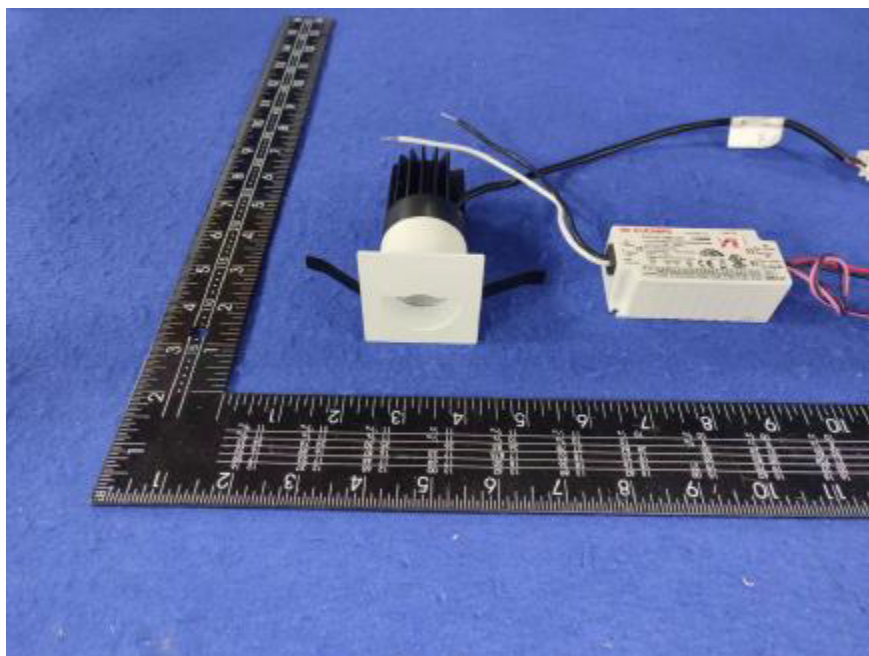


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	31.2%	
Luminaire Power:	11.24 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG
C Interval: For a lens beam angle of 15°
Test Speed: HIGH
Temperature: 25.3
Operators: zoe
Test Date: 2023-12-30

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103 15R
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

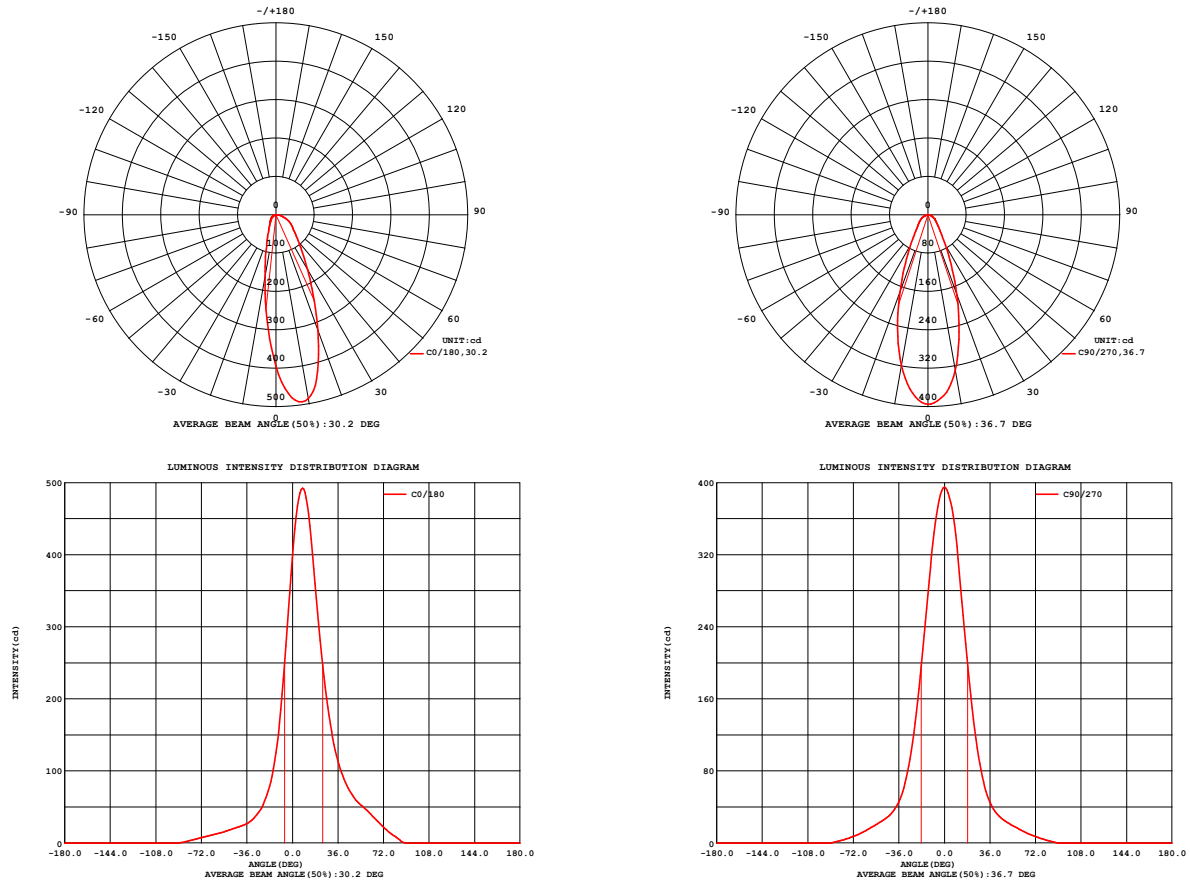


Fig. C0/C180

Fig. C90/C270

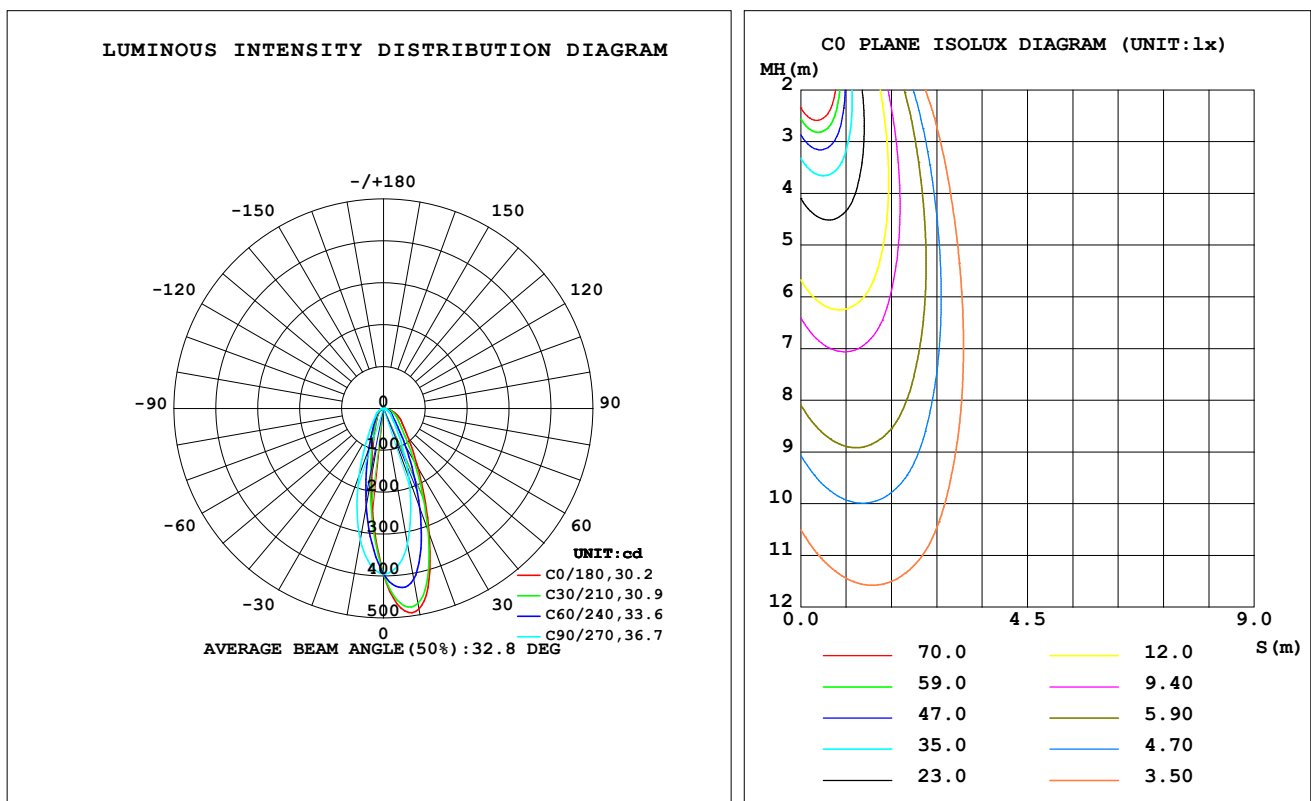
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 15°
Test Speed: HIGH
Temperature: 25.3
Operators: zoe
Test Date: 2023-12-30

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90
LENS: PM-1103 15R
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 24.70 lm/W			
MODEL	Bridgelux	I _{max} (cd)	492.1	S/MH (C0/180)	0.29
NOMINAL POWER (W)	11	LOR (%)	31.2	S/MH (C90/270)	0.59
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	277.56	☒ UP, DN (C0-180)	0.0, 17.3
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 13.9
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	☒ down (%)	31.2	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3

Operators: zoe

Test Date: 2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 3.160m [K=1.0000]

Remarks: LAMP: BXRV-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R

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	486.2	442.7	329.2	210.0	166.7	211.0	319.0	435.7	0- 10	34.23	34.23	12.3,3.85
20	319.5	281.7	176.7	87.20	67.24	88.57	171.2	269.3	10- 20	69.86	104.1	37.5,11.7
30	165.2	128.0	73.69	42.51	34.84	43.10	72.01	123.1	20- 30	57.73	161.8	58.3,18.2
40	92.94	60.65	35.45	26.71	23.91	27.03	35.95	61.62	30- 40	38.19	200.0	72.1,22.5
50	59.82	37.69	22.59	19.24	17.81	19.62	23.66	39.08	40- 50	27.92	227.9	82.1,25.6
60	43.62	26.66	14.84	13.05	12.54	13.17	15.43	27.39	50- 60	22.27	250.2	90.1,28.1
70	25.47	15.59	8.182	8.130	8.015	8.063	8.288	15.70	60- 70	16.02	266.2	95.9,29.9
80	10.55	6.528	3.541	3.732	3.667	3.642	3.410	6.464	70- 80	8.922	275.1	99.1,30.9
90	0	0	0	0	0	0	0	0	80- 90	2.417	277.6	100,31.2
100	0	0	0	0	0	0	0	0	90-100	0	277.6	100,31.2
110	0	0	0	0	0	0	0	0	100-110	0	277.6	100,31.2
120	0	0	0	0	0	0	0	0	110-120	0	277.6	100,31.2
130	0	0	0	0	0	0	0	0	120-130	0	277.6	100,31.2
140	0	0	0	0	0	0	0	0	130-140	0	277.6	100,31.2
150	0	0	0	0	0	0	0	0	140-150	0	277.6	100,31.2
160	0	0	0	0	0	0	0	0	150-160	0	277.6	100,31.2
170	0	0	0	0	0	0	0	0	160-170	0	277.6	100,31.2
180	0	0	0	0	0	0	0	0	170-180	0	277.6	100,31.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:3.160m [K=1.0000]

Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90

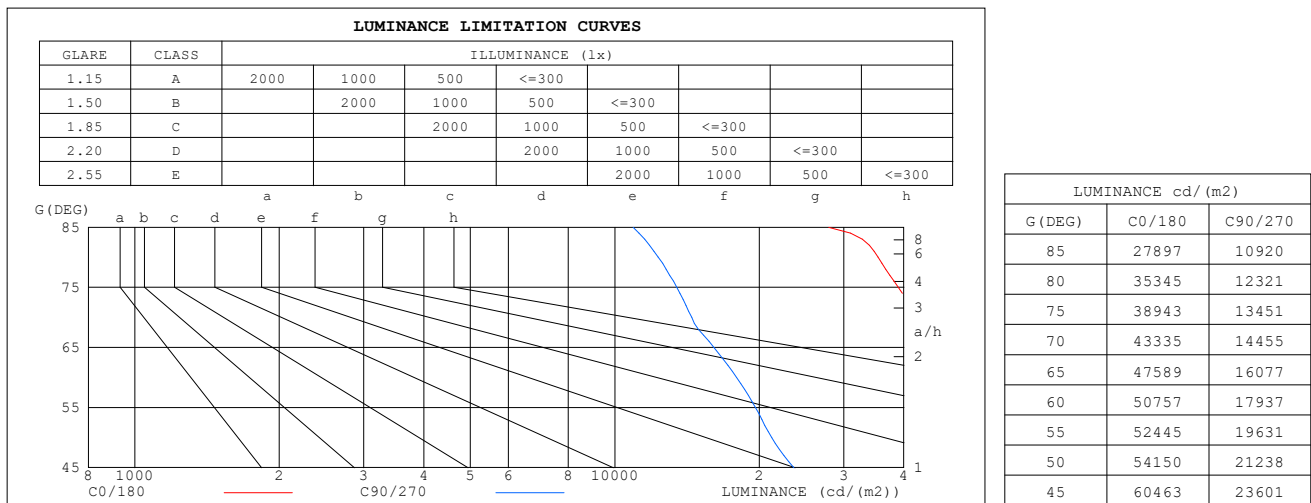
LENS:PM-1103 15R

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test: U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:


C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3

Operators: zoe

Test Date: 2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 3.160m [K=1.0000]

Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R

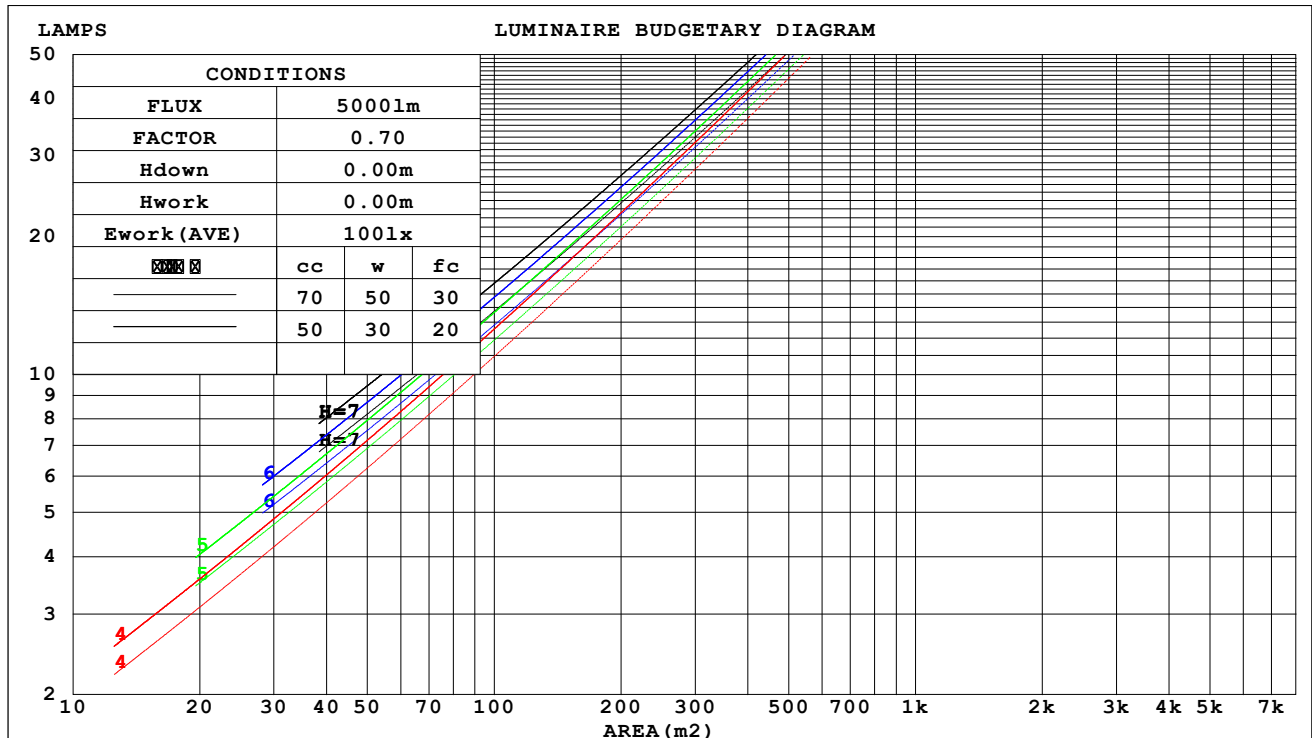
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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	.37	.37	.37	.36	.36	.36	.35	.35	.35	.33	.33	.33	.32	.32	.32	.31														
1.0	.34	.33	.32	.33	.32	.31	.32	.31	.30	.31	.30	.29	.30	.29	.29	.28														
2.0	.31	.29	.28	.30	.29	.27	.29	.28	.27	.28	.27	.26	.27	.26	.26	.25														
3.0	.28	.26	.25	.28	.26	.25	.27	.25	.24	.26	.25	.24	.25	.24	.23	.23														
4.0	.26	.24	.22	.26	.24	.22	.25	.23	.22	.24	.23	.22	.24	.22	.21	.21														
5.0	.24	.22	.20	.24	.22	.20	.23	.21	.20	.23	.21	.20	.22	.21	.20	.19														
6.0	.22	.20	.19	.22	.20	.19	.22	.20	.19	.21	.20	.18	.21	.19	.18	.18														
7.0	.21	.19	.17	.21	.19	.17	.20	.19	.17	.20	.18	.17	.20	.18	.17	.17														
8.0	.20	.18	.16	.20	.18	.16	.19	.17	.16	.19	.17	.16	.19	.17	.16	.16														
9.0	.19	.17	.15	.19	.17	.15	.18	.16	.15	.18	.16	.15	.18	.16	.15	.15														
10.0	.18	.16	.14	.18	.16	.14	.17	.16	.14	.17	.15	.14	.17	.15	.14	.14														



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature: 25.3

Operators: zoe

Test Date: 2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 3.160m [K=1.0000]

Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

WEC AND CCEC

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	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	.071	.040	.013	.069	.039	.013	.065	.037	.012	.061	.035	.011	.058	.034	.011	
2.0	.067	.037	.011	.065	.036	.011	.062	.034	.011	.059	.033	.010	.056	.032	.010	
3.0	.063	.033	.010	.061	.033	.010	.058	.031	.010	.055	.030	.009	.053	.029	.009	
4.0	.058	.030	.009	.057	.030	.009	.054	.029	.009	.052	.028	.008	.050	.027	.008	
5.0	.055	.028	.008	.053	.027	.008	.051	.027	.008	.049	.026	.008	.047	.025	.008	
6.0	.051	.026	.007	.050	.025	.007	.048	.025	.007	.046	.024	.007	.044	.023	.007	
7.0	.048	.024	.007	.047	.023	.007	.045	.023	.007	.044	.022	.007	.042	.022	.006	
8.0	.045	.022	.006	.045	.022	.006	.043	.021	.006	.041	.021	.006	.040	.021	.006	
9.0	.043	.021	.006	.042	.021	.006	.041	.020	.006	.039	.020	.006	.038	.019	.006	
10.0	.041	.020	.005	.040	.019	.005	.039	.019	.005	.038	.019	.005	.036	.018	.005	

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	.059	.059	.059	.051	.051	.051	.035	.035	.035	.020	.020	.020	.006	.006	.006	
1.0	.055	.049	.044	.047	.042	.038	.032	.029	.026	.018	.017	.015	.006	.005	.005	
2.0	.051	.041	.033	.043	.036	.029	.030	.025	.020	.017	.014	.012	.005	.005	.004	
3.0	.047	.036	.026	.040	.031	.023	.028	.021	.016	.016	.012	.009	.005	.004	.003	
4.0	.044	.031	.021	.038	.027	.018	.026	.019	.013	.015	.011	.008	.005	.004	.003	
5.0	.042	.028	.017	.036	.024	.015	.025	.017	.011	.014	.010	.006	.005	.003	.002	
6.0	.039	.025	.014	.034	.021	.013	.023	.015	.009	.013	.009	.005	.004	.003	.002	
7.0	.037	.022	.012	.032	.019	.011	.022	.014	.008	.013	.008	.005	.004	.003	.001	
8.0	.035	.021	.011	.030	.018	.009	.021	.013	.007	.012	.007	.004	.004	.002	.001	
9.0	.033	.019	.009	.029	.016	.008	.020	.012	.006	.012	.007	.003	.004	.002	.001	
10.0	.032	.018	.008	.027	.015	.007	.019	.011	.005	.011	.006	.003	.004	.002	.001	

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:3.160m [K=1.0000]

Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-M-1.5-DM-15-SQ-WW					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312301481			
MFR.: MERCURY LIGHTING					SUR.: 0.001681m2			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	26.5	27.6	26.7	27.8	28.0	22.0	23.1	22.2	23.3	23.5
	3H	27.9	29.0	28.2	29.2	29.4	22.9	23.9	23.1	24.1	24.3
	4H	28.5	29.5	28.8	29.7	30.0	23.2	24.2	23.5	24.4	24.7
	6H	28.9	29.9	29.2	30.1	30.4	23.5	24.4	23.8	24.7	24.9
	8H	29.1	30.0	29.4	30.2	30.5	23.5	24.4	23.9	24.7	25.0
	12H	29.2	30.0	29.5	30.3	30.6	23.6	24.5	23.9	24.7	25.0
4H	2H	26.7	27.7	26.9	27.9	28.1	23.1	24.1	23.4	24.4	24.6
	3H	28.3	29.2	28.7	29.5	29.8	24.1	25.0	24.4	25.3	25.5
	4H	29.1	29.9	29.4	30.2	30.5	24.5	25.3	24.9	25.6	25.9
	6H	29.6	30.3	30.0	30.7	31.0	24.8	25.5	25.2	25.9	26.2
	8H	29.8	30.5	30.2	30.9	31.2	24.9	25.6	25.3	26.0	26.3
	12H	30.0	30.6	30.4	31.0	31.3	25.0	25.6	25.4	26.0	26.4
8H	4H	29.1	29.8	29.5	30.1	30.5	25.1	25.7	25.5	26.1	26.5
	6H	29.8	30.4	30.3	30.8	31.2	25.5	26.0	25.9	26.4	26.9
	8H	30.1	30.6	30.6	31.0	31.5	25.7	26.1	26.1	26.6	27.0
	12H	30.3	30.7	30.8	31.2	31.6	25.8	26.2	26.2	26.6	27.1
12H	4H	29.1	29.7	29.5	30.1	30.5	25.2	25.8	25.6	26.2	26.5
	6H	29.8	30.3	30.3	30.7	31.2	25.7	26.1	26.1	26.6	27.0
	8H	30.1	30.5	30.6	31.0	31.5	25.8	26.3	26.3	26.7	27.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.4 / - 0.4				
1.5H		+ 0.3 / - 0.4					+ 0.2 / - 0.4				
2.0H		+ 0.4 / - 0.8					+ 0.4 / - 0.7				

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.001681 m2

C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:3.160m [K=1.0000]

Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

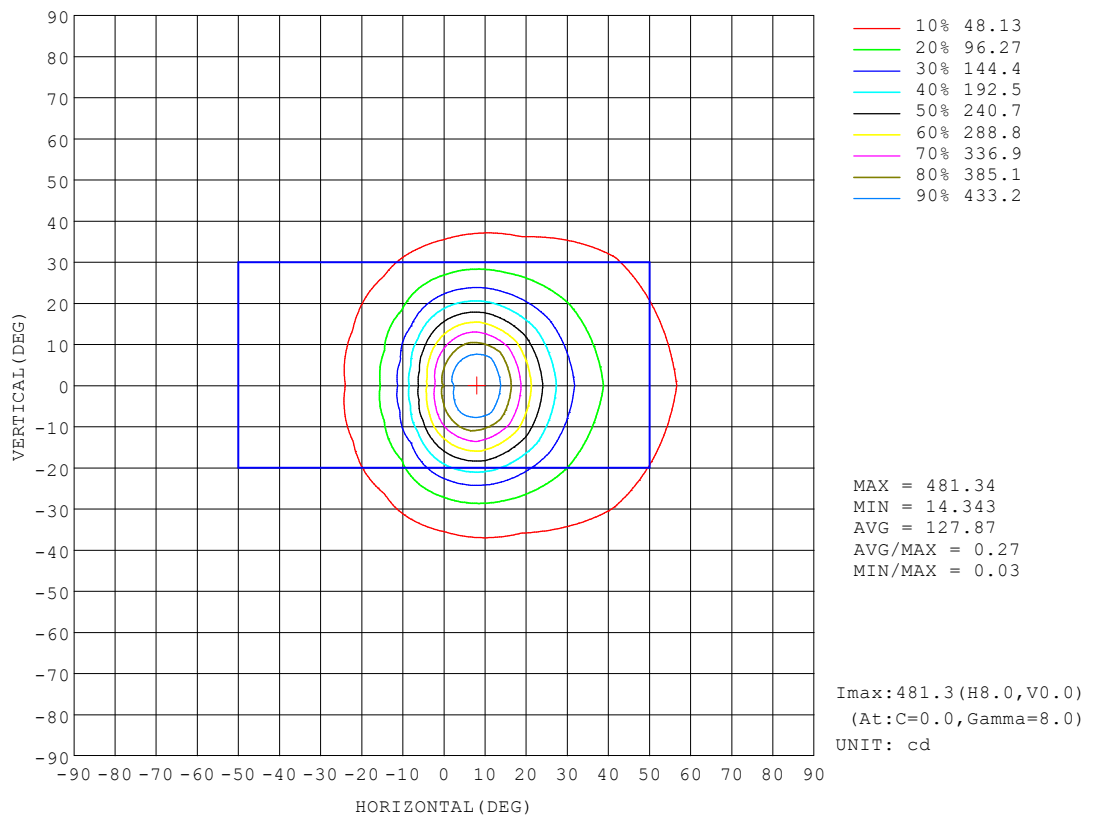
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	23	20	19	23	20	19	23	20	19	17
0.80	26	23	22	26	23	22	25	23	21	20
1.00	28	25	24	27	25	24	27	25	23	22
1.25	29	27	26	29	27	25	28	27	25	23
1.50	31	28	27	30	28	27	29	28	26	25
2.00	32	30	29	32	30	28	31	29	28	26
2.50	33	31	30	32	31	30	31	30	29	27
3.00	34	32	31	33	32	30	32	31	30	28
4.00	34	33	32	34	33	32	33	32	31	28
5.00	35	34	33	34	33	33	33	32	32	29
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: 25.3
 Operators: zoe
 Test Date: 2023-12-30

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXRV-DR-1830G-100Z-A-23 Ra: 90
 LENS: PM-1103 15R
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:3.160m [K=1.0000]

Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90

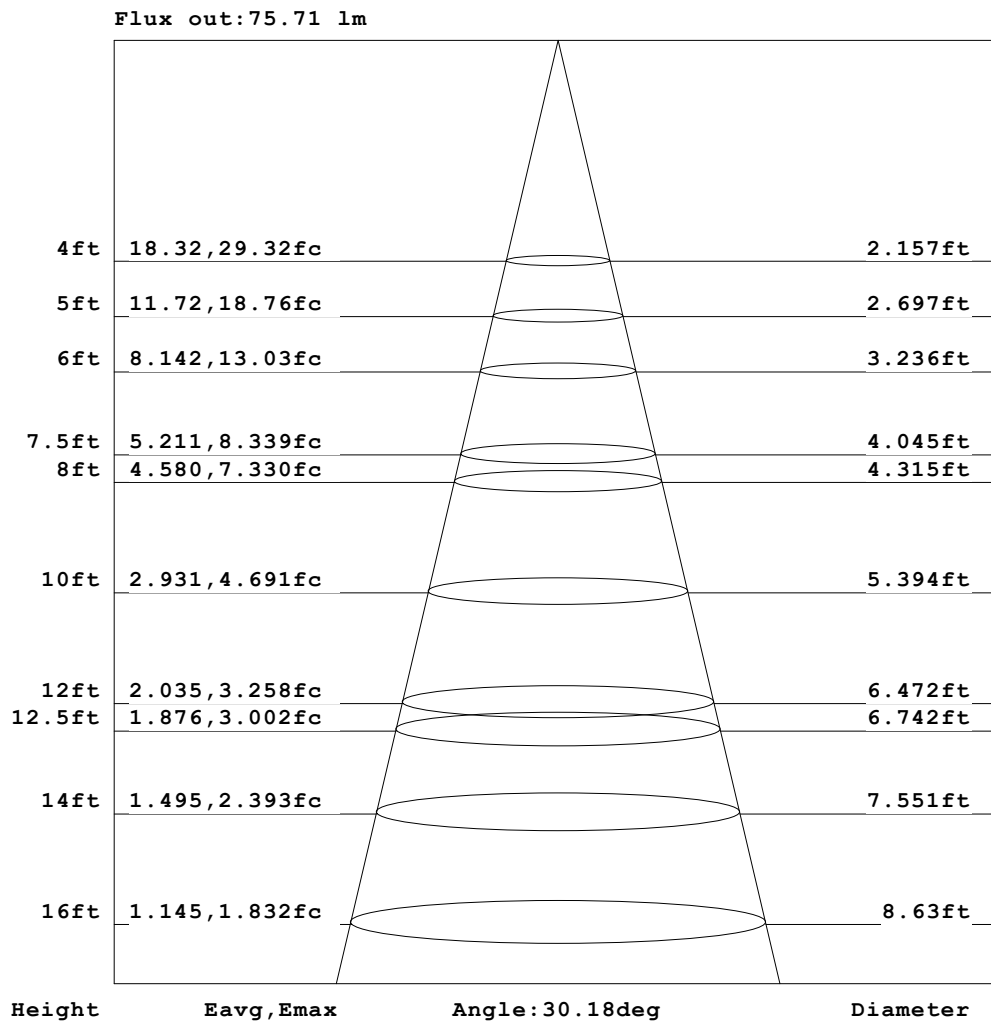
LENS:PM-1103 15R

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

AAI Figure

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:



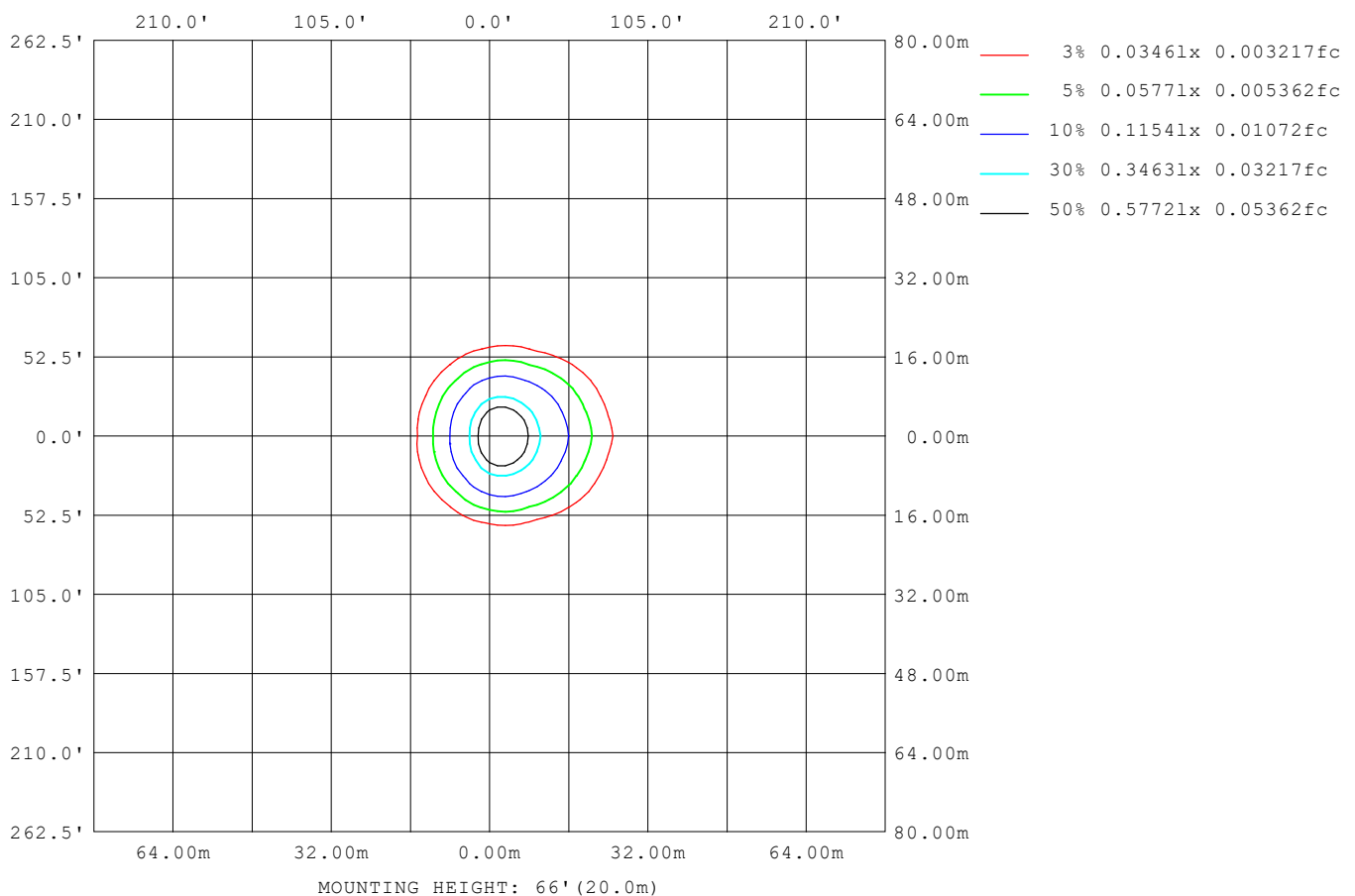
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: For a lens beam angle of 15°
 Test Speed: HIGH
 Temperature: 25.3
 Operators: zoe
 Test Date: 2023-12-30

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90
 LENS: PM-1103 15R
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

ISOLUX DIAGRAM

Test: U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:


C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15°

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2023-12-30

Range: 0 - 180DEG

Interval: 1.0DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity:65.0%

Test Distance:3.160m [K=1.0000]

Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90

LENS:PM-1103 15R

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LED Avg.L Report

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

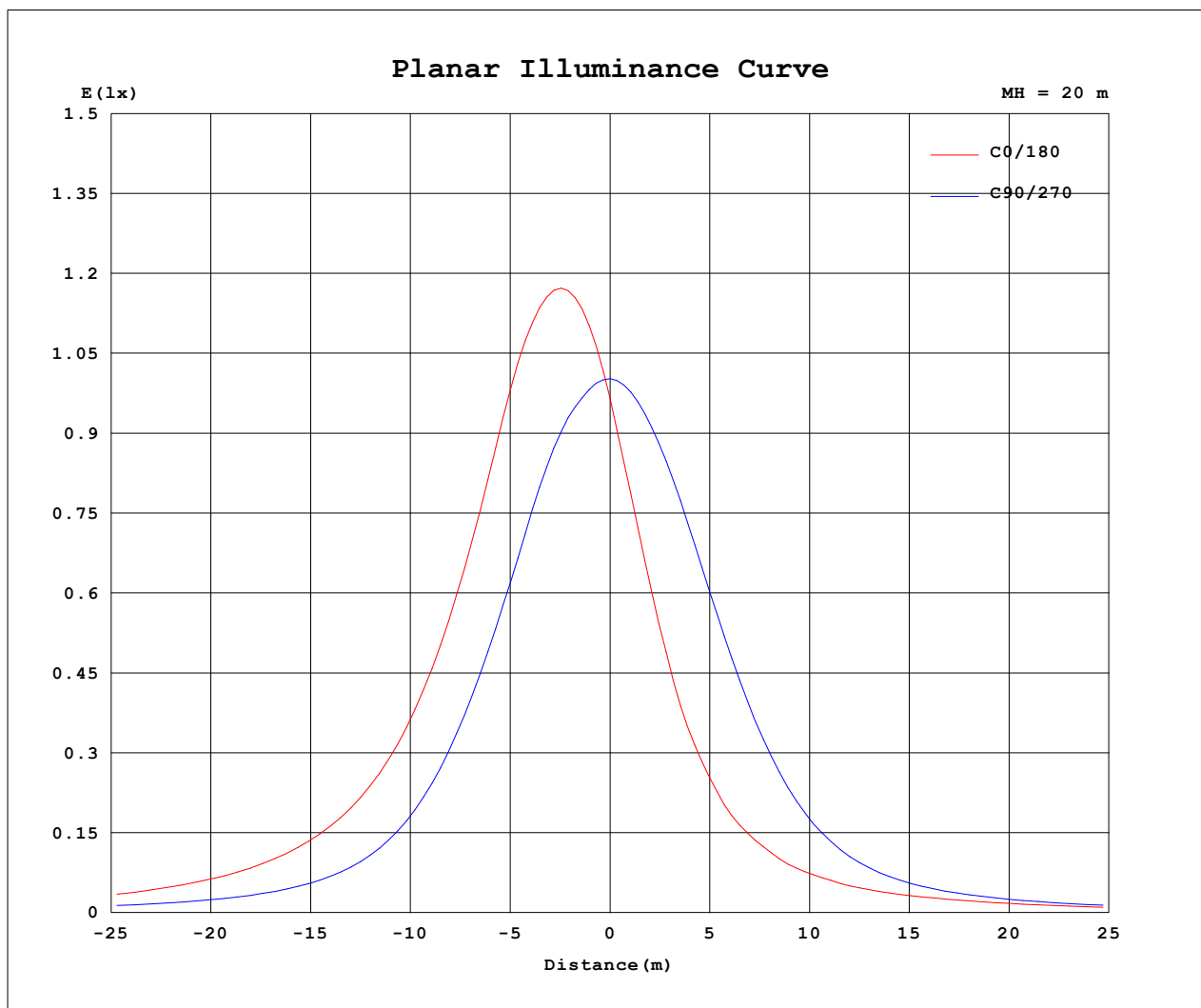
AvgL	cd/m2
L_0~180 (65) av	31551
L_0~180 (75) av	26590
L_0~180 (85) av	19723
L_90~270 (65) av	16010
L_90~270 (75) av	13148
L_90~270 (85) av	10315
L_45 (65) av	22073
L_45 (75) av	18966
L_45 (85) av	14082

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: For a lens beam angle of 15°
 Test Speed: HIGH
 Temperature:25.3
 Operators:zoe
 Test Date:2023-12-30

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity:65.0%
 Test Distance:3.160m [K=1.0000]
 Remarks: LAMP:BXRV-DR-1830G-100Z-A-23 Ra:90
 LENS:PM-1103 15R
 DRIVER:PUP10A-1WMC-700 500mA
 30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 15° Interval: 1.0DEG

Test Speed: HIGH

Temperature: 25.3

Operators: zoe

Test Date: 2023-12-30

Range: 0 - 180DEG

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Humidity: 65.0%

Test Distance: 3.160m [K=1.0000]

Remarks: LAMP: BXRV-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.31V I:0.0944A P:11.237W PF:0.9873 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-M-1.5-DM-15-SQ-WW	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312301481
MFR.: MERCURY LIGHTING	SUR.: 0.001681m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	395	395	395	395	395	395	395	395	395	395	395	395						
5	478	466	428	378	323	285	274	286	323	373	424	467						
10	486	472	414	329	238	181	167	183	238	319	402	470						
15	422	411	346	252	157	114	103	114	161	245	332	401						
20	320	310	254	177	101	72.9	67.2	73.2	104	171	241	298						
25	231	218	170	115	67.9	51.0	46.2	51.5	68.1	112	160	208						
30	165	148	108	73.7	46.9	38.0	34.8	38.1	48.0	72.0	103	143						
35	121	102	69.9	49.3	35.5	29.9	27.8	30.0	36.1	48.9	68.1	101						
40	92.9	74.2	47.5	35.5	28.3	25.1	23.9	25.0	29.0	35.9	47.9	75.5						
45	73.5	57.7	35.2	27.6	23.6	21.7	20.8	21.7	24.2	28.6	36.6	59.2						
50	59.8	47.4	28.2	22.6	19.9	18.6	17.8	18.6	20.6	23.7	29.7	48.6						
55	51.7	40.3	23.6	18.6	16.6	15.4	14.9	15.4	17.1	19.5	24.9	41.1						
60	43.6	34.1	19.4	14.8	13.4	12.7	12.5	12.6	13.7	15.4	20.3	34.5						
65	34.6	27.1	14.9	11.2	10.5	10.4	10.3	10.3	10.6	11.5	15.5	27.3						
70	25.5	20.5	10.8	8.18	8.15	8.10	8.01	8.02	8.10	8.29	11.3	20.2						
75	17.3	14.3	7.33	5.76	5.89	5.89	5.81	5.80	5.82	5.68	7.55	13.9						
80	10.5	8.75	4.36	3.54	3.73	3.74	3.67	3.64	3.64	3.41	4.46	8.49						
85	4.18	3.46	1.77	1.58	1.69	1.68	1.60	1.57	1.60	1.45	1.72	3.14						
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

Range: 0 - 180DEG

C Interval: For a lens beam angle of 15° Interval: 1.0DEG

Test Speed: HIGH

Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461

Temperature: 25.3

Humidity: 65.0%

Operators: zoe

Test Distance: 3.160m [K=1.0000]

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Remarks: LAMP: BXR-V-DR-1830G-100Z-A-23 Ra: 90

LENS: PM-1103 15R

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30minutes warm-up