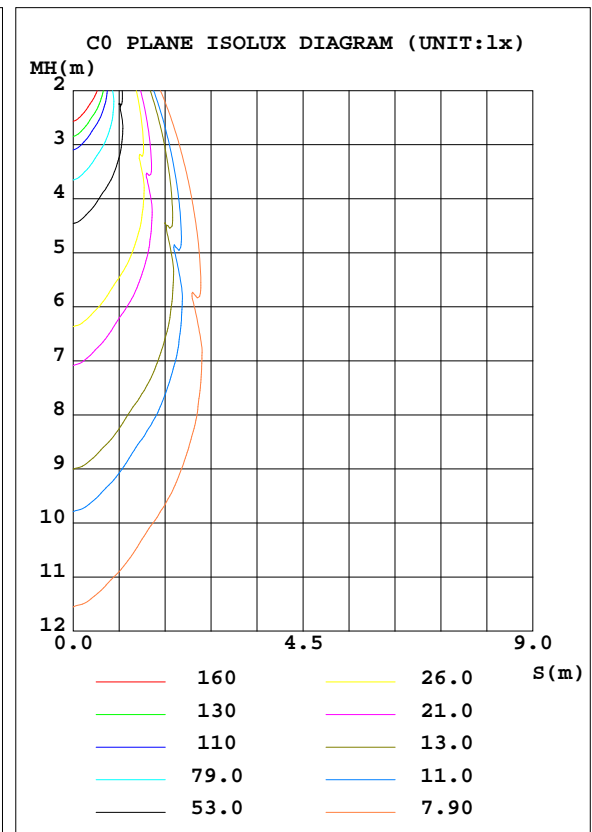
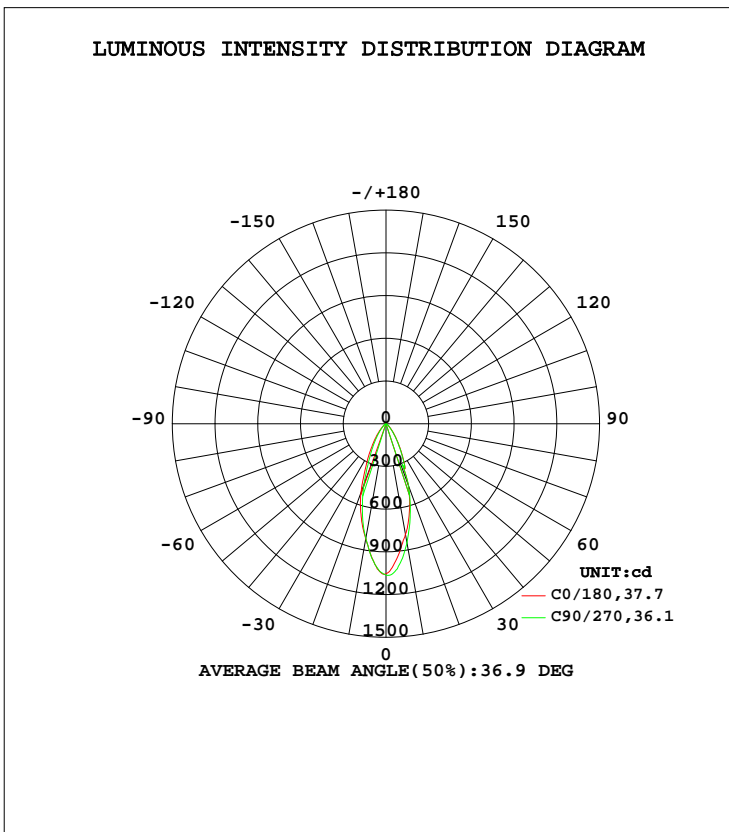


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.60 lm/W			
MODEL		I _{max} (cd)	1065	S/MH(C0/180)	0.62
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)		TOTAL FLUX(lm)	555.40	η UP, DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	555.402	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)		η down(%)	100.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators: CWQ
 Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:43%
 Test Distance:3.170m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	788.7	815.8	849.6	809.9	821.3	799.3	817.1	806.4	0- 10	87.50	87.50	15.8,15.8
20	456.9	472.9	463.8	474.9	514.0	485.6	452.6	466.4	10- 20	179.0	266.5	48,48
30	197.8	202.8	190.3	206.3	223.3	211.3	182.7	199.9	20- 30	142.4	408.9	73.6,73.6
40	75.67	79.61	68.46	76.10	86.93	82.08	67.28	76.16	30- 40	80.28	489.2	88.1,88.1
50	26.34	30.74	24.63	26.49	29.66	30.82	24.57	26.66	40- 50	36.18	525.4	94.6,94.6
60	11.37	12.82	11.28	11.28	12.65	12.71	11.33	11.69	50- 60	16.34	541.7	97.5,97.5
70	5.773	5.843	5.637	5.641	5.935	5.814	5.692	5.692	60- 70	8.334	550.0	99,99
80	2.409	2.342	2.301	2.302	2.471	2.378	2.379	2.377	70- 80	4.213	554.3	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	1.145	555.4	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 511.09 lm

%lum = 92.0%

%lamp = 92.0%

Conical surface Flux(120deg): 541.71 lm

%lum = 97.5%

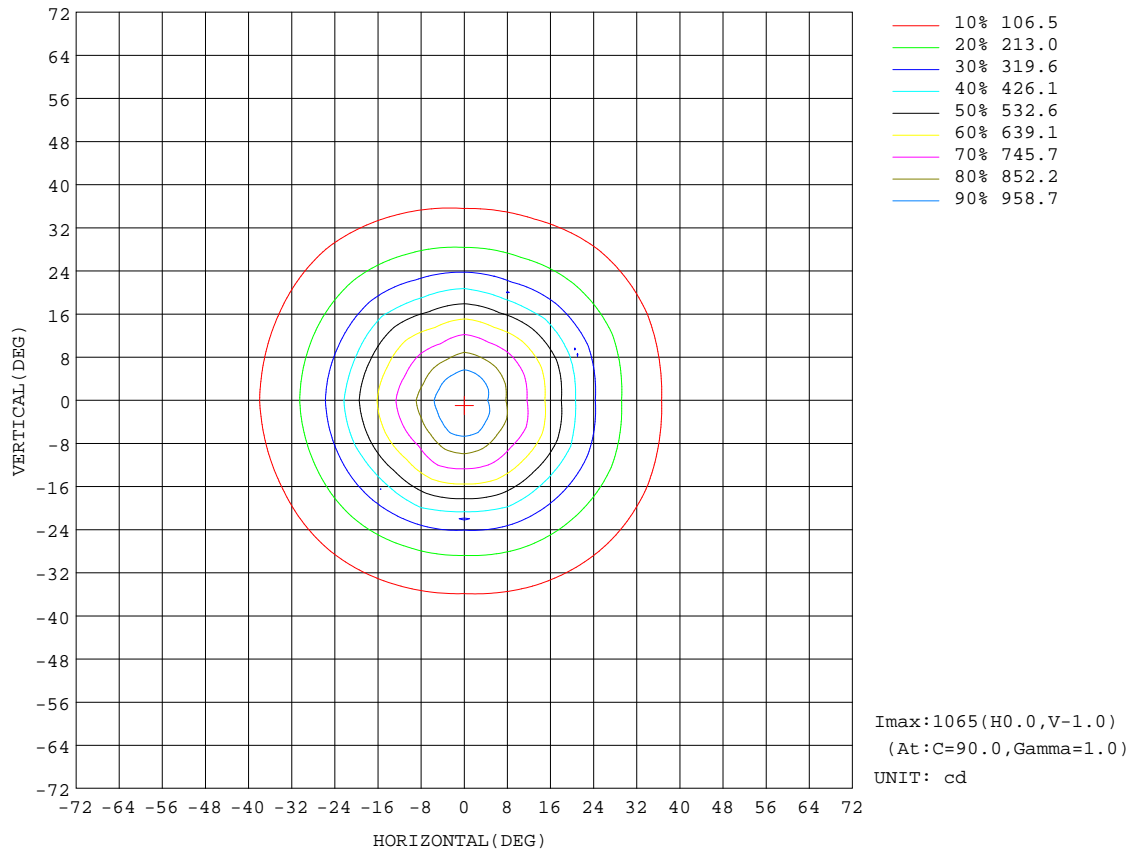
%lamp = 97.5%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators: CWQ
 Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:43%
 Test Distance:3.170m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

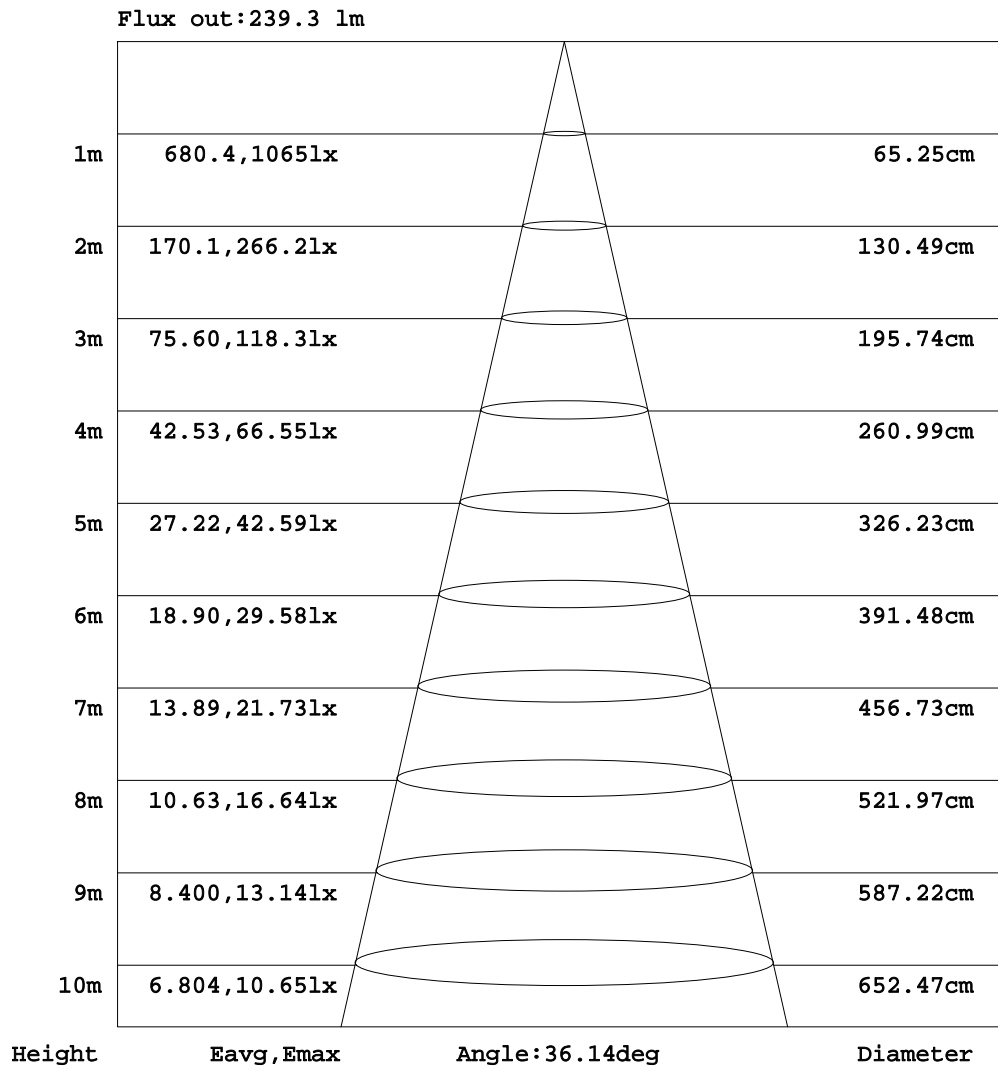


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CWQ
 Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:43%
 Test Distance:3.170m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



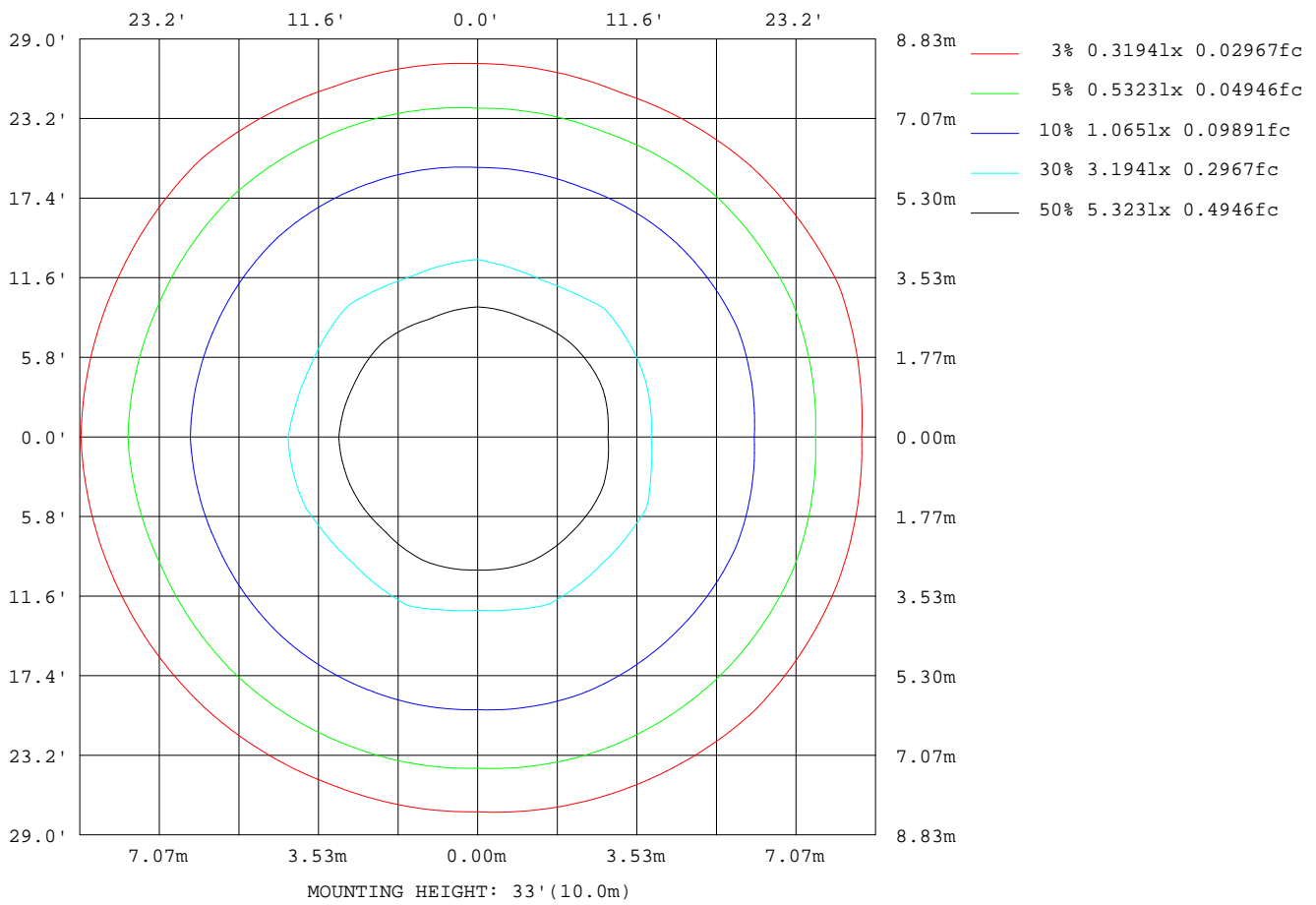
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators:CWQ
 Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:43%
 Test Distance:3.170m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.2DEG
 Operators: CWQ
 Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity:43%
 Test Distance:3.170m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

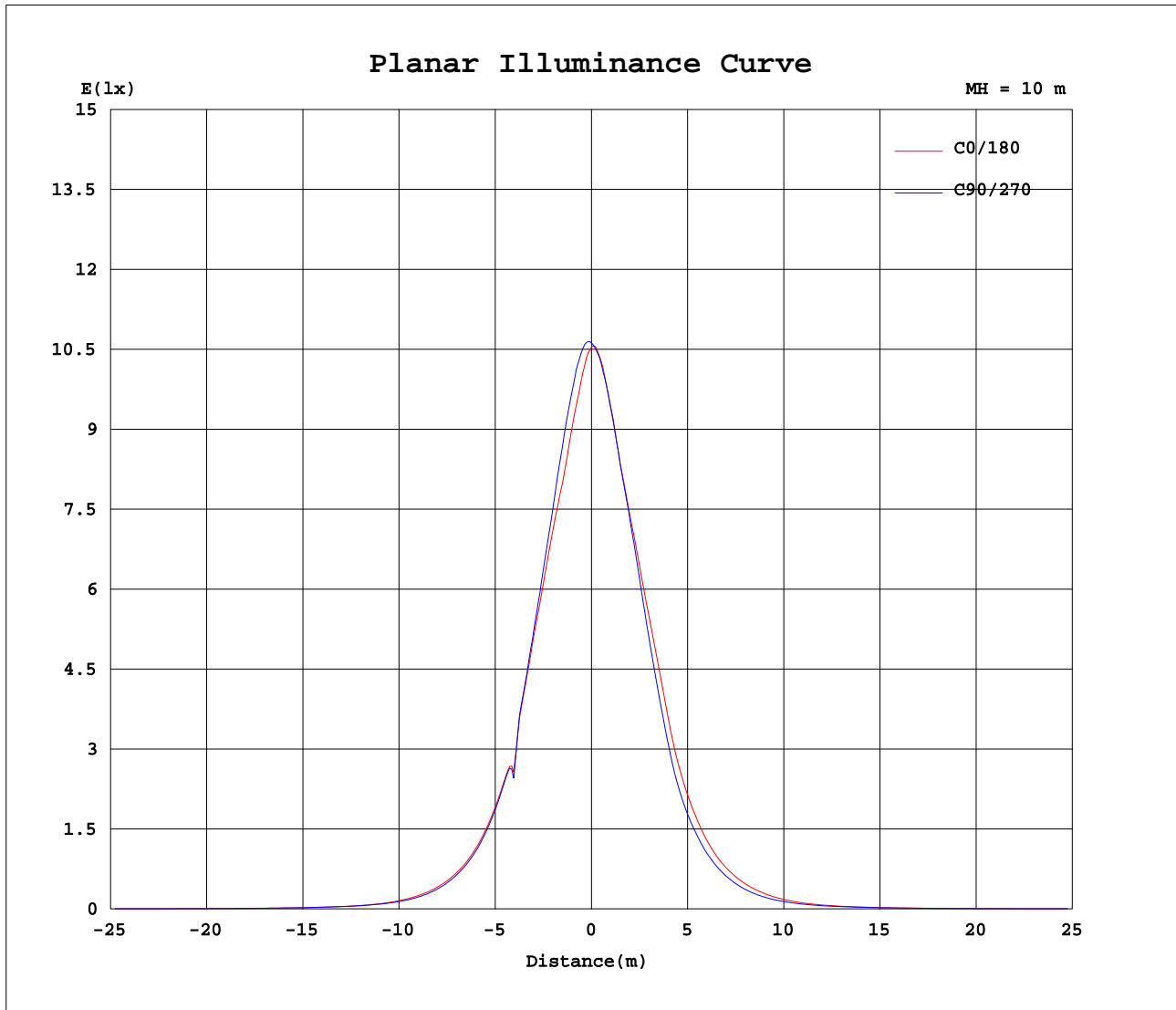
AvgL	cd/m2
L_0~180(65)av	7843
L_0~180(75)av	6330
L_0~180(85)av	3779
L_90~270(65)av	7459
L_90~270(75)av	6044
L_90~270(85)av	3626
L_45(65)av	7789
L_45(75)av	6153
L_45(85)av	3720

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.2DEG
Operators:CWQ
Test Date:2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
Humidity:43%
Test Distance:3.170m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.2DEG
 Operators: CWQ
 Test Date: 2020-09-27

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-SPEC316_V1 SYSTEM V2.0.366
 Humidity: 43%
 Test Distance: 3.170m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.11V I:0.0492A P:6.0634W PF:0.5362 Freq:50.00Hz Lamp Flux:555.402x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-05	DIM.:	SERIAL No.:A2017422A001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1054	1057	1058	1061	1062	1061	1061	1061	1054	1057	1058	1061	1062	1061	1061	1061			
5	940	962	976	1000	1006	1004	979	968	976	961	963	964	976	968	962	955			
10	789	816	816	838	850	844	810	811	821	793	799	789	817	803	806	798			
15	637	663	658	669	659	670	648	664	675	655	654	622	642	623	649	656			
20	457	483	473	476	464	481	475	493	514	492	486	449	453	439	466	480			
25	303	318	313	309	297	306	318	327	339	326	322	295	285	284	307	320			
30	198	208	203	199	190	195	206	212	223	217	211	195	183	184	200	211			
35	124	130	126	124	117	121	127	130	141	136	132	122	113	115	126	131			
40	75.7	79.7	79.6	73.9	68.5	70.2	76.1	80.3	86.9	83.2	82.1	71.5	67.3	66.5	76.2	81.4			
45	44.4	46.7	49.6	43.1	39.8	38.8	44.4	50.4	50.7	50.5	50.5	40.9	39.6	37.9	44.8	51.5			
50	26.3	27.9	30.7	26.0	24.6	23.3	26.5	31.6	29.7	30.2	30.8	24.6	24.6	23.3	26.7	32.2			
55	17.1	17.9	19.6	17.1	16.3	15.9	17.0	20.0	18.6	18.9	19.3	16.2	16.2	16.2	17.1	20.1			
60	11.4	12.3	12.8	11.7	11.3	11.1	11.3	12.9	12.6	12.8	12.7	11.2	11.3	11.2	11.7	12.9			
65	7.86	8.26	8.64	8.14	7.83	7.90	7.80	8.76	8.76	8.72	8.50	7.82	7.97	7.84	8.06	8.82			
70	5.77	5.80	5.84	5.65	5.64	5.65	5.64	5.83	5.94	5.92	5.81	5.65	5.69	5.69	5.69	6.01			
75	4.08	4.05	3.93	3.92	3.91	3.91	3.94	3.99	4.14	4.12	4.00	3.89	3.93	3.95	4.09	4.33			
80	2.41	2.40	2.34	2.36	2.30	2.30	2.30	2.35	2.47	2.43	2.38	2.36	2.38	2.37	2.38	2.48			
85	0.75	0.77	0.78	0.77	0.78	0.78	0.83	0.79	0.90	0.92	0.85	0.84	0.81	0.82	0.80	0.89			
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	0.00	0.00	0.00	0.00			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
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