.6	16.4	15.7						
60	6.62	8.92	7.85	6.00	7.80	7.02	5.00	7.39	7.27	5.80	8.44	8.10						
65	3.57	4.83	4.33	3.30	4.09	3.56	2.73	3.54	3.60	3.09	4.43	4.35						
70	2.25	2.71	2.59	1.96	2.33	2.05	1.50	1.95	2.03	1.74	2.45	2.56						
75	1.29	1.57	1.47	1.00	1.27	1.11	0.83	1.05	1.10	0.99	1.35	1.44						
80	0.80	0.98	0.90	0.66	0.78	0.69	0.56	0.65	0.68	0.64	0.82	0.89						
85	0.67	0.71	0.67	0.55	0.53	0.45	0.37	0.39	0.45	0.47	0.56	0.66						
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:2023-12-28

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