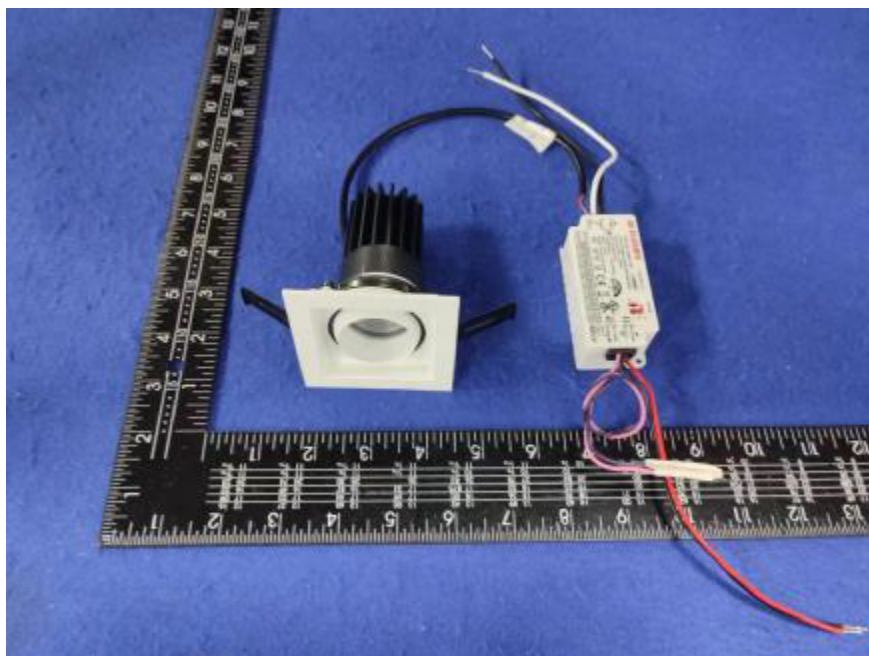


Photometric Report for each Light Engine
used in double and triple configuration
for Flanged and Flangeless Trim



Light Output Ratio:	59.8%	
Luminaire Power:	11.38 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: 2023-12-29

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

LENS: PM-1103 15R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

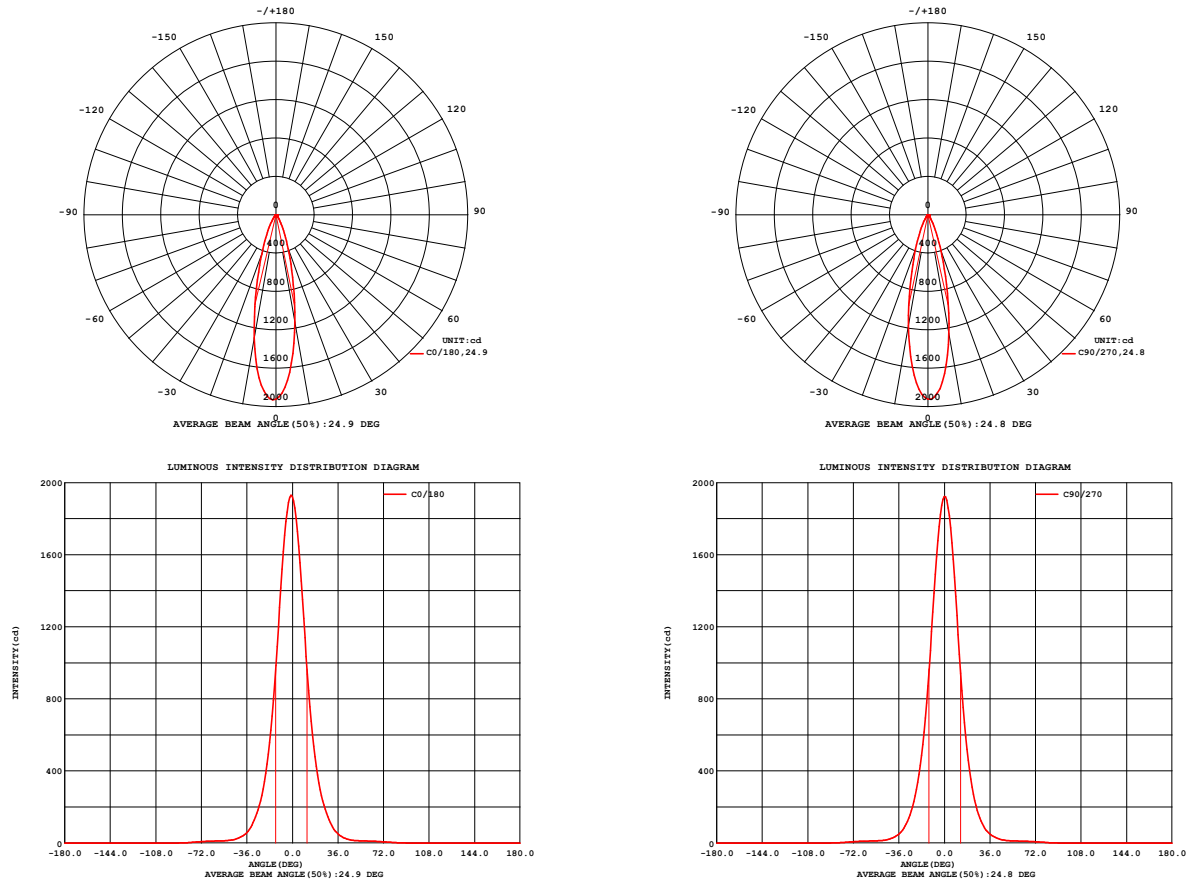


Fig. C0/C180

Fig. C90/C270

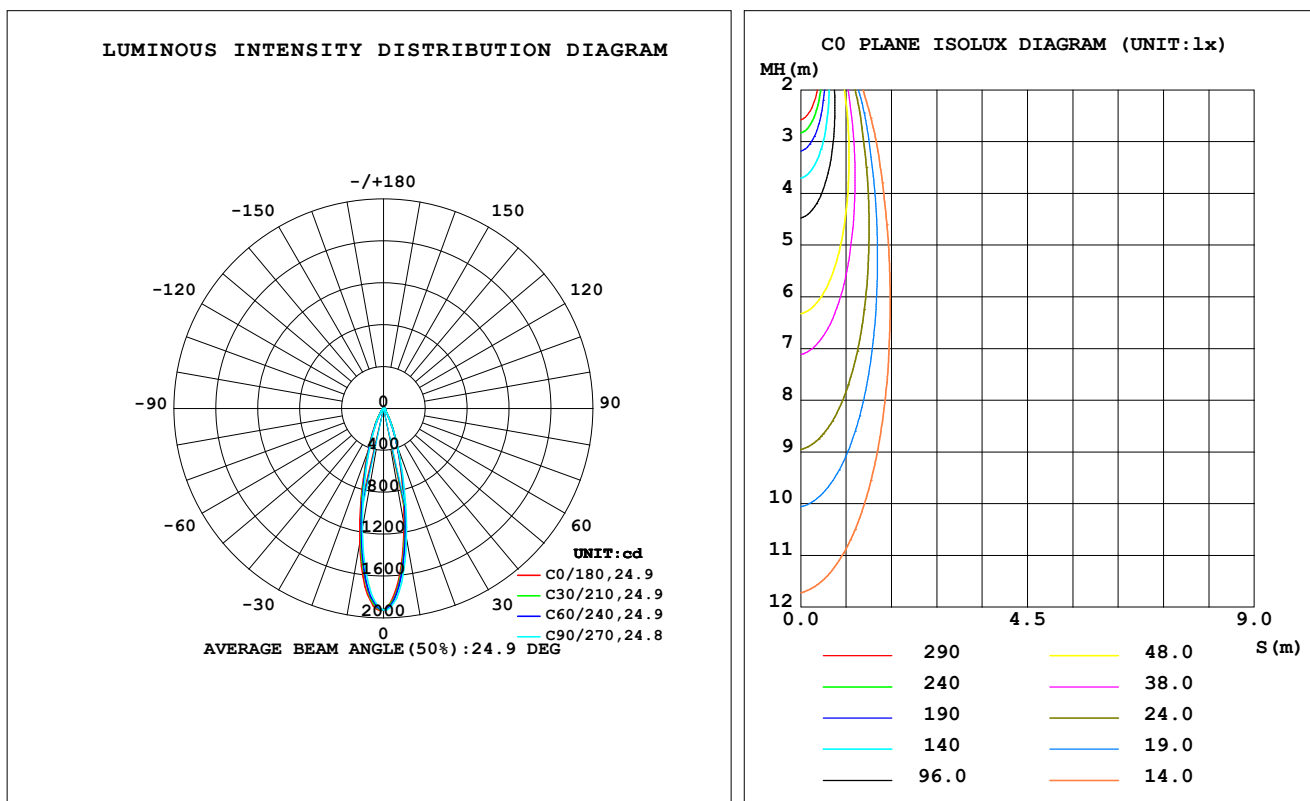
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 15°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-29

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: BXRH-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:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 46.72 lm/W
MODEL	Bridgelux	Imax(cd)	1932	S/MH(C0/180)		0.45
NOMINAL POWER(W)	11	LOR(%)	59.8	S/MH(C90/270)		0.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	531.85	☒ UP,DN(C0-180)		0.0,30.1
NOMINAL FLUX(lm)	889.25	CIE CLASS	DIRECT	☒ UP,DN(C180-360)		0.0,29.7
LAMPS INSIDE	1	☒ up(%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	120	☒ down(%)	59.8	CIBSE SHR MAX		0.30



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-29

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: BXRH-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	1140	1192	1262	1307	1306	1244	1174	1136	0- 10	147.3	147.3	27.7,16.6
20	377.1	388.0	403.6	425.8	437.0	410.8	381.2	367.8	10- 20	201.8	349.1	65.6,39.3
30	113.3	110.9	107.0	115.7	127.8	118.2	105.5	104.6	20- 30	101.1	450.2	84.6,50.6
40	31.70	31.87	32.01	33.71	35.85	34.11	31.33	30.62	30- 40	38.99	489.2	92,55
50	13.29	13.19	13.29	13.87	14.28	13.98	13.38	13.22	40- 50	15.77	504.9	94.9,56.8
60	10.57	10.37	10.26	10.62	10.97	10.90	10.65	10.62	50- 60	10.64	515.6	96.9,58
70	7.413	7.385	7.533	7.953	8.248	8.080	7.727	7.514	60- 70	9.290	524.9	98.7,59
80	3.054	3.191	3.175	3.544	3.262	3.425	2.991	3.131	70- 80	5.859	530.7	99.8,59.7
90	0	0	0	0	0	0	0	0	80- 90	1.137	531.8	100,59.8
100	0	0	0	0	0	0	0	0	90-100	0	531.8	100,59.8
110	0	0	0	0	0	0	0	0	100-110	0	531.8	100,59.8
120	0	0	0	0	0	0	0	0	110-120	0	531.8	100,59.8
130	0	0	0	0	0	0	0	0	120-130	0	531.8	100,59.8
140	0	0	0	0	0	0	0	0	130-140	0	531.8	100,59.8
150	0	0	0	0	0	0	0	0	140-150	0	531.8	100,59.8
160	0	0	0	0	0	0	0	0	150-160	0	531.8	100,59.8
170	0	0	0	0	0	0	0	0	160-170	0	531.8	100,59.8
180	0	0	0	0	0	0	0	0	170-180	0	531.8	100,59.8
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:2023-12-29

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

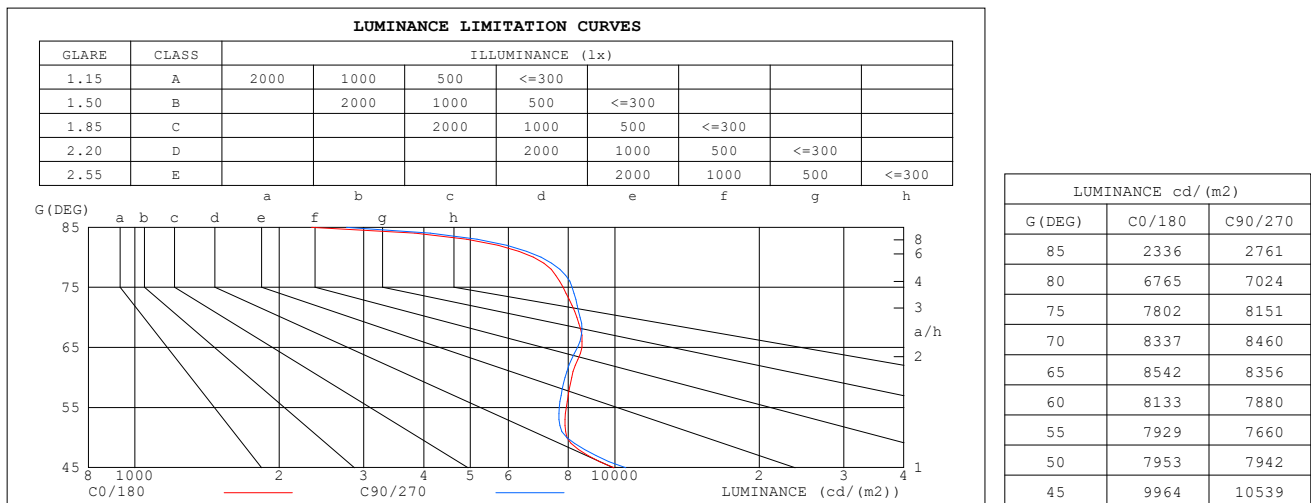
LENS:PM-1103 15R-DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test: U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

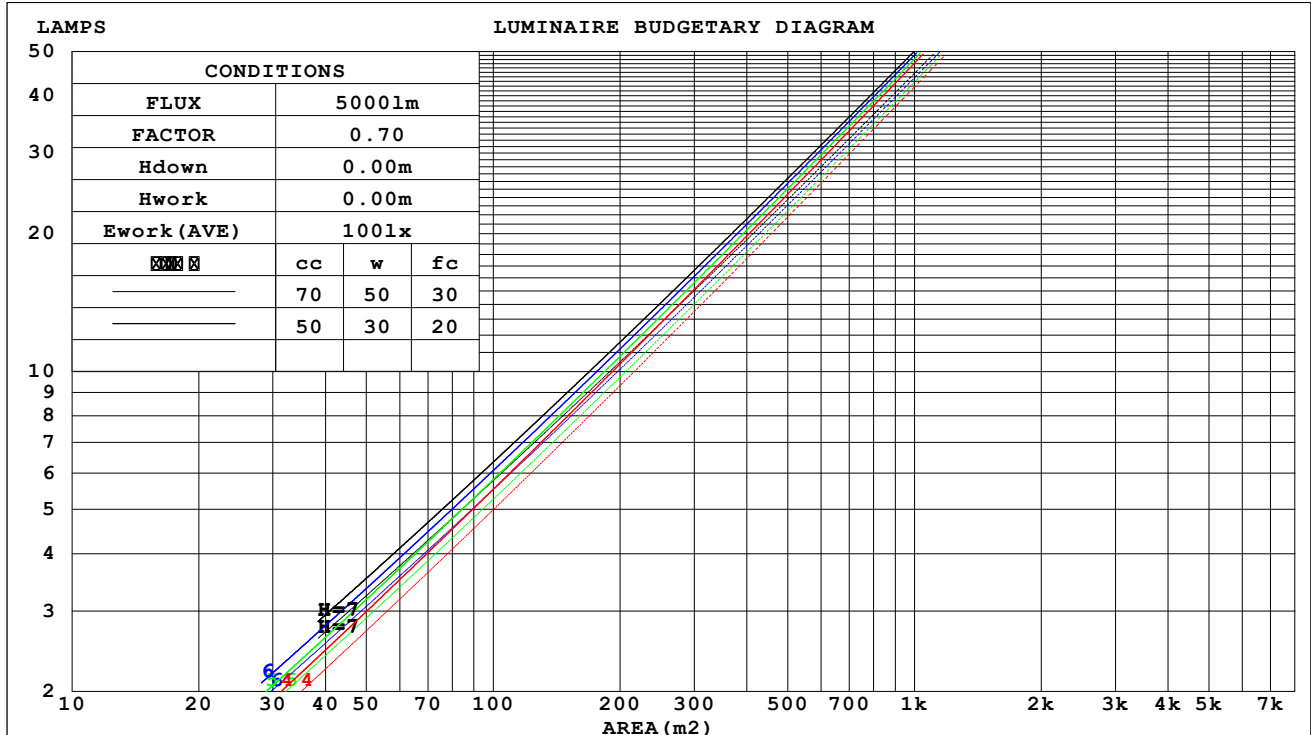


C Range: 0 - 360DEG C Interval: For a lens beam angle of 15° Test Speed: HIGH Temperature: 77.54 °F Operators: zoe Test Date: 2023-12-29	γ Range: 0 - 180DEG γ Interval: 1.0DEG Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461 Humidity: 65.0% Test Distance: 124.409" [K=1.0000] Remarks: LAMP: BXRH-DR-1830G-100Z-A-23 Ra:90 LENS: PM-1103 15R+DIFFUSER DRIVER: PUP10A-1WMC-700 500mA 30minutes warm-up
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
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															Coefficients of Utilization(CU)														
0.0	.71	.71	.71	.70	.70	.70	.66	.66	.66	.64	.64	.64	.61	.61	.61	.60														
1.0	.67	.65	.64	.65	.64	.63	.63	.62	.61	.61	.60	.59	.59	.58	.58	.57														
2.0	.63	.61	.59	.62	.60	.58	.60	.58	.57	.58	.57	.56	.56	.55	.55	.54														
3.0	.59	.57	.55	.59	.56	.54	.57	.55	.53	.56	.54	.53	.54	.53	.52	.51														
4.0	.56	.54	.51	.56	.53	.51	.55	.52	.51	.53	.51	.50	.52	.51	.49	.49														
5.0	.54	.51	.49	.53	.51	.48	.52	.50	.48	.51	.49	.48	.50	.49	.47	.46														
6.0	.51	.48	.46	.51	.48	.46	.50	.48	.46	.49	.47	.46	.49	.47	.45	.45														
7.0	.49	.46	.44	.49	.46	.44	.48	.46	.44	.48	.45	.44	.47	.45	.44	.43														
8.0	.48	.45	.43	.47	.44	.42	.47	.44	.42	.46	.44	.42	.46	.43	.42	.41														
9.0	.46	.43	.41	.46	.43	.41	.45	.43	.41	.45	.42	.41	.44	.42	.41	.40														
10.0	.44	.41	.40	.44	.41	.39	.44	.41	.39	.43	.41	.39	.43	.41	.39	.39														



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-29

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: BXRH-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:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

θcc	80%			70%			50%			30%			10%			0
θw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
θfc	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	.086	.050	.016	.080	.046	.015	.073	.042	.014	
2.0	.091	.050	.015	.088	.049	.015	.082	.046	.014	.076	.043	.013	.071	.040	.013	
3.0	.085	.045	.014	.083	.044	.013	.077	.042	.013	.072	.040	.012	.068	.038	.012	
4.0	.080	.041	.012	.077	.041	.012	.073	.039	.012	.069	.037	.011	.065	.035	.011	
5.0	.075	.038	.011	.073	.037	.011	.069	.036	.011	.065	.035	.010	.062	.033	.010	
6.0	.071	.035	.010	.069	.035	.010	.066	.034	.010	.062	.032	.010	.060	.031	.009	
7.0	.067	.033	.009	.065	.033	.009	.063	.032	.009	.060	.031	.009	.057	.030	.009	
8.0	.064	.031	.009	.062	.031	.009	.060	.030	.009	.057	.029	.008	.055	.028	.008	
9.0	.061	.029	.008	.059	.029	.008	.057	.028	.008	.055	.028	.008	.053	.027	.008	
10.0	.058	.028	.008	.057	.027	.008	.055	.027	.008	.053	.026	.007	.051	.026	.007	

θcc	80%			70%			50%			30%			10%			0
θw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
θfc	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	.102	.094	.087	.087	.081	.075	.060	.056	.052	.034	.032	.030	.011	.010	.010	
2.0	.092	.079	.069	.079	.068	.059	.054	.047	.041	.031	.027	.024	.010	.009	.008	
3.0	.084	.068	.055	.072	.059	.048	.049	.041	.034	.028	.024	.020	.009	.008	.006	
4.0	.077	.059	.045	.066	.051	.039	.045	.035	.028	.026	.021	.016	.008	.007	.005	
5.0	.071	.052	.038	.061	.045	.033	.042	.031	.023	.024	.018	.014	.008	.006	.005	
6.0	.066	.046	.032	.057	.040	.028	.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	.009	.006	.004	.003	
9.0	.054	.034	.020	.047	.029	.018	.032	.021	.013	.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:2023-12-29

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:BXRH-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:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312291383			
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	15.1	15.9	15.3	16.0	16.2	14.9	15.7	15.1	15.8	16.0	
	3H	16.4	17.1	16.7	17.3	17.5	16.3	17.0	16.6	17.2	
	4H	17.0	17.7	17.3	17.9	18.1	16.9	17.6	17.2	17.9	
	6H	17.4	18.1	17.7	18.3	18.6	17.4	18.1	17.7	18.3	
	8H	17.5	18.2	17.8	18.4	18.7	17.5	18.2	17.8	18.4	
	12H	17.5	18.1	17.8	18.4	18.7	17.5	18.1	17.8	18.4	
4H	2H	15.5	16.2	15.8	16.5	16.7	15.4	16.1	15.7	16.3	
	3H	17.1	17.7	17.4	18.0	18.3	17.0	17.7	17.4	17.9	
	4H	17.8	18.4	18.2	18.7	19.0	17.8	18.4	18.1	18.7	
	6H	18.4	18.9	18.7	19.2	19.5	18.4	18.9	18.8	19.2	
	8H	18.5	19.0	18.9	19.3	19.7	18.5	19.0	18.9	19.3	
	12H	18.5	19.0	18.9	19.3	19.7	18.5	19.0	19.0	19.3	
8H	4H	18.1	18.6	18.5	18.9	19.3	18.1	18.5	18.5	18.9	
	6H	18.8	19.1	19.2	19.5	20.0	18.8	19.1	19.2	19.5	
	8H	19.0	19.3	19.4	19.7	20.2	19.0	19.3	19.4	19.7	
	12H	19.0	19.3	19.5	19.7	20.2	19.0	19.3	19.5	19.7	
12H	4H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	
	6H	18.8	19.1	19.2	19.6	20.0	18.8	19.1	19.2	19.6	
	8H	19.0	19.3	19.5	19.8	20.2	19.0	19.3	19.5	19.8	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4					
1.5H	+ 0.9 / - 0.4					+ 0.8 / - 0.4					
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.2					

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 15°
 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:BXRH-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:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

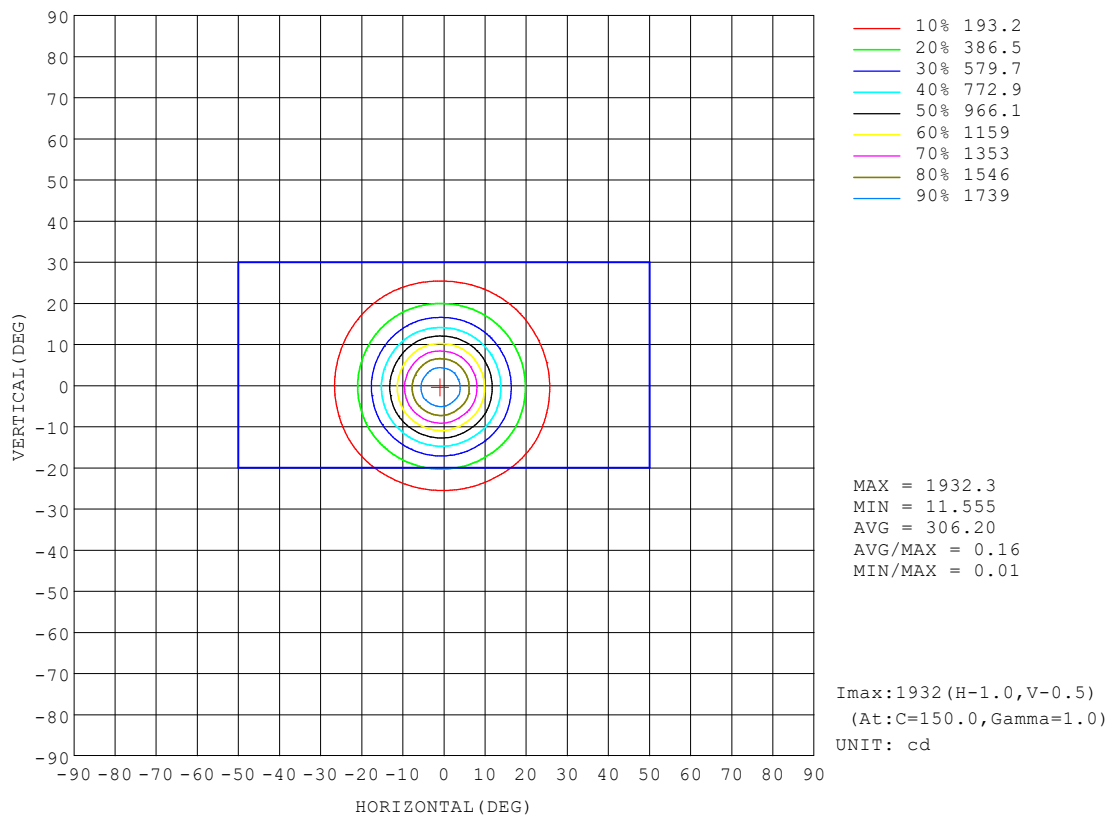
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	48	46	52	48	46	51	48	46	43
0.80	56	53	50	56	52	50	55	52	50	48
1.00	59	55	53	58	55	53	57	55	53	50
1.25	61	58	56	61	58	56	59	57	55	53
1.50	63	60	58	62	59	57	61	59	57	54
2.00	64	62	60	64	61	59	62	60	59	55
2.50	66	63	61	65	62	61	63	61	60	56
3.00	67	64	63	65	64	62	63	62	61	57
4.00	68	66	65	67	65	64	64	63	62	58
5.00	69	67	66	67	66	65	65	64	63	59
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: 2023-12-29

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

ISOCANDELA DIAGRAM

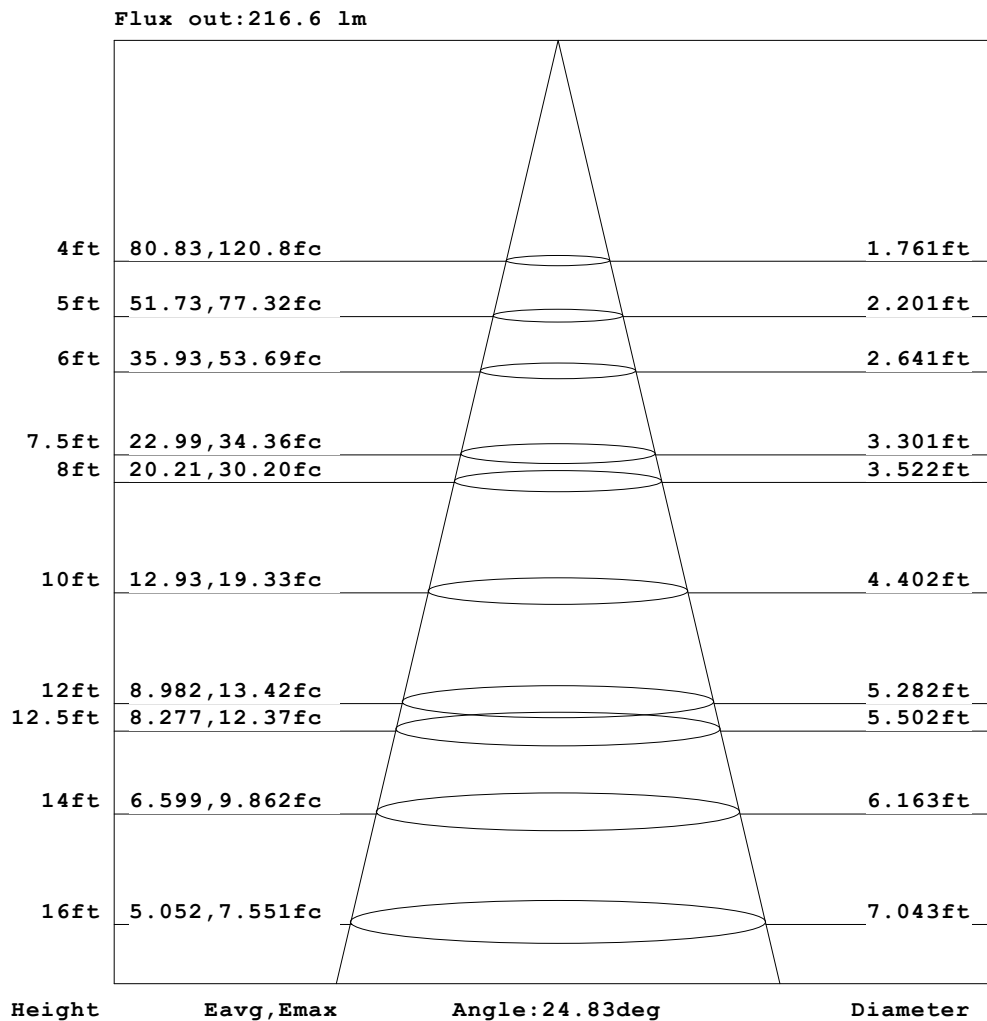
Test:U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:



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: 2023-12-29	Remarks: LAMP: BXRH-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103 15R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

AAI Figure

Test:U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

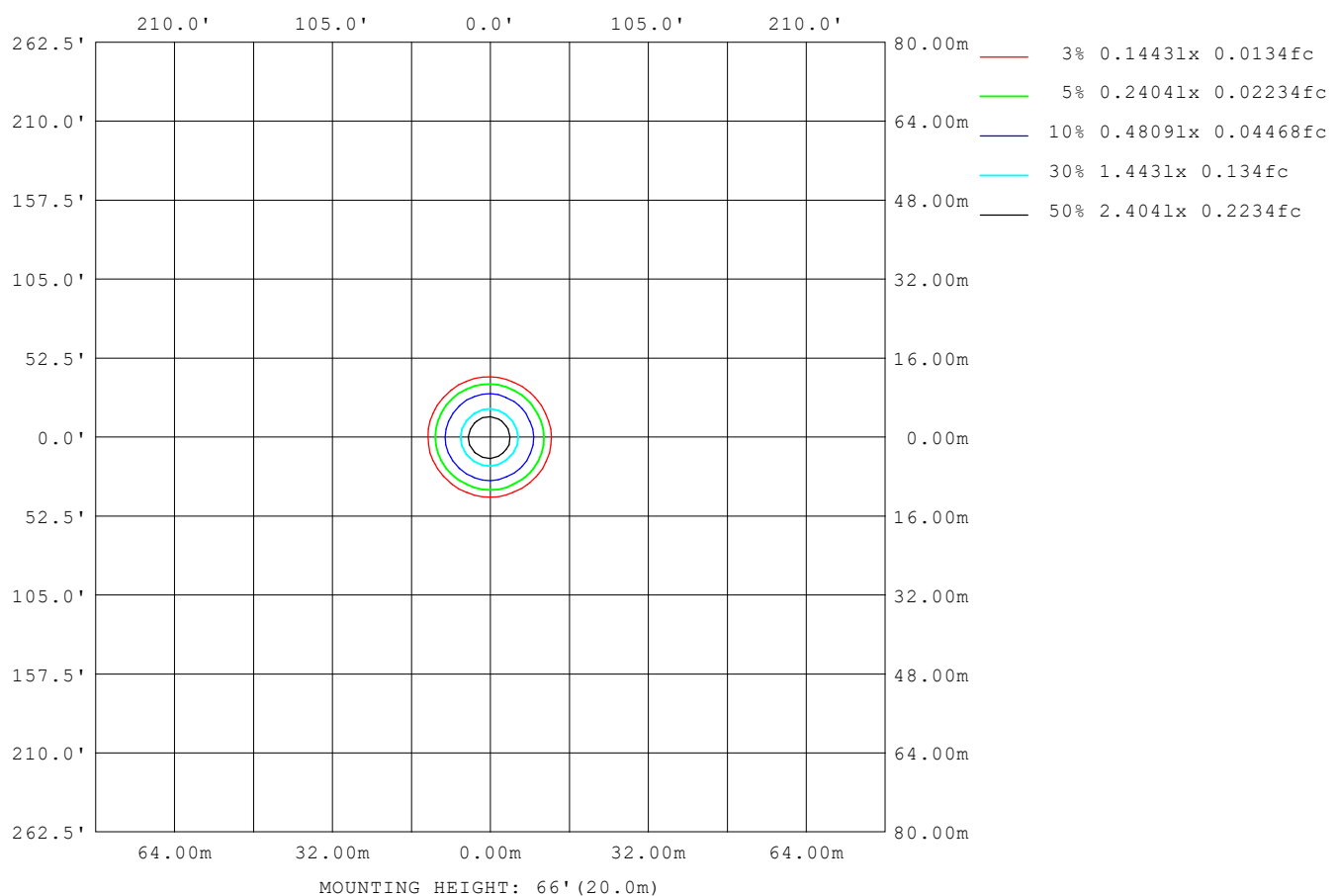


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG	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: 2023-12-29	Remarks: LAMP: BXRH-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103 15R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

ISOLUX DIAGRAM

Test: U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	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: 2023-12-29

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

LED Avg.L Report

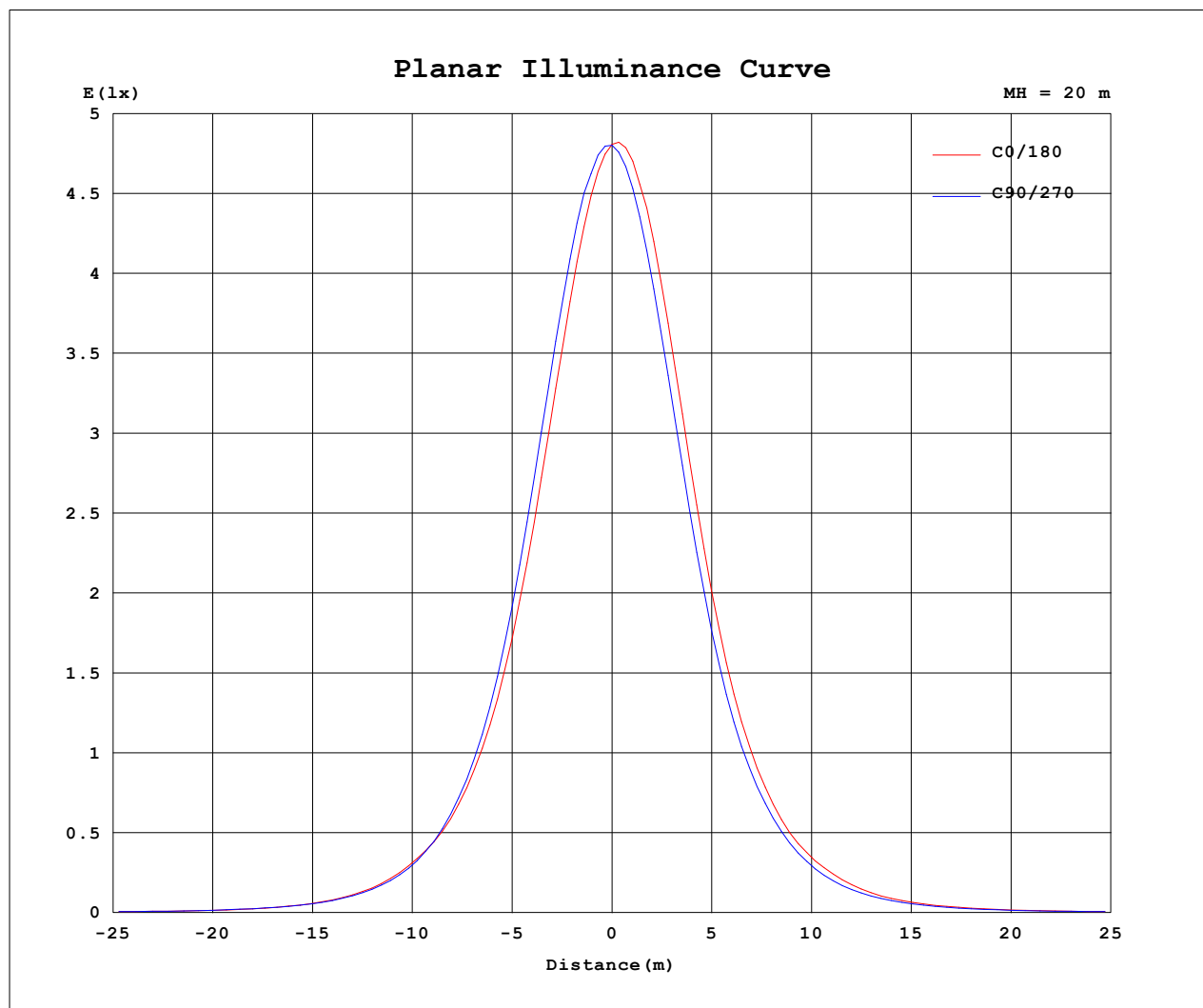
Test:U:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	8759
L_0~180 (75) av	8321
L_0~180 (85) av	2262
L_90~270 (65) av	8524
L_90~270 (75) av	8190
L_90~270 (85) av	2204
L_45 (65) av	8652
L_45 (75) av	8329
L_45 (85) av	3171

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: 2023-12-29	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: BXRH-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: 2023-12-29

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: BXRH-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:120.15V I:0.0958A P:11.383W PF:0.9871 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-15-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291383
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	1923	1923	1923	1923	1923	1923	1923	1923	1923	1923	1923	1923						
5	1648	1682	1702	1748	1772	1795	1783	1745	1724	1678	1657	1636						
10	1140	1180	1205	1262	1294	1321	1306	1258	1229	1174	1147	1125						
15	676	701	715	752	777	798	791	757	732	693	673	662						
20	377	388	388	404	417	434	437	419	403	381	370	365						
25	210	214	203	208	213	227	233	224	217	202	199	199						
30	113	115	107	107	110	121	128	122	114	106	104	106						
35	59.0	59.5	56.7	56.9	58.4	62.6	65.6	63.6	59.9	56.1	54.8	55.6						
40	31.7	32.2	31.5	32.0	32.8	34.6	35.8	34.9	33.3	31.3	30.6	30.6						
45	18.3	18.8	18.7	19.4	19.8	20.6	21.0	20.6	19.9	18.8	18.5	18.2						
50	13.3	13.2	13.1	13.3	13.6	14.1	14.3	14.1	13.8	13.4	13.2	13.2						
55	11.8	11.7	11.5	11.4	11.6	12.0	12.1	12.2	12.0	11.8	11.8	11.8						
60	10.6	10.4	10.3	10.3	10.5	10.8	11.0	11.0	10.8	10.6	10.6	10.6						
65	9.39	9.29	9.19	9.19	9.39	9.68	9.87	9.85	9.73	9.55	9.51	9.43						
70	7.41	7.39	7.38	7.53	7.80	8.11	8.25	8.17	7.99	7.73	7.57	7.46						
75	5.25	5.26	5.29	5.49	5.75	5.99	5.95	6.00	5.83	5.54	5.41	5.28						
80	3.05	3.22	3.16	3.18	3.56	3.53	3.26	3.45	3.40	2.99	3.10	3.16						
85	0.53	0.80	0.78	0.63	0.80	0.79	0.50	0.61	0.57	0.37	0.59	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: 2023-12-29

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

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30minutes warm-up