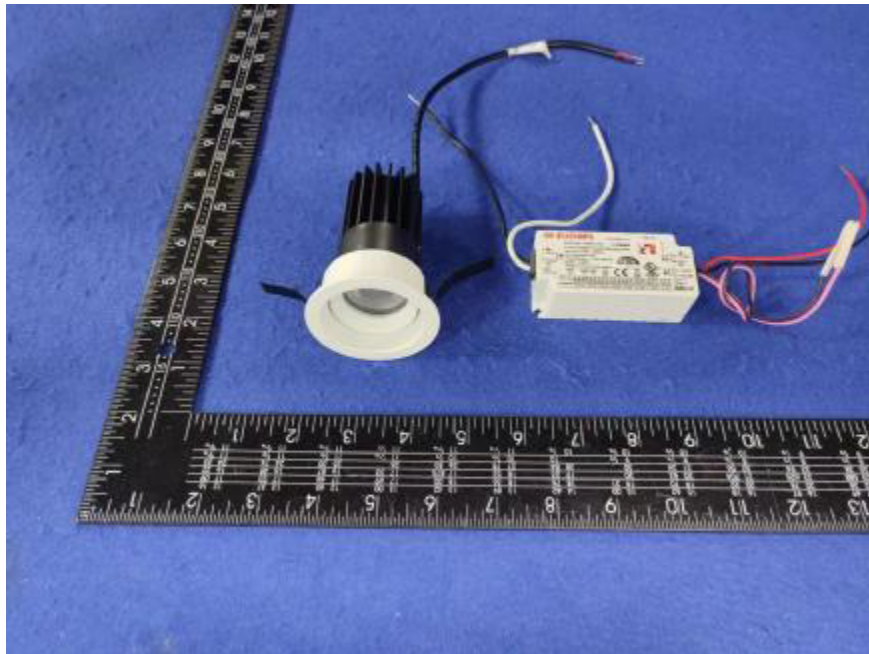


CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60

Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	58.1%	
Luminaire Power:	11.3 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: 2023-12-25

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
30 minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

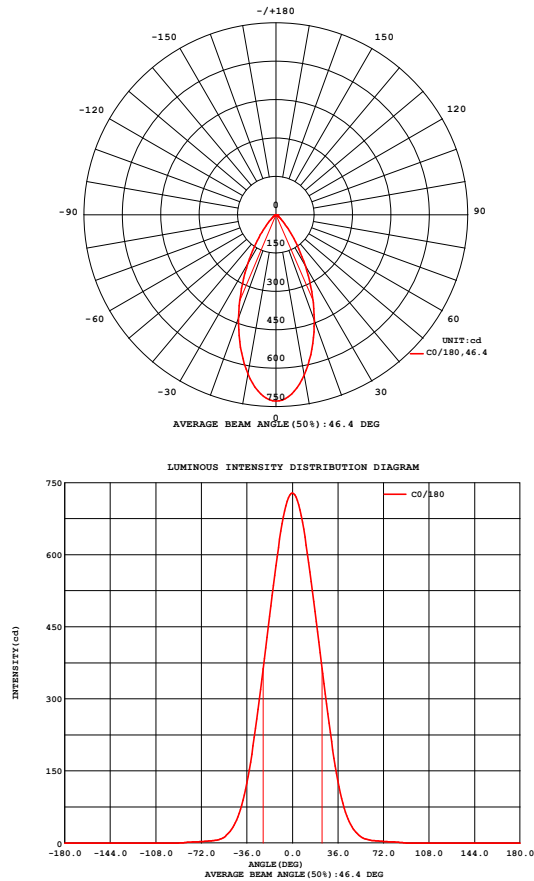


Fig. C0/C180

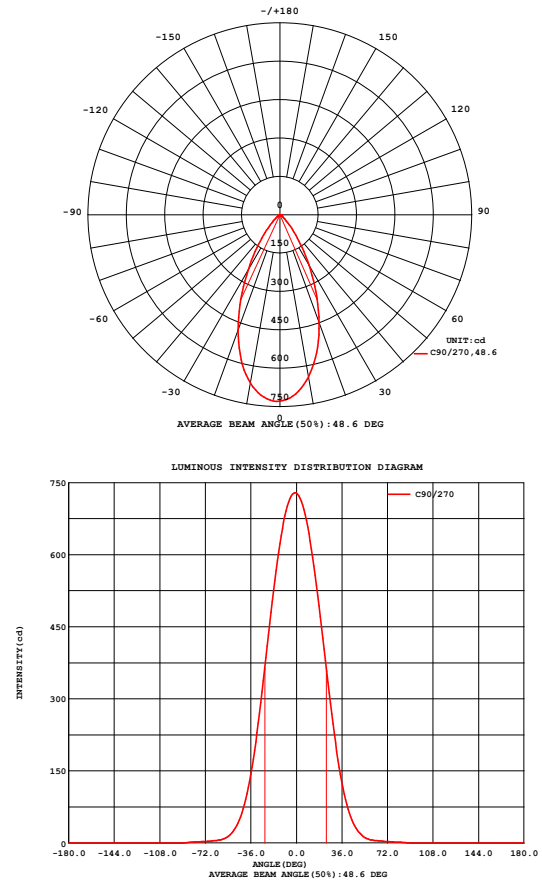


Fig. C90/C270

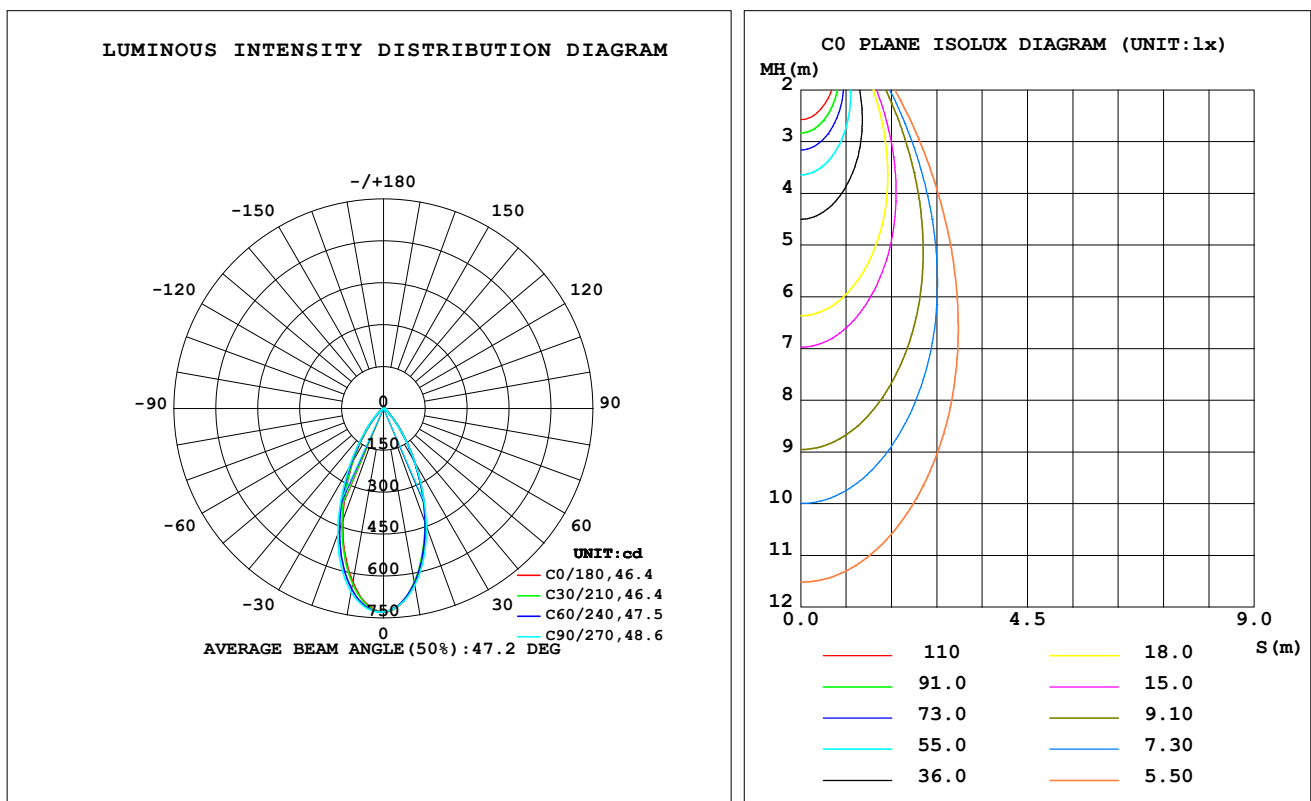
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m ²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 45.93 lm/W
MODEL	Bridgelux	I _{max} (cd)	728.9	S/MH (C0/180)	0.72	
NOMINAL POWER (W)	11	LOR (%)	58.1	S/MH (C90/270)	0.78	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	518.88	☒ UP, DN (C0-180)	0.0, 28.5	
NOMINAL FLUX (lm)	893.4	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 29.6	
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE (V)	120	☒ down (%)	58.1	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: 2023-12-25

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:

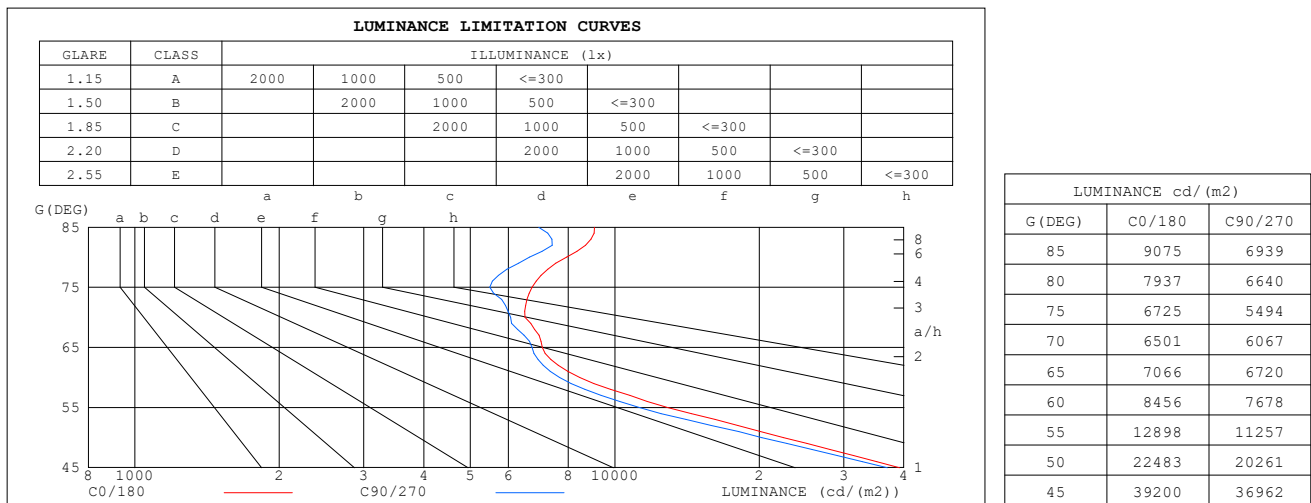
°	C0	C45	C90	C135	C180	C225	C270	C315	°	zone	total	%lum,lamp
10	636.7	634.1	643.6	640.9	632.4	647.8	667.7	658.0	0- 10	65.45	65.45	12.6,7.33
20	439.4	434.7	448.9	442.2	427.7	448.8	479.7	468.1	10- 20	153.6	219.1	42.2,24.5
30	230.2	224.2	227.9	224.5	220.3	232.6	249.7	244.1	20- 30	153.1	372.2	71.7,41.7
40	82.87	79.60	80.04	78.88	78.67	84.57	90.77	87.91	30- 40	91.90	464.1	89.4,51.9
50	22.94	21.87	20.71	20.68	21.46	22.65	23.66	23.49	40- 50	35.49	499.6	96.3,55.9
60	6.711	6.441	6.105	5.977	5.943	6.245	6.626	6.727	50- 60	10.78	510.4	98.4,57.1
70	3.529	3.420	3.300	3.207	3.153	3.277	3.449	3.533	60- 70	4.594	514.9	99.2,57.6
80	2.188	2.134	1.834	1.961	1.916	2.011	2.150	2.204	70- 80	2.790	517.7	99.8,58
90	0	0	0	0	0	0	0	0	80- 90	1.141	518.9	100,58.1
100	0	0	0	0	0	0	0	0	90-100	0	518.9	100,58.1
110	0	0	0	0	0	0	0	0	100-110	0	518.9	100,58.1
120	0	0	0	0	0	0	0	0	110-120	0	518.9	100,58.1
130	0	0	0	0	0	0	0	0	120-130	0	518.9	100,58.1
140	0	0	0	0	0	0	0	0	130-140	0	518.9	100,58.1
150	0	0	0	0	0	0	0	0	140-150	0	518.9	100,58.1
160	0	0	0	0	0	0	0	0	150-160	0	518.9	100,58.1
170	0	0	0	0	0	0	0	0	160-170	0	518.9	100,58.1
180	0	0	0	0	0	0	0	0	170-180	0	518.9	100,58.1
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:2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux: 893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



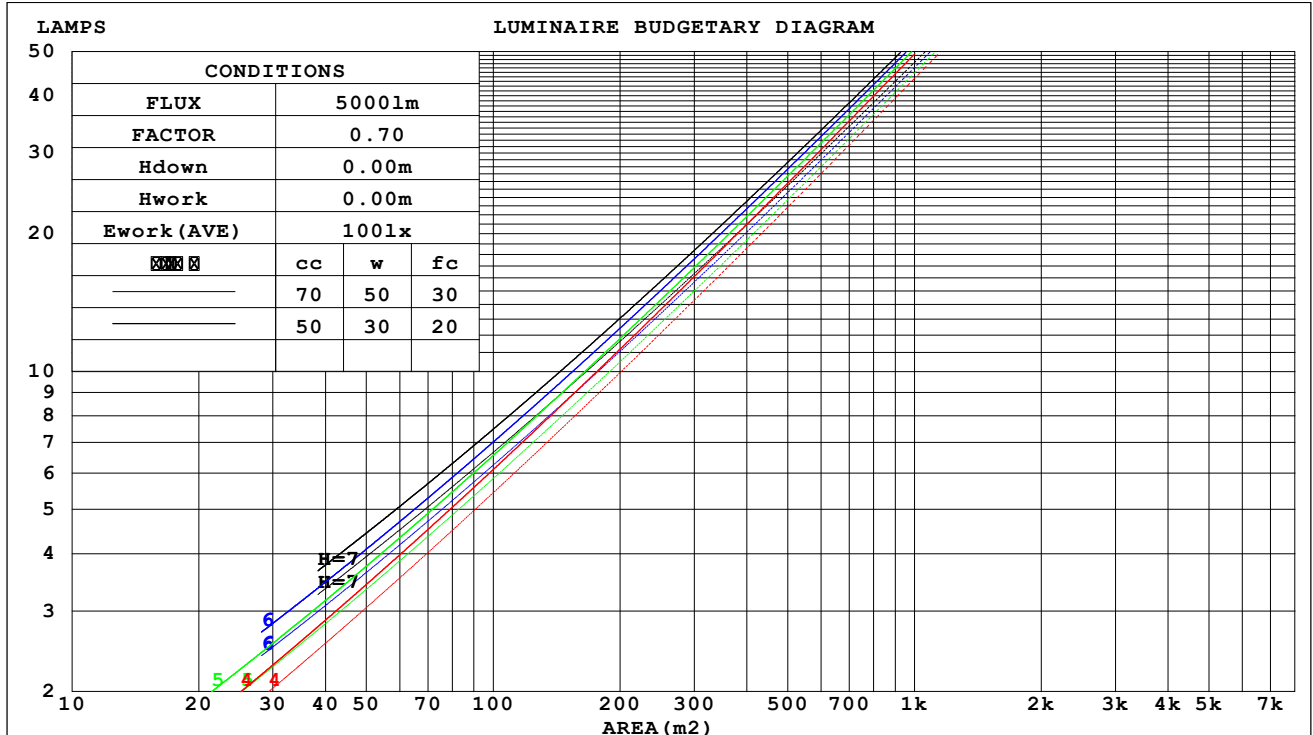
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 60°
Test Speed: HIGH
Temperature: 77.54 °F
Operators: zoe
Test Date: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
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	.69	.69	.69	.68	.68	.68	.65	.65	.65	.62	.62	.62	.59	.59	.59	.58														
1.0	.64	.63	.61	.63	.62	.60	.61	.60	.59	.58	.58	.57	.56	.56	.55	.54														
2.0	.60	.57	.55	.59	.57	.55	.57	.55	.54	.55	.54	.52	.53	.52	.51	.50														
3.0	.56	.53	.50	.55	.52	.50	.53	.51	.49	.52	.50	.48	.51	.49	.48	.47														
4.0	.52	.49	.46	.51	.48	.46	.50	.48	.46	.49	.47	.45	.48	.46	.44	.44														
5.0	.49	.45	.43	.48	.45	.43	.47	.44	.42	.46	.44	.42	.45	.43	.42	.41														
6.0	.46	.42	.40	.45	.42	.40	.45	.42	.40	.44	.41	.39	.43	.41	.39	.38														
7.0	.43	.40	.37	.43	.40	.37	.42	.39	.37	.41	.39	.37	.41	.38	.37	.36														
8.0	.41	.37	.35	.41	.37	.35	.40	.37	.35	.39	.37	.35	.39	.36	.35	.34														
9.0	.39	.35	.33	.38	.35	.33	.38	.35	.33	.37	.35	.33	.37	.34	.33	.32														
10.0	.37	.33	.31	.36	.33	.31	.36	.33	.31	.36	.33	.31	.35	.33	.31	.30														



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 60°

Test Speed: HIGH

Temperature: 77.54 °F

Operators: zoe

Test Date: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
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	.106	.060	.019	.102	.058	.018	.094	.054	.017	.088	.051	.016	.082	.047	.015	
2.0	.101	.055	.017	.097	.054	.017	.091	.051	.016	.086	.048	.015	.080	.045	.014	
3.0	.095	.051	.015	.093	.050	.015	.087	.047	.014	.083	.045	.014	.078	.043	.013	
4.0	.091	.047	.014	.088	.046	.014	.084	.044	.013	.079	.043	.013	.075	.041	.012	
5.0	.086	.044	.013	.084	.043	.013	.080	.042	.012	.076	.040	.012	.073	.039	.012	
6.0	.082	.041	.012	.080	.040	.012	.077	.039	.011	.073	.038	.011	.070	.037	.011	
7.0	.078	.039	.011	.076	.038	.011	.073	.037	.011	.071	.036	.011	.068	.035	.010	
8.0	.075	.036	.010	.073	.036	.010	.070	.035	.010	.068	.034	.010	.065	.034	.010	
9.0	.071	.035	.010	.070	.034	.010	.068	.033	.009	.065	.033	.009	.063	.032	.009	
10.0	.068	.033	.009	.067	.032	.009	.065	.032	.009	.063	.031	.009	.061	.031	.009	

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	.111	.111	.111	.095	.095	.095	.065	.065	.065	.037	.037	.037	.012	.012	.012	
1.0	.100	.091	.084	.085	.078	.072	.058	.054	.050	.034	.031	.029	.011	.010	.009	
2.0	.091	.077	.065	.078	.066	.056	.053	.046	.039	.031	.027	.023	.010	.009	.008	
3.0	.084	.066	.052	.072	.057	.045	.049	.040	.032	.028	.023	.019	.009	.007	.006	
4.0	.078	.057	.042	.067	.050	.036	.046	.035	.026	.027	.020	.015	.009	.007	.005	
5.0	.073	.051	.034	.062	.044	.030	.043	.031	.021	.025	.018	.013	.008	.006	.004	
6.0	.068	.045	.029	.059	.039	.025	.041	.027	.018	.024	.016	.011	.008	.005	.003	
7.0	.065	.041	.024	.056	.035	.021	.038	.025	.015	.022	.015	.009	.007	.005	.003	
8.0	.061	.037	.021	.053	.032	.018	.036	.023	.013	.021	.013	.008	.007	.004	.003	
9.0	.058	.034	.018	.050	.030	.016	.035	.021	.011	.020	.012	.007	.007	.004	.002	
10.0	.055	.032	.016	.048	.028	.014	.033	.019	.010	.019	.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: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm											
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60						TYPE:		WEIGHT:			
SPEC.: 3000K						DIM.:		SERIAL No.: 2312251377			
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	20.7	21.6	20.9	21.8	22.0	20.5	21.4	20.7	21.6	21.8
	3H	20.7	21.5	20.9	21.7	21.9	20.4	21.3	20.7	21.5	21.7
	4H	20.7	21.5	20.9	21.7	21.9	20.4	21.3	20.7	21.5	21.7
	6H	20.7	21.5	21.0	21.7	22.0	20.4	21.2	20.7	21.5	21.7
	8H	20.7	21.5	21.0	21.7	22.0	20.5	21.2	20.8	21.5	21.7
	12H	20.7	21.5	21.1	21.7	22.0	20.5	21.2	20.8	21.4	21.7
4H	2H	20.5	21.3	20.8	21.6	21.8	20.3	21.1	20.6	21.4	21.6
	3H	20.5	21.3	20.9	21.5	21.8	20.3	21.1	20.7	21.3	21.6
	4H	20.6	21.2	20.9	21.5	21.8	20.4	21.0	20.7	21.3	21.6
	6H	20.7	21.3	21.1	21.6	21.9	20.4	21.0	20.8	21.3	21.7
	8H	20.8	21.3	21.2	21.7	22.0	20.5	21.0	20.9	21.4	21.7
	12H	20.8	21.3	21.2	21.7	22.1	20.5	21.0	20.9	21.4	21.8
8H	4H	20.5	21.1	20.9	21.4	21.8	20.3	20.8	20.7	21.2	21.6
	6H	20.7	21.1	21.1	21.5	22.0	20.5	20.9	20.9	21.3	21.7
	8H	20.8	21.2	21.3	21.6	22.1	20.6	21.0	21.0	21.4	21.8
	12H	21.0	21.3	21.4	21.7	22.2	20.7	21.0	21.1	21.4	21.9
12H	4H	20.5	21.0	20.9	21.4	21.7	20.3	20.8	20.7	21.1	21.5
	6H	20.7	21.1	21.2	21.5	21.9	20.5	20.8	20.9	21.3	21.7
	8H	20.9	21.2	21.3	21.6	22.1	20.6	20.9	21.1	21.4	21.8
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 2.2 / - 3.6					+ 2.3 / - 3.9					
1.5H	+ 3.8 / - 3.4					+ 3.8 / - 3.6					
2.0H	+ 3.8 / - 2.1					+ 3.9 / - 2.1					

CIE Pub.117, 893.4 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: 2023-12-25

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

UTILIZATION FACTORS TABLE

Test:U:120.22V I:0.0951A P:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

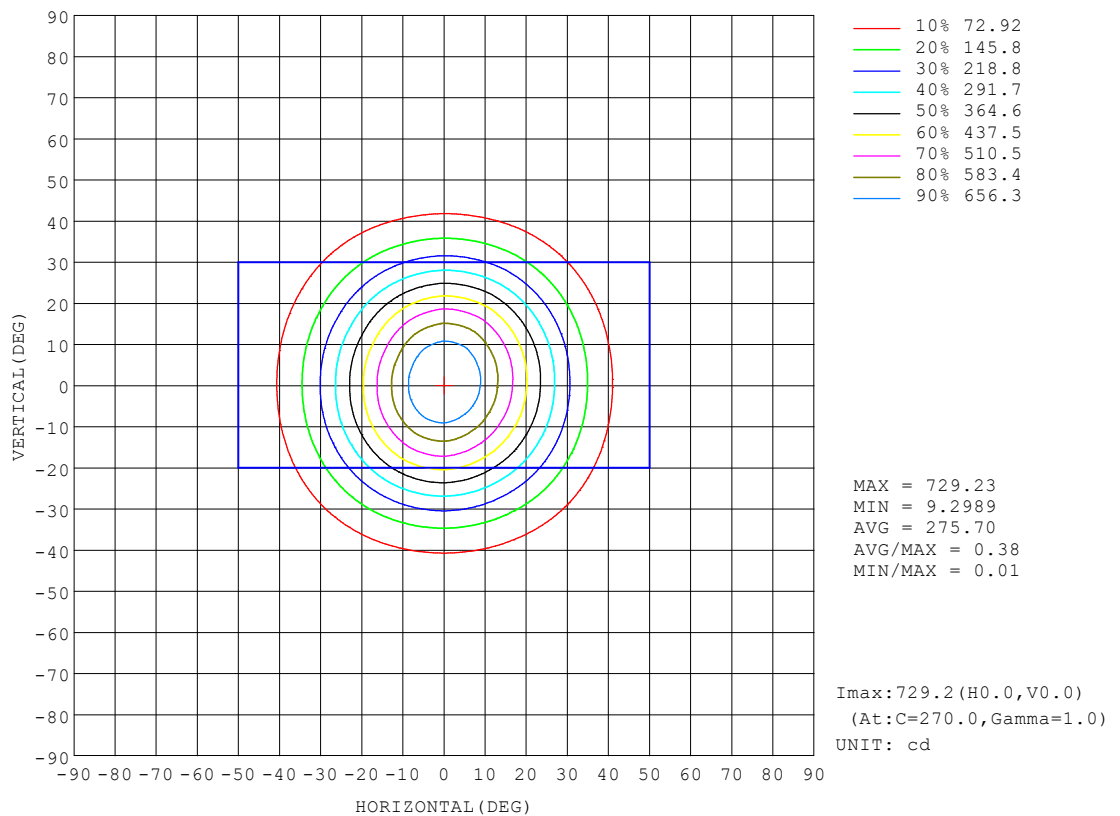
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	49	45	43	49	45	43	49	45	43	41
0.80	54	50	48	53	50	48	53	50	48	45
1.00	57	53	51	56	53	51	55	53	50	48
1.25	59	56	54	59	56	54	57	55	53	51
1.50	61	58	56	60	57	56	59	57	55	52
2.00	63	60	58	62	59	58	60	58	57	54
2.50	64	61	59	63	61	59	61	59	58	54
3.00	65	62	61	64	62	60	62	60	59	55
4.00	66	64	63	65	63	62	62	61	60	56
5.00	67	65	64	65	64	63	63	62	61	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: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

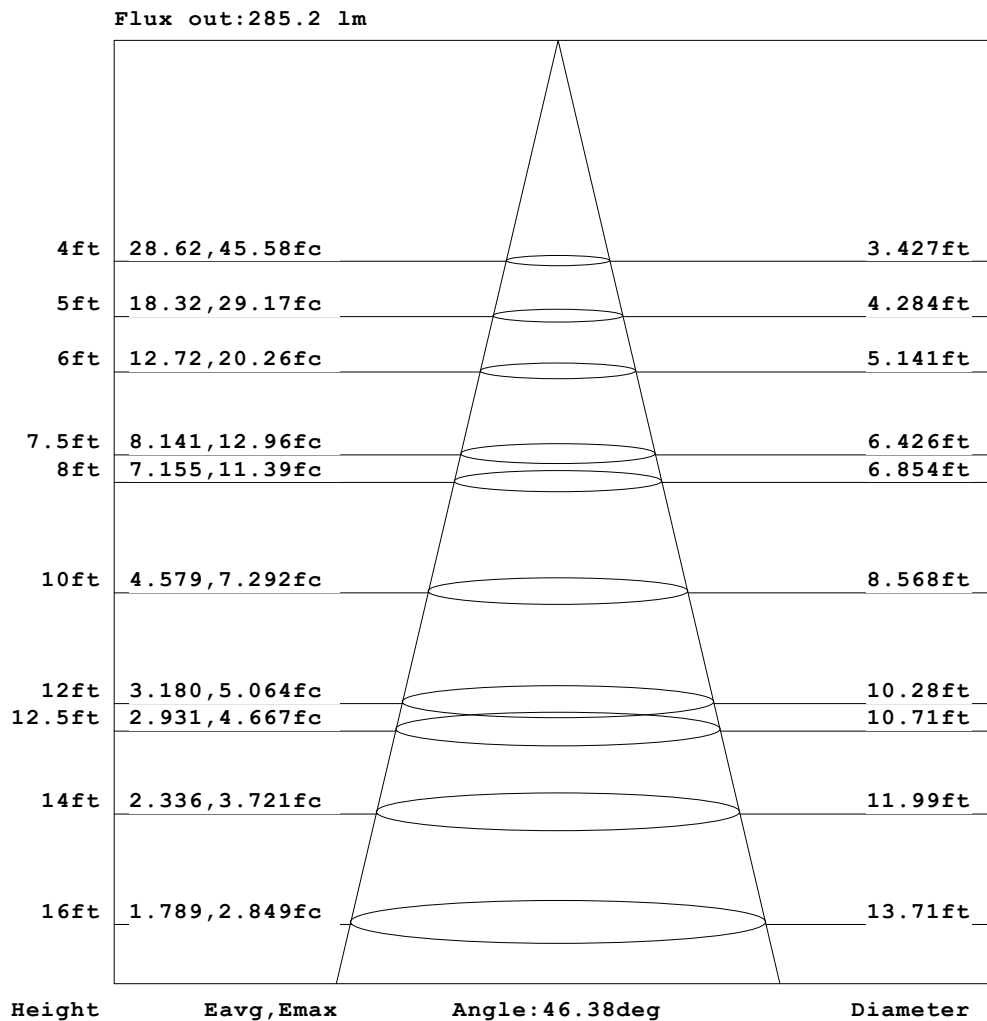


C Range: 0 - 360DEG
 C Interval: For a lens beam angle of 60°
 Test Speed: HIGH
 Temperature: 77.54 °F
 Operators: zoe
 Test Date: 2023-12-25

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:120.22V I:0.0951A P:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



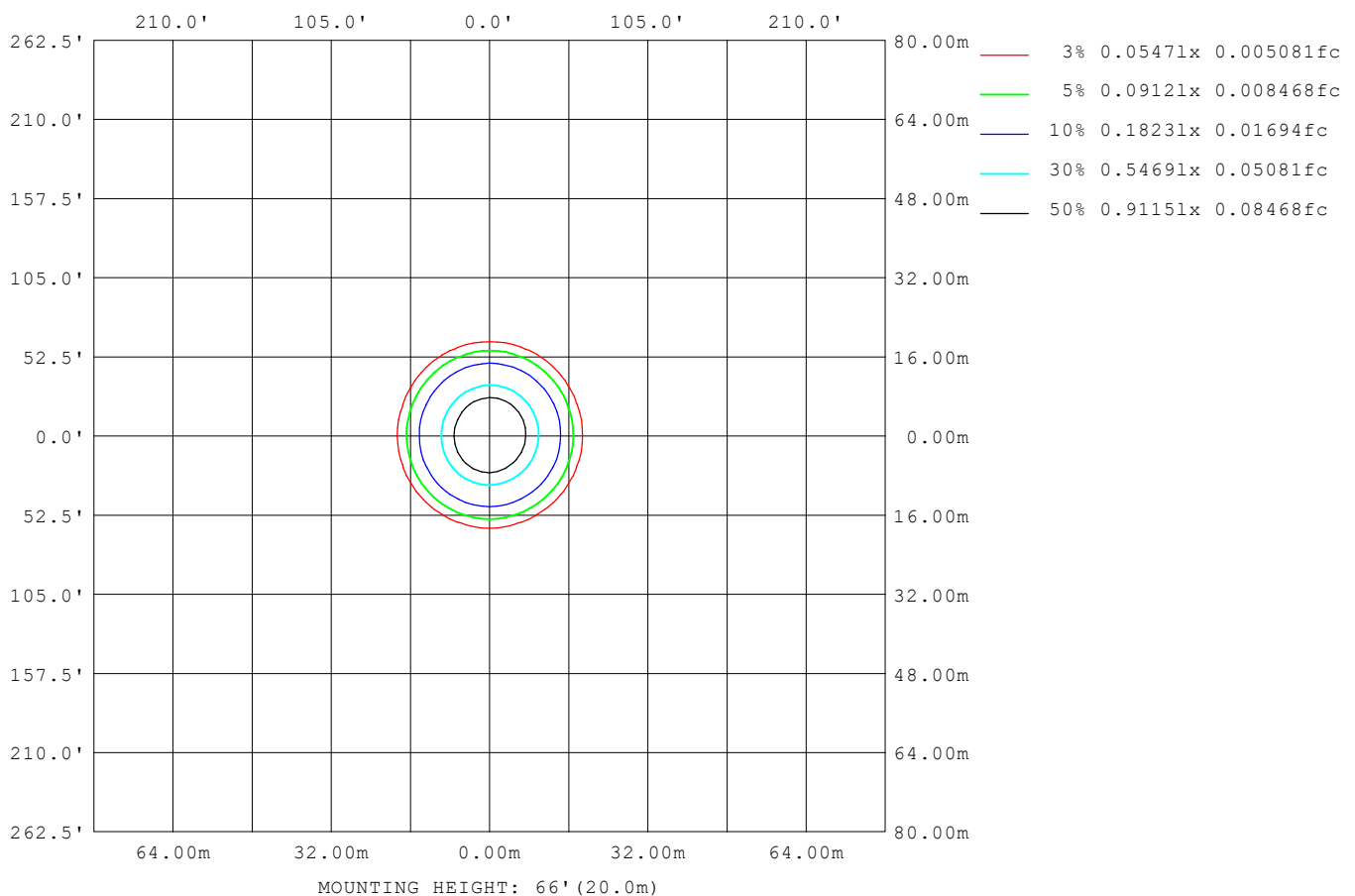
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: For a lens beam angle of 60°
 Test Speed: HIGH
 Temperature: 77.54 °F
 Operators: zoe
 Test Date: 2023-12-25

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:120.22V I:0.0951A P:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux: 893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
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: 2023-12-25

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:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

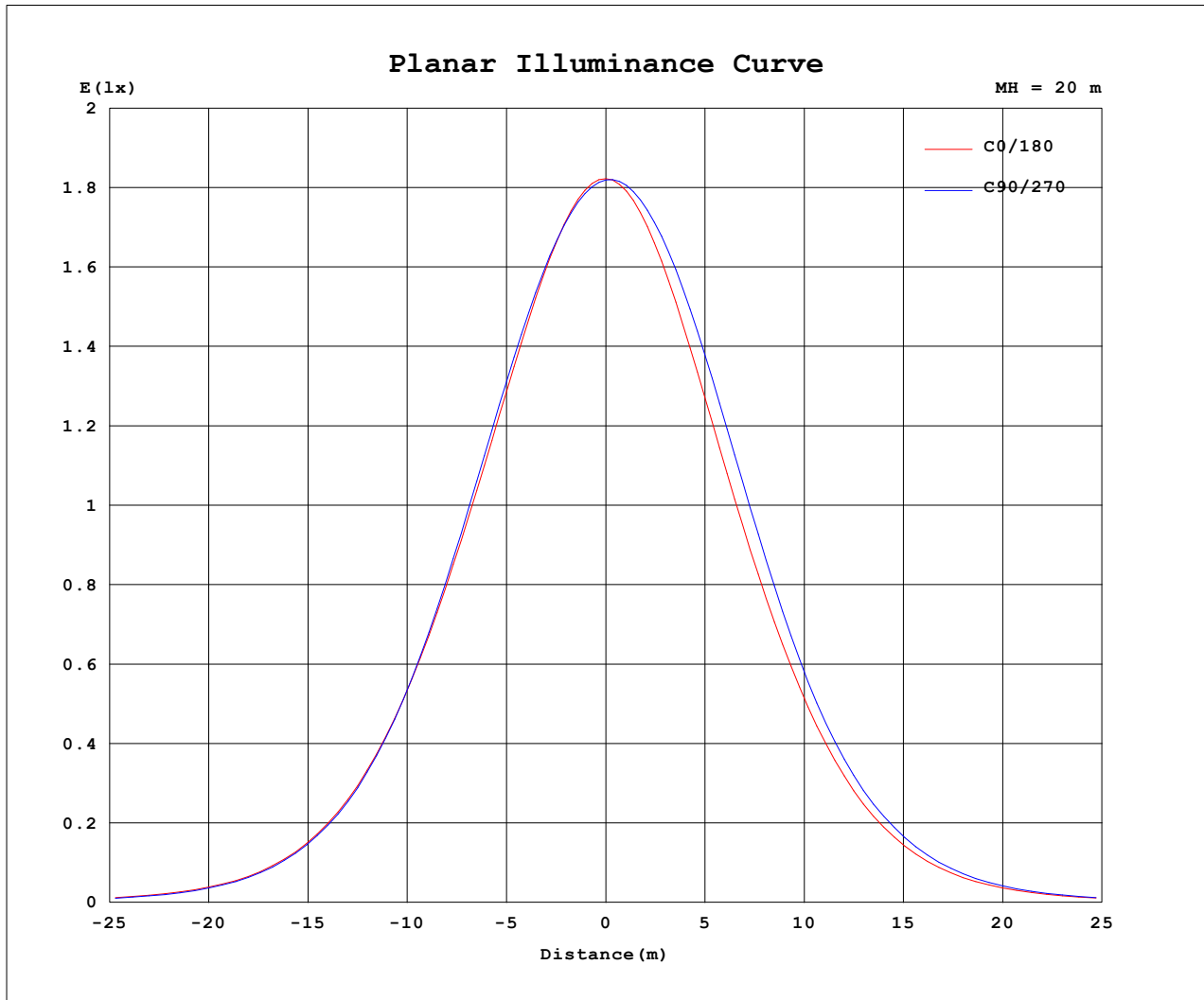
AvgL	cd/m2
L_0~180 (65) av	6769
L_0~180 (75) av	6344
L_0~180 (85) av	7746
L_90~270 (65) av	6838
L_90~270 (75) av	6042
L_90~270 (85) av	7678
L_45 (65) av	6811
L_45 (75) av	6416
L_45 (85) av	7815

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: 2023-12-25

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

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: 2023-12-25

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:120.22V I:0.0951A P:11.297W PF:0.9869 Freq:59.98Hz Lamp Flux:893.4x1 lm		
NAME: CTL-MPS-1.5-RD-TF/TL-SH-SG-DW-60	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312251377
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	704	701	700	703	704	703	702	705	713	716	715	709						
10	637	633	635	644	644	638	632	639	657	668	666	650						
15	544	538	544	556	556	545	536	544	570	586	584	563						
20	439	433	436	449	448	437	428	436	462	480	478	458						
25	331	325	326	334	333	325	320	326	347	361	361	346						
30	230	225	223	228	226	223	220	225	240	250	249	239						
35	145	141	139	142	141	139	138	142	152	158	157	151						
40	82.9	80.4	78.8	80.0	79.2	78.6	78.7	81.8	87.3	90.8	89.8	86.0						
45	44.0	43.1	41.6	41.6	41.2	41.6	42.0	43.2	46.2	47.7	47.4	45.3						
50	22.9	22.5	21.2	20.7	20.3	21.0	21.5	22.0	23.3	23.7	23.7	23.3						
55	11.7	11.4	10.7	10.3	10.1	10.2	10.4	10.8	11.3	11.6	11.8	11.8						
60	6.71	6.57	6.31	6.10	5.98	5.98	5.94	6.07	6.42	6.63	6.74	6.71						
65	4.74	4.69	4.60	4.52	4.44	4.40	4.35	4.41	4.55	4.67	4.75	4.76						
70	3.53	3.46	3.38	3.30	3.23	3.18	3.15	3.21	3.34	3.45	3.52	3.55						
75	2.76	2.72	2.65	2.26	2.52	2.48	2.46	2.50	2.62	2.71	2.77	2.78						
80	2.19	2.16	2.11	1.83	1.98	1.94	1.92	1.96	2.06	2.15	2.20	2.21						
85	1.26	1.21	1.10	0.96	0.93	0.90	0.89	0.94	1.07	1.17	1.24	1.26						
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: 2023-12-25

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Test Distance: 124.409" [K=1.0000]

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LENS: PM-1103C 50R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up