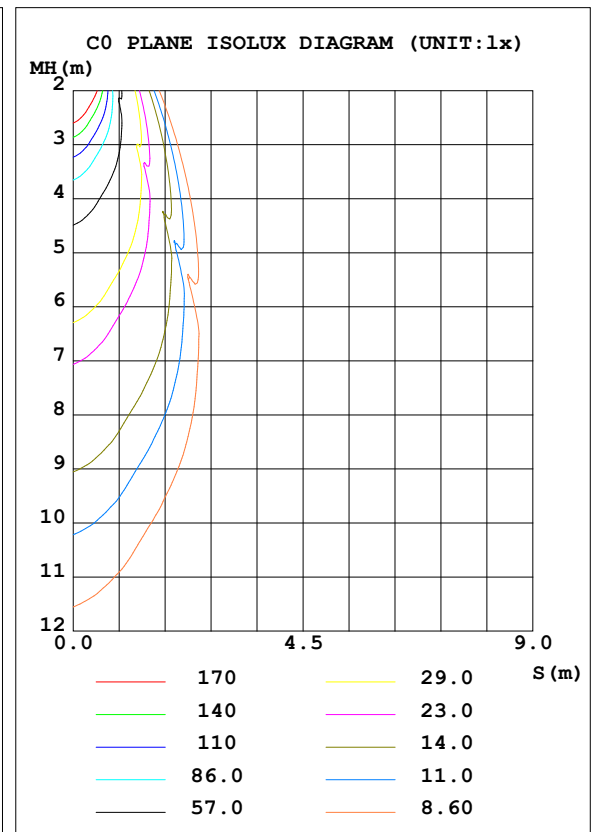
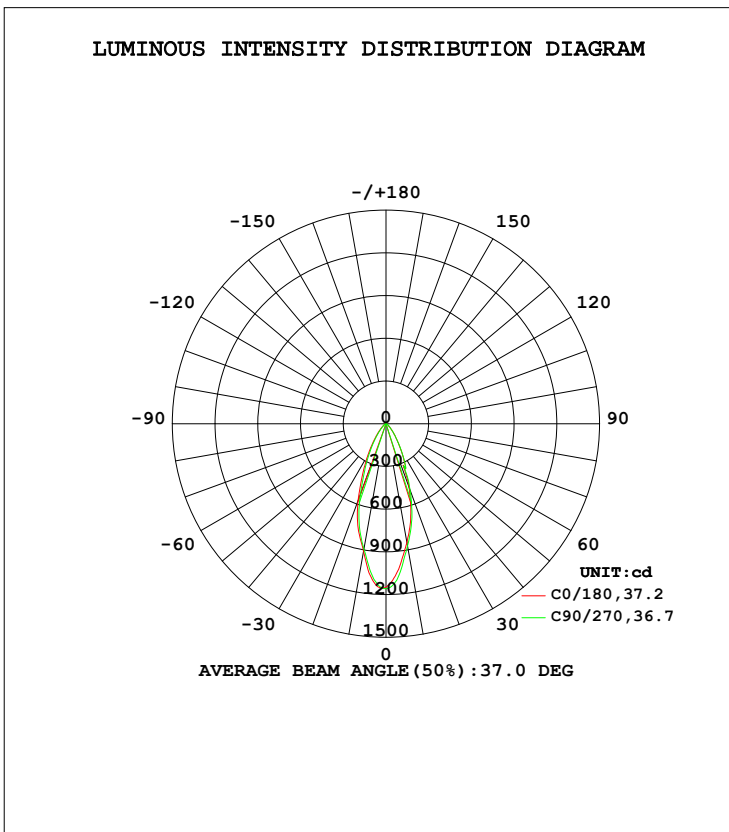


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.02 lm/W			
MODEL		I <sub>max</sub> (cd)	1164	S/MH (C0/180)	0.64
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.61
RATED VOLTAGE (V)		TOTAL FLUX (lm)	607.00	η UP, DN (C0-180)	0.0, 48.7
NOMINAL FLUX (lm)	607	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.3
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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	847.8	856.9	873.3	896.9	909.4	901.4	894.5	900.1	0- 10	95.70	95.70	15.8,15.8
20	472.6	492.7	494.6	501.2	572.5	560.0	525.3	504.3	10- 20	195.7	291.4	48,48
30	207.6	215.8	209.1	198.7	254.5	246.6	226.5	202.0	20- 30	156.0	447.4	73.7,73.7
40	77.63	81.76	77.45	73.44	95.01	93.68	81.21	73.51	30- 40	86.96	534.3	88,88
50	29.54	28.58	29.38	26.42	37.22	31.47	29.11	26.51	40- 50	38.93	573.3	94.4,94.4
60	12.77	12.78	13.44	12.78	16.00	14.18	12.93	12.71	50- 60	17.99	591.3	97.4,97.4
70	6.450	6.330	6.723	6.777	7.503	6.961	6.495	6.484	60- 70	9.510	600.8	99,99
80	2.438	2.559	2.629	2.938	3.281	2.959	2.577	2.524	70- 80	4.930	605.7	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	1.298	607.0	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): 557.85 lm

%lum = 91.9%

%lamp = 91.9%

Conical surface Flux(120deg): 591.26 lm

%lum = 97.4%

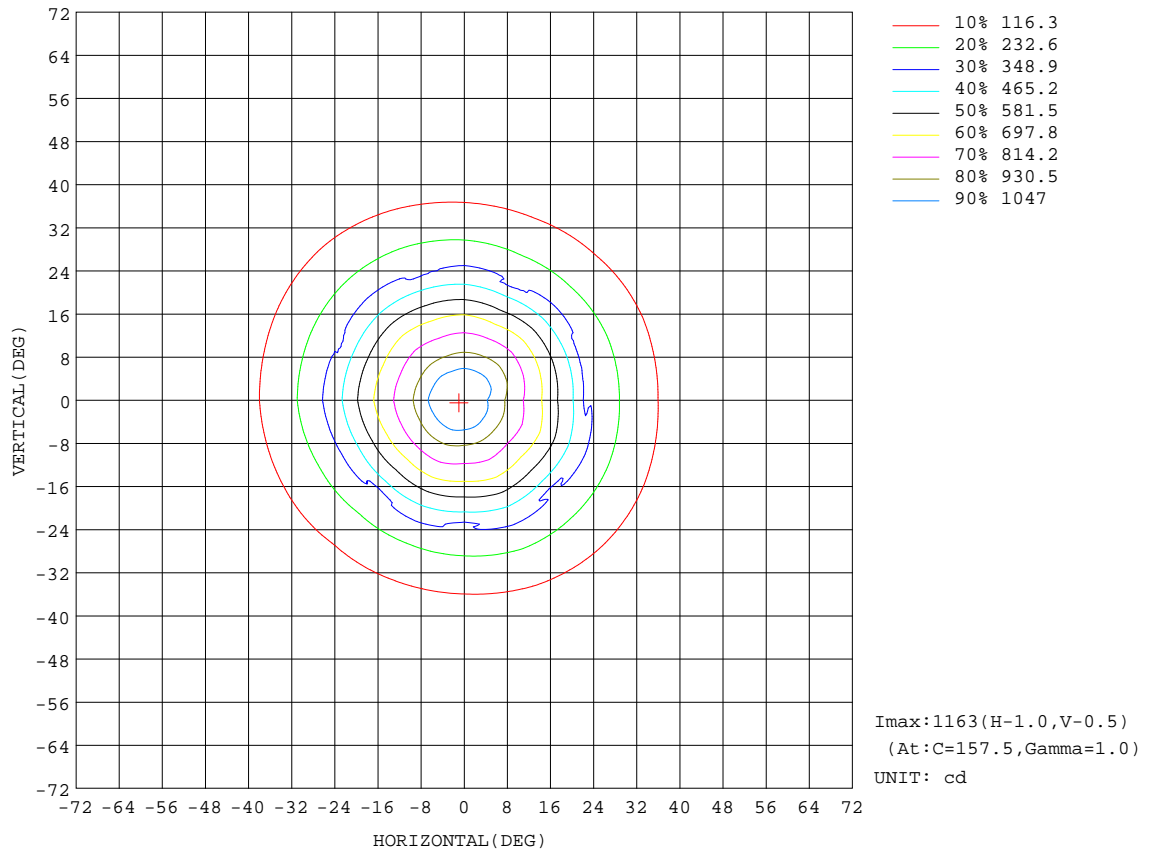
%lamp = 97.4%

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
MFR.: EVERFINE	SUR.:	Shielding Angle:

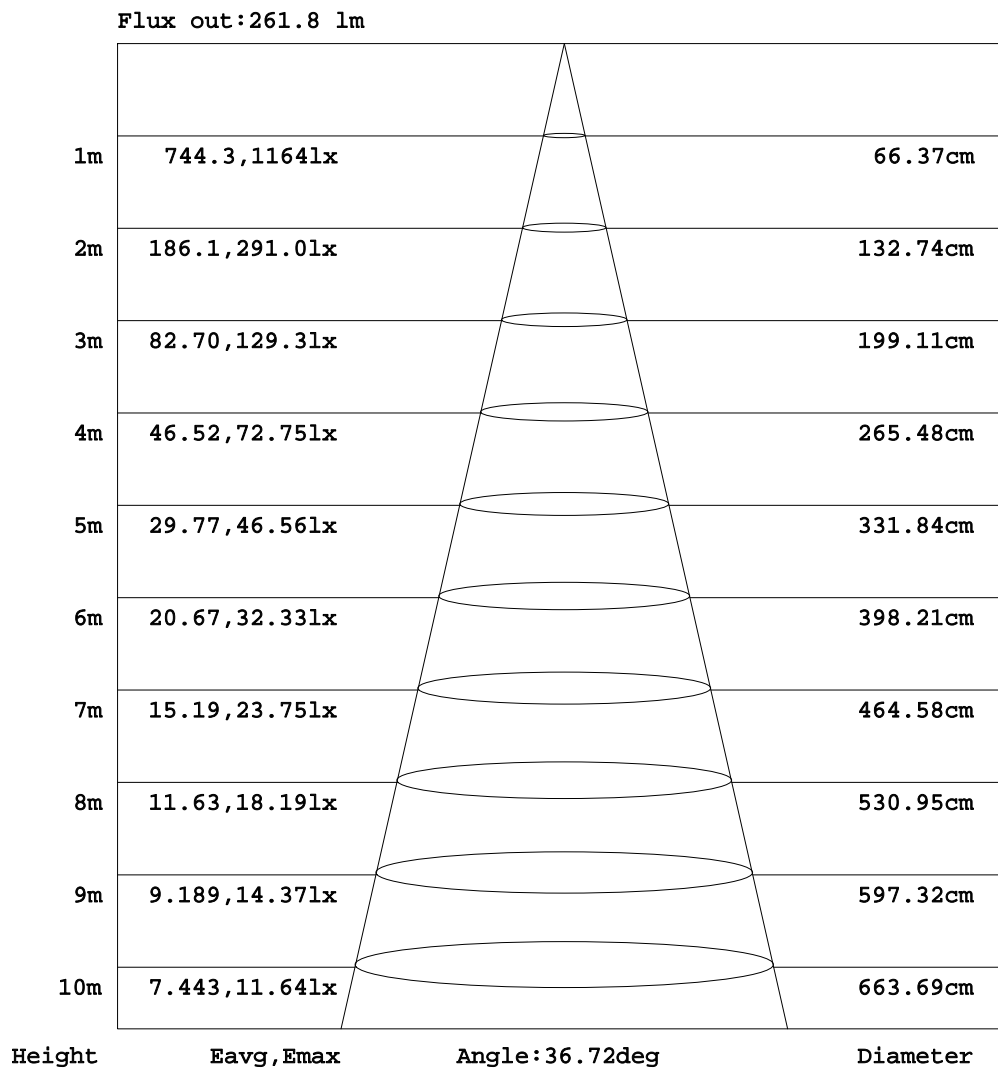


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators: CWQ  
 Test Date:2020-09-27

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:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
FR.: EVERFINE	SUR.:	Shielding Angle:



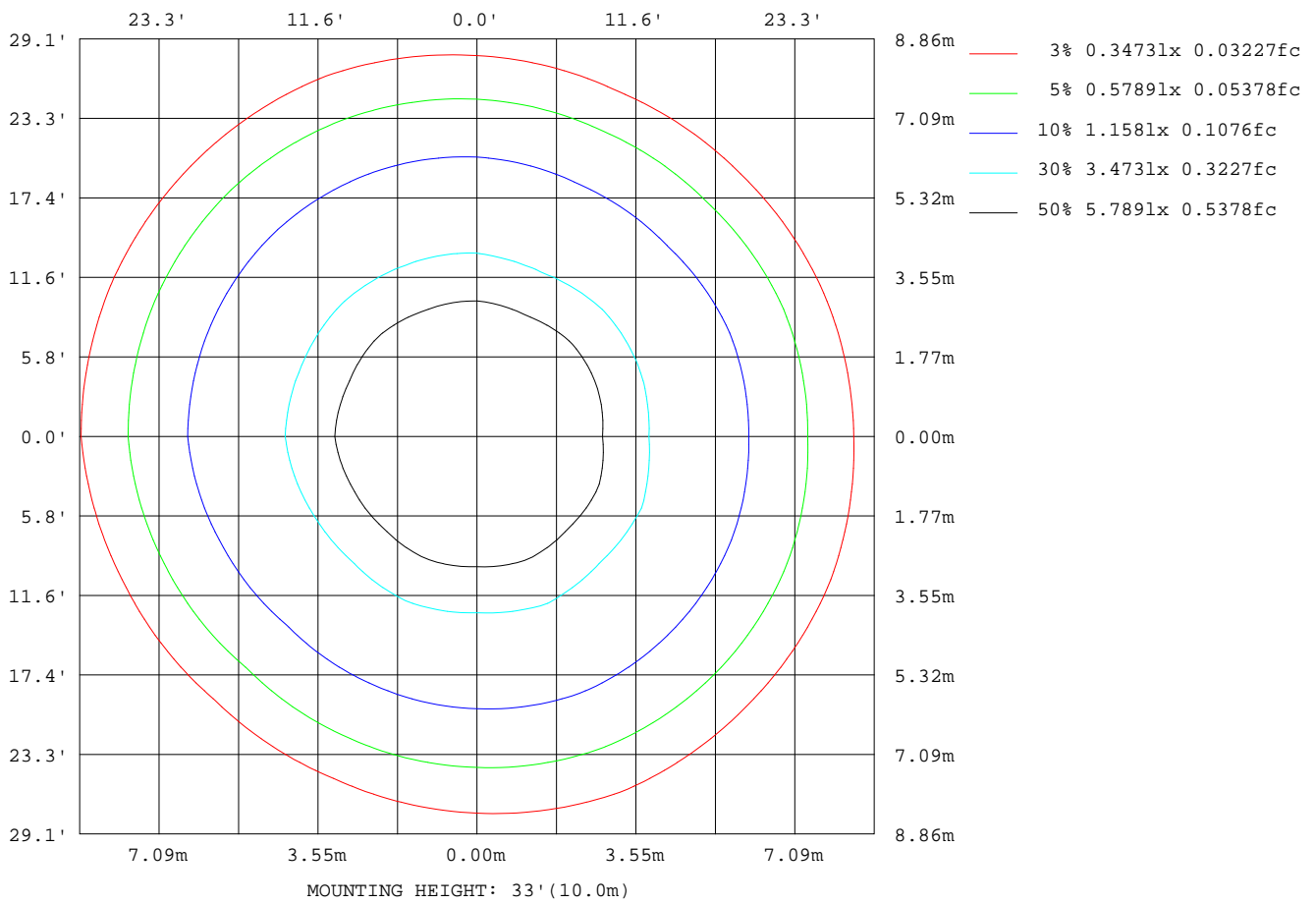
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
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:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
MFR.: EVERFINE	SUR.:	Shielding Angle:

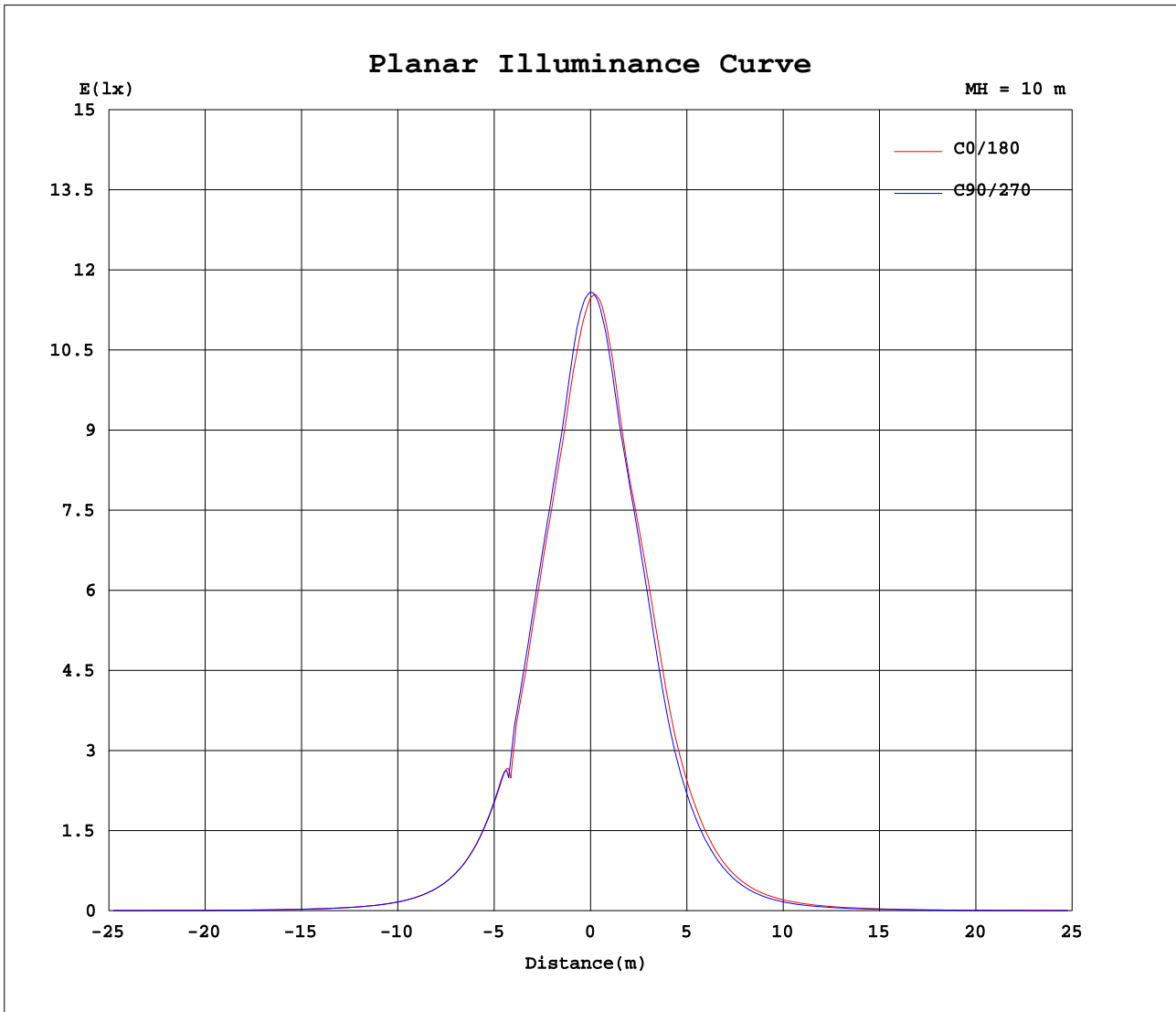
AvgL	cd/m2
L_0~180 (65) av	9178
L_0~180 (75) av	7306
L_0~180 (85) av	5005
L_90~270 (65) av	8792
L_90~270 (75) av	6855
L_90~270 (85) av	3996
L_45 (65) av	8745
L_45 (75) av	7073
L_45 (85) av	4788

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.12V I:0.0489A P:6.0087W PF:0.5341 Freq:50.00Hz Lamp Flux:607x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:8bSA-M450ST-W1-06	DIM.:	SERIAL No.:A2017422B001
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	1148	1150	1150	1156	1158	1158	1162	1162	1148	1150	1150	1156	1158	1158	1162	1162			
5	1026	1037	1043	1057	1065	1081	1085	1090	1100	1089	1085	1074	1077	1069	1071	1060			
10	848	861	857	871	873	893	897	895	909	900	901	890	894	891	900	883			
15	673	706	692	714	699	715	705	725	758	744	753	727	729	704	720	698			
20	473	505	493	516	495	506	501	523	572	558	560	540	525	493	504	491			
25	320	333	328	342	325	320	317	341	386	341	374	345	348	320	320	322			
30	208	215	216	221	209	201	199	221	255	251	247	239	227	207	202	210			
35	128	134	135	135	128	123	122	138	157	157	155	148	139	128	124	130			
40	77.6	82.0	81.8	83.2	77.5	72.3	73.4	82.7	95.0	95.7	93.7	89.7	81.2	73.9	73.5	76.3			
45	47.2	49.5	47.5	52.6	46.8	41.8	43.0	47.8	58.8	57.0	53.9	55.1	47.6	42.7	42.7	43.9			
50	29.5	30.0	28.6	33.6	29.4	26.1	26.4	28.4	37.2	33.8	31.5	33.9	29.1	26.4	26.5	26.7			
55	19.0	19.3	18.6	22.0	19.5	17.7	17.8	18.5	24.2	21.5	20.0	21.8	19.0	17.9	17.8	17.8			
60	12.8	12.9	12.8	14.5	13.4	12.7	12.8	12.7	16.0	14.6	14.2	14.6	12.9	12.8	12.7	12.4			
65	9.01	9.29	8.91	9.67	9.36	9.30	9.33	9.24	10.4	10.1	9.55	9.70	9.27	9.33	9.27	8.98			
70	6.45	6.73	6.33	6.72	6.72	6.82	6.78	6.69	7.50	7.16	6.96	6.77	6.49	6.45	6.48	6.50			
75	4.33	4.84	4.35	4.43	4.43	4.81	4.79	4.78	5.15	5.04	4.82	4.78	4.47	4.44	4.39	4.51			
80	2.44	2.56	2.56	2.54	2.63	3.00	2.94	2.92	3.28	3.23	2.96	2.66	2.58	2.62	2.52	2.56			
85	0.76	0.77	0.86	0.86	0.88	1.18	1.10	1.06	1.43	1.54	1.40	0.99	0.86	0.88	0.82	0.82			
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  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:CWQ  
 Test Date:2020-09-27

γ Range: 0 - 90DEG  
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