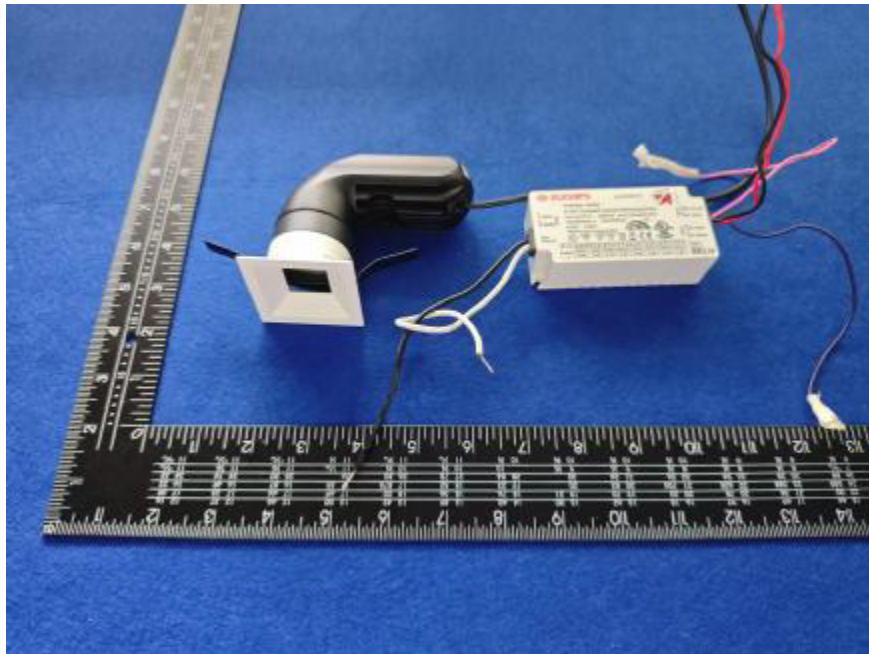


Photometric report for Flanged and Flangeless Trim



Light Output Ratio:	54.2%	
Luminaire Power:	13.87 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG  
C Interval: FOR A 15° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature: 25.3  
Operators: zoe  
Test Date: 2025-7-5

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: BXRH-30G10T0-G-83 Ra: 90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 600mA  
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

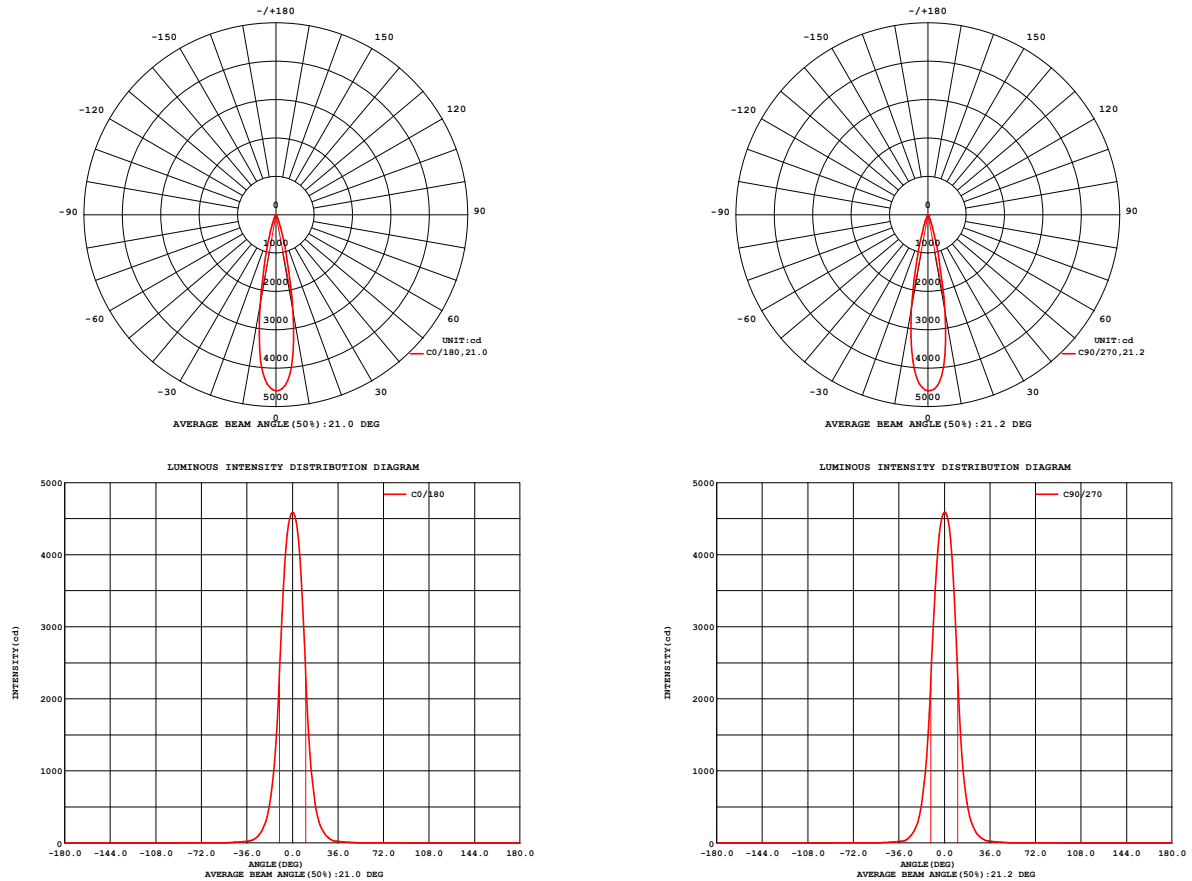


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG  
C Interval: FOR A 15° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature: 25.3  
Operators: zoe  
Test Date: 2025-7-5

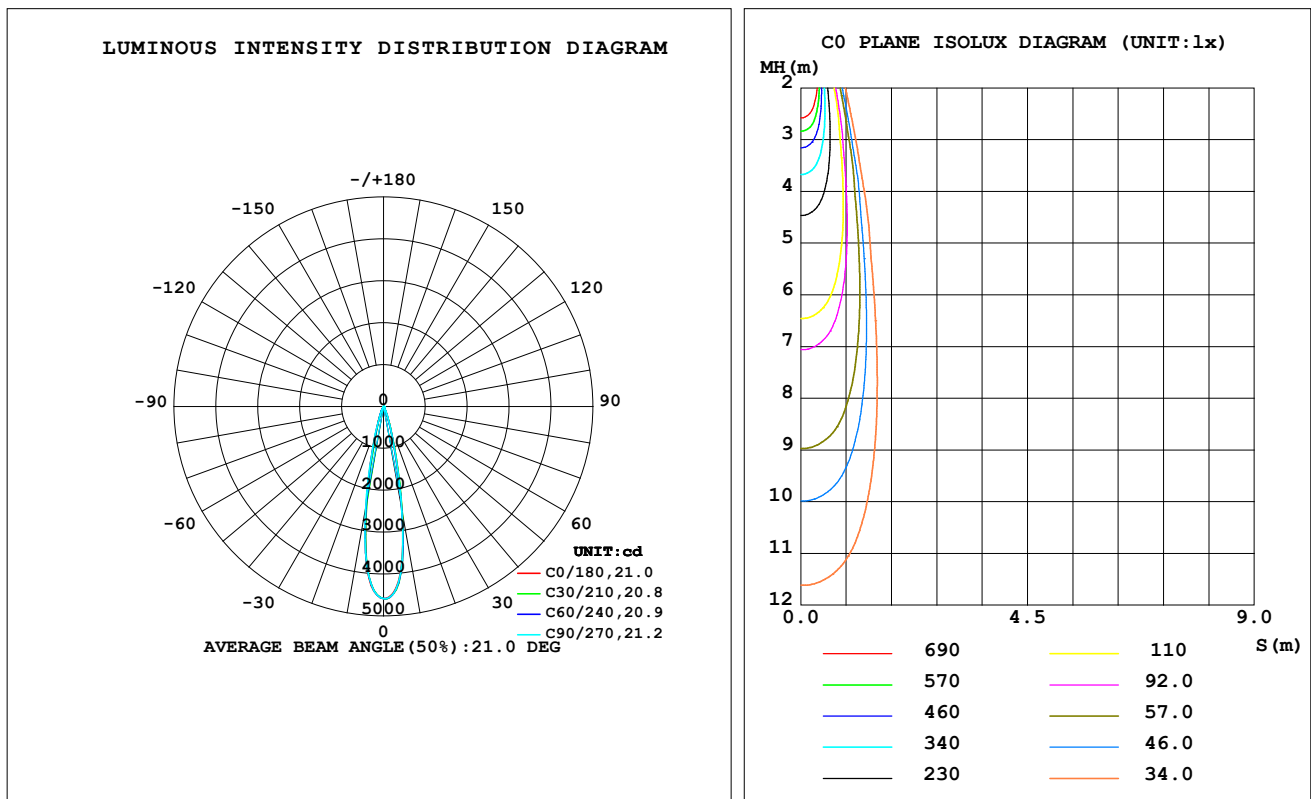
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: BXRH-30G10T0-G-83 Ra: 90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.47 lm/W			
MODEL	Brideglux	I <sub>max</sub> (cd)	4589	S/MH (C0/180)	0.34
NOMINAL POWER (W)	13	LOR (%)	54.2	S/MH (C90/270)	0.35
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	727.79	☒ UP, DN (C0-180)	0.0, 27.6
NOMINAL FLUX (lm)	1342.44	CIE CLASS	DIRECT	☒ UP, DN (C180-360)	0.0, 26.6
LAMPS INSIDE	1	☒ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	120	☒ down (%)	54.2	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: zoe  
 Test Date: 2025-7-5

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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

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

°	C0	C45	C90	C135	C180	C225	C270	C315	°	zone	total	%lum,lamp
10	2574	2567	2545	2417	2381	2331	2503	2467	0- 10	340.1	340.1	46.7,25.3
20	367.0	355.8	376.8	344.8	357.5	337.5	351.5	353.9	10- 20	282.6	622.7	85.6,46.4
30	51.46	68.00	60.51	65.50	53.69	60.43	42.16	61.81	20- 30	73.66	696.4	95.7,51.9
40	15.69	16.03	17.43	16.86	16.89	14.71	14.28	14.37	30- 40	18.60	715.0	98.2,53.3
50	4.656	5.391	5.025	5.872	5.141	4.979	3.691	4.892	40- 50	7.354	722.3	99.2,53.8
60	2.188	2.295	2.283	2.332	2.153	1.769	1.694	1.767	50- 60	2.641	725.0	99.6,54
70	1.675	2.353	2.651	2.250	1.532	1.152	1.198	1.176	60- 70	1.890	726.8	99.9,54.1
80	0.2386	0.1875	0.1223	0.1757	0.1498	0.1522	0.1685	0.1580	70- 80	0.8664	727.7	100,54.2
90	0	0	0	0	0	0	0	0	80- 90	0.0828	727.8	100,54.2
100	0	0	0	0	0	0	0	0	90-100	0	727.8	100,54.2
110	0	0	0	0	0	0	0	0	100-110	0	727.8	100,54.2
120	0	0	0	0	0	0	0	0	110-120	0	727.8	100,54.2
130	0	0	0	0	0	0	0	0	120-130	0	727.8	100,54.2
140	0	0	0	0	0	0	0	0	130-140	0	727.8	100,54.2
150	0	0	0	0	0	0	0	0	140-150	0	727.8	100,54.2
160	0	0	0	0	0	0	0	0	150-160	0	727.8	100,54.2
170	0	0	0	0	0	0	0	0	160-170	0	727.8	100,54.2
180	0	0	0	0	0	0	0	0	170-180	0	727.8	100,54.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

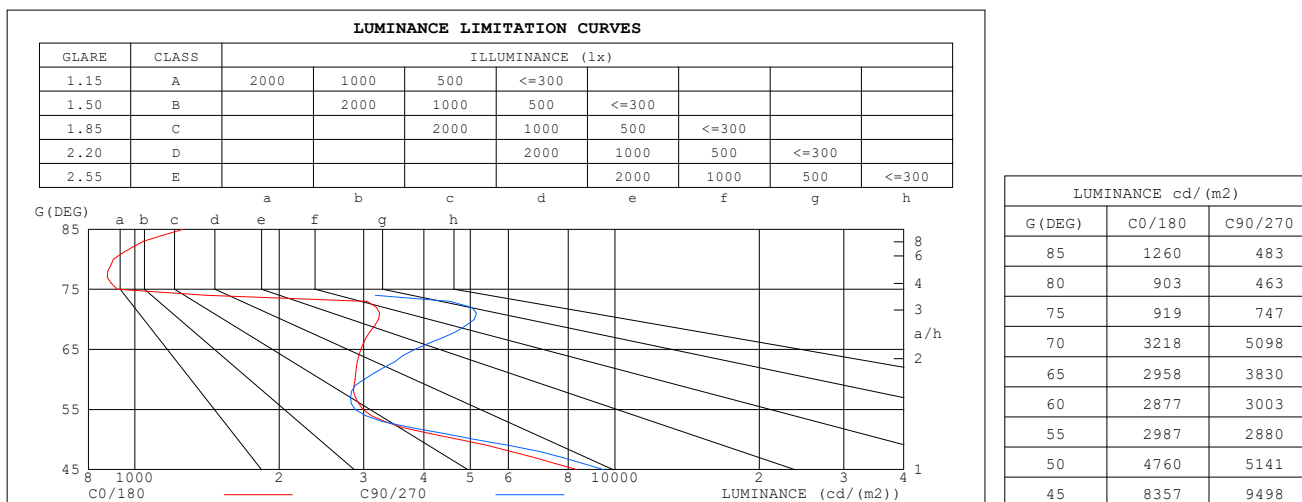
C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

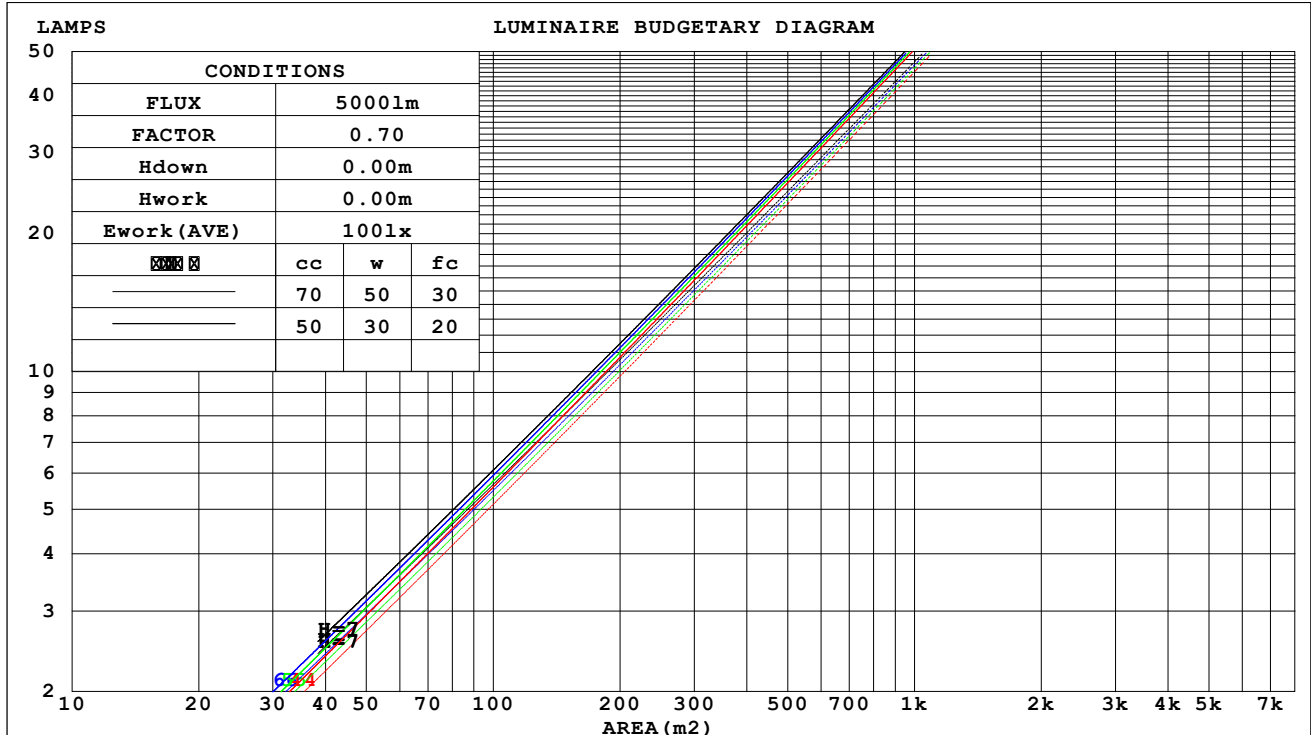
Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:3.160m [K=1.0000]  
 Remarks: LAMP:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	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	.65	.65	.65	.63	.63	.63	.60	.60	.60	.58	.58	.58	.55	.55	.55	.54														
1.0	.61	.60	.60	.60	.59	.59	.58	.57	.57	.56	.56	.55	.54	.54	.54	.53														
2.0	.59	.57	.56	.58	.57	.55	.56	.55	.54	.55	.54	.53	.53	.53	.52	.51														
3.0	.57	.55	.53	.56	.54	.53	.55	.53	.52	.53	.52	.51	.52	.51	.51	.50														
4.0	.55	.53	.51	.54	.52	.51	.53	.51	.50	.52	.51	.50	.51	.50	.49	.49														
5.0	.53	.51	.49	.52	.51	.49	.52	.50	.49	.51	.49	.48	.50	.49	.48	.47														
6.0	.51	.49	.48	.51	.49	.48	.50	.49	.47	.50	.48	.47	.49	.48	.47	.46														
7.0	.50	.48	.47	.50	.48	.46	.49	.47	.46	.49	.47	.46	.48	.47	.46	.45														
8.0	.49	.47	.45	.48	.47	.45	.48	.46	.45	.48	.46	.45	.47	.46	.45	.44														
9.0	.48	.46	.44	.47	.45	.44	.47	.45	.44	.47	.45	.44	.46	.45	.44	.43														
10.0	.47	.45	.43	.46	.44	.43	.46	.44	.43	.46	.44	.43	.45	.44	.43	.43														



C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**WEC AND CCEC**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

ꠁcc	80%			70%			50%			30%			10%			0
ꠁw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ꠁfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.070	.040	.013	.066	.038	.012	.060	.034	.011	.054	.031	.010	.048	.028	.009	
2.0	.064	.035	.011	.061	.034	.010	.056	.031	.010	.051	.029	.009	.046	.026	.008	
3.0	.060	.032	.010	.057	.031	.009	.053	.029	.009	.048	.027	.008	.045	.025	.008	
4.0	.056	.029	.008	.054	.028	.008	.050	.026	.008	.046	.025	.007	.043	.023	.007	
5.0	.052	.027	.008	.050	.026	.008	.047	.024	.007	.044	.023	.007	.041	.022	.007	
6.0	.049	.025	.007	.047	.024	.007	.045	.023	.007	.042	.022	.006	.040	.021	.006	
7.0	.046	.023	.006	.045	.022	.006	.043	.022	.006	.040	.021	.006	.038	.020	.006	
8.0	.044	.021	.006	.043	.021	.006	.041	.020	.006	.039	.020	.006	.037	.019	.006	
9.0	.042	.020	.006	.041	.020	.006	.039	.019	.005	.037	.019	.005	.036	.018	.005	
10.0	.040	.019	.005	.039	.019	.005	.037	.018	.005	.036	.018	.005	.034	.017	.005	

ꠁcc	80%			70%			50%			30%			10%			0
ꠁw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ꠁfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.103	.103	.103	.088	.088	.088	.060	.060	.060	.035	.035	.035	.011	.011	.011	
1.0	.091	.086	.081	.078	.073	.069	.053	.050	.048	.031	.029	.028	.010	.009	.009	
2.0	.081	.072	.064	.069	.062	.056	.047	.043	.039	.027	.025	.023	.009	.008	.007	
3.0	.072	.061	.053	.062	.053	.046	.043	.037	.032	.025	.021	.019	.008	.007	.006	
4.0	.065	.053	.043	.056	.046	.038	.039	.032	.027	.022	.019	.016	.007	.006	.005	
5.0	.059	.046	.036	.051	.040	.032	.035	.028	.022	.020	.016	.013	.007	.005	.004	
6.0	.054	.041	.031	.047	.035	.027	.032	.025	.019	.019	.015	.011	.006	.005	.004	
7.0	.050	.036	.026	.043	.031	.023	.030	.022	.016	.017	.013	.010	.006	.004	.003	
8.0	.047	.032	.023	.040	.028	.020	.028	.020	.014	.016	.012	.008	.005	.004	.003	
9.0	.043	.029	.020	.037	.025	.017	.026	.018	.012	.015	.011	.007	.005	.003	.002	
10.0	.041	.027	.017	.035	.023	.015	.024	.016	.011	.014	.010	.006	.005	.003	.002	

C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**UGR(Unified Glare Rating) Table**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm											
NAME: CTL-M-1.5S-30K-15-SQ-AD						TYPE:		WEIGHT:			
SPEC.: 3000K						DIM.:		SERIAL No.: 2507050427			
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	7.5	8.1	7.7	8.2	8.4	8.1	8.6	8.3	8.8	8.9	
	3H	8.1	8.6	8.3	8.8	9.0	9.0	9.5	9.2	9.7	9.9
	4H	8.2	8.8	8.5	9.0	9.2	9.2	9.8	9.5	10.0	10.2
	6H	8.2	8.7	8.4	8.9	9.1	9.2	9.7	9.4	9.9	10.1
	8H	8.1	8.6	8.4	8.9	9.1	9.1	9.6	9.4	9.8	10.1
	12H	8.1	8.6	8.4	8.8	9.1	9.1	9.5	9.4	9.8	10.1
4H	2H	7.6	8.2	7.9	8.4	8.6	8.2	8.7	8.4	8.9	9.1
	3H	8.5	9.0	8.8	9.2	9.5	9.4	9.9	9.7	10.1	10.4
	4H	8.7	9.2	9.1	9.4	9.7	9.7	10.1	10.0	10.4	10.7
	6H	8.7	9.1	9.0	9.4	9.7	9.6	10.0	10.0	10.3	10.7
	8H	8.6	9.0	9.0	9.3	9.7	9.6	9.9	9.9	10.3	10.6
	12H	8.6	8.9	9.0	9.3	9.7	9.5	9.8	9.9	10.2	10.6
8H	4H	8.8	9.2	9.2	9.5	9.9	9.7	10.1	10.1	10.4	10.8
	6H	8.7	9.0	9.2	9.4	9.8	9.6	9.9	10.0	10.3	10.7
	8H	8.7	9.0	9.1	9.4	9.8	9.5	9.8	10.0	10.2	10.7
	12H	8.7	8.9	9.1	9.3	9.8	9.5	9.7	9.9	10.1	10.6
12H	4H	8.7	9.1	9.1	9.4	9.8	9.6	10.0	10.0	10.3	10.7
	6H	8.7	8.9	9.1	9.4	9.8	9.5	9.8	10.0	10.2	10.7
	8H	8.6	8.9	9.1	9.3	9.8	9.5	9.7	9.9	10.1	10.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.4 / - 2.1					+ 1.4 / - 1.9					
1.5H	+ 2.3 / - 1.9					+ 2.2 / - 1.5					
2.0H	+ 2.8 / - 1.9					+ 3.3 / - 3.1					

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 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up



**UTILIZATION FACTORS TABLE**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
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) $k(RI) \times RCR = 5$									
$k = 0.60$	49	46	44	49	46	44	48	46	44	42
0.80	53	50	48	53	50	48	52	49	48	46
1.00	55	52	50	54	52	50	54	52	50	48
1.25	57	54	53	56	54	52	55	53	52	50
1.50	58	56	54	58	55	54	56	55	53	51
2.00	59	57	56	59	57	55	57	56	55	52
2.50	60	58	57	59	58	56	58	56	55	52
3.00	61	59	58	60	59	57	58	57	56	53
4.00	62	61	60	61	60	59	59	58	57	54
5.00	63	62	61	62	61	60	59	59	58	54
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

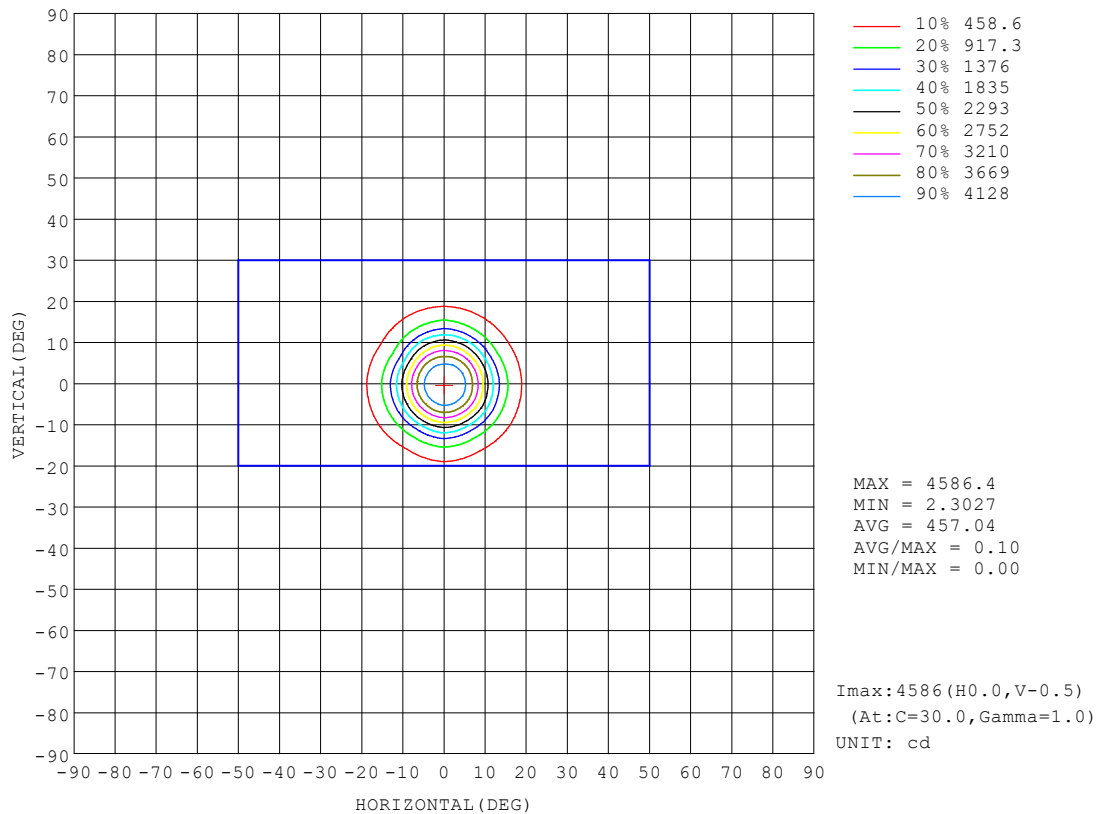
C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: zoe  
 Test Date: 2025-7-5

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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**ISOCANDELA DIAGRAM**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

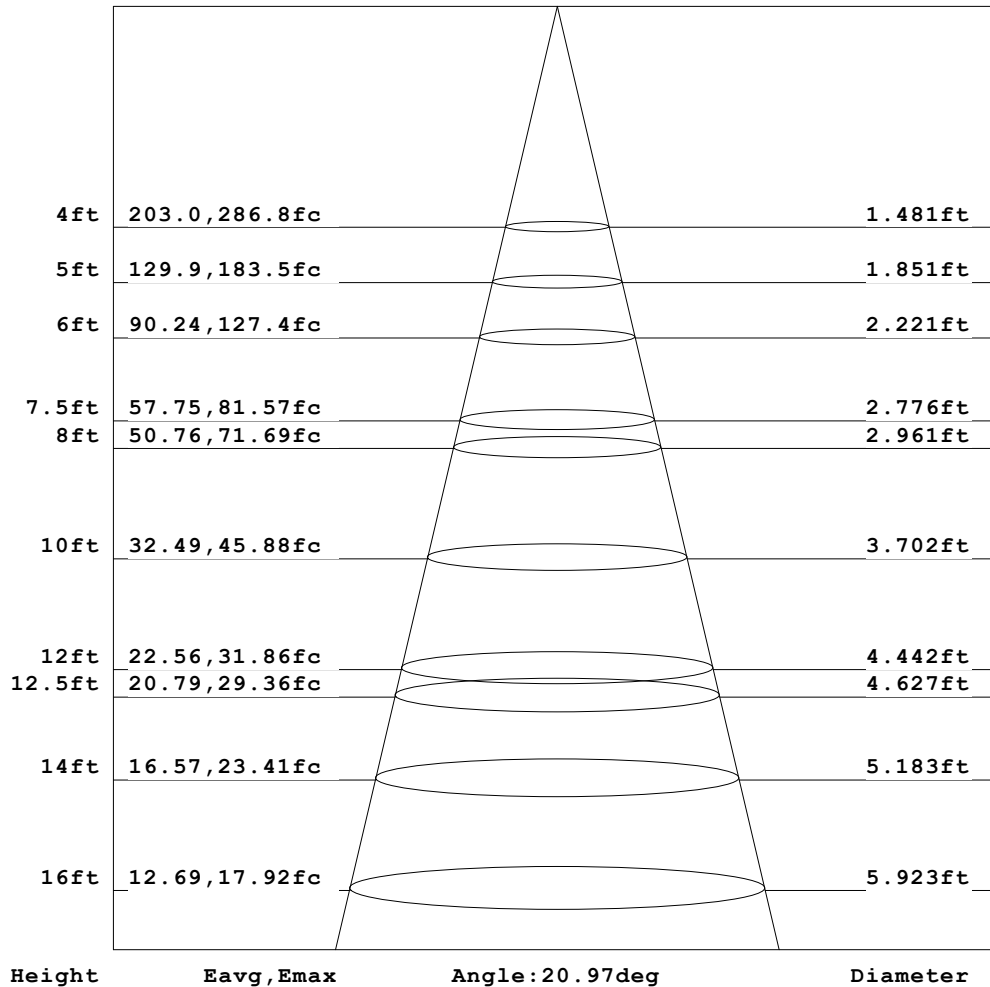
Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:3.160m [K=1.0000]  
 Remarks: LAMP:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA

30minutes warm-up

**AAI Figure**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

Flux out:385.6 lm



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

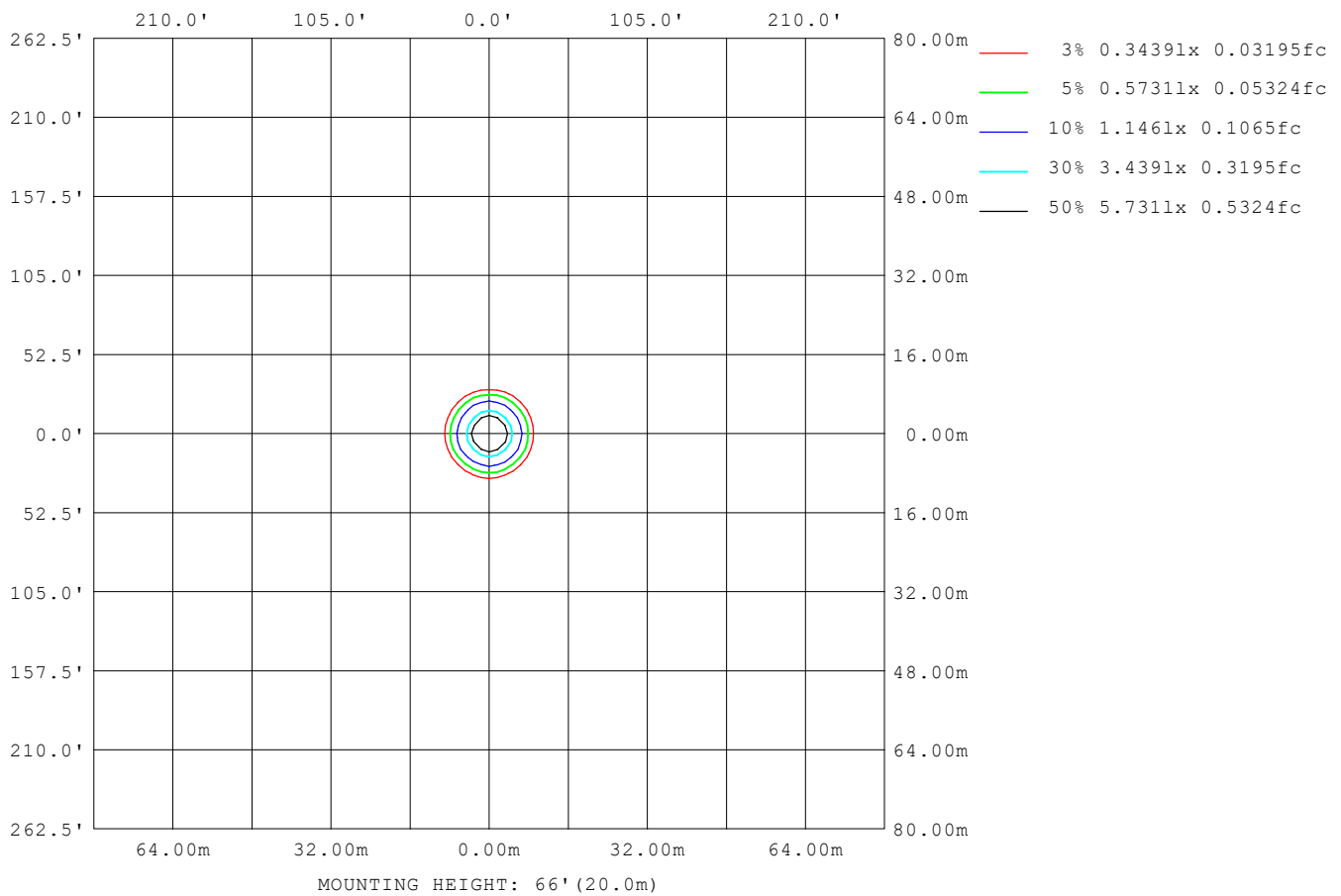
C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature: 25.3  
 Operators: zoe  
 Test Date: 2025-7-5

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: BXRH-30G10T0-G-83 Ra: 90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**ISOLUX DIAGRAM**

<b>Test:</b> U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz <b>Lamp Flux:</b> 1342.44x1 lm		
<b>NAME:</b> CTL-M-1.5S-30K-15-SQ-AD	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b> 3000K	<b>DIM.:</b>	<b>SERIAL No.:</b> 2507050427
<b>MFR.:</b> MERCURY LIGHTING	<b>SUR.:</b> 0.001521m2	<b>Shielding Angle:</b>



**C Range:** 0 - 360DEG  
**C Interval:** FOR A 15° LENS BEAM ANGLE  
**Test Speed:** HIGH  
**Temperature:** 25.3  
**Operators:** zoe  
**Test Date:** 2025-7-5

**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: BXRH-30G10T0-G-83 Ra:90  
 LENS: PM-1084 15R  
 DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**LED Avg.L Report**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

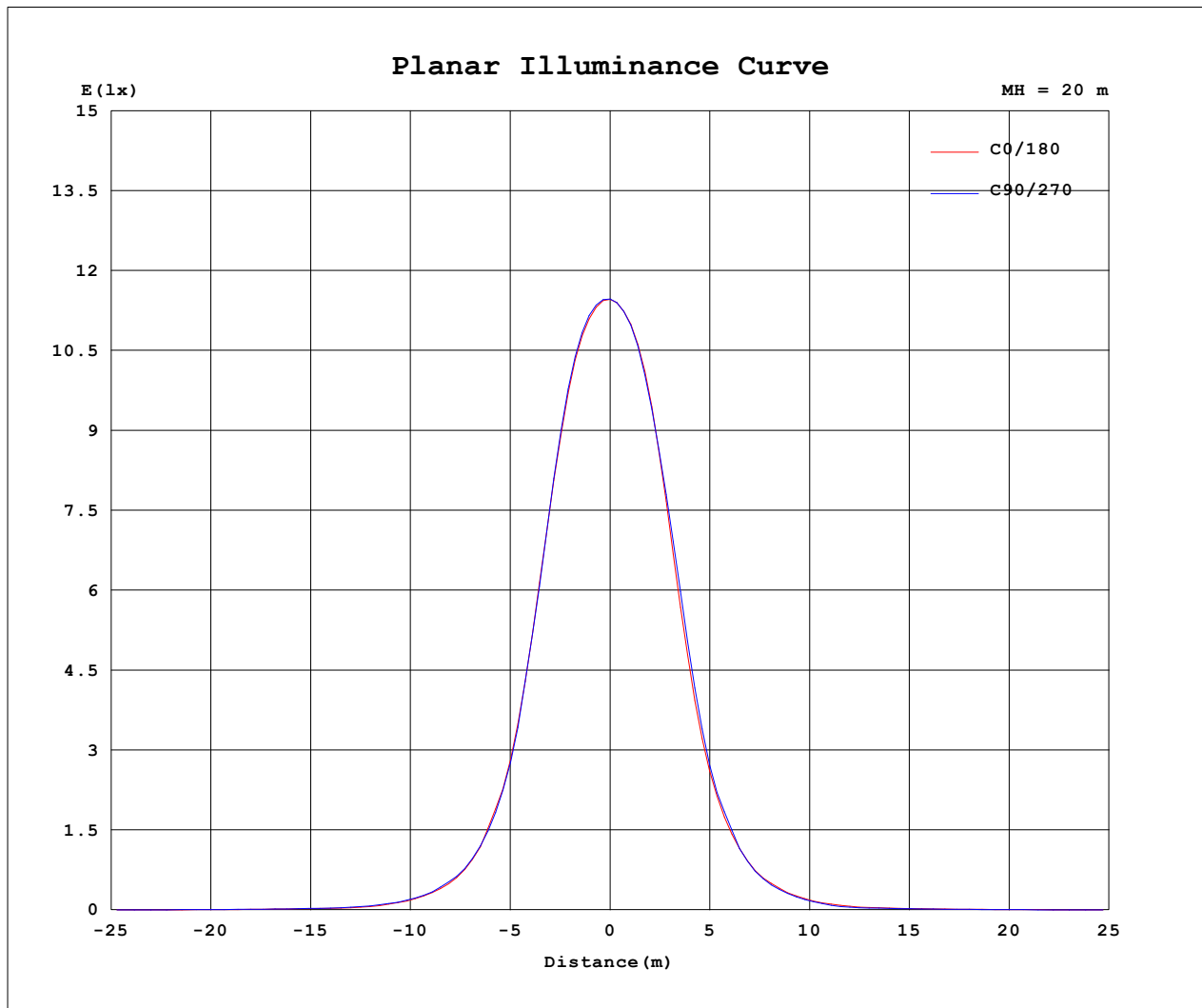
AvgL	cd/m2
L_0~180 (65) av	2862
L_0~180 (75) av	818
L_0~180 (85) av	893
L_90~270 (65) av	3039
L_90~270 (75) av	780
L_90~270 (85) av	501
L_45 (65) av	2974
L_45 (75) av	2389
L_45 (85) av	424

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: FOR A 15° LENS BEAM ANGLE  
 Test Speed: HIGH  
 Temperature:25.3  
 Operators:zoe  
 Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90  
 LENS:PM-1084 15R  
 DRIVER:PUP20A-1WMC 600mA  
 30minutes warm-up

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: FOR A 15° LENS BEAM ANGLE  
Test Speed: HIGH  
Temperature: 25.3  
Operators: zoe  
Test Date: 2025-7-5

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: BXRH-30G10T0-G-83 Ra: 90  
LENS: PM-1084 15R  
DRIVER: PUP20A-1WMC 600mA

30minutes warm-up

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:120.11V I:0.1164A P:13.871W PF:0.9906 Freq:59.98Hz Lamp Flux:1342.44x1 lm		
NAME: CTL-M-1.5S-30K-15-SQ-AD	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2507050427
MFR.: MERCURY LIGHTING	SUR.: 0.001521m2	Shielding Angle:

Table--1

UNIT: cd

C (DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4587	4587	4587	4587	4587	4587	4587	4587	4587	4587	4587	4587						
5	4178	4222	4205	4200	4142	4103	4094	4055	4069	4064	4123	4157						
10	2574	2602	2533	2545	2437	2397	2381	2262	2399	2503	2463	2472						
15	1010	1005	931	999	901	928	948	829	908	978	917	899						
20	367	368	343	377	335	354	358	329	346	352	356	352						
25	144	156	155	149	149	146	142	151	149	134	156	155						
30	51.5	65.8	70.2	60.5	67.6	63.4	53.7	64.0	56.9	42.2	61.2	62.4						
35	24.5	28.7	30.9	26.9	31.9	29.1	25.9	27.5	23.1	22.5	25.0	25.1						
40	15.7	15.7	16.4	17.4	17.0	16.7	16.9	15.2	14.3	14.3	14.2	14.5						
45	8.99	9.18	9.78	10.2	10.1	10.1	10.0	9.08	8.48	8.22	8.35	8.73						
50	4.66	5.30	5.48	5.02	5.84	5.90	5.14	5.23	4.73	3.69	4.80	4.98						
55	2.61	2.96	2.91	2.51	3.06	3.09	2.77	2.63	2.27	2.04	2.36	2.50						
60	2.19	2.27	2.32	2.28	2.33	2.34	2.15	1.86	1.68	1.69	1.70	1.83						
65	1.90	2.24	2.45	2.46	2.41	2.22	1.78	1.53	1.42	1.45	1.43	1.57						
70	1.67	2.16	2.54	2.65	2.46	2.04	1.53	1.19	1.12	1.20	1.10	1.25						
75	0.36	1.17	1.30	0.29	1.20	1.02	0.28	0.62	0.39	0.32	0.61	0.66						
80	0.24	0.24	0.14	0.12	0.13	0.22	0.15	0.15	0.16	0.17	0.16	0.16						
85	0.17	0.07	0.06	0.06	0.06	0.06	0.07	0.05	0.05	0.07	0.06	0.07						
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 15° LENS BEAM ANGLE

Test Speed: HIGH

Temperature:25.3

Operators:zoe

Test Date:2025-7-5

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:BXRH-30G10T0-G-83 Ra:90

LENS:PM-1084 15R

DRIVER:PUP20A-1WMC 600mA

30minutes warm-up