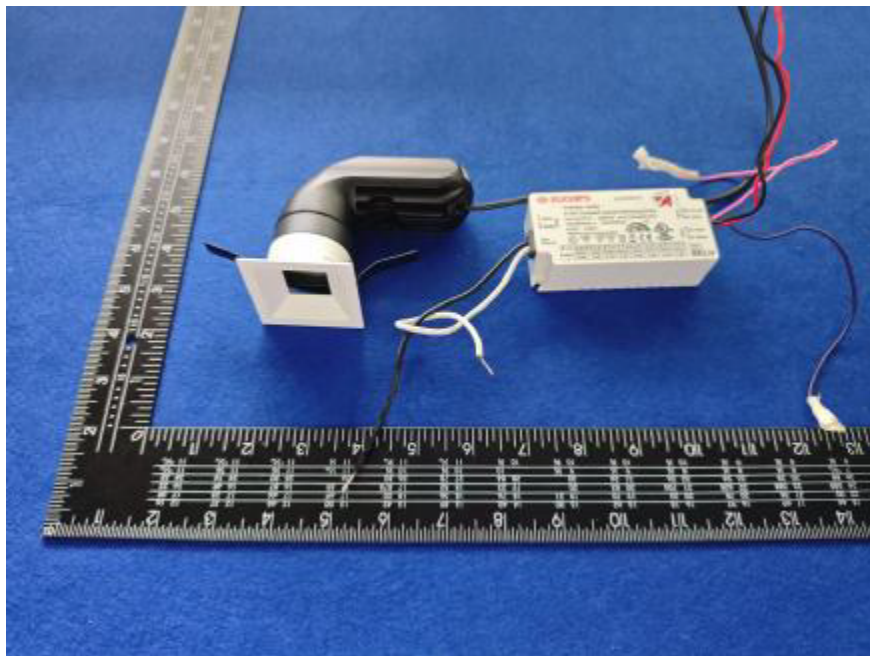


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	67.1%	
Luminaire Power:	13.85 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG  
C Interval: FOR A 24° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature: 25.3  
Operators: zoe  
Test Date: 2025-7-5

γ Range: 0 - 180DEG  
γ 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: BXRH-30G10T0-G-83 Ra: 90  
LENS: PM-1084A 24R  
DRIVER: PUP20A-1WMC 600mA  
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

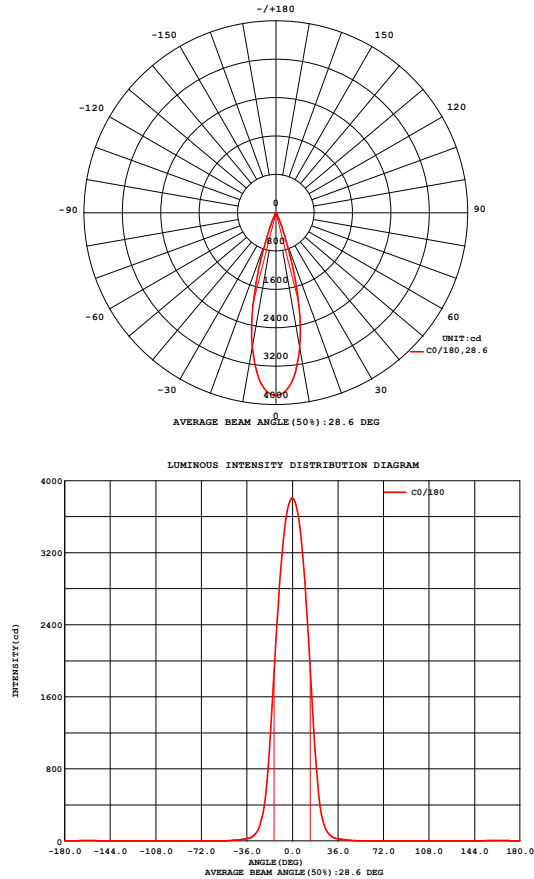


Fig. C0/C180

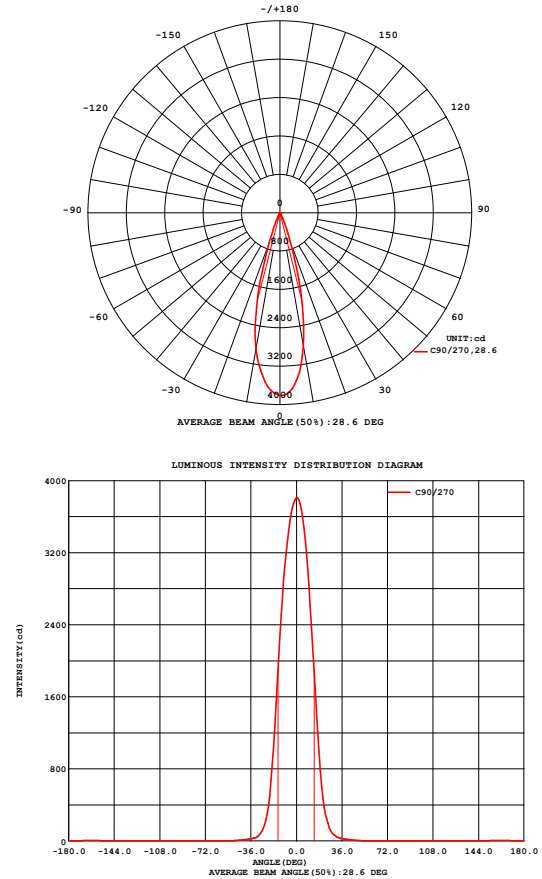


Fig. C90/C270

C Range: 0 - 360DEG  
C Interval: FOR A 24° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature:25.3  
Operators:zoe  
Test Date:2025-7-5

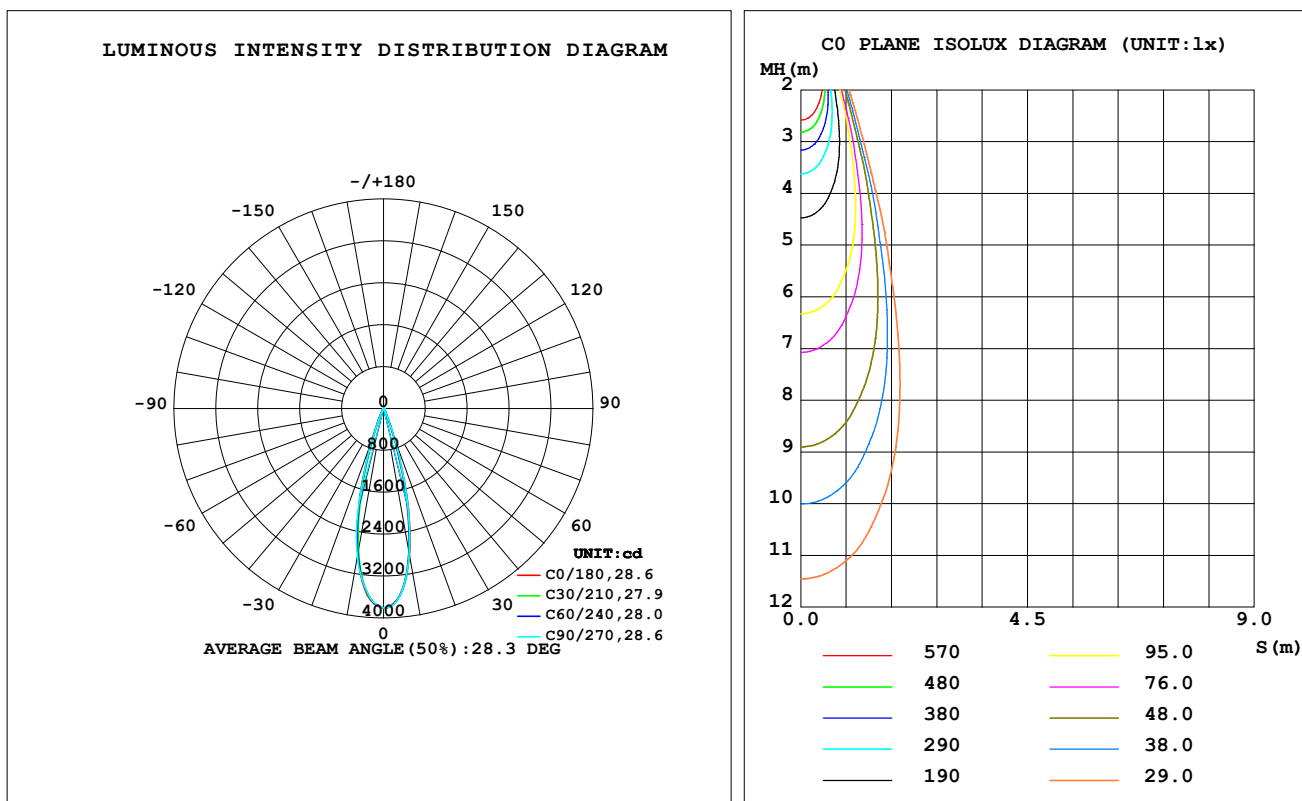
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:BXRH-30G10T0-G-83 Ra:90  
LENS:PM-1084A 24R  
DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m <sup>2</sup>	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 65.02 lm/W
MODEL	Brideglux	I <sub>max</sub> (cd)	3809	S/MH (C0/180)	0.45	
NOMINAL POWER (W)	13	LOR (%)	67.1	S/MH (C90/270)	0.45	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	900.54	η UP, DN (C0-180)	0.2, 33.3	
NOMINAL FLUX (lm)	1342.44	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 33.5	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	120	η down (%)	66.7	CIBSE SHR MAX	0.30	



C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: zoe  
 Test Date: 2025-7-5

γ Range: 0 - 180DEG  
 γ 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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084A 24R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**ZONAL FLUX DIAGRAM**
**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2855	2813	2816	2807	2847	2794	2883	2813	0- 10	316.8	316.8	35.2,23.6
20	660.2	591.4	621.3	611.4	661.5	622.8	673.7	633.6	10- 20	445.3	762.1	84.6,56.8
30	61.54	69.00	64.67	65.32	64.69	63.32	54.66	61.96	20- 30	102.2	864.3	96,64.4
40	16.13	17.10	18.14	17.35	17.06	14.85	15.10	15.21	30- 40	19.74	884.0	98.2,65.9
50	4.048	5.093	4.470	5.336	4.200	4.350	3.131	4.535	40- 50	7.252	891.3	99,66.4
60	1.668	1.777	1.731	1.785	1.622	1.390	1.313	1.394	50- 60	2.186	893.5	99.2,66.6
70	1.227	1.752	1.983	1.664	1.109	0.8811	0.9091	0.8960	60- 70	1.434	894.9	99.4,66.7
80	0.2005	0.1429	0.1034	0.1389	0.1223	0.1206	0.1335	0.1222	70- 80	0.6522	895.6	99.4,66.7
90	0.0352	0.0164	0.0220	0.0092	0.0101	0.0055	0.0163	0.0051	80- 90	0.0709	895.6	99.5,66.7
100	0.3862	0.0362	0.0319	0.0315	0.0298	0.0206	0.0264	0.0188	90-100	0.0339	895.7	99.5,66.7
110	0.5297	0.2257	0.0511	0.2876	0.2216	0.0343	0.0405	0.0353	100-110	0.1191	895.8	99.5,66.7
120	0.6505	0.2947	0.0691	0.3630	0.4300	0.0484	0.0517	0.0491	110-120	0.1939	896.0	99.5,66.7
130	0.1377	0.1329	0.1208	0.1645	0.1030	0.1066	0.1071	0.1062	120-130	0.1541	896.1	99.5,66.8
140	1.403	0.9171	0.7951	0.9765	1.118	0.5898	0.6191	0.6034	130-140	0.2967	896.4	99.5,66.8
150	2.882	2.783	2.820	2.641	2.439	2.356	2.537	2.482	140-150	0.9941	897.4	99.7,66.9
160	4.853	4.649	4.879	4.164	4.216	3.980	4.475	4.250	150-160	1.664	899.1	99.8,67
170	3.891	3.639	3.301	3.216	3.243	3.038	3.106	3.475	160-170	1.179	900.3	100,67.1
180	2.579	2.503	2.603	2.538	2.582	2.504	2.605	2.537	170-180	0.2785	900.5	100,67.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG

C Interval: FOR A 24° LENS BEAM ANGLE

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2025-7-5

 $\gamma$  Range: 0 - 180DEG

 $\gamma$  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:BXRH-30G10T0-G-83 Ra:90

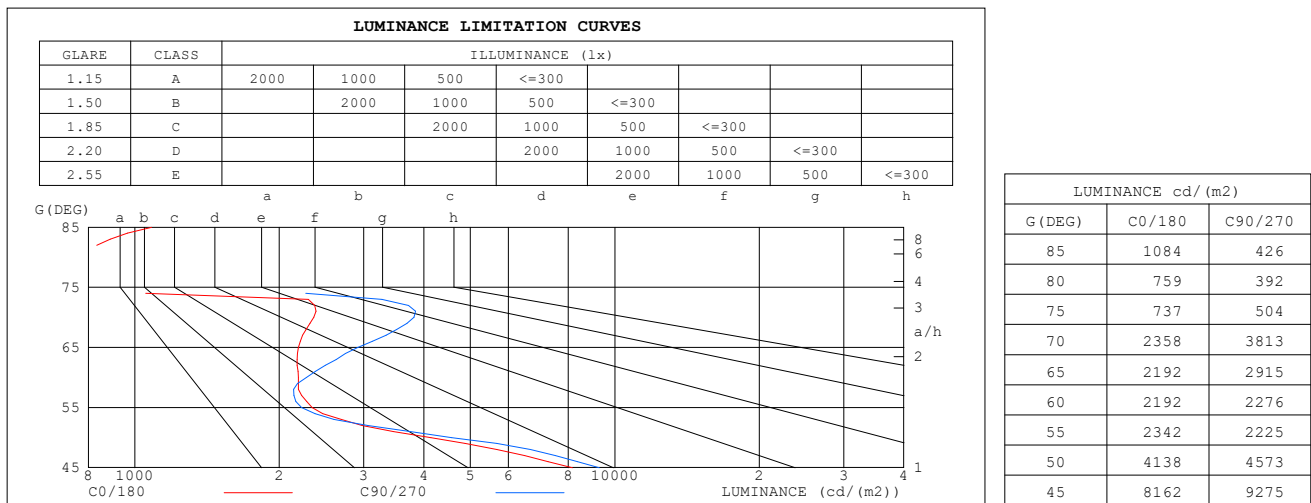
LENS:PM-1084A 24R

DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**LUMINANCE LIMITATION CURVES**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

 Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz  
 Lamp Flux:1342.44x1 lm

NAME: CTL-M-1.5S-30K-24-SQ-AD

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

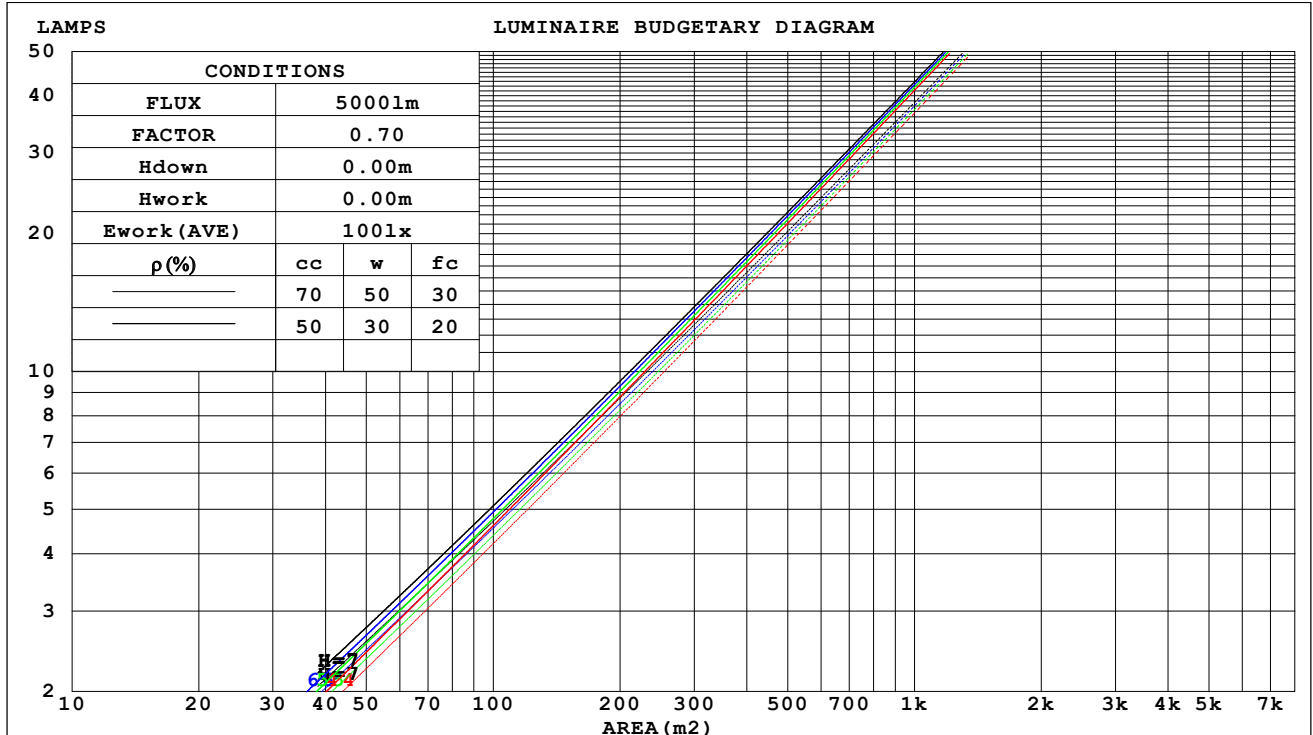
SERIAL No.: 2507050428

MFR.: MERCURY LIGHTING

SUR.: 0.001521m2

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 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

 γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**WEC AND CCEC**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.091	.052	.016	.086	.049	.016	.078	.044	.014	.070	.040	.013	.063	.036	.012	
2.0	.084	.046	.014	.080	.044	.014	.073	.041	.013	.066	.037	.012	.060	.034	.011	
3.0	.078	.041	.012	.075	.040	.012	.069	.037	.011	.063	.035	.011	.058	.032	.010	
4.0	.073	.038	.011	.070	.037	.011	.065	.035	.010	.061	.033	.010	.056	.031	.009	
5.0	.068	.035	.010	.066	.034	.010	.062	.032	.009	.058	.031	.009	.054	.029	.009	
6.0	.065	.032	.009	.063	.032	.009	.059	.030	.009	.056	.029	.009	.053	.028	.008	
7.0	.061	.030	.009	.060	.030	.008	.057	.029	.008	.054	.027	.008	.051	.026	.008	
8.0	.058	.029	.008	.057	.028	.008	.054	.027	.008	.052	.026	.008	.049	.025	.007	
9.0	.056	.027	.008	.055	.027	.007	.052	.026	.007	.050	.025	.007	.048	.024	.007	
10.0	.054	.026	.007	.052	.025	.007	.050	.025	.007	.048	.024	.007	.046	.023	.007	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.131	.131	.131	.112	.112	.112	.076	.076	.076	.044	.044	.044	.014	.014	.014	
1.0	.116	.109	.102	.099	.093	.088	.068	.064	.061	.039	.037	.035	.012	.012	.011	
2.0	.103	.092	.082	.089	.079	.071	.061	.055	.050	.035	.032	.029	.011	.010	.009	
3.0	.093	.079	.067	.080	.068	.058	.055	.047	.041	.032	.028	.024	.010	.009	.008	
4.0	.085	.068	.056	.073	.059	.049	.050	.041	.034	.029	.024	.020	.009	.008	.007	
5.0	.078	.060	.047	.067	.052	.041	.046	.036	.029	.027	.021	.017	.009	.007	.006	
6.0	.072	.053	.040	.062	.046	.035	.043	.032	.025	.025	.019	.015	.008	.006	.005	
7.0	.067	.048	.035	.057	.042	.030	.040	.029	.022	.023	.017	.013	.007	.006	.004	
8.0	.062	.043	.031	.054	.038	.027	.037	.026	.019	.022	.016	.011	.007	.005	.004	
9.0	.058	.040	.027	.050	.034	.024	.035	.024	.017	.020	.014	.010	.007	.005	.003	
10.0	.055	.036	.024	.047	.032	.021	.033	.022	.015	.019	.013	.009	.006	.004	.003	

C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**UGR(Unified Glare Rating) Table**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm											
NAME: CTL-M-1.5S-30K-24-SQ-AD						TYPE:		WEIGHT:			
SPEC.: 3000K						DIM.:		SERIAL No.: 2507050428			
MFR.: MERCURY LIGHTING						SUR.: 0.001521m2		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	6.9	7.5	7.1	7.7	7.8	7.2	7.9	7.5	8.0	8.2
	3H	7.1	7.7	7.4	7.9	8.1	7.7	8.3	8.0	8.5	8.7
	4H	7.2	7.7	7.4	8.0	8.2	7.9	8.4	8.1	8.7	8.9
	6H	7.1	7.6	7.4	7.9	8.1	7.8	8.3	8.1	8.6	8.8
	8H	7.1	7.6	7.4	7.9	8.1	7.8	8.3	8.1	8.5	8.8
	12H	7.1	7.5	7.4	7.8	8.1	7.7	8.2	8.0	8.5	8.7
4H	2H	6.9	7.4	7.1	7.6	7.9	7.2	7.8	7.5	8.0	8.2
	3H	7.3	7.8	7.6	8.1	8.3	7.9	8.4	8.3	8.7	9.0
	4H	7.4	7.9	7.7	8.1	8.5	8.1	8.6	8.4	8.9	9.2
	6H	7.3	7.7	7.7	8.1	8.4	8.0	8.4	8.4	8.7	9.1
	8H	7.3	7.7	7.7	8.0	8.4	8.0	8.3	8.4	8.7	9.1
	12H	7.3	7.6	7.7	8.0	8.4	7.9	8.2	8.3	8.6	9.0
8H	4H	7.4	7.8	7.8	8.1	8.5	8.1	8.4	8.4	8.8	9.2
	6H	7.3	7.6	7.7	8.0	8.4	7.9	8.3	8.4	8.7	9.1
	8H	7.3	7.6	7.7	8.0	8.4	7.9	8.2	8.3	8.6	9.0
	12H	7.2	7.5	7.7	7.9	8.4	7.8	8.1	8.3	8.5	9.0
12H	4H	7.3	7.7	7.7	8.1	8.5	8.0	8.3	8.4	8.7	9.1
	6H	7.3	7.5	7.7	8.0	8.4	7.9	8.2	8.3	8.6	9.0
	8H	7.2	7.5	7.7	7.9	8.4	7.8	8.1	8.3	8.5	9.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.9 / - 3.3					+ 1.9 / - 3.0					
1.5H	+ 3.2 / - 3.1					+ 3.1 / - 2.6					
2.0H	+ 3.6 / - 2.3					+ 4.1 / - 3.5					

CIE Pub.117, 1342 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)  
 Area: 0.001521 m2

C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up



**UTILIZATION FACTORS TABLE**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	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	61	57	55	60	57	54	60	56	54	52
0.80	65	62	60	65	62	59	64	61	59	57
1.00	68	65	62	67	64	62	66	64	62	59
1.25	70	67	65	70	67	65	68	66	64	62
1.50	72	69	67	71	69	67	70	68	66	63
2.00	73	71	69	72	70	68	71	69	67	64
2.50	74	72	70	73	71	70	71	70	68	64
3.00	75	73	72	74	72	71	72	70	69	65
4.00	77	75	74	75	74	73	73	72	71	66
5.00	77	76	75	76	75	74	73	73	72	67
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

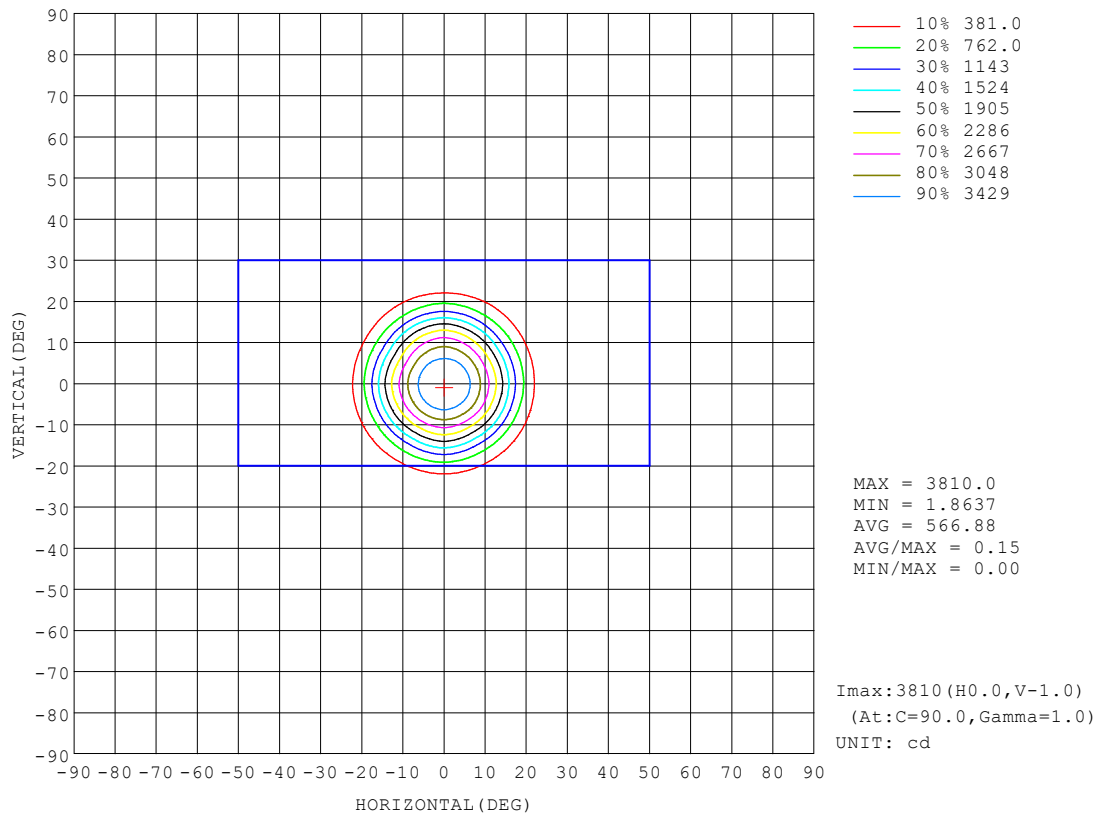
C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: zoe  
 Test Date: 2025-7-5

γ Range: 0 - 180DEG  
 γ 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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084A 24R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**ISOCANDELA DIAGRAM**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

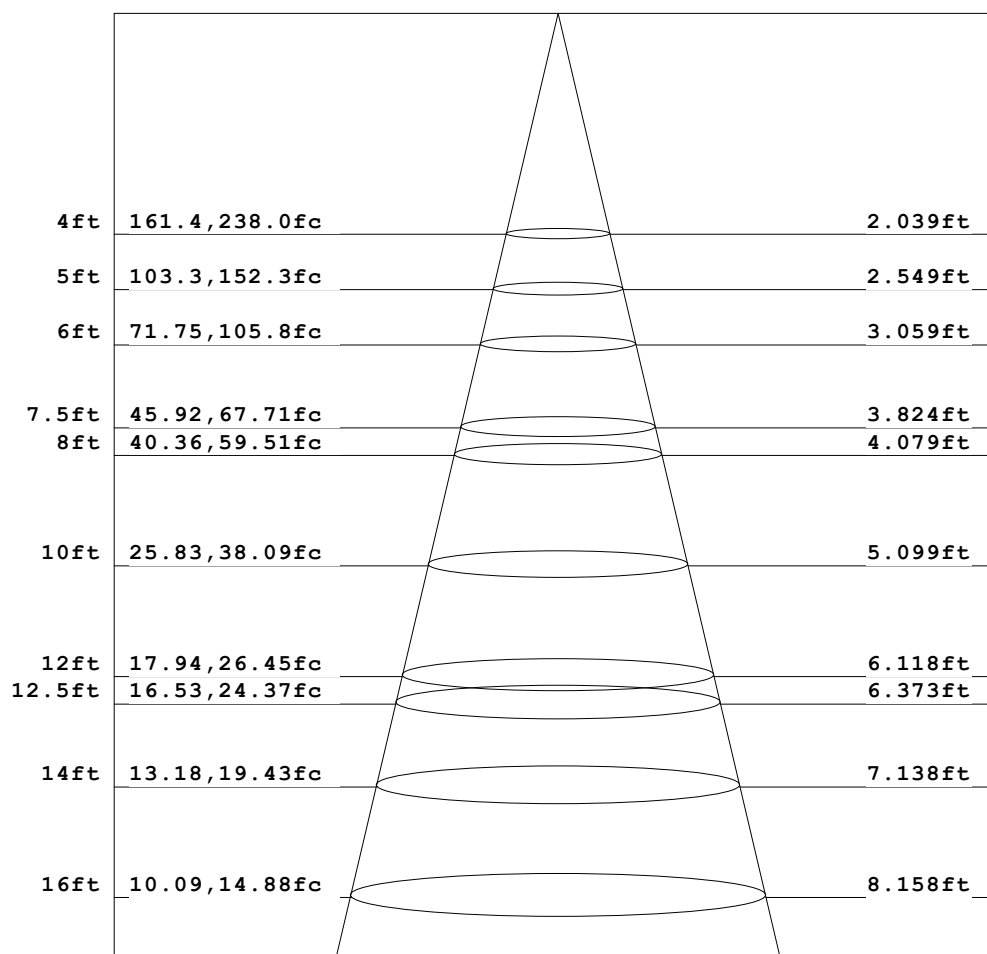
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
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 Remarks: LAMP:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**AAI Figure**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

Flux out:582.6 lm



Height Eavg, Emax Angle:28.60deg Diameter

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

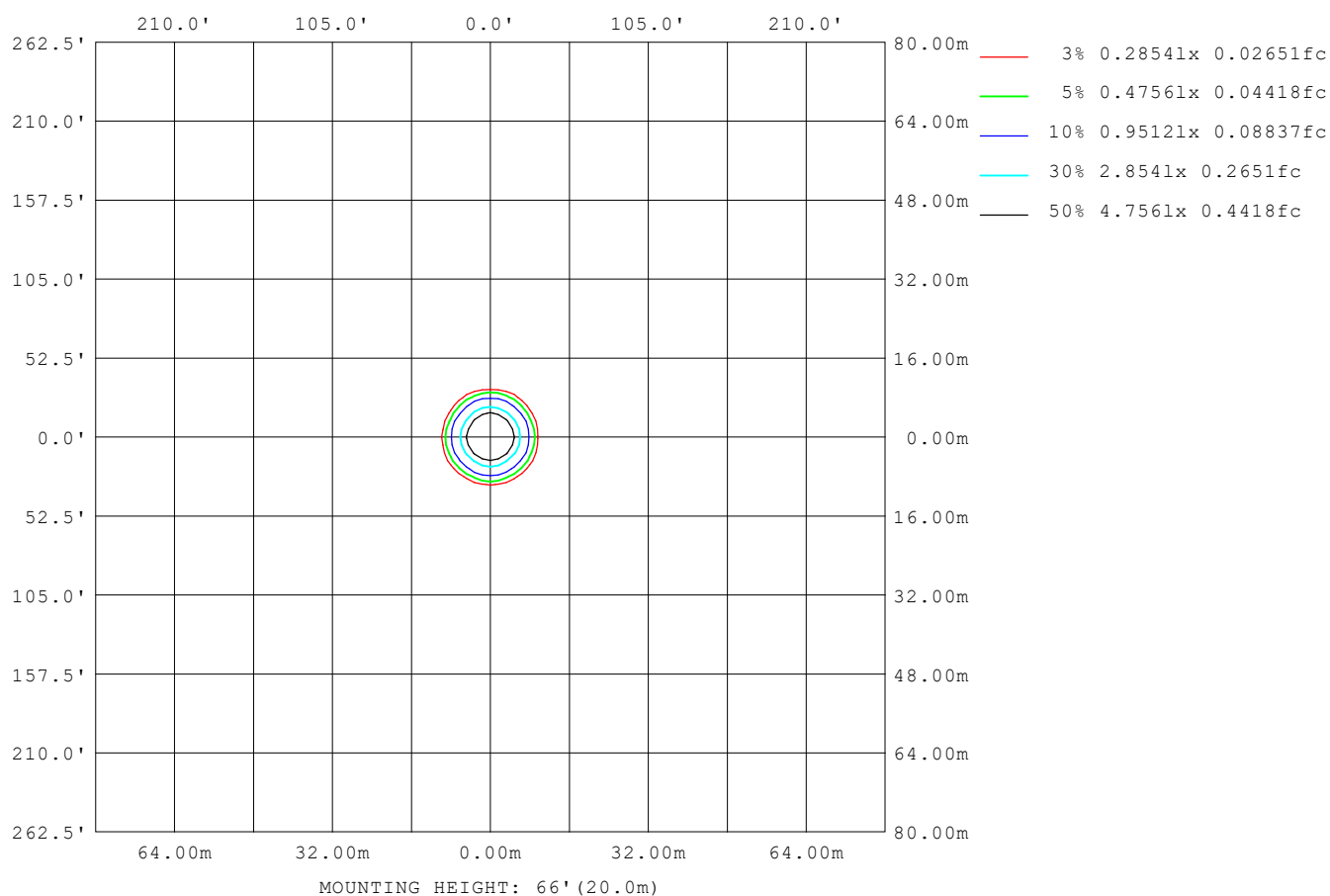
 C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

 γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**ISOLUX DIAGRAM**

<b>Test:</b> U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz <b>Lamp Flux:</b> 1342.44x1 lm		
<b>NAME:</b> CTL-M-1.5S-30K-24-SQ-AD	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b> 3000K	<b>DIM.:</b>	<b>SERIAL No.:</b> 2507050428
<b>MFR.:</b> MERCURY LIGHTING	<b>SUR.:</b> 0.001521m2	<b>Shielding Angle:</b>



**C Range:** 0 - 360DEG  
**C Interval:** FOR A 24° LENS BEAM ANGLE  
**Test Speed:** HIGH  
**Temperature:** 25.3  
**Operators:** zoe  
**Test Date:** 2025-7-5

**γ Range:** 0 - 180DEG  
**γ 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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084A 24R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

### LED Avg.L Report

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	2110
L_0~180 (75) av	652
L_0~180 (85) av	775
L_90~270 (65) av	2319
L_90~270 (75) av	566
L_90~270 (85) av	451
L_45 (65) av	2271
L_45 (75) av	1837
L_45 (85) av	357

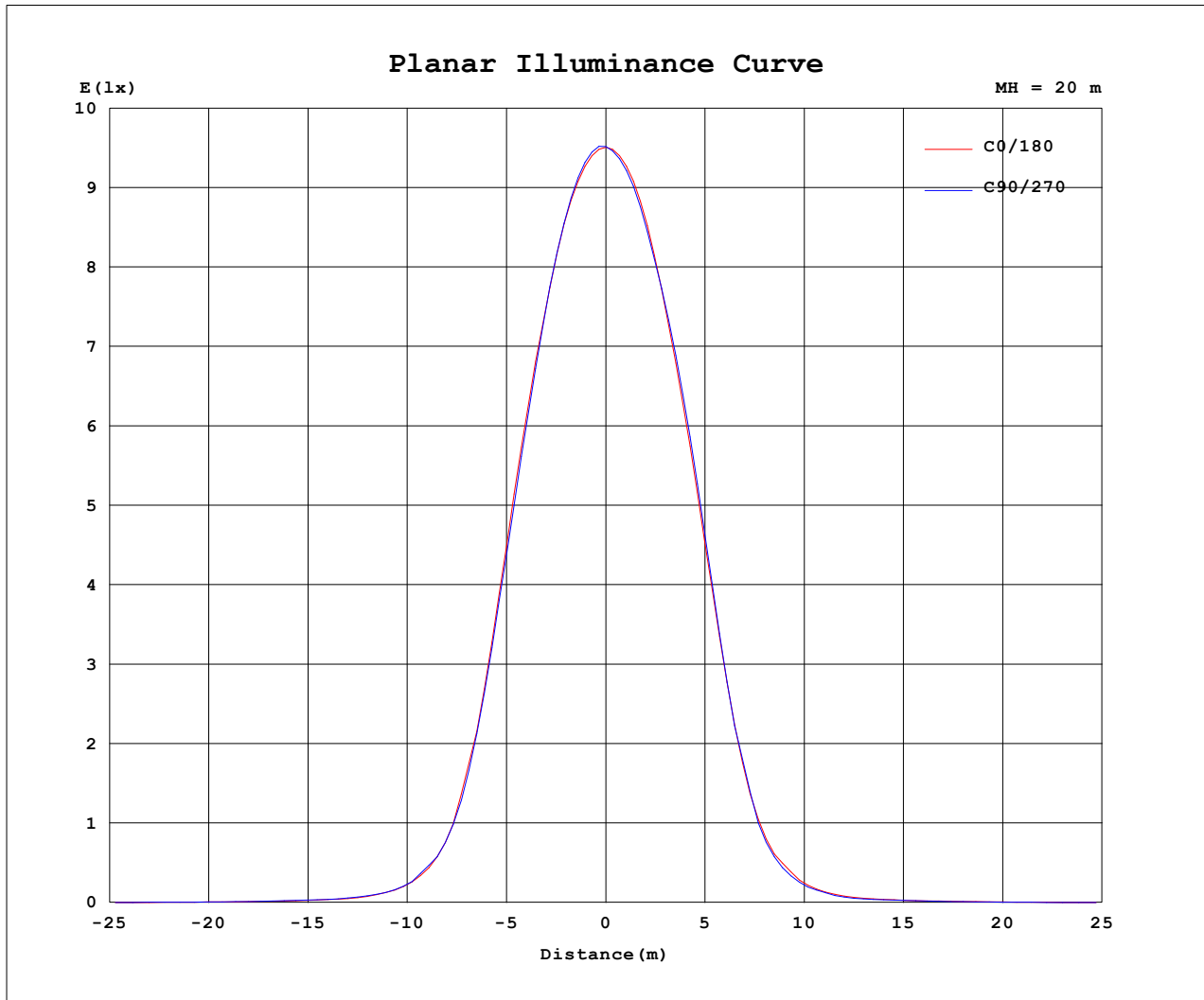
Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: FOR A 24° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

γ Range: 0 - 180DEG  
 γ 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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084A 24R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: FOR A 24° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature:25.3  
Operators:zoe  
Test Date:2025-7-5

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:BXRH-30G10T0-G-83 Ra:90  
LENS:PM-1084A 24R  
DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:120.08V I:0.1163A P:13.849W PF:0.9905 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-24-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050428
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807						
5	3581	3592	3582	3588	3581	3581	3574	3551	3548	3543	3554	3557						
10	2855	2832	2795	2816	2802	2812	2847	2759	2828	2883	2831	2795						
15	1729	1685	1597	1690	1607	1683	1751	1626	1723	1779	1708	1651						
20	660	606	577	621	611	611	661	623	623	674	626	641						
25	183	196	182	197	177	203	209	177	195	182	201	182						
30	61.5	67.6	70.4	64.7	63.1	67.6	64.7	66.0	60.6	54.7	61.9	62.1						
35	28.3	30.6	31.3	30.3	30.6	30.6	29.5	27.4	25.0	25.7	26.6	27.6						
40	16.1	16.7	17.5	18.1	17.5	17.2	17.1	15.3	14.4	15.1	14.9	15.6						
45	8.78	9.25	9.88	9.97	10.0	9.70	9.37	8.61	7.94	8.51	8.28	8.78						
50	4.05	5.00	5.18	4.47	5.41	5.26	4.20	4.53	4.17	3.13	4.40	4.67						
55	2.04	2.46	2.39	1.94	2.47	2.43	2.15	2.12	1.87	1.61	1.96	2.10						
60	1.67	1.76	1.79	1.73	1.78	1.79	1.62	1.46	1.32	1.31	1.34	1.44						
65	1.41	1.71	1.86	1.87	1.82	1.65	1.30	1.18	1.11	1.11	1.12	1.20						
70	1.23	1.60	1.91	1.98	1.84	1.49	1.11	0.90	0.86	0.91	0.85	0.95						
75	0.29	0.87	0.94	0.20	0.88	0.78	0.22	0.52	0.36	0.25	0.48	0.53						
80	0.20	0.18	0.11	0.10	0.10	0.17	0.12	0.12	0.13	0.13	0.12	0.12						
85	0.14	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.05	0.06	0.05	0.06						
90	0.04	0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.01	0.02	0.00	0.01						
95	0.23	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.02						
100	0.39	0.05	0.03	0.03	0.02	0.04	0.03	0.02	0.02	0.03	0.02	0.02						
105	0.49	0.29	0.04	0.04	0.04	0.20	0.10	0.03	0.03	0.04	0.03	0.03						
110	0.53	0.38	0.07	0.05	0.09	0.49	0.22	0.03	0.04	0.04	0.04	0.04						
115	0.58	0.43	0.10	0.06	0.12	0.54	0.33	0.04	0.04	0.05	0.04	0.04						
120	0.65	0.47	0.12	0.07	0.14	0.59	0.43	0.05	0.05	0.05	0.05	0.05						
125	0.76	0.07	0.14	0.09	0.17	0.07	0.56	0.07	0.07	0.06	0.06	0.07						
130	0.14	0.12	0.14	0.12	0.21	0.12	0.10	0.11	0.11	0.11	0.11	0.11						
135	0.33	0.64	0.37	0.31	0.41	0.76	0.23	0.23	0.24	0.24	0.24	0.24						
140	1.40	1.05	0.79	0.80	0.78	1.18	1.12	0.60	0.58	0.62	0.59	0.62						
145	2.24	1.59	1.62	1.64	1.59	1.57	1.86	1.33	1.32	1.39	1.36	1.39						
150	2.88	2.75	2.82	2.82	2.68	2.60	2.44	2.33	2.39	2.54	2.46	2.51						
155	4.42	3.88	4.07	4.12	3.79	3.50	3.59	3.23	3.47	3.69	3.60	3.58						
160	4.85	4.48	4.82	4.88	4.43	3.89	4.22	3.70	4.27	4.48	4.40	4.10						
165	4.63	4.46	4.60	4.59	4.26	3.86	3.90	3.58	4.13	4.45	4.23	4.26						
170	3.89	3.85	3.43	3.30	3.17	3.26	3.24	3.12	2.95	3.11	3.26	3.69						
175	3.04	3.06	2.76	2.53	2.68	2.59	2.58	2.41	2.55	2.46	2.65	2.93						
180	2.58	2.50	2.51	2.60	2.53	2.54	2.58	2.50	2.51	2.60	2.53	2.54						

C Range: 0 - 360DEG

C Interval: FOR A 24° LENS BEAM ANGLE

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2025-7-5

γ Range: 0 - 180DEG

γ 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:BXRH-30G10T0-G-83 Ra:90

LENS:PM-1084A 24R

DRIVER:PUP20A-1WMC 600mA

30minutes warm-up