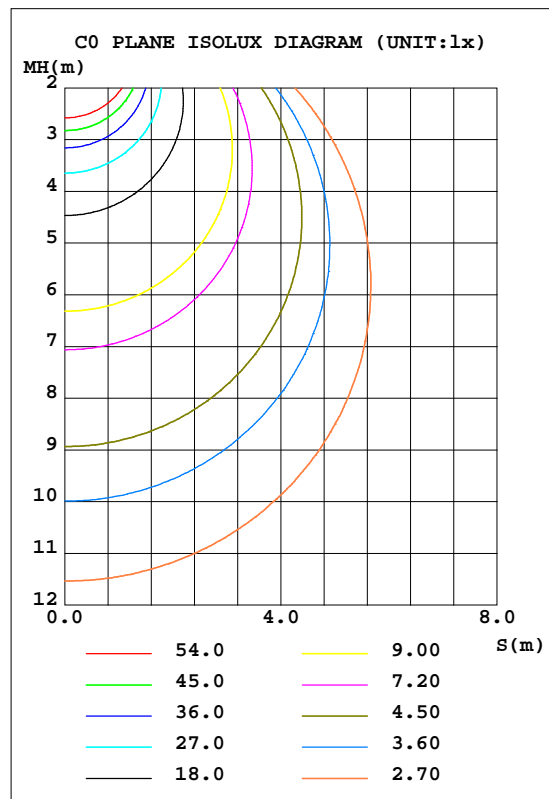
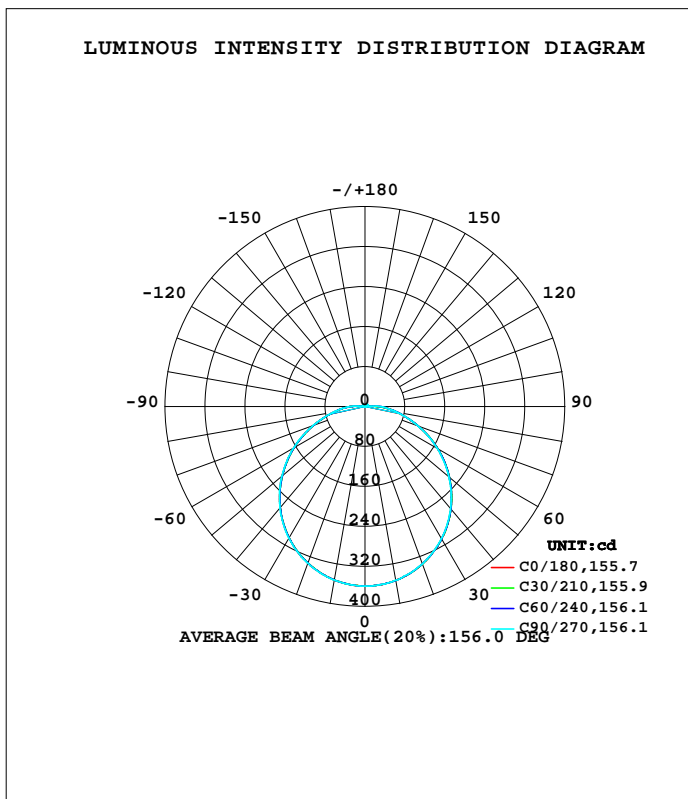


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	DLS6-MCT-277V	Imax(cd)	359.5	S/MH(C0/180)	1.26
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	1121.8	h UP, DN(C0-180)	1.2,49.0
NOMINAL FLUX(lm)	1121.79	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.2,48.5
LAMPS INSIDE	1	h up(%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	277	h down(%)	97.6	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	353.7	353.5	353.4	352.9	352.7	352.4	352.7	353.1	0- 10	33.99	33.99	3.03,3.03
20	335.6	335.9	335.3	334.8	333.8	333.2	334.2	334.9	10- 20	97.45	131.4	11.7,11.7
30	306.3	307.3	305.9	305.1	303.9	303.4	304.6	305.4	20- 30	148.1	279.5	24.9,24.9
40	267.4	268.3	266.7	265.7	264.3	263.2	265.1	266.2	30- 40	179.3	458.8	40.9,40.9
50	220.4	221.6	219.5	218.4	216.5	215.1	217.3	218.7	40- 50	187.4	646.2	57.6,57.6
60	167.6	169.4	166.6	165.6	163.7	161.9	164.5	165.8	50- 60	172.1	818.2	72.9,72.9
70	112.4	114.3	111.9	111.0	108.7	107.0	109.7	110.7	60- 70	136.7	954.9	85.1,85.1
80	64.44	66.55	64.89	64.84	61.87	61.50	63.14	63.95	70- 80	90.76	1046	93.2,93.2
90	28.27	29.98	29.72	29.59	27.55	25.06	28.56	28.62	80- 90	48.93	1095	97.6,97.6
100	5.801	1.271	4.680	1.315	0.9866	1.363	3.712	0.9955	90-100	13.26	1108	98.8,98.8
110	2.897	1.773	1.633	1.796	2.816	1.728	1.827	1.687	100-110	1.790	1110	98.9,98.9
120	4.147	3.626	3.357	3.306	3.912	3.259	3.075	3.256	110-120	2.602	1112	99.2,99.2
130	5.377	1.890	4.961	2.086	5.178	1.483	4.747	1.763	120-130	3.535	1116	99.5,99.5
140	2.750	2.080	5.308	1.357	2.761	1.187	5.256	1.965	130-140	2.691	1119	99.7,99.7
150	1.871	1.894	3.750	1.340	2.637	1.119	3.938	1.651	140-150	1.413	1120	99.8,99.8
160	2.362	2.454	2.053	1.384	2.075	2.069	1.826	2.084	150-160	1.061	1121	99.9,99.9
170	2.219	1.092	1.376	1.902	0.8936	1.740	2.560	0.9437	160-170	0.6947	1122	100,100
180	1.061	1.120	1.060	1.110	1.061	1.122	1.061	1.111	170-180	0.1121	1122	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm										
NAME: DLS6-MCT-277V					TYPE:			WEIGHT:		
SPEC.:15W					DIM.:			SERIAL No.:		
MFR.: LiBo					SUR.:			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	11.4	12.9	11.7	13.2	13.4	11.4	12.9	11.7	13.1	13.4
3H	13.1	14.5	13.4	14.8	15.1	13.1	14.5	13.4	14.8	15.1
4H	13.9	15.2	14.2	15.5	15.8	13.9	15.2	14.2	15.5	15.8
6H	14.6	15.9	15.0	16.2	16.5	14.6	15.9	15.0	16.2	16.5
8H	15.0	16.2	15.4	16.5	16.9	15.0	16.2	15.4	16.5	16.9
12H	15.4	16.5	15.7	16.9	17.2	15.4	16.6	15.8	16.9	17.3
4H 2H	12.0	13.4	12.4	13.7	14.0	12.0	13.4	12.4	13.7	14.0
3H	14.0	15.1	14.3	15.5	15.8	13.9	15.1	14.3	15.5	15.8
4H	14.9	16.0	15.3	16.3	16.7	14.9	16.0	15.3	16.3	16.7
6H	15.8	16.8	16.2	17.2	17.6	15.8	16.8	16.2	17.2	17.6
8H	16.3	17.2	16.7	17.6	18.0	16.3	17.2	16.7	17.6	18.0
12H	16.7	17.6	17.2	18.0	18.5	16.8	17.6	17.2	18.0	18.5
8H 4H	15.3	16.2	15.7	16.6	17.0	15.3	16.2	15.7	16.6	17.0
6H	16.4	17.2	16.9	17.6	18.1	16.4	17.2	16.9	17.6	18.1
8H	17.0	17.7	17.5	18.2	18.7	17.0	17.7	17.5	18.2	18.7
12H	17.7	18.3	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
12H 4H	15.3	16.2	15.8	16.6	17.0	15.3	16.1	15.8	16.6	17.0
6H	16.6	17.2	17.1	17.7	18.2	16.6	17.2	17.1	17.7	18.2
8H	17.2	17.8	17.8	18.3	18.9	17.3	17.8	17.8	18.3	18.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

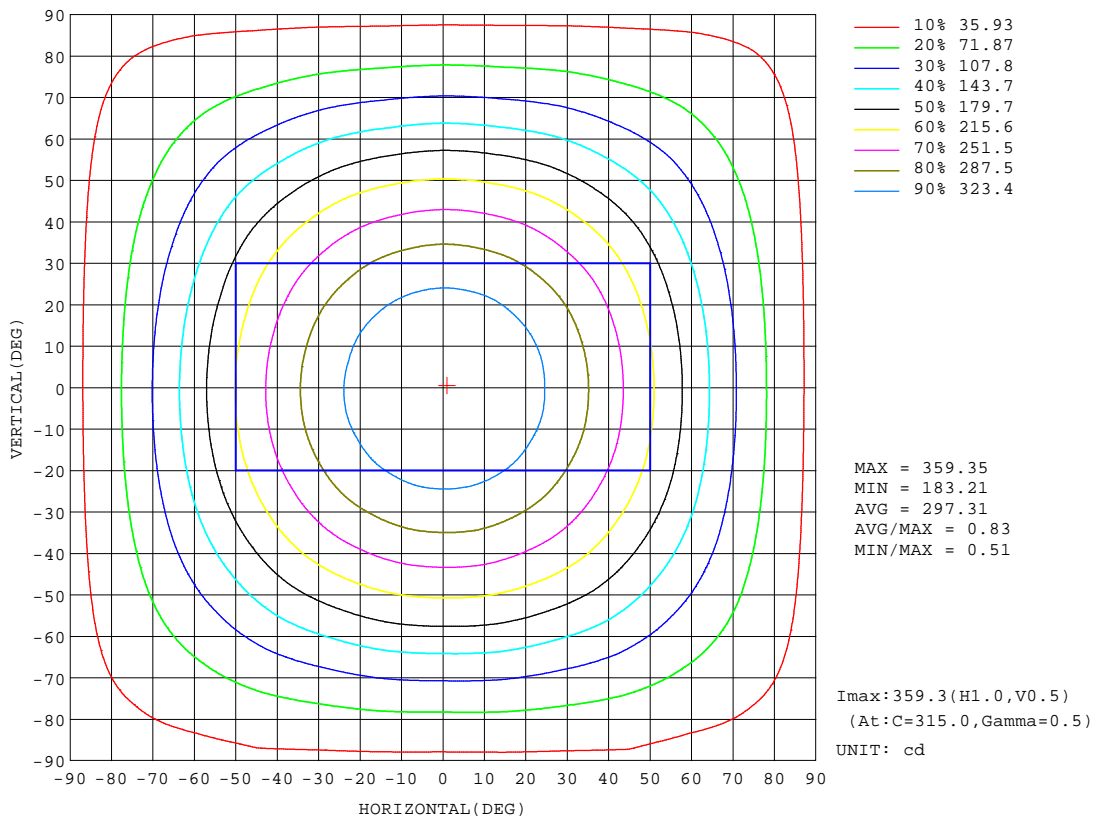
CIE Pub.117, 1122 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.4)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



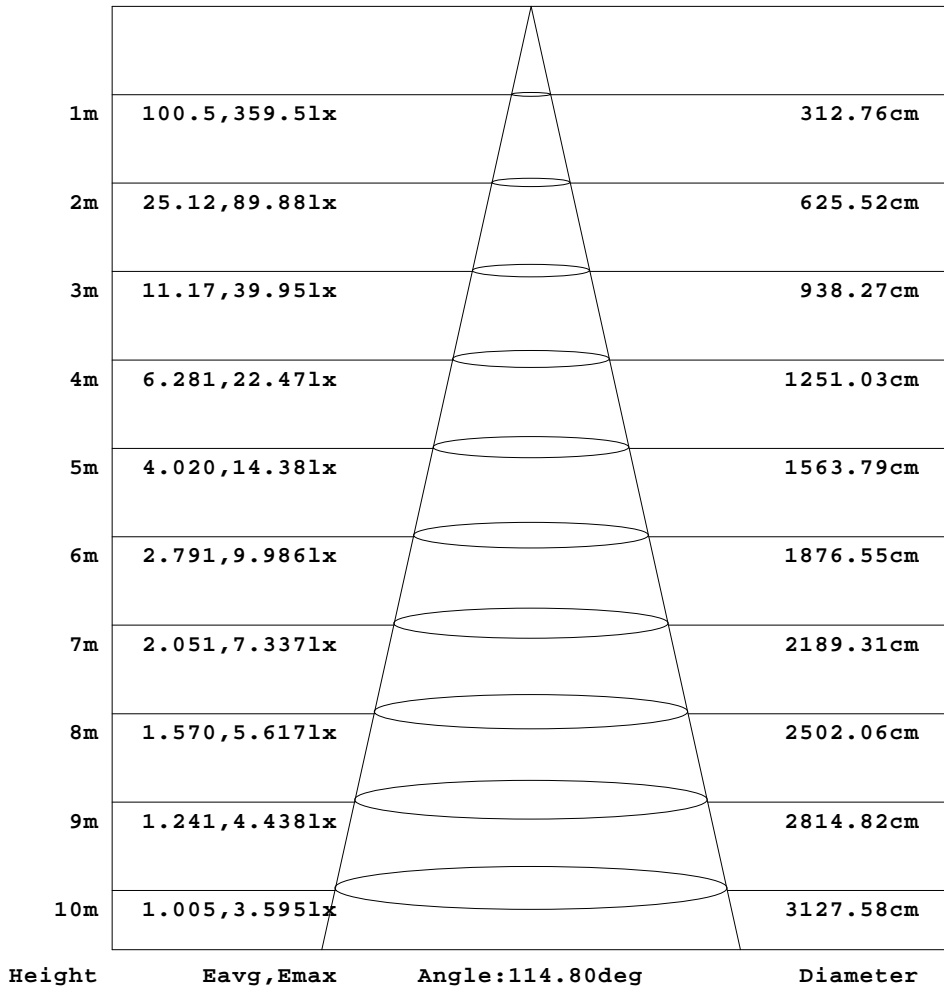
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:777.8 lm



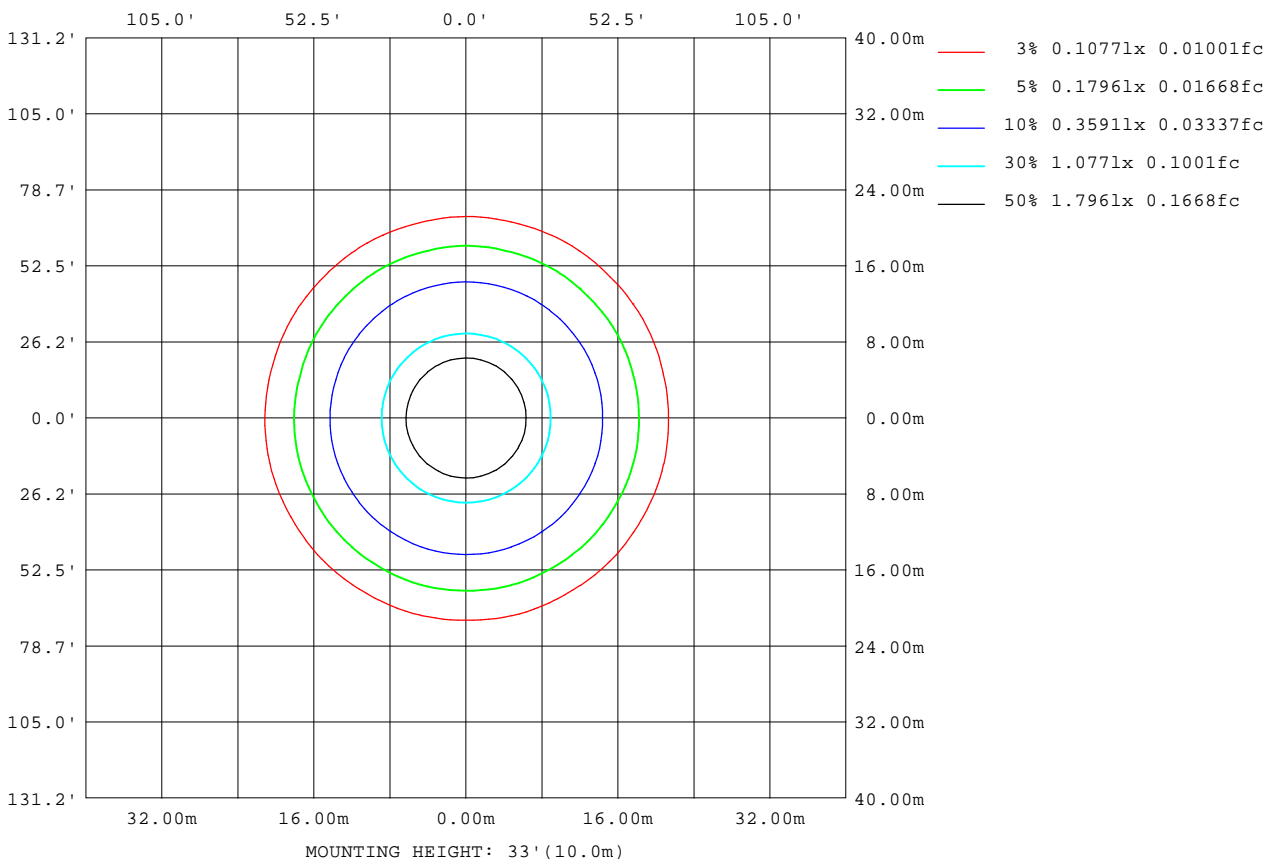
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

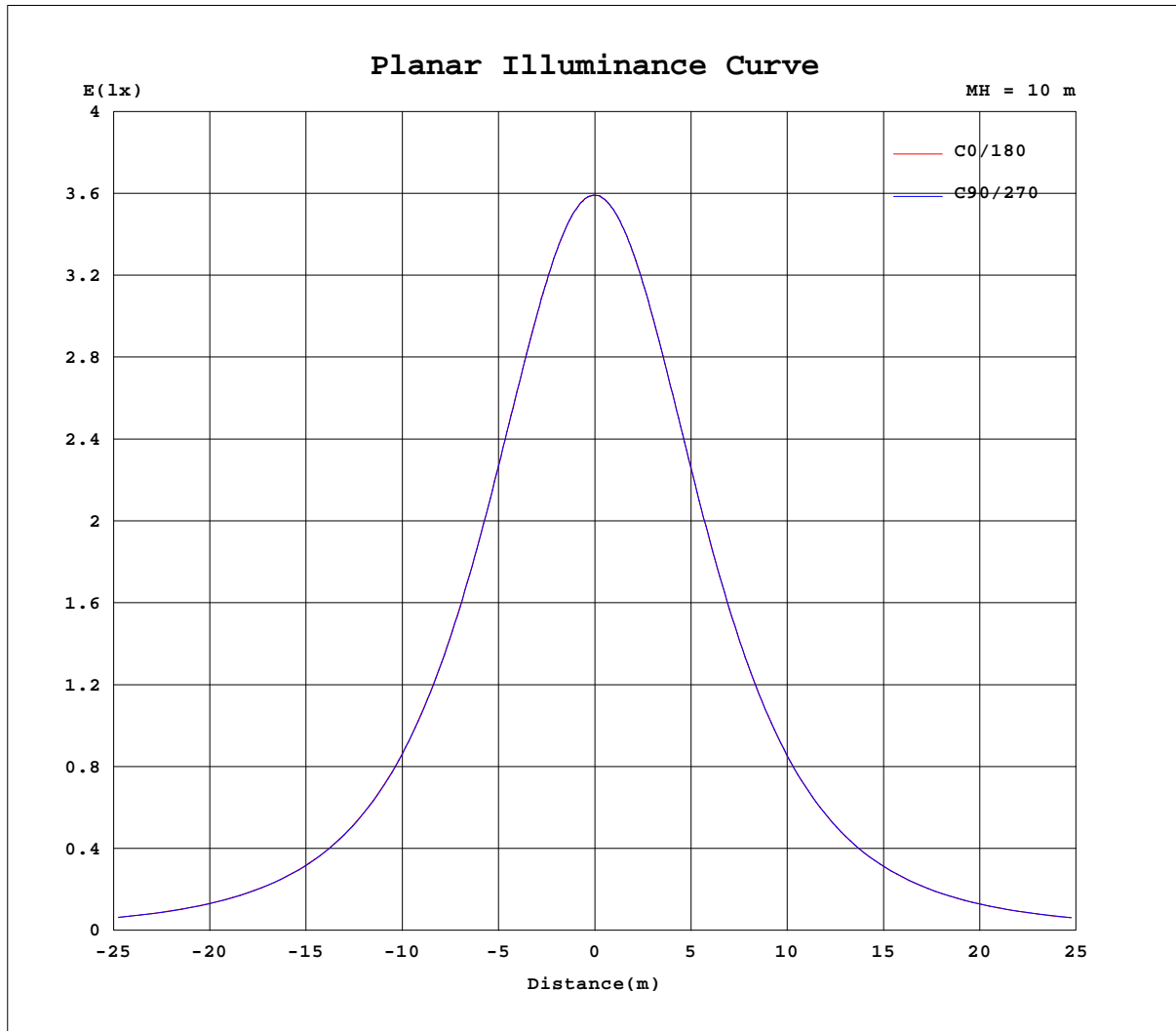
AvgL	cd/m2
L_0~180(65)av	653
L_0~180(75)av	657
L_0~180(85)av	1010
L_90~270(65)av	653
L_90~270(75)av	661
L_90~270(85)av	1026
L_45(65)av	654
L_45(75)av	659
L_45(85)av	1032

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 3.010m [K=1.0000]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359
5	358	358	358	358	358	358	358	358	358	358	357	357	357	357	357	358	357	357	358
10	354	354	354	353	354	354	353	353	353	353	352	353	353	352	352	352	353	352	353
15	346	346	346	346	346	346	345	346	345	345	345	345	345	344	344	344	345	345	345
20	336	336	336	336	336	336	335	335	334	335	334	334	334	333	333	333	334	334	334
25	322	323	322	323	323	322	322	322	321	321	320	320	320	319	320	319	320	320	321
30	306	307	307	307	306	307	306	306	305	305	304	304	304	303	303	303	304	304	305
35	288	289	288	289	288	288	287	287	286	287	285	286	285	284	285	284	285	285	286
40	267	268	268	268	268	268	267	267	266	266	264	265	264	263	264	263	264	264	265
45	245	246	245	246	245	245	244	244	243	243	241	242	241	240	241	240	241	241	242
50	220	221	221	222	221	221	219	220	218	218	217	217	217	215	216	215	216	216	217
55	195	196	195	196	195	195	194	194	192	192	191	191	190	189	190	189	190	190	191
60	168	169	168	169	168	169	167	167	165	166	164	164	164	162	163	162	163	163	164
65	140	142	141	142	140	141	139	140	138	138	136	137	136	134	136	134	136	135	137
70	112	114	113	114	113	114	112	112	110	111	109	109	109	107	108	107	109	108	110
75	86.4	88.1	87.2	88.4	87.1	88.1	86.5	87.2	85.1	85.7	83.8	84.3	83.6	82.1	83.3	81.9	83.5	82.6	84.6
80	64.4	65.4	65.5	66.5	66.1	65.8	64.9	65.2	64.8	64.8	63.2	62.6	61.9	61.3	61.7	61.5	62.1	62.2	63.1
85	44.6	44.2	44.9	46.4	45.7	46.1	45.4	45.7	44.9	45.2	43.9	43.0	43.4	43.2	43.8	43.4	43.8	43.4	44.0
90	28.3	20.7	24.3	30.0	29.7	30.1	29.7	29.9	29.4	29.6	24.2	20.6	27.5	28.2	28.4	25.1	28.2	28.1	28.6
95	16.7	11.0	12.0	5.47	7.07	10.1	10.3	9.88	6.79	1.57	9.04	9.24	16.6	9.38	9.61	2.47	5.46	8.08	9.96
100	5.80	3.34	0.91	1.27	5.21	6.24	4.68	6.60	5.59	1.31	0.94	1.10	0.99	0.82	0.81	1.36	5.13	5.30	3.71
105	1.86	1.68	1.47	1.35	1.08	1.04	1.07	1.09	1.22	1.59	1.47	1.67	1.62	1.45	1.27	1.27	1.10	0.97	1.04
110	2.90	2.59	1.96	1.77	1.73	1.61	1.63	1.68	1.77	1.80	1.94	2.63	2.82	2.30	1.67	1.73	1.79	1.75	1.83
115	3.48	2.93	2.94	2.39	2.30	2.20	2.24	2.24	2.30	2.35	2.82	3.14	3.38	3.00	2.64	2.22	2.35	2.29	2.55
120	4.15	3.38	3.73	3.63	3.17	2.94	3.36	3.13	3.24	3.31	3.46	3.57	3.91	3.83	3.32	3.26	2.89	2.88	3.08
125	4.74	4.29	4.25	3.25	4.69	4.00	4.34	4.19	3.92	2.82	4.53	4.60	4.79	4.84	3.55	2.59	3.86	4.26	4.14
130	5.38	5.28	3.40	1.89	4.44	4.70	4.96	4.42	3.92	2.09	3.72	4.94	5.18	5.22	2.92	1.48	3.80	4.40	4.75
135	4.47	4.18	2.57	2.42	3.72	5.53	5.74	5.00	3.60	1.56	2.72	4.50	4.84	4.25	2.11	1.27	3.25	3.93	4.90
140	2.75	2.65	2.01	2.08	3.53	5.98	5.31	6.40	3.38	1.36	1.37	2.66	2.76	1.87	1.17	1.19	2.73	5.51	5.26
145	2.12	1.98	1.43	1.43	2.72	2.93	2.92	2.86	2.75	1.32	1.37	1.32	1.21	1.18	1.17	1.11	2.76	2.17	3.08
150	1.87	1.85	1.35	1.89	2.11	3.17	3.75	2.65	1.32	1.34	1.84	1.28	2.64	1.12	1.62	1.12	1.88	2.77	3.94
155	2.40	3.53	2.30	3.40	2.47	1.49	2.32	2.61	2.25	2.65	1.41	2.29	2.45	2.26	2.38	2.62	2.89	2.99	2.27
160	2.36	2.90	2.72	2.45	2.46	2.80	2.05	2.38	1.85	1.38	3.14	3.74	2.08	3.01	3.12	2.07	2.08	2.12	1.83
165	2.75	3.10	1.95	2.05	3.89	3.58	2.43	2.18	1.09	1.74	2.87	2.35	1.62	4.27	3.80	2.26	1.69	2.01	3.01
170	2.22	2.09	1.11	1.09	1.48	1.64	1.38	1.07	1.32	1.90	1.92	1.84	0.89	1.78	1.85	1.74	0.90	0.95	2.56
175	1.04	1.07	1.12	1.11	1.07	1.05	1.03	1.04	1.07	1.03	0.99	0.98	0.94	0.92	0.92	0.95	0.98	0.96	0.95
180	1.06	1.06	1.09	1.12	1.09	1.06	1.06	1.06	1.07	1.11	1.08	1.06	1.06	1.06	1.09	1.12	1.09	1.06	1.06

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-28

g Range: 0 - 180DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.010m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.04V I:0.0550A P:14.832W PF:0.9733 Freq:59.98Hz Lamp Flux:1121.79x1 lm		
NAME: DLS6-MCT-277V	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Table--2 UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345															
0	359	359	359	359	359															
5	358	358	358	358	358															
10	353	353	353	353	353															
15	345	345	345	346	346															
20	334	335	335	335	335															
25	321	321	322	322	322															
30	304	305	305	306	306															
35	286	287	287	288	287															
40	265	266	266	267	267															
45	242	243	243	244	244															
50	217	219	219	220	220															
55	191	193	193	194	194															
60	164	166	166	168	167															
65	136	139	138	140	139															
70	109	111	111	113	112															
75	83.9	85.9	85.2	86.9	86.0															
80	63.3	64.0	64.0	64.5	64.1															
85	44.1	45.1	45.0	45.5	45.0															
90	28.3	28.8	28.6	29.3	29.1															
95	7.73	4.86	7.14	12.1	13.0															
100	5.45	4.82	1.00	0.75	2.95															
105	1.01	1.11	1.22	1.33	1.58															
110	1.78	1.80	1.69	1.67	2.44															
115	2.41	2.36	2.17	2.85	3.14															
120	3.07	3.11	3.26	3.75	3.75															
125	4.41	3.99	3.04	4.65	4.21															
130	4.13	3.31	1.76	3.27	5.29															
135	3.60	3.90	1.78	2.42	4.05															
140	5.67	2.69	1.96	1.86	2.54															
145	2.24	2.75	1.31	1.23	1.83															
150	3.25	1.87	1.65	1.15	1.88															
155	2.00	1.95	2.43	1.88	2.69															
160	2.77	2.25	2.08	3.20	3.27															
165	3.90	3.74	1.88	2.19	3.34															
170	2.03	1.60	0.94	1.60	2.12															
175	0.95	0.96	1.01	1.04	1.03															
180	1.06	1.07	1.11	1.08	1.06															

C Range: 0 - 360DEG	g Range: 0 - 180DEG
C Interval: 15.0DEG	g Interval: 0.5DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Temperature:25.3DEG	Humidity:65.0%
Operators:	Test Distance:3.010m [K=1.0000]
Test Date:2020-05-28	Remarks: