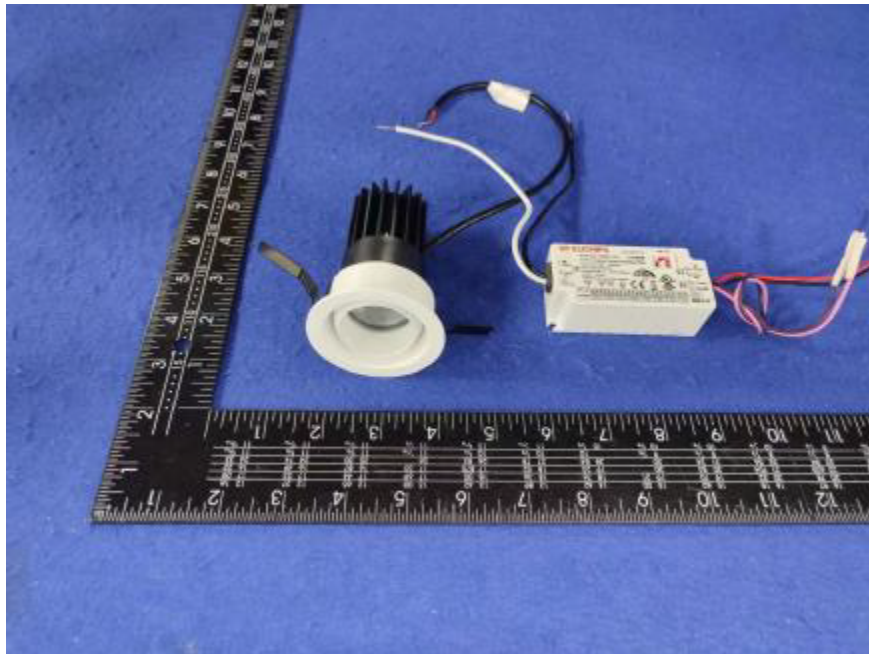


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	62.1%	
Luminaire Power:	11.31 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

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: 2023-12-27	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

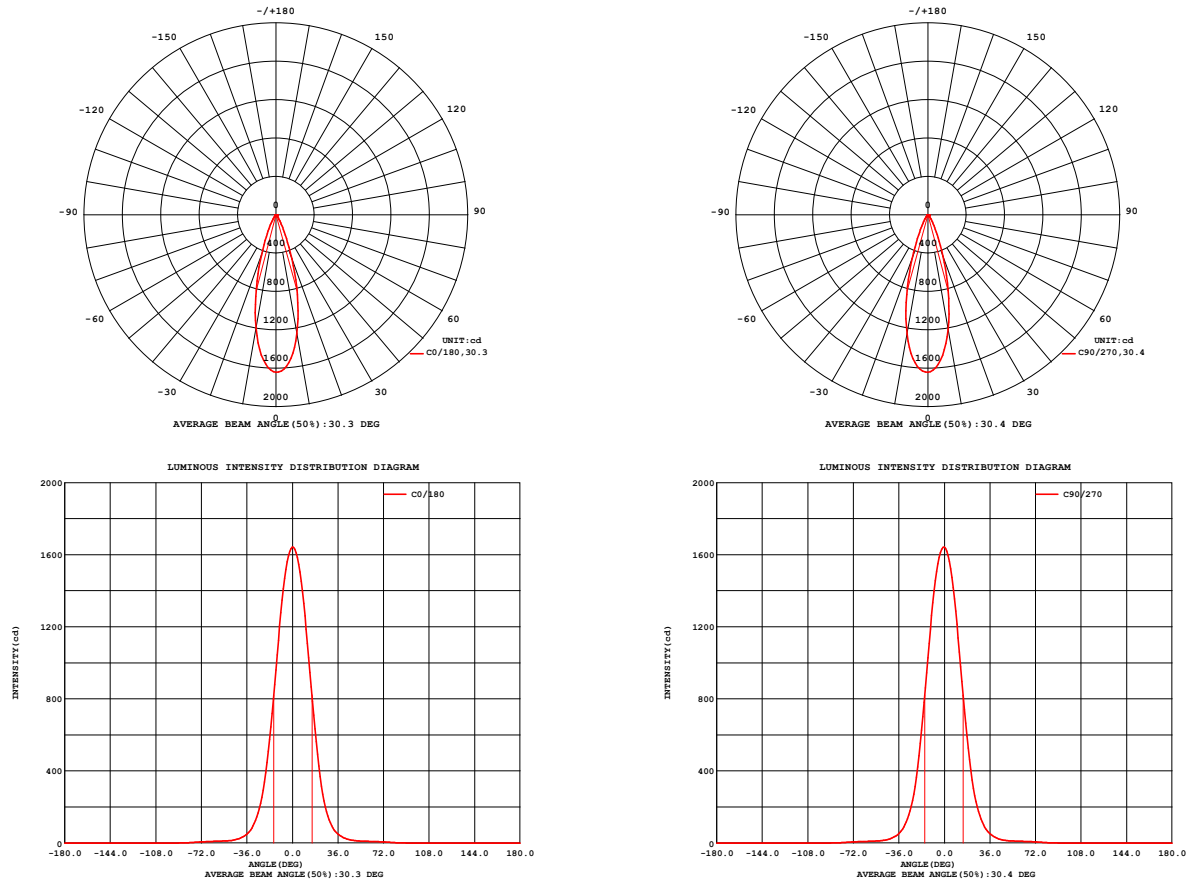


Fig. C0/C180

Fig. C90/C270

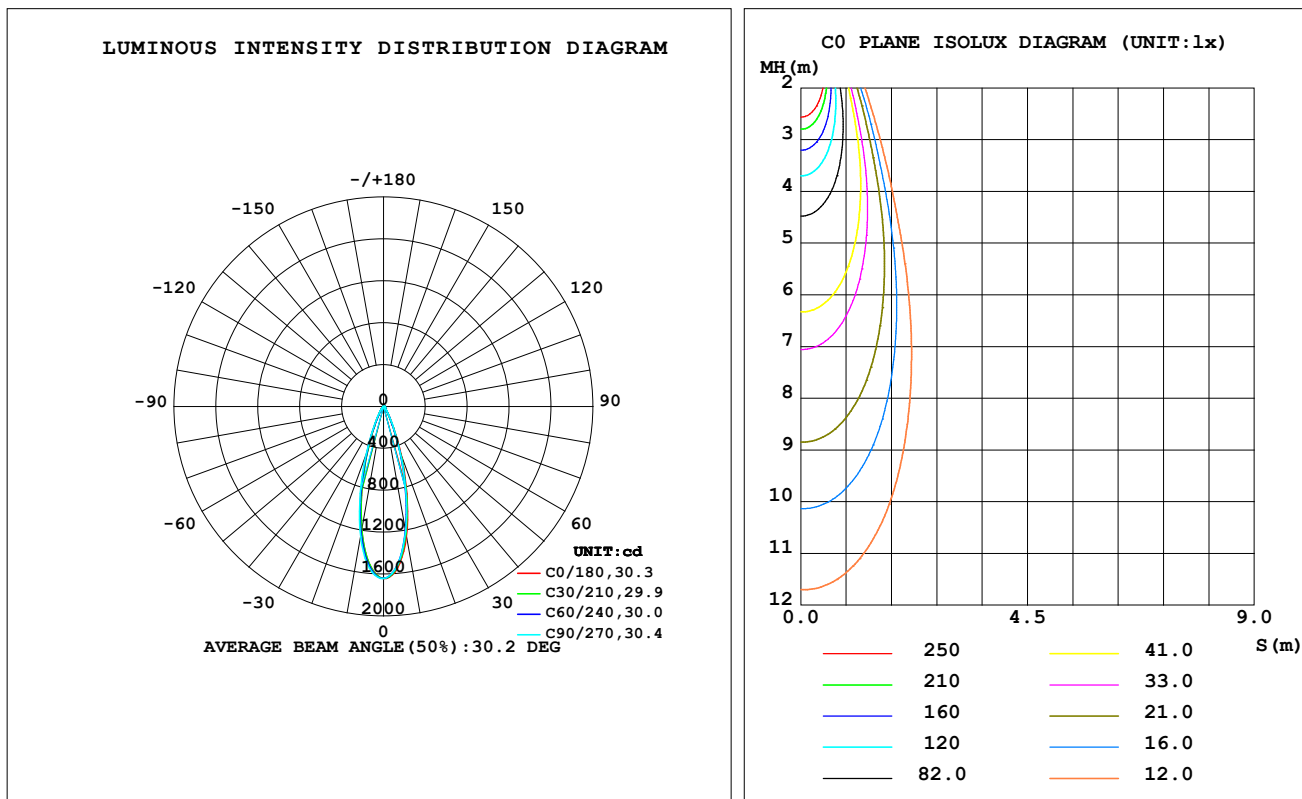
C Range: 0 - 360DEG
C Interval: For a lens beam angle of 24°
Test Speed: HIGH
Temperature: 77.54°F
Operators: zoe
Test Date: 2023-12-27

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:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m ²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.84 lm/W			
MODEL	Bridgelux	I _{max} (cd)	1642	S/MH (C0/180)	0.49
NOMINAL POWER (W)	11	LOR (%)	62.1	S/MH (C90/270)	0.51
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	552.61	η UP, DN (C0-180)	0.0, 31.0
NOMINAL FLUX (lm)	889.25	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 31.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	62.1	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: 2023-12-27

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1260	1221	1214	1219	1203	1215	1263	1285	0- 10	136.8	136.8	24.8,15.4
20	492.6	467.3	462.6	468.0	447.0	449.6	484.9	506.8	10- 20	227.0	363.8	65.8,40.9
30	111.9	106.4	115.8	124.4	108.7	105.4	116.7	124.0	20- 30	111.8	475.6	86.1,53.5
40	31.75	30.69	32.24	33.50	30.58	29.90	32.00	33.31	30- 40	38.84	514.4	93.1,57.9
50	12.44	12.38	12.63	12.86	12.55	12.33	12.50	12.55	40- 50	15.03	529.5	95.8,59.5
60	9.011	9.143	9.503	9.672	9.395	9.121	9.074	9.066	50- 60	9.511	539.0	97.5,60.6
70	6.469	6.590	6.856	6.953	6.717	6.478	6.465	6.488	60- 70	8.010	547.0	99,61.5
80	2.490	2.414	2.389	2.393	2.326	2.325	2.432	2.499	70- 80	4.835	551.8	99.9,62.1
90	0	0	0	0	0	0	0	0	80- 90	0.7876	552.6	100,62.1
100	0	0	0	0	0	0	0	0	90-100	0	552.6	100,62.1
110	0	0	0	0	0	0	0	0	100-110	0	552.6	100,62.1
120	0	0	0	0	0	0	0	0	110-120	0	552.6	100,62.1
130	0	0	0	0	0	0	0	0	120-130	0	552.6	100,62.1
140	0	0	0	0	0	0	0	0	130-140	0	552.6	100,62.1
150	0	0	0	0	0	0	0	0	140-150	0	552.6	100,62.1
160	0	0	0	0	0	0	0	0	150-160	0	552.6	100,62.1
170	0	0	0	0	0	0	0	0	160-170	0	552.6	100,62.1
180	0	0	0	0	0	0	0	0	170-180	0	552.6	100,62.1
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:2023-12-27

 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

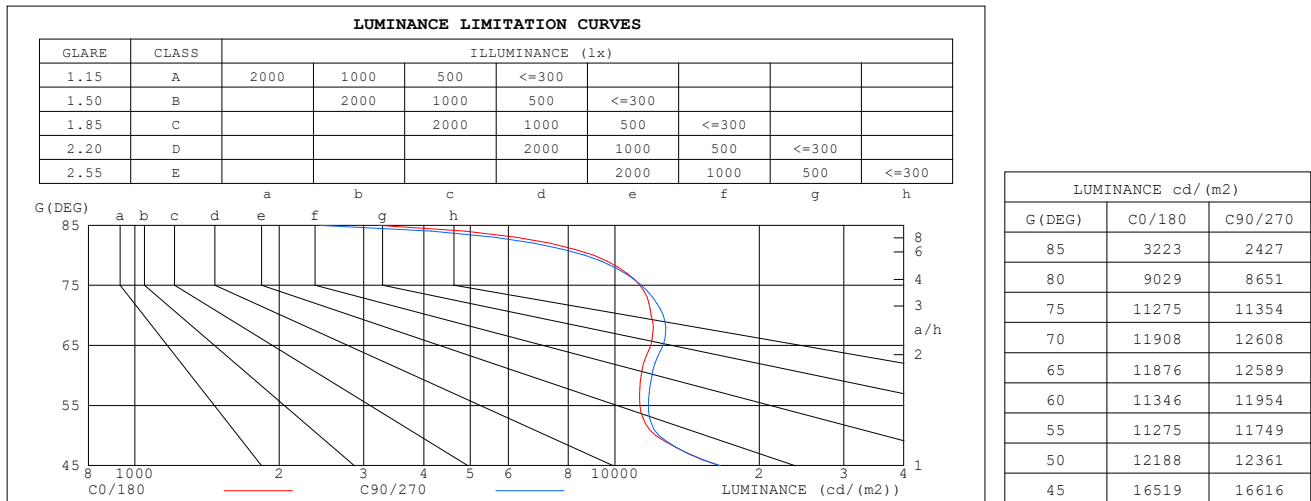
LENS:PM-1103A 24R+DIFFUSER

DRIVER:PUP10A-1WMC-700 500mA

30minutes warm-up

LUMINANCE LIMITATION CURVES

Test: U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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: 2023-12-27

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

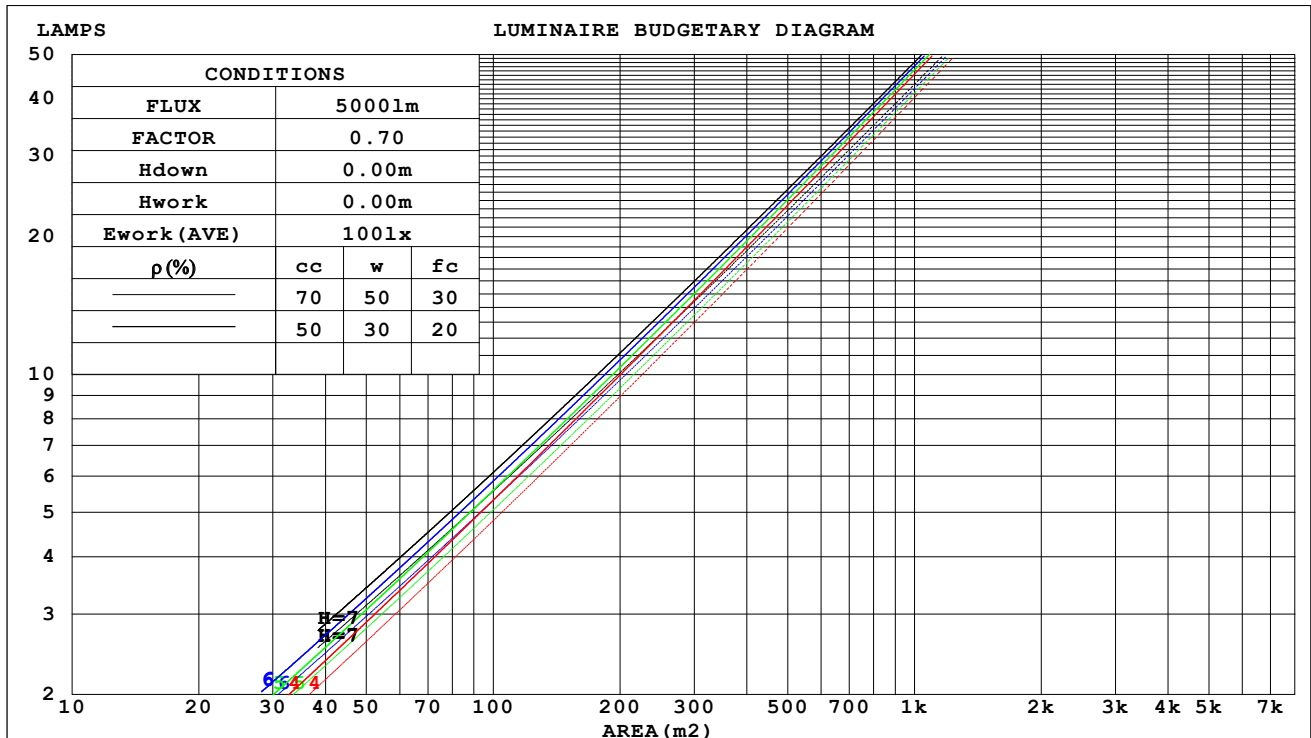
DRIVER: PUP10A-1WMC-700 500mA

30minutes warm-up

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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 24°

Test Speed: HIGH

Temperature: 77.54°F

Operators: zoe

Test Date: 2023-12-27

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:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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	.100	.057	.018	.096	.055	.017	.089	.051	.016	.081	.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	.073	.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	.029	.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	.090	.084	.078	.062	.058	.054	.036	.033	.031	.011	.011	.010	
2.0	.095	.082	.071	.082	.071	.062	.056	.049	.043	.032	.029	.025	.010	.009	.008	
3.0	.087	.070	.057	.074	.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	.056	.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:2023-12-27

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:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm										
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2312271378		
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	16.0	16.8	16.3	17.0	17.1	16.2	16.9	16.4	17.1	17.3
3H	17.3	18.0	17.5	18.2	18.4	17.4	18.2	17.7	18.4	18.6
4H	17.8	18.5	18.1	18.7	19.0	18.0	18.7	18.3	18.9	19.1
6H	18.2	18.8	18.5	19.1	19.3	18.3	19.0	18.6	19.2	19.4
8H	18.3	18.9	18.6	19.1	19.4	18.4	19.0	18.7	19.2	19.5
12H	18.2	18.9	18.6	19.1	19.4	18.3	18.9	18.7	19.2	19.5
4H 2H	16.5	17.2	16.7	17.4	17.6	16.6	17.3	16.8	17.5	17.7
3H	17.9	18.6	18.3	18.8	19.1	18.1	18.7	18.4	19.0	19.2
4H	18.6	19.2	19.0	19.5	19.8	18.8	19.3	19.1	19.6	19.9
6H	19.1	19.6	19.5	19.9	20.3	19.2	19.7	19.5	20.0	20.3
8H	19.2	19.6	19.6	20.0	20.4	19.2	19.7	19.6	20.1	20.4
12H	19.2	19.6	19.6	20.0	20.4	19.2	19.6	19.6	20.0	20.4
8H 4H	18.9	19.3	19.2	19.7	20.0	19.0	19.4	19.4	19.8	20.1
6H	19.4	19.8	19.8	20.2	20.6	19.5	19.9	19.9	20.2	20.7
8H	19.5	19.9	20.0	20.3	20.7	19.6	19.9	20.0	20.3	20.8
12H	19.5	19.8	20.0	20.3	20.7	19.6	19.8	20.0	20.3	20.8
12H 4H	18.8	19.3	19.3	19.6	20.0	19.0	19.4	19.4	19.8	20.1
6H	19.4	19.8	19.9	20.2	20.6	19.5	19.8	19.9	20.2	20.7
8H	19.6	19.8	20.0	20.3	20.8	19.6	19.9	20.1	20.3	20.8
Variations with the observer position at spacings(CIE Pub.117) :										
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.5				
1.5H	+ 1.2 / - 0.6					+ 1.2 / - 0.6				
2.0H	+ 0.5 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 889.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)
 Area: 0.00158963 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: 2023-12-27	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

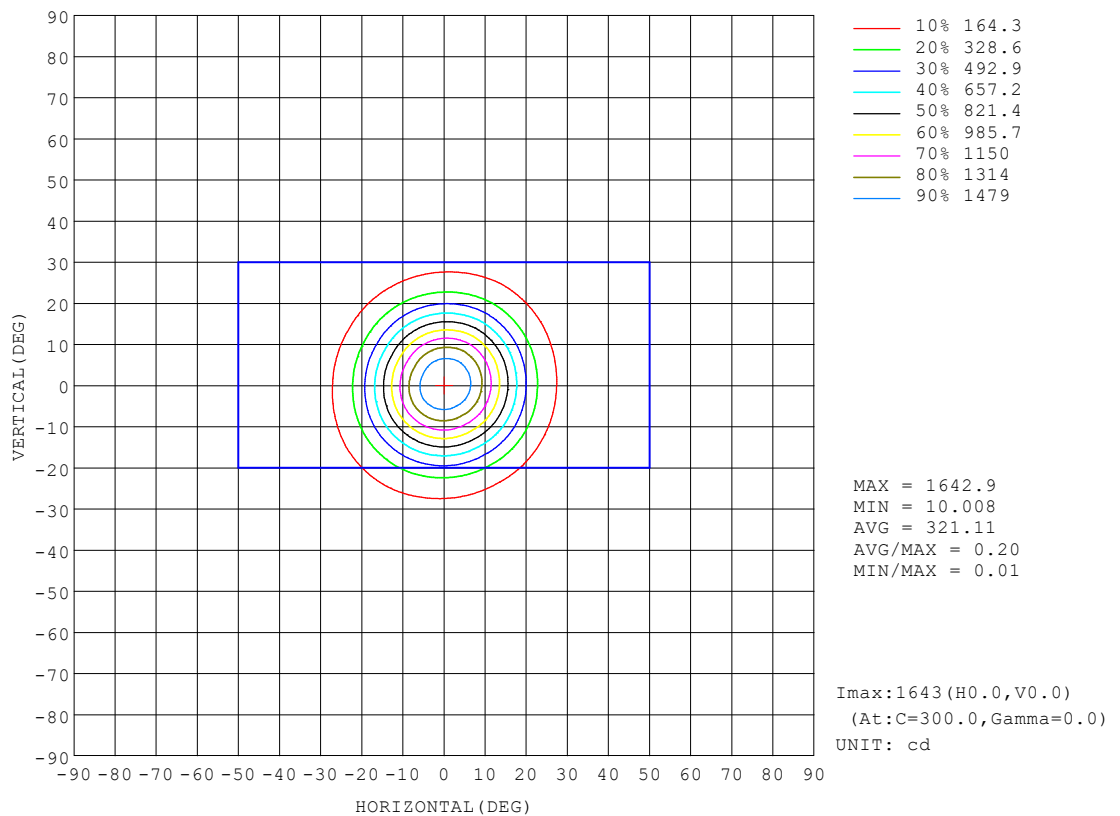
Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

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) $k(RI) \times RCR = 5$									
$k = 0.60$	54	50	48	54	50	48	53	50	48	46
0.80	59	55	53	58	55	53	58	55	52	50
1.00	61	58	56	61	58	55	60	58	55	53
1.25	64	61	58	63	60	58	62	60	58	55
1.50	66	63	60	65	62	60	63	61	59	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	67	69	68	67	67	66	65	60
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: 2023-12-27	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
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ISOCANDELA DIAGRAM

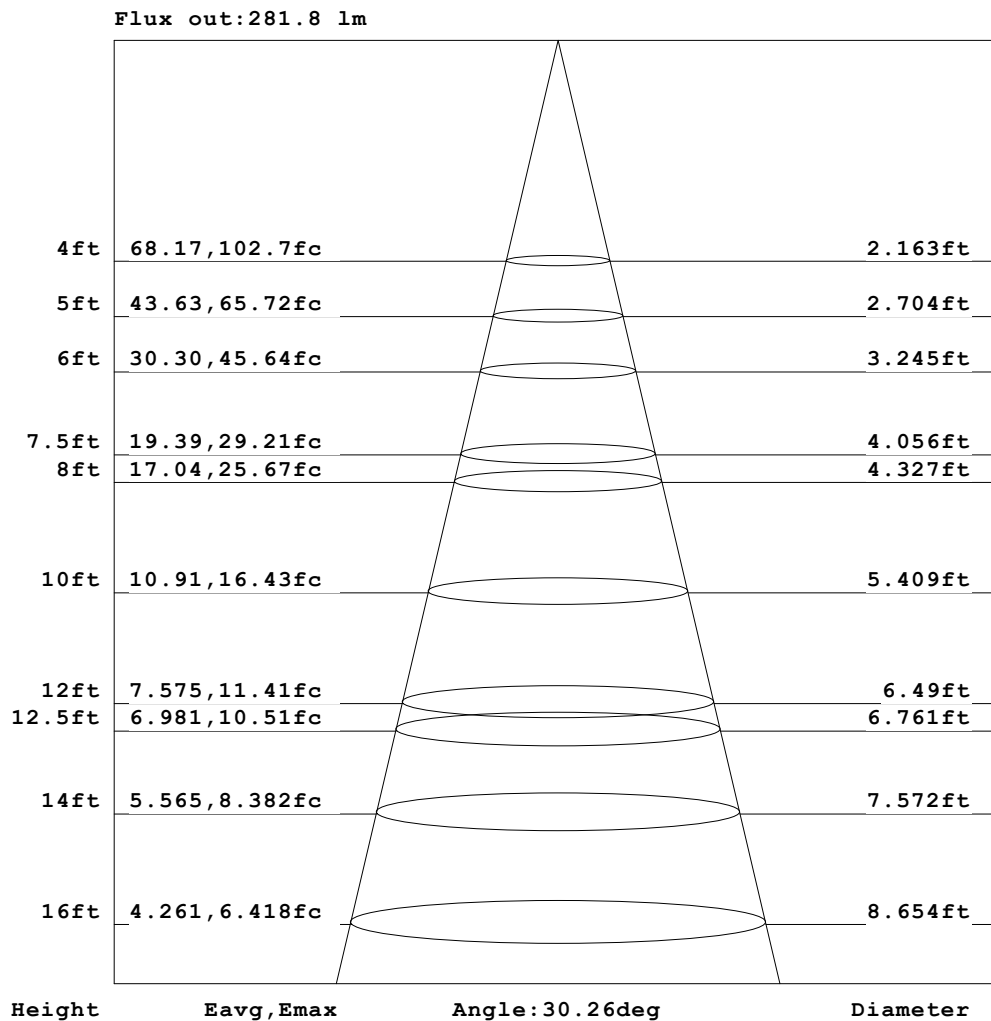
Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:



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: 2023-12-27	Remarks: LAMP: BXRV-DR-1830G-100Z-A-23 Ra: 90
	LENS: PM-1103A 24R+DIFFUSER
	DRIVER: PUP10A-1WMC-700 500mA
	30minutes warm-up

AAI Figure

Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

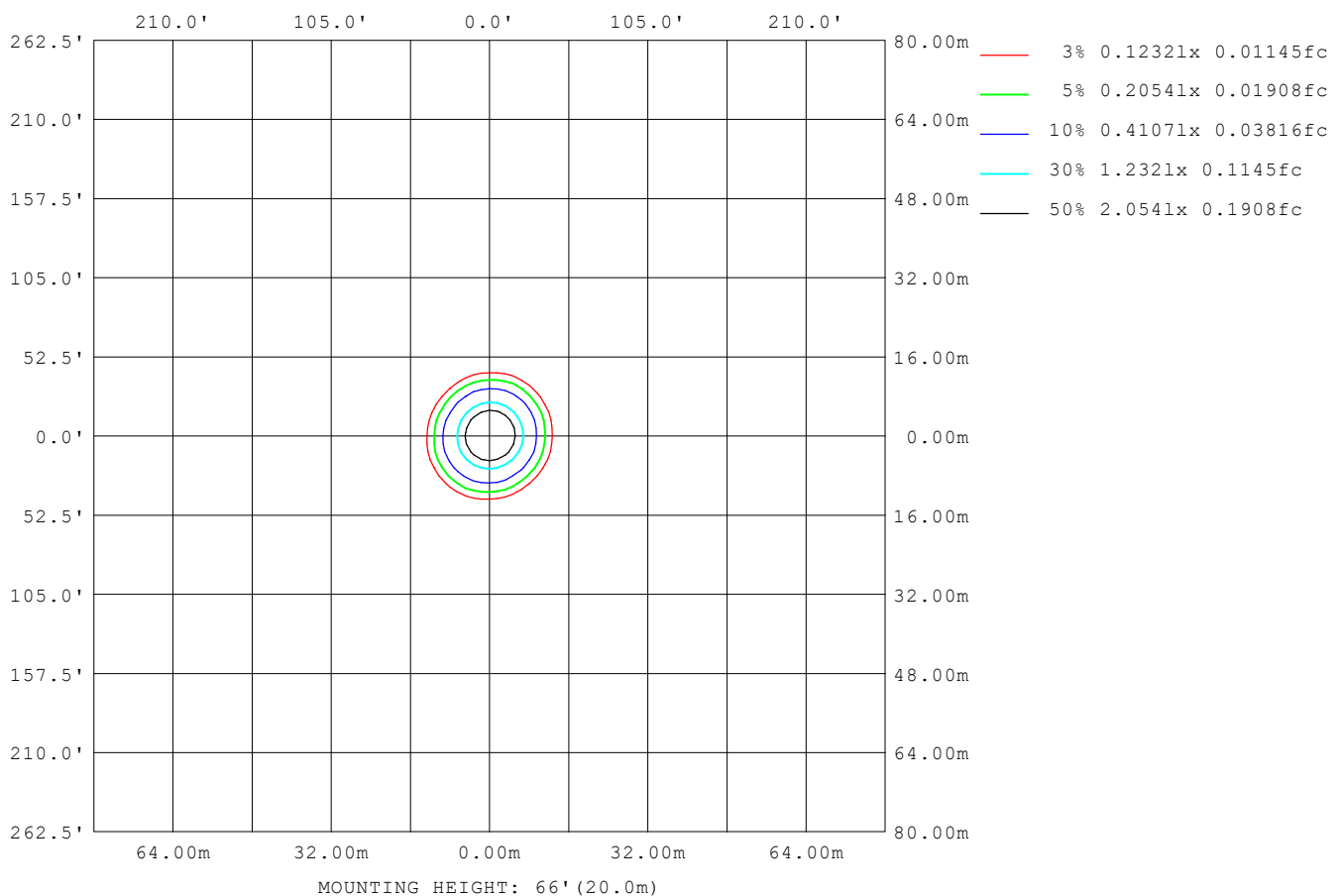


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG	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: 2023-12-27	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:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux: 889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	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: 2023-12-27	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

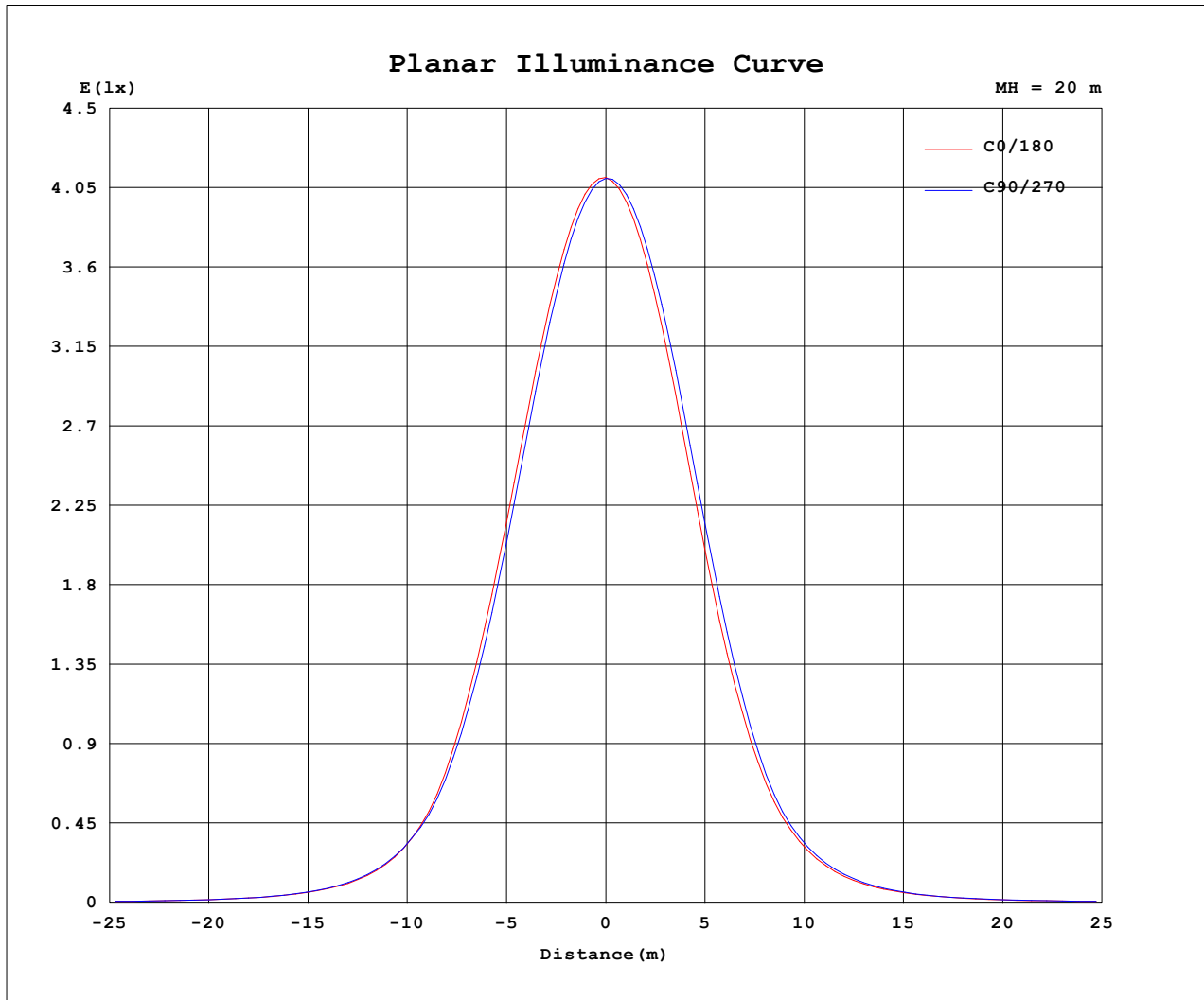
Test:U:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
MFR.: MERCURY LIGHTING	SUR.: 0.001589625m2	Shielding Angle:

AvgL	cd/m2
L 0~180 (65) av	12145
L 0~180 (75) av	11191
L 0~180 (85) av	2689
L 90~270 (65) av	12253
L 90~270 (75) av	11278
L 90~270 (85) av	2645
L 45 (65) av	12196
L 45 (75) av	11238
L 45 (85) av	2636

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: 2023-12-27	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
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Planar Illuminance Curve



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: 2023-12-27	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:120.21V I:0.0952A P:11.314W PF:0.9867 Freq:59.98Hz Lamp Flux:889.25x1 lm		
NAME: CTL-MM-1.5-DM-24-RD-AD-OPL-SG	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312271378
	SUR.: 0.001589625m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642	1642						
5	1547	1535	1519	1521	1524	1526	1518	1517	1536	1549	1560	1555						
10	1260	1234	1209	1214	1219	1219	1203	1198	1233	1263	1289	1281						
15	866	843	814	818	820	816	797	791	829	861	893	885						
20	493	478	457	463	469	467	447	437	462	485	509	505						
25	233	224	217	230	242	239	220	209	223	235	251	246						
30	112	107	106	116	126	123	109	103	108	117	127	121						
35	57.5	55.6	55.1	59.5	64.2	62.3	56.0	53.6	55.6	59.3	63.4	61.1						
40	31.8	30.9	30.5	32.2	33.9	33.1	30.6	29.4	30.4	32.0	33.7	32.9						
45	18.6	18.4	18.0	18.7	18.9	18.9	18.2	17.4	18.1	18.5	19.2	18.8						
50	12.4	12.4	12.4	12.6	12.9	12.8	12.6	12.3	12.4	12.5	12.6	12.5						
55	10.3	10.3	10.4	10.7	11.0	10.9	10.7	10.5	10.4	10.4	10.4	10.3						
60	9.01	9.05	9.23	9.50	9.68	9.67	9.40	9.16	9.08	9.07	9.09	9.04						
65	7.97	8.02	8.20	8.46	8.61	8.60	8.35	8.08	8.00	8.00	8.04	8.00						
70	6.47	6.53	6.65	6.86	6.97	6.94	6.72	6.50	6.45	6.47	6.50	6.47						
75	4.64	4.62	4.59	4.67	4.72	4.70	4.57	4.48	4.54	4.61	4.68	4.66						
80	2.49	2.45	2.38	2.39	2.39	2.39	2.33	2.28	2.37	2.43	2.50	2.50						
85	0.45	0.43	0.35	0.34	0.32	0.32	0.30	0.30	0.37	0.40	0.42	0.42						
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:2023-12-27

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