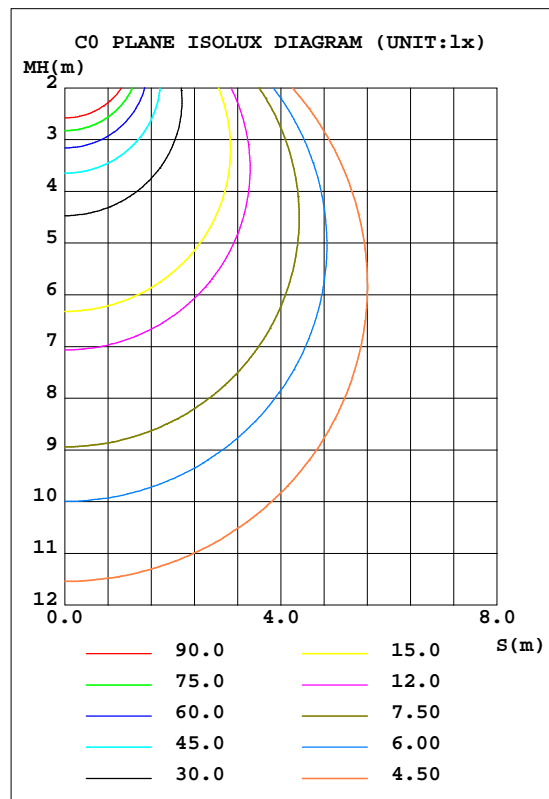
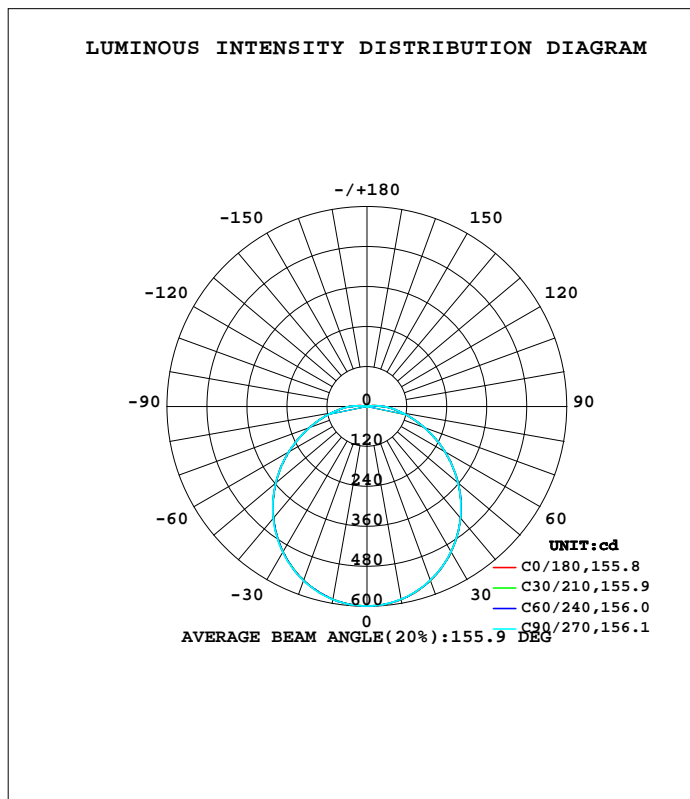


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 74.50 lm/W
MODEL	DLS10-MCT	I <sub>max</sub> (cd)	600.1	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.25	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1853.6	h UP, DN(C0-180)	1.3, 48.7	
NOMINAL FLUX(lm)	1853.63	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.3, 48.7	
LAMPS INSIDE	1	h up(%)	2.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	h down(%)	97.4	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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	588.5	589.6	587.4	588.0	587.2	588.3	588.2	588.3	0- 10	56.67	56.67	3.06,3.06
20	556.4	557.6	554.8	556.0	555.4	555.9	556.5	555.9	10- 20	162.2	218.8	11.8,11.8
30	504.8	506.3	503.8	504.5	504.1	504.4	505.0	504.6	20- 30	245.5	464.3	25,25
40	437.1	438.8	436.5	437.4	436.8	436.8	437.7	437.1	30- 40	295.8	760.1	41,41
50	357.0	359.2	356.8	358.0	357.5	356.7	358.0	357.1	40- 50	307.6	1068	57.6,57.6
60	269.5	271.4	269.4	270.9	270.0	269.0	270.5	269.2	50- 60	281.1	1349	72.8,72.8
70	181.0	183.7	181.9	183.1	182.4	180.6	182.3	180.5	60- 70	223.2	1572	84.8,84.8
80	104.7	108.0	106.3	107.9	106.3	104.7	106.2	104.6	70- 80	150.5	1722	92.9,92.9
90	50.02	47.92	51.40	48.65	50.27	48.43	50.08	49.57	80- 90	83.05	1805	97.4,97.4
100	17.59	3.097	11.89	1.482	16.12	1.322	10.91	3.614	90-100	31.50	1837	99.1,99.1
110	3.537	2.280	2.428	2.316	2.600	2.192	2.251	2.211	100-110	3.965	1841	99.3,99.3
120	4.096	3.580	3.473	3.436	4.037	3.341	3.365	3.319	110-120	2.937	1844	99.5,99.5
130	4.566	3.163	4.536	2.580	4.107	1.860	4.424	2.225	120-130	3.359	1847	99.7,99.7
140	3.099	2.721	4.162	2.366	3.001	1.903	3.523	2.168	130-140	2.642	1850	99.8,99.8
150	2.744	2.600	3.551	2.992	2.039	1.831	3.436	2.377	140-150	1.697	1852	99.9,99.9
160	3.115	2.670	2.736	2.778	2.002	2.795	2.253	2.224	150-160	1.227	1853	100,100
170	1.605	2.381	1.702	1.607	1.655	1.763	1.813	1.581	160-170	0.6766	1853	100,100
180	1.631	1.708	1.589	1.646	1.629	1.710	1.586	1.649	170-180	0.1718	1854	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:2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm										
NAME: DLS10-MCT					TYPE:			WEIGHT:		
SPEC.:25W					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	13.0	14.5	13.3	14.7	15.0	13.0	14.5	13.3	14.7	15.0
3H	14.7	16.1	15.0	16.3	16.6	14.7	16.1	15.0	16.4	16.6
4H	15.4	16.8	15.8	17.1	17.4	15.5	16.8	15.8	17.1	17.4
6H	16.2	17.5	16.6	17.8	18.1	16.2	17.5	16.6	17.8	18.2
8H	16.6	17.8	16.9	18.1	18.5	16.6	17.8	17.0	18.2	18.5
12H	17.0	18.1	17.4	18.5	18.8	17.0	18.2	17.4	18.5	18.9
4H 2H	13.6	14.9	14.0	15.2	15.6	13.6	14.9	14.0	15.2	15.6
3H	15.5	16.7	15.9	17.0	17.4	15.5	16.7	15.9	17.0	17.4
4H	16.4	17.5	16.9	17.9	18.3	16.5	17.6	16.9	17.9	18.3
6H	17.4	18.3	17.8	18.7	19.2	17.4	18.4	17.9	18.8	19.2
8H	17.8	18.8	18.3	19.2	19.6	17.9	18.8	18.3	19.2	19.7
12H	18.3	19.2	18.8	19.6	20.1	18.4	19.2	18.9	19.7	20.1
8H 4H	16.8	17.7	17.3	18.2	18.6	16.8	17.8	17.3	18.2	18.6
6H	18.0	18.7	18.5	19.2	19.7	18.0	18.8	18.5	19.2	19.7
8H	18.6	19.3	19.1	19.8	20.3	18.7	19.3	19.2	19.8	20.3
12H	19.3	19.9	19.8	20.4	20.9	19.4	19.9	19.9	20.4	21.0
12H 4H	16.9	17.7	17.4	18.2	18.6	16.9	17.7	17.4	18.2	18.6
6H	18.1	18.8	18.6	19.3	19.8	18.2	18.8	18.7	19.3	19.8
8H	18.8	19.4	19.4	19.9	20.5	18.9	19.5	19.4	20.0	20.5
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				

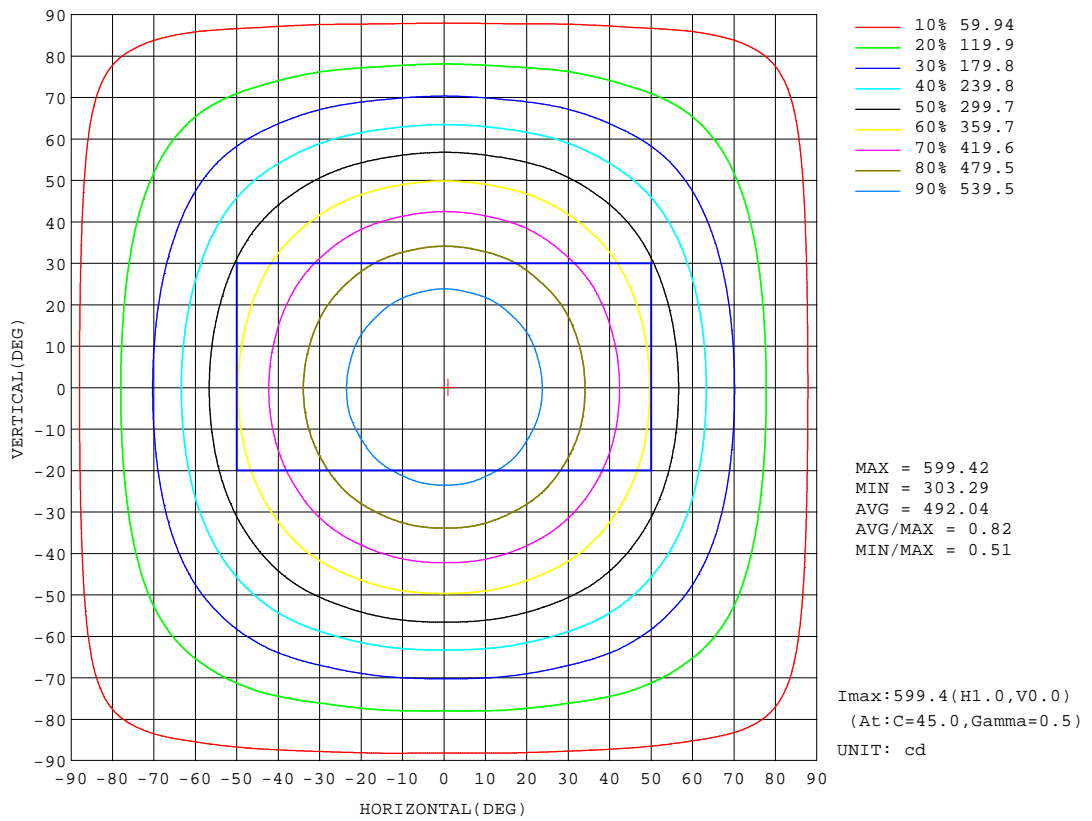
CIE Pub.117, 1854 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



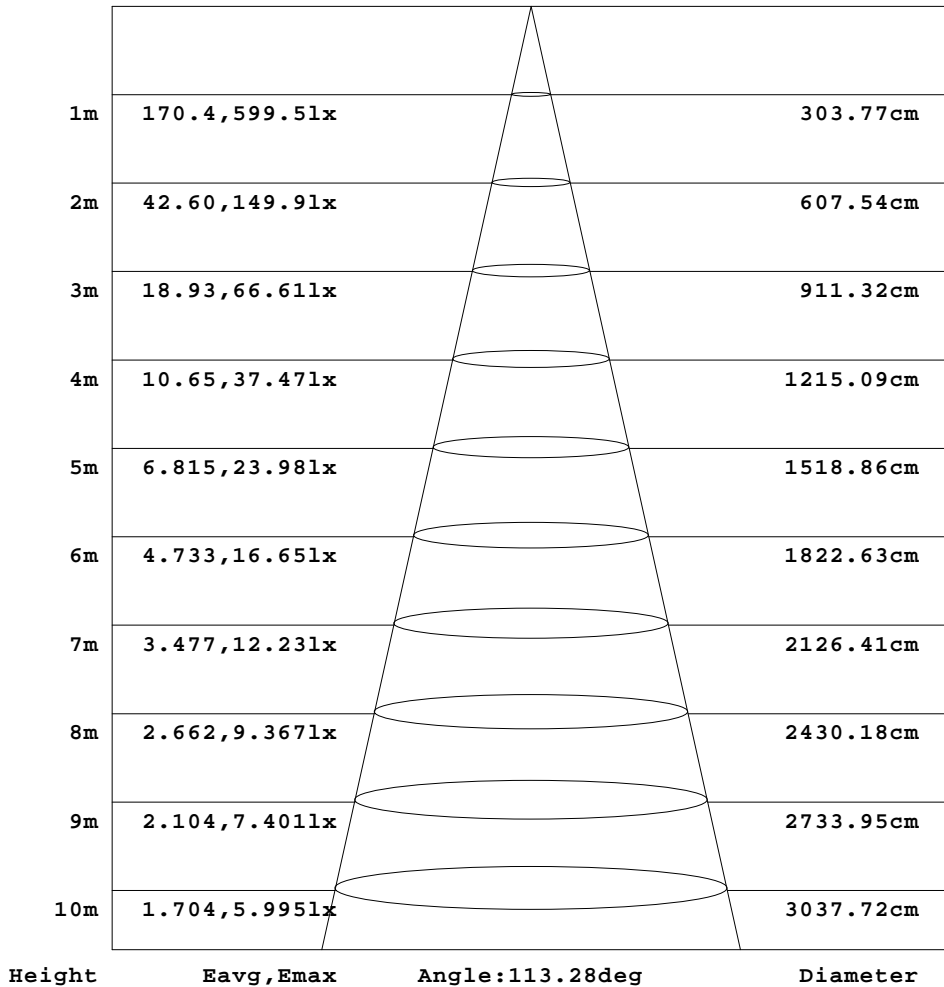
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:1269 lm



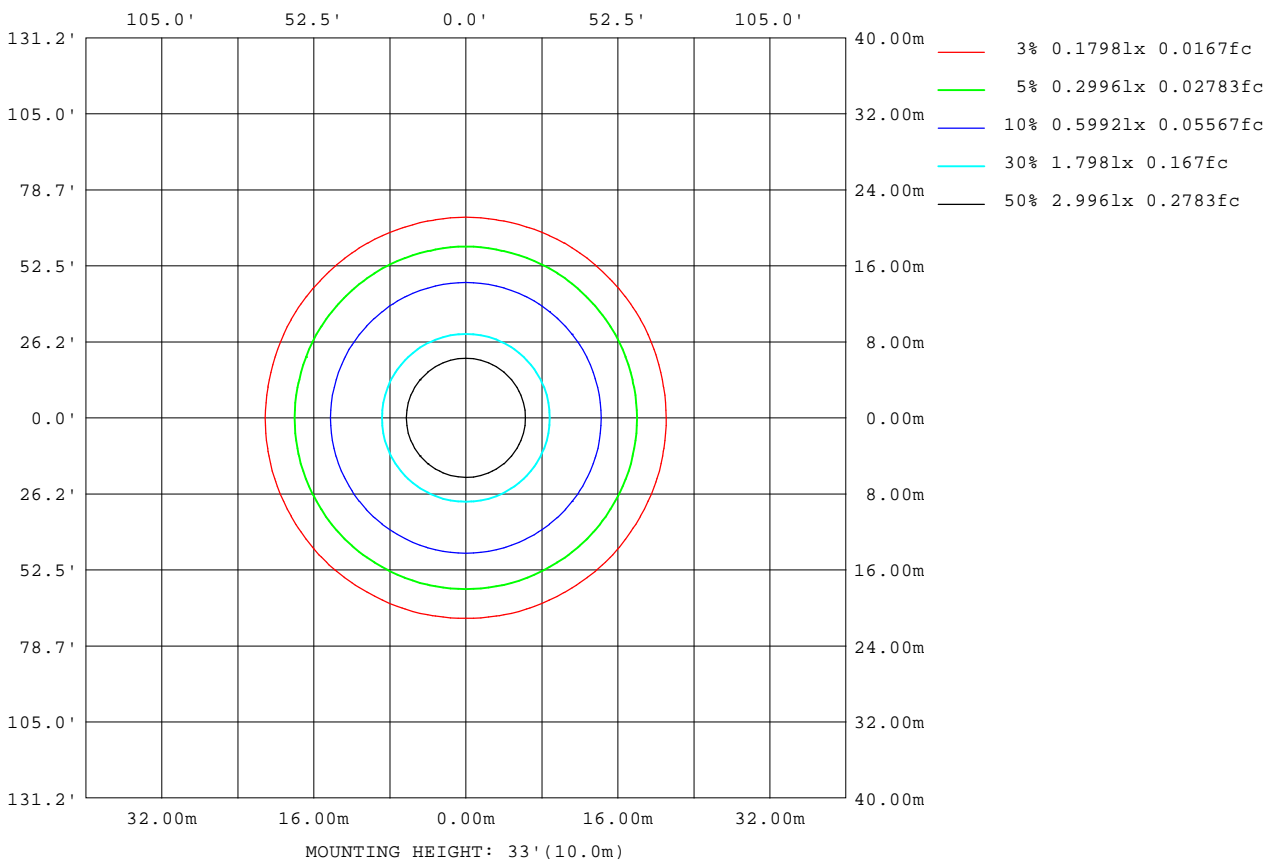
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	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:2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

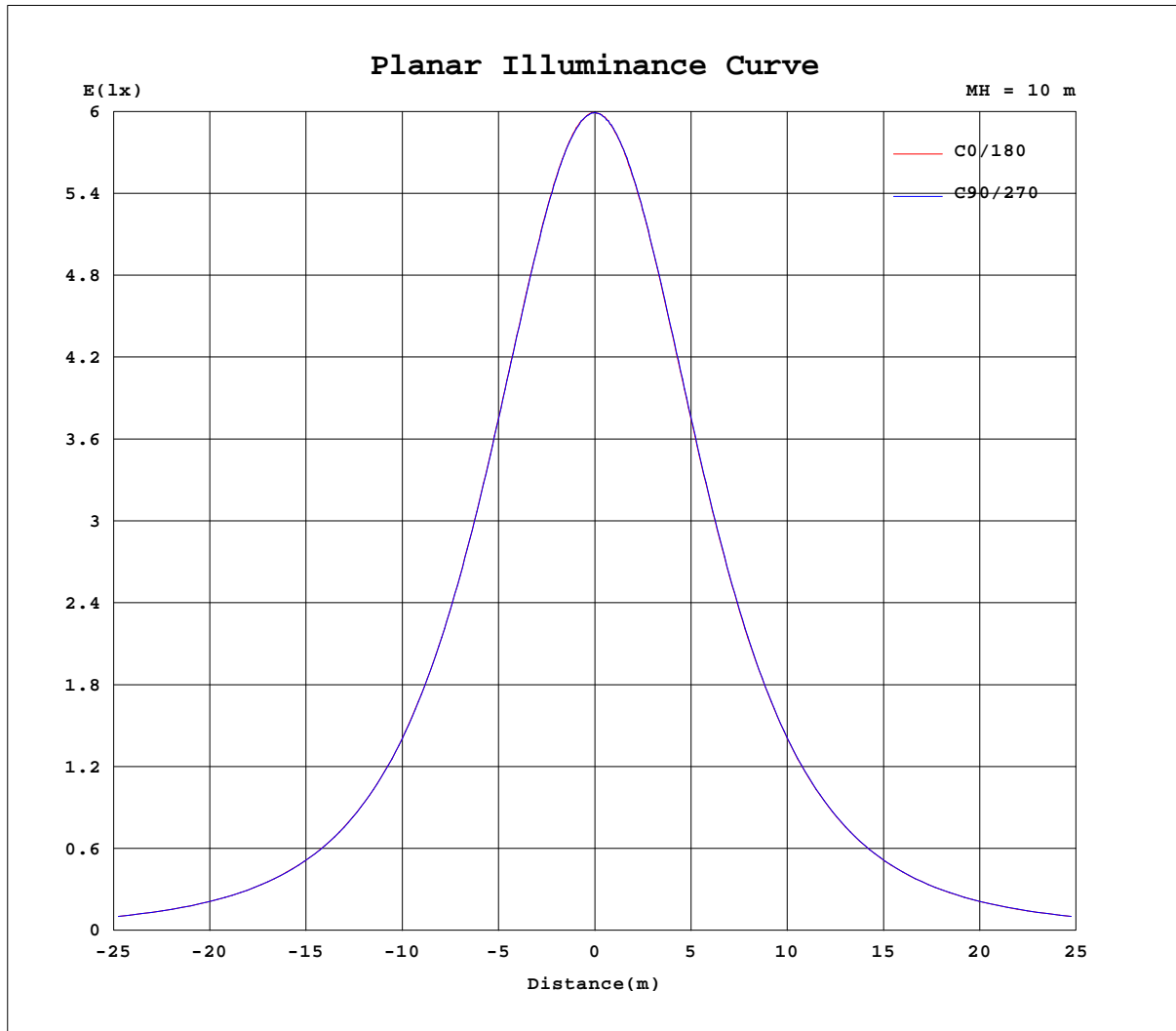
AvgL	cd/m2
L_0~180(65)av	1065
L_0~180(75)av	1091
L_0~180(85)av	1717
L_90~270(65)av	1066
L_90~270(75)av	1098
L_90~270(85)av	1731
L_45(65)av	1067
L_45(75)av	1096
L_45(85)av	1732

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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: 2020-05-27

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:119.90V I:0.2169A P:24.881W PF:0.9566 Freq:59.98Hz Lamp Flux:1853.63x1 lm		
NAME: DLS10-MCT	TYPE:	WEIGHT:
SPEC.:25W	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	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599
5	596	597	596	597	596	596	596	597	596	596	596	596	596	597	596	597	596	597	597
10	589	589	588	590	588	588	587	589	587	588	588	588	587	588	588	588	588	588	588
15	575	576	575	576	574	574	574	575	574	574	574	575	574	575	574	575	574	575	575
20	556	557	556	558	555	556	555	556	555	556	555	556	555	556	555	556	555	556	557
25	533	534	532	534	532	533	532	533	532	532	532	533	532	533	532	533	532	532	533
30	505	506	504	506	504	505	504	505	504	504	504	505	504	504	504	504	504	504	505
35	473	474	472	474	472	473	472	473	472	473	472	473	472	473	472	472	472	472	473
40	437	439	437	439	437	438	436	438	436	437	437	438	437	436	436	437	437	436	438
45	399	400	398	400	398	399	398	399	398	399	398	399	398	397	398	398	398	398	399
50	357	359	357	359	357	358	357	358	357	358	357	358	357	356	357	357	357	357	358
55	314	316	314	316	314	315	314	315	313	315	314	315	314	313	314	314	315	314	315
60	269	271	269	271	270	271	269	271	269	271	270	271	270	269	270	269	270	269	270
65	225	226	225	227	225	226	225	226	225	226	225	226	226	224	225	224	225	224	226
70	181	183	181	184	182	183	182	183	181	183	182	183	182	181	182	181	182	181	182
75	140	142	141	144	142	144	142	143	142	143	141	142	142	141	142	140	142	141	142
80	105	106	105	108	106	108	106	108	106	108	106	107	106	105	106	105	106	105	106
85	73.9	75.8	75.0	76.8	75.7	77.0	75.6	77.1	75.6	77.1	75.3	76.2	75.7	74.4	75.2	74.0	75.1	74.0	75.2
90	50.0	47.5	46.7	47.9	50.5	51.8	51.4	52.0	51.0	48.6	47.4	47.8	50.3	49.9	49.6	48.4	49.3	49.4	50.1
95	31.1	28.4	24.8	27.9	31.0	32.1	32.0	32.3	30.8	27.9	23.7	27.4	31.3	30.1	28.7	24.6	29.1	29.8	30.6
100	17.6	15.9	9.20	3.10	6.30	10.9	11.9	11.1	6.59	1.48	6.30	14.3	16.1	13.7	5.76	1.32	5.31	9.00	10.9
105	8.51	8.23	5.09	1.98	1.93	1.86	1.90	1.91	2.07	1.88	1.91	1.93	1.88	1.78	1.62	1.73	1.98	1.78	1.64
110	3.54	2.99	2.42	2.28	2.41	2.33	2.43	2.58	2.67	2.32	2.29	2.36	2.60	2.25	2.19	2.19	2.11	2.22	2.25
115	3.46	3.39	3.23	3.00	2.75	2.78	2.97	2.98	2.93	2.97	3.02	3.23	3.22	3.02	2.84	2.64	2.58	2.69	2.72
120	4.10	4.20	4.14	3.58	3.48	3.36	3.47	3.44	3.40	3.44	3.91	4.38	4.04	3.95	3.37	3.34	3.23	3.23	3.37
125	4.21	4.40	3.84	3.38	3.94	3.79	4.04	3.81	3.83	3.36	3.36	3.91	3.75	3.91	3.53	2.92	3.50	3.67	4.09
130	4.57	4.40	3.37	3.16	4.15	4.34	4.54	4.13	4.33	2.58	3.10	4.43	4.11	4.35	3.15	1.86	3.48	3.89	4.42
135	3.88	3.53	3.40	2.68	3.77	4.50	4.88	4.54	3.55	2.56	2.80	3.79	4.38	3.53	2.89	1.95	3.43	3.58	4.27
140	3.10	3.13	2.57	2.72	3.40	4.30	4.16	4.35	3.48	2.37	2.35	2.57	3.00	2.45	1.86	1.90	2.55	3.79	3.52
145	2.49	2.59	2.44	2.84	3.20	3.71	3.48	3.22	3.06	2.58	2.26	2.39	2.39	2.59	1.78	1.75	2.59	3.14	3.62
150	2.74	2.65	2.35	2.60	2.36	3.20	3.55	3.29	2.90	2.99	2.03	2.05	2.04	2.00	1.99	1.83	1.63	3.12	3.44
155	3.21	2.54	2.71	3.00	3.01	2.65	3.65	3.31	2.56	2.53	2.56	2.49	2.43	2.23	2.31	2.96	2.14	2.39	2.91
160	3.11	4.07	3.32	2.67	2.64	2.45	2.74	2.70	2.55	2.78	2.60	2.60	2.00	3.28	2.94	2.80	2.09	2.46	2.25
165	2.67	1.98	2.14	2.97	2.83	2.41	2.56	1.75	2.22	2.35	2.50	3.49	2.39	1.63	1.52	2.69	2.72	2.44	2.55
170	1.60	1.96	2.32	2.38	2.25	2.02	1.70	1.64	1.59	1.61	1.58	1.88	1.65	1.79	1.75	1.76	2.00	1.87	1.81
175	1.84	1.92	2.26	2.32	2.25	2.25	1.94	1.68	1.70	1.61	1.50	1.71	1.75	1.72	1.73	1.82	1.86	1.81	1.70
180	1.63	1.64	1.66	1.71	1.65	1.60	1.59	1.56	1.58	1.65	1.62	1.61	1.63	1.64	1.66	1.71	1.66	1.60	1.59

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-27

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:

