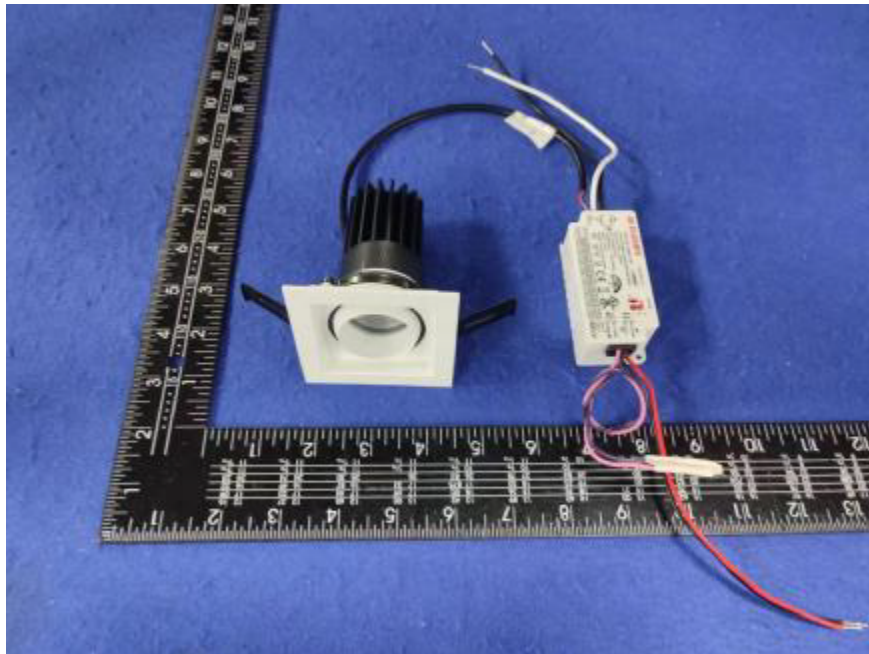


Photometric Report for each Light Engine
used in double and triple configuration
for Flanged and Flangeless Trim



Light Output Ratio:	62.2%	
Luminaire Power:	11.33 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG
C Interval: For a lens beam angle of 24°
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-1103A 24R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

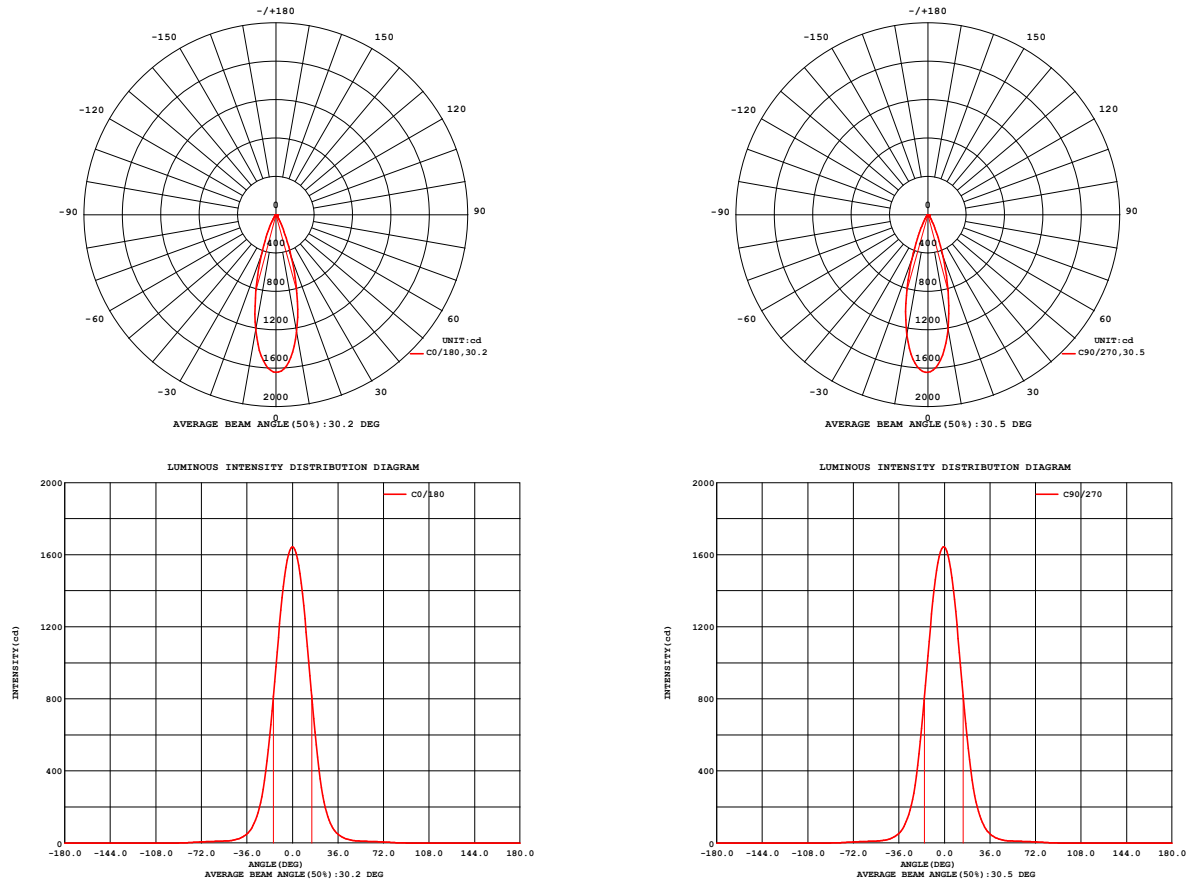


Fig. C0/C180

Fig. C90/C270

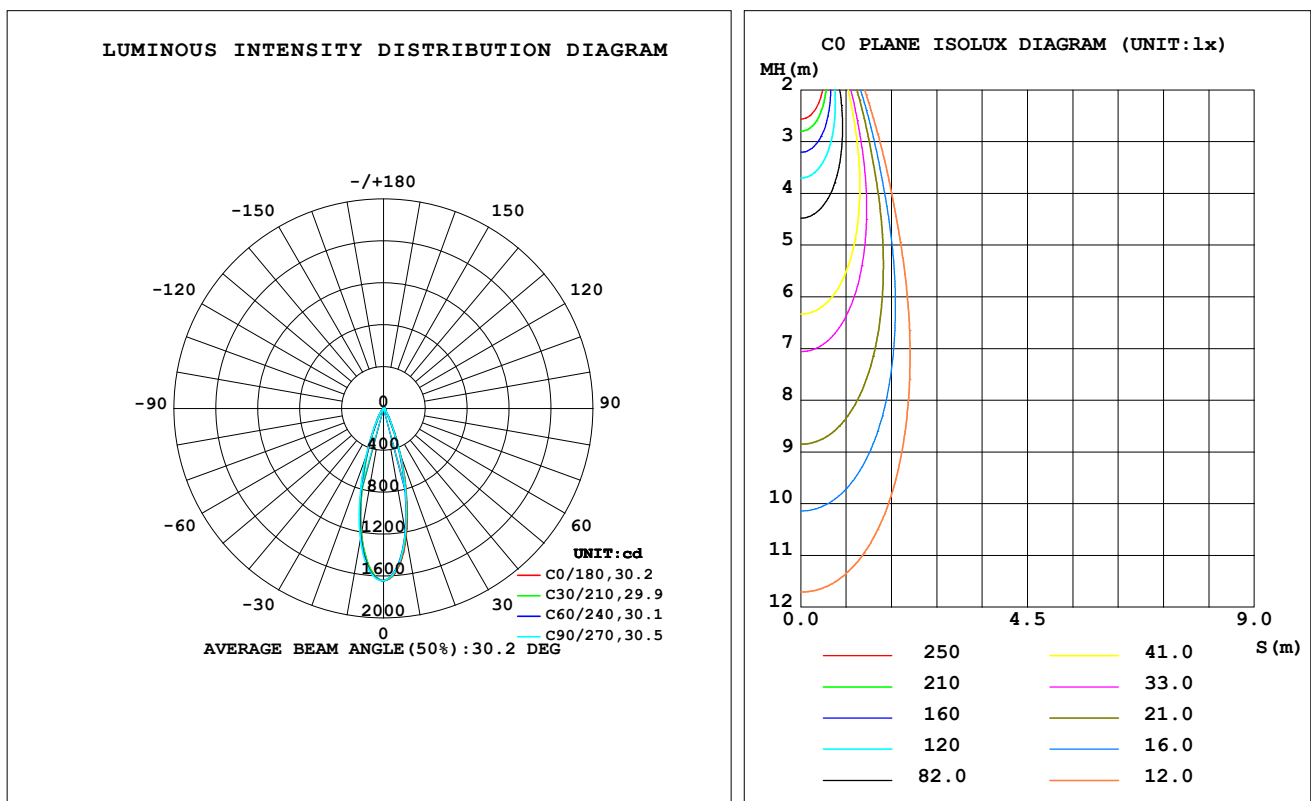
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 24°
Test Speed: HIGH
Temperature: 77.54°F
Operators: zoe
Test Date: 2023-12-29

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-1103A 24R+DIFFUSER
DRIVER: PUP10A-1WMC-700 500mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.80 lm/W			
MODEL	Bridgelux	I _{max} (cd)	1643	S/MH (C0/180)	0.50
NOMINAL POWER (W)	11	LOR (%)	62.2	S/MH (C90/270)	0.51
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	553.08	η UP, DN (C0-180)	0.0, 30.8
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 31.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	62.2	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 24°

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-1103A 24R+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	1245	1210	1211	1225	1218	1233	1271	1278	0- 10	137.0	137.0	24.8,15.4
20	476.8	458.7	462.0	471.3	455.9	464.7	493.9	498.4	10- 20	227.2	364.2	65.9,41
30	110.1	105.3	115.3	123.9	110.2	108.7	119.1	123.3	20- 30	112.0	476.3	86.1,53.6
40	31.09	30.23	31.94	33.47	31.07	30.65	32.34	32.83	30- 40	38.89	515.1	93.1,57.9
50	12.08	12.12	12.38	12.61	12.38	12.33	12.48	12.25	40- 50	14.92	530.1	95.8,59.6
60	8.785	8.893	9.186	9.356	9.155	9.039	8.998	8.907	50- 60	9.321	539.4	97.5,60.7
70	6.268	6.407	6.650	6.753	6.576	6.444	6.374	6.291	60- 70	7.827	547.2	98.9,61.5
80	2.448	2.816	2.898	3.060	2.786	2.737	2.419	2.574	70- 80	4.911	552.1	99.8,62.1
90	0	0	0	0	0	0	0	0	80- 90	0.9591	553.1	100,62.2
100	0	0	0	0	0	0	0	0	90-100	0	553.1	100,62.2
110	0	0	0	0	0	0	0	0	100-110	0	553.1	100,62.2
120	0	0	0	0	0	0	0	0	110-120	0	553.1	100,62.2
130	0	0	0	0	0	0	0	0	120-130	0	553.1	100,62.2
140	0	0	0	0	0	0	0	0	130-140	0	553.1	100,62.2
150	0	0	0	0	0	0	0	0	140-150	0	553.1	100,62.2
160	0	0	0	0	0	0	0	0	150-160	0	553.1	100,62.2
170	0	0	0	0	0	0	0	0	160-170	0	553.1	100,62.2
180	0	0	0	0	0	0	0	0	170-180	0	553.1	100,62.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 24°

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

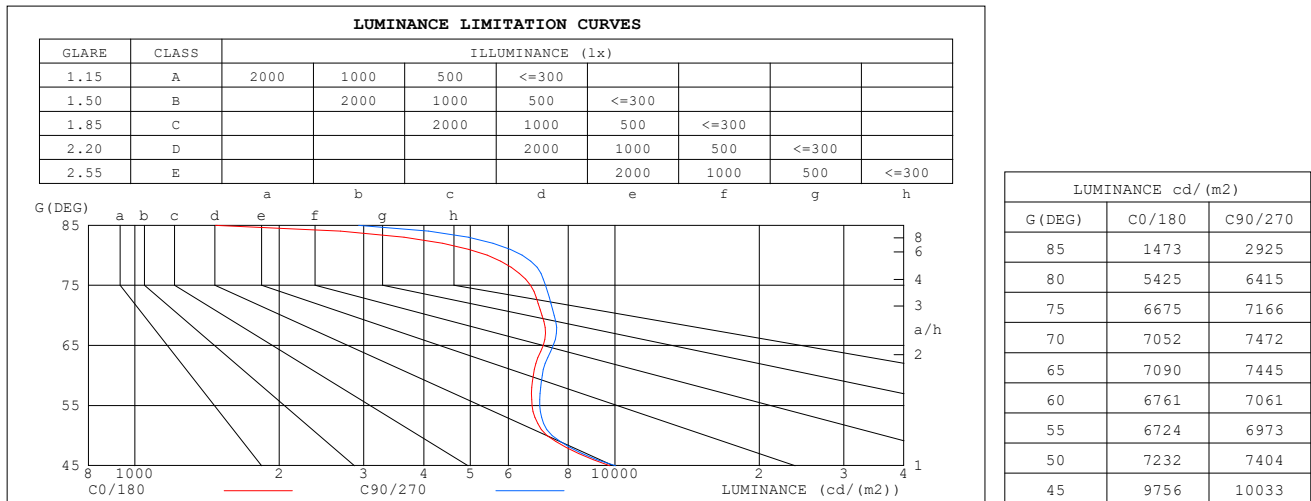
LENS:PM-1103A 24R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 24°

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-1103A 24R+DIFFUSER

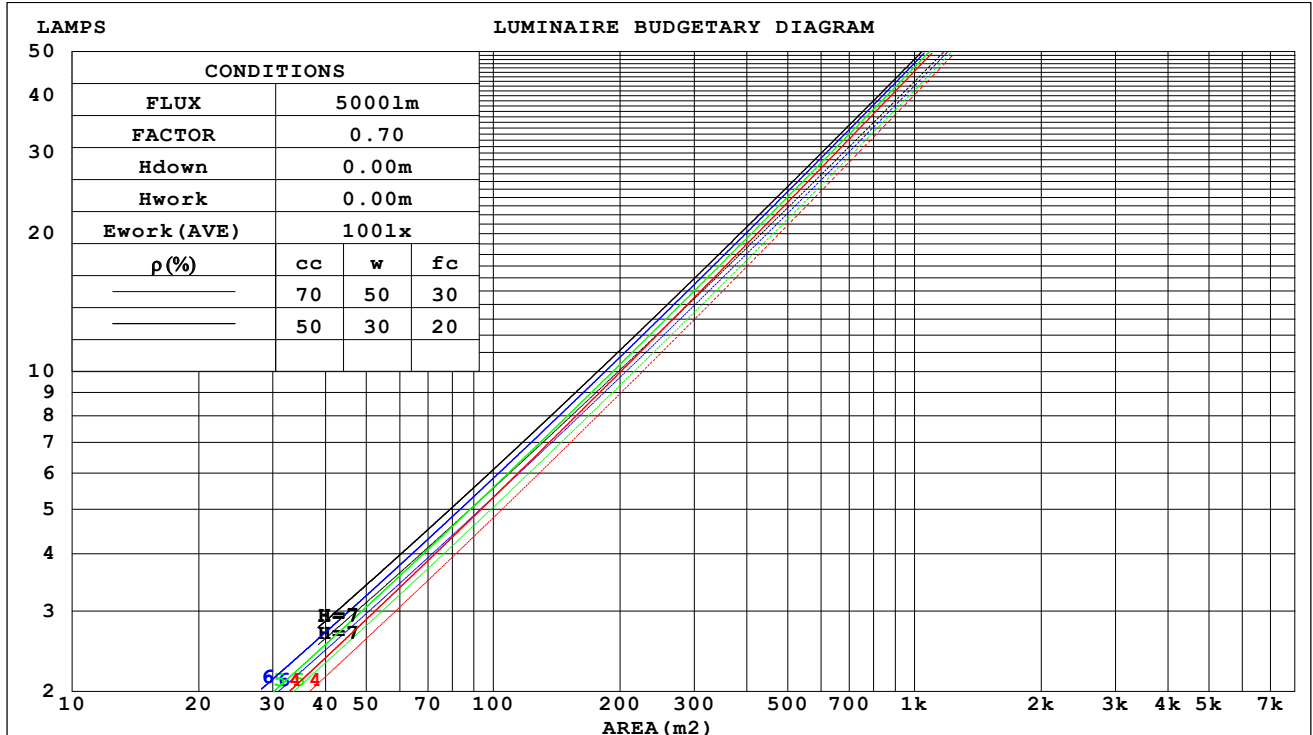
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
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						Coefficients of Utilization(CU)									
0.0	.74	.74	.74	.72	.72	.72	.69	.69	.69	.66	.66	.66	.63	.63	.63	.62
1.0	.69	.68	.67	.68	.67	.66	.66	.65	.64	.63	.62	.62	.61	.61	.60	.59
2.0	.65	.63	.61	.64	.62	.61	.62	.61	.59	.60	.59	.58	.59	.58	.57	.56
3.0	.62	.59	.57	.61	.59	.57	.59	.57	.56	.58	.56	.55	.57	.55	.54	.53
4.0	.59	.56	.54	.58	.55	.53	.57	.54	.53	.56	.54	.52	.54	.53	.51	.51
5.0	.56	.53	.51	.55	.53	.50	.54	.52	.50	.53	.51	.50	.53	.51	.49	.48
6.0	.54	.50	.48	.53	.50	.48	.52	.50	.48	.51	.49	.47	.51	.49	.47	.46
7.0	.51	.48	.46	.51	.48	.46	.50	.48	.46	.50	.47	.46	.49	.47	.45	.45
8.0	.49	.46	.44	.49	.46	.44	.48	.46	.44	.48	.45	.44	.47	.45	.44	.43
9.0	.47	.44	.42	.47	.44	.42	.47	.44	.42	.46	.44	.42	.46	.44	.42	.41
10.0	.46	.43	.41	.46	.43	.41	.45	.43	.41	.45	.42	.41	.44	.42	.41	.40



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 24°

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-1103A 24R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

WEC AND CCEC

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.101	.057	.018	.097	.055	.017	.089	.051	.016	.082	.047	.015	.075	.043	.014	
2.0	.094	.052	.016	.091	.050	.015	.084	.047	.015	.078	.044	.014	.073	.041	.013	
3.0	.088	.047	.014	.085	.046	.014	.080	.043	.013	.075	.041	.013	.070	.039	.012	
4.0	.083	.043	.013	.080	.042	.012	.075	.040	.012	.071	.038	.012	.067	.036	.011	
5.0	.078	.040	.011	.076	.039	.011	.072	.037	.011	.068	.036	.011	.064	.034	.010	
6.0	.074	.037	.011	.072	.036	.010	.068	.035	.010	.065	.034	.010	.062	.033	.010	
7.0	.070	.034	.010	.068	.034	.010	.065	.033	.009	.062	.032	.009	.060	.031	.009	
8.0	.066	.032	.009	.065	.032	.009	.062	.031	.009	.060	.030	.009	.057	.029	.009	
9.0	.063	.031	.009	.062	.030	.008	.060	.030	.008	.057	.029	.008	.055	.028	.008	
10.0	.061	.029	.008	.059	.029	.008	.057	.028	.008	.055	.027	.008	.053	.027	.008	

pcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.118	.118	.118	.101	.101	.101	.069	.069	.069	.040	.040	.040	.013	.013	.013	
1.0	.106	.098	.091	.091	.084	.078	.062	.058	.054	.036	.033	.031	.011	.011	.010	
2.0	.095	.082	.072	.082	.071	.062	.056	.049	.043	.032	.029	.025	.010	.009	.008	
3.0	.087	.071	.058	.075	.061	.050	.051	.042	.035	.030	.025	.021	.009	.008	.007	
4.0	.080	.061	.047	.068	.053	.041	.047	.037	.029	.027	.022	.017	.009	.007	.006	
5.0	.074	.054	.039	.063	.046	.034	.044	.032	.024	.025	.019	.014	.008	.006	.005	
6.0	.068	.048	.033	.059	.041	.029	.041	.029	.020	.024	.017	.012	.008	.006	.004	
7.0	.064	.043	.028	.055	.037	.024	.038	.026	.017	.022	.015	.010	.007	.005	.003	
8.0	.060	.039	.024	.052	.034	.021	.036	.024	.015	.021	.014	.009	.007	.005	.003	
9.0	.057	.035	.021	.049	.031	.018	.034	.022	.013	.020	.013	.008	.006	.004	.003	
10.0	.053	.032	.018	.046	.028	.016	.032	.020	.011	.019	.012	.007	.006	.004	.002	

C Range: 0 - 360DEG

C Interval:For a lens beam angle of 24°

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-1103A 24R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm											
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL					TYPE:			WEIGHT:			
SPEC.: 3000K					DIM.:			SERIAL No.: 2312291387			
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	14.2	15.0	14.4	15.1	15.3	14.3	15.1	14.5	15.3	15.4
	3H	15.4	16.1	15.6	16.3	16.5	15.6	16.3	15.8	16.5	16.7
	4H	15.9	16.6	16.2	16.9	17.1	16.2	16.9	16.4	17.1	17.3
	6H	16.3	17.0	16.6	17.2	17.5	16.6	17.3	16.9	17.5	17.7
	8H	16.4	17.0	16.7	17.3	17.5	16.7	17.4	17.0	17.6	17.9
	12H	16.4	17.0	16.7	17.3	17.5	16.7	17.4	17.1	17.6	17.9
4H	2H	14.6	15.3	14.9	15.5	15.7	14.7	15.4	15.0	15.6	15.8
	3H	16.1	16.7	16.4	16.9	17.2	16.2	16.8	16.5	17.1	17.4
	4H	16.8	17.3	17.1	17.6	17.9	16.9	17.5	17.3	17.8	18.1
	6H	17.3	17.8	17.6	18.1	18.4	17.5	18.0	17.9	18.3	18.7
	8H	17.4	17.8	17.8	18.2	18.5	17.7	18.1	18.1	18.5	18.8
	12H	17.4	17.8	17.8	18.2	18.5	17.7	18.1	18.1	18.5	18.9
8H	4H	17.0	17.5	17.4	17.8	18.2	17.2	17.6	17.6	18.0	18.4
	6H	17.6	18.0	18.1	18.4	18.8	17.9	18.3	18.3	18.7	19.1
	8H	17.8	18.2	18.3	18.6	19.0	18.1	18.4	18.5	18.9	19.3
	12H	17.8	18.1	18.3	18.6	19.0	18.2	18.4	18.6	18.9	19.4
12H	4H	17.0	17.4	17.4	17.8	18.2	17.2	17.6	17.6	18.0	18.4
	6H	17.7	18.0	18.1	18.4	18.9	17.9	18.3	18.4	18.7	19.1
	8H	17.9	18.2	18.3	18.6	19.1	18.1	18.4	18.6	18.9	19.4
Variations with the observer position at spacings(CIE Pub.117) :											
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5					
1.5H	+ 1.1 / - 0.5					+ 1.1 / - 0.5					
2.0H	+ 0.4 / - 0.3					+ 0.4 / - 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	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 24°	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: BXRV-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103A 24R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

UTILIZATION FACTORS TABLE

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

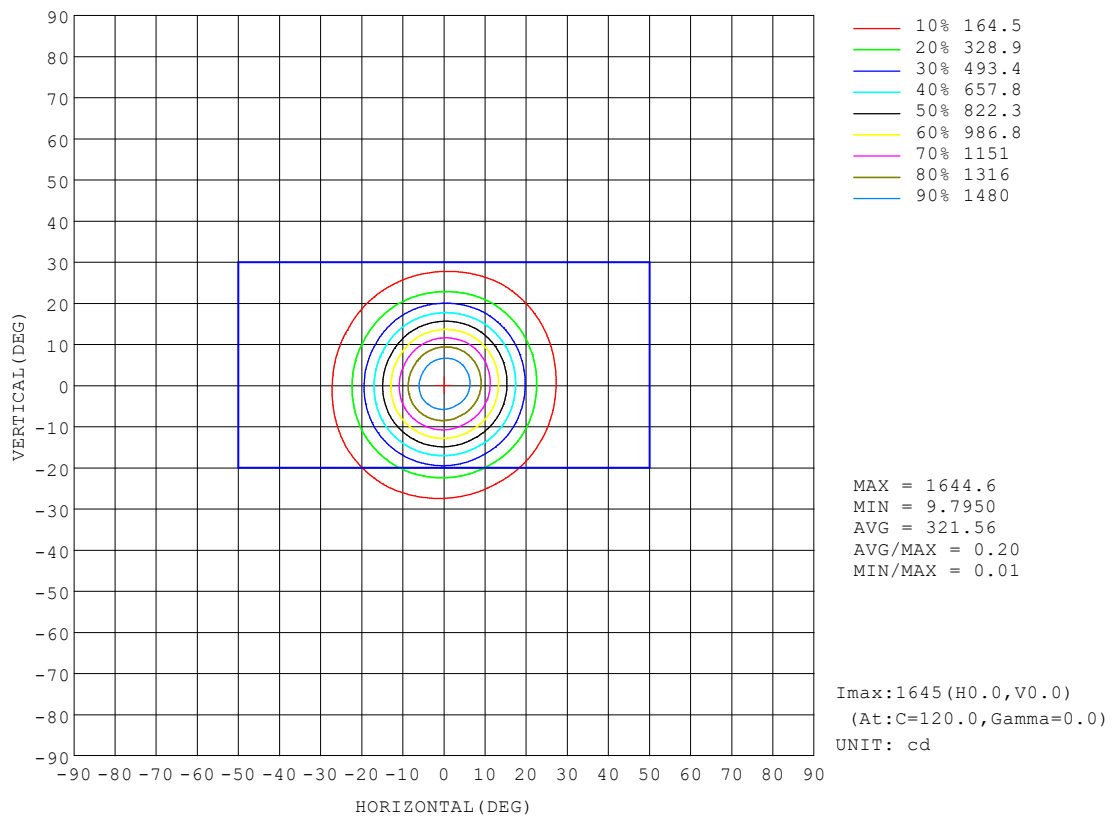
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	50	48	54	50	48	54	50	48	46
0.80	59	55	53	58	55	53	58	55	53	50
1.00	62	58	56	61	58	56	60	58	55	53
1.25	64	61	58	63	60	58	62	60	58	55
1.50	66	63	61	65	62	60	63	61	60	57
2.00	67	65	63	66	64	62	65	63	61	58
2.50	68	66	64	67	65	63	65	64	62	59
3.00	69	67	65	68	66	65	66	65	63	59
4.00	71	69	68	69	68	67	67	66	65	61
5.00	71	70	69	70	69	68	68	67	66	61
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 24°
 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-1103A 24R+DIFFUSER
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

ISOCANDELA DIAGRAM

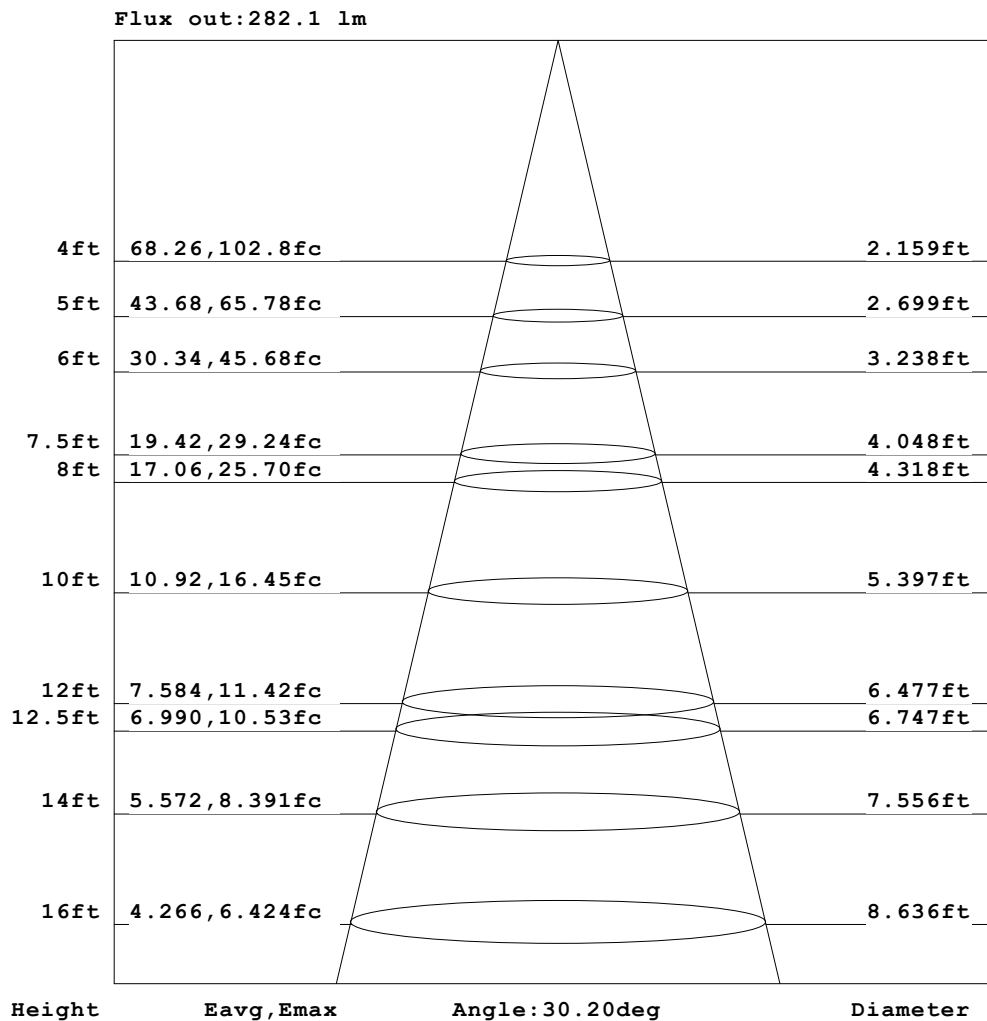
Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 24°	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: BXR-V-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103A 24R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

AAI Figure

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

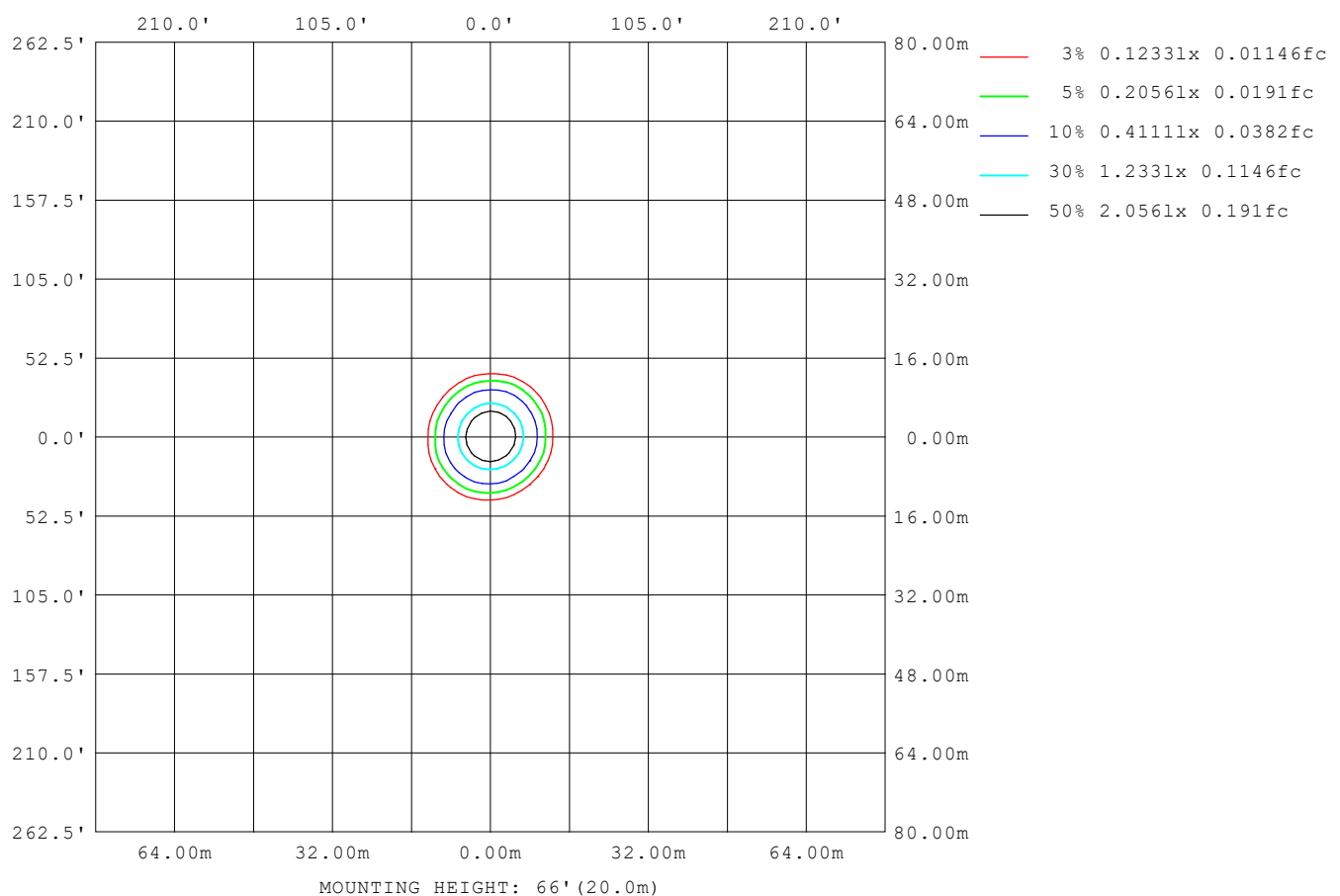


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: For a lens beam angle of 24°	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: BXR-V-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103A 24R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

ISOLUX DIAGRAM

Test: U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: For a lens beam angle of 24°
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-1103A 24R+DIFFUSER
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

LED Avg.L Report

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
MFR.: MERCURY LIGHTING	SUR.: 0.002601m2	Shielding Angle:

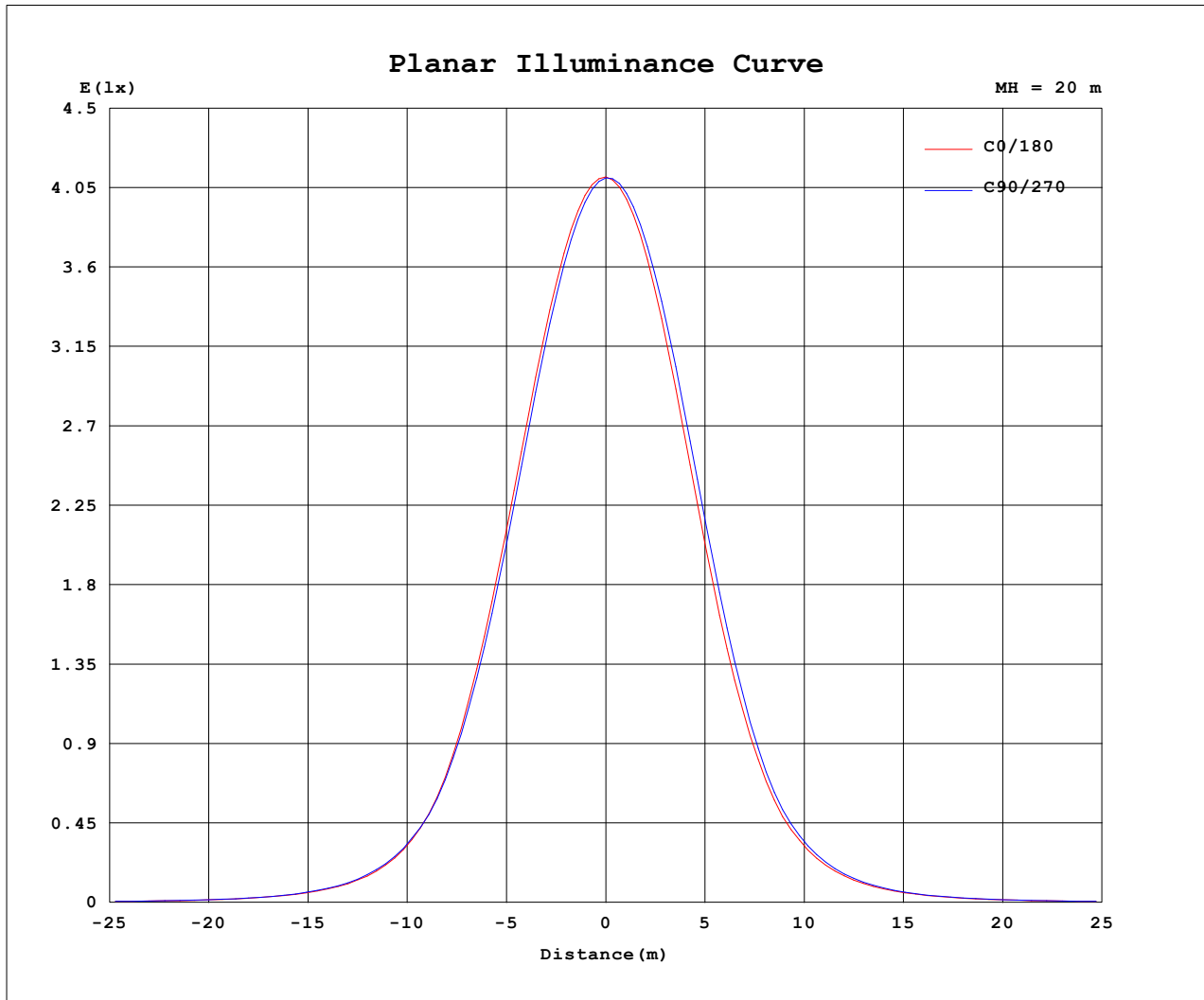
AvgL	cd/m2
L 0~180 (65) av	7232
L 0~180 (75) av	6884
L 0~180 (85) av	1896
L 90~270 (65) av	7322
L 90~270 (75) av	6961
L 90~270 (85) av	1986
L 45 (65) av	7283
L 45 (75) av	6972
L 45 (85) av	2638

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: For a lens beam angle of 24°
 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-1103A 24R+DIFFUSER
 DRIVER: PUP10A-1WMC-700 500mA
 30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG

C Interval: For a lens beam angle of 24°

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-1103A 24R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.20V I:0.0954A P:11.335W PF:0.9869 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-SQ-AD-OPL	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312291387
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	1643	1643	1643	1643	1643	1643	1643	1643	1643	1643	1643	1643						
5	1541	1529	1515	1520	1526	1533	1529	1528	1545	1555	1561	1551						
10	1245	1220	1200	1211	1222	1229	1218	1216	1249	1271	1287	1269						
15	848	827	804	815	823	825	813	811	849	873	889	870						
20	477	466	451	462	471	471	456	451	478	494	505	491						
25	228	223	216	229	241	239	222	216	229	240	251	241						
30	110	106	105	115	125	123	110	106	112	119	127	120						
35	56.6	54.7	54.4	59.1	63.7	62.4	56.8	55.0	57.3	60.3	63.4	60.3						
40	31.1	30.4	30.1	31.9	33.7	33.2	31.1	30.1	31.2	32.3	33.4	32.2						
45	17.9	18.0	17.7	18.5	18.8	18.9	18.2	17.7	18.4	18.6	18.8	18.2						
50	12.1	12.1	12.1	12.4	12.6	12.6	12.4	12.3	12.4	12.5	12.4	12.1						
55	10.0	10.0	10.2	10.4	10.6	10.6	10.4	10.3	10.3	10.3	10.3	10.1						
60	8.78	8.82	8.96	9.19	9.36	9.35	9.15	9.03	9.04	9.00	8.96	8.86						
65	7.79	7.84	7.98	8.19	8.31	8.29	8.11	7.97	7.97	7.91	7.88	7.81						
70	6.27	6.36	6.46	6.65	6.77	6.74	6.58	6.45	6.44	6.37	6.33	6.26						
75	4.49	4.60	4.68	4.83	4.92	4.91	4.78	4.67	4.66	4.55	4.58	4.50						
80	2.45	2.78	2.85	2.90	3.11	3.01	2.79	2.86	2.61	2.42	2.66	2.49						
85	0.33	0.63	0.67	0.66	0.90	0.81	0.53	0.53	0.43	0.24	0.37	0.31						
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 24°

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-1103A 24R+DIFFUSER

DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up