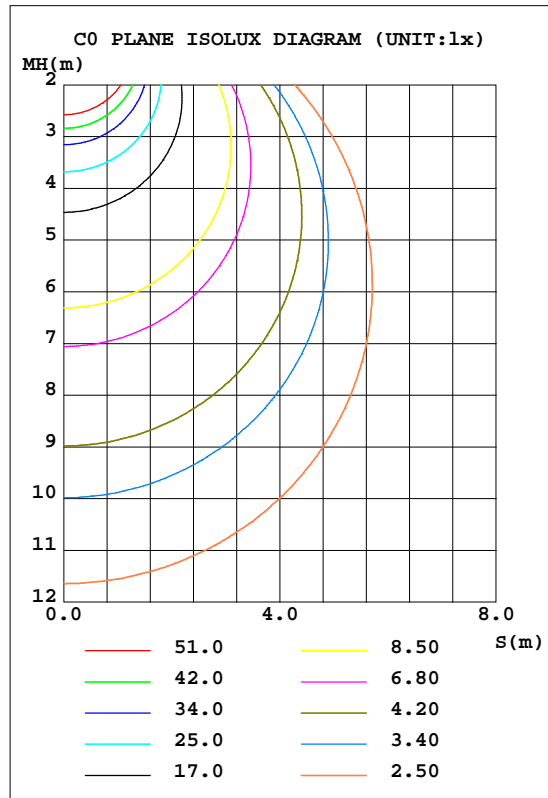
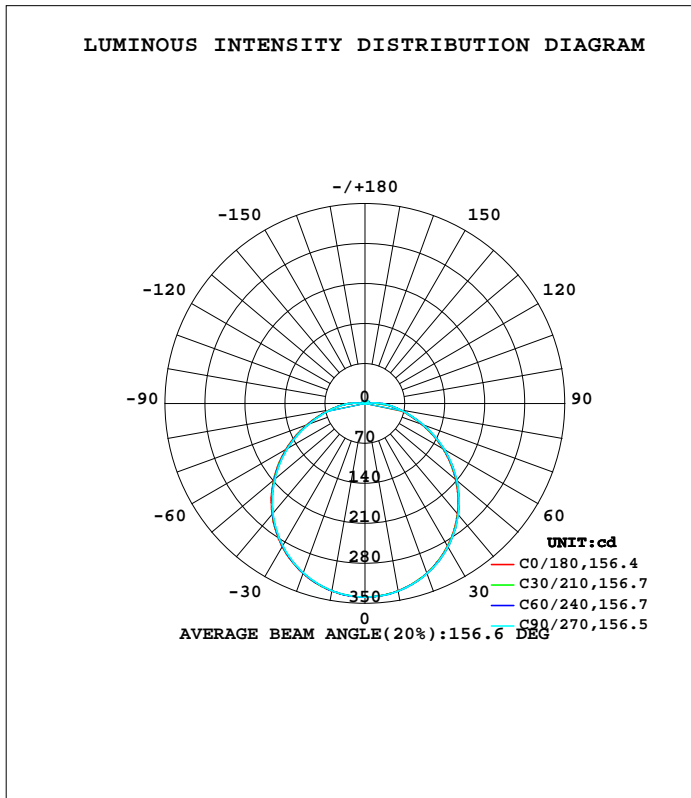


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.99 lm/W
MODEL	DLS6-MCT	I _{max} (cd)	339.1	S/MH(C0/180)		1.27
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)		1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1068.9	h UP, DN(C0-180)		1.3,49.1
NOMINAL FLUX(lm)	1068.91	CIE CLASS	DIRECT	h UP, DN(C180-360)		1.3,48.4
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	333.2	333.7	333.5	333.6	333.3	332.8	333.1	332.7	0- 10	32.07	32.07	3,3
20	316.1	316.8	317.0	317.1	316.5	315.2	315.5	315.3	10- 20	92.06	124.1	11.6,11.6
30	288.7	290.2	290.0	290.5	289.7	288.1	287.8	287.6	20- 30	140.1	264.2	24.7,24.7
40	252.0	254.0	254.2	254.4	253.2	251.1	250.8	250.5	30- 40	170.1	434.4	40.6,40.6
50	207.3	209.9	210.0	210.4	209.1	206.4	206.0	205.7	40- 50	178.3	612.7	57.3,57.3
60	157.4	160.5	160.4	161.3	159.6	156.0	156.0	155.3	50- 60	164.2	776.9	72.7,72.7
70	105.0	108.2	107.9	109.0	107.3	103.8	103.7	103.0	60- 70	130.8	907.7	84.9,84.9
80	60.14	62.93	62.47	63.68	61.34	60.17	59.22	59.32	70- 80	86.92	994.6	93,93
90	26.30	28.42	28.43	28.58	26.87	25.70	26.69	26.36	80- 90	46.66	1041	97.4,97.4
100	5.237	1.253	4.405	1.556	1.059	1.250	4.107	1.214	90-100	12.75	1054	98.6,98.6
110	2.846	1.828	1.640	1.824	3.002	1.868	1.566	1.845	100-110	1.863	1056	98.8,98.8
120	4.120	3.807	3.345	3.826	3.958	3.815	3.996	3.778	110-120	2.859	1059	99,99
130	5.961	1.628	5.080	3.128	5.846	1.430	5.789	1.556	120-130	3.858	1063	99.4,99.4
140	2.847	1.489	5.643	1.843	3.089	1.656	4.625	1.210	130-140	2.998	1066	99.7,99.7
150	2.765	1.663	2.334	2.456	2.234	1.658	3.374	2.065	140-150	1.430	1067	99.8,99.8
160	2.376	2.512	2.489	2.070	2.390	1.849	2.468	2.141	150-160	1.095	1068	99.9,99.9
170	0.9985	1.092	2.130	0.9609	1.795	0.9352	0.9247	1.972	160-170	0.7017	1069	100,100
180	1.007	1.080	1.020	1.069	1.008	1.084	1.021	1.075	170-180	0.1078	1069	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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm										
NAME: DLS6-MCT					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	11.1	12.7	11.4	12.9	13.2	11.2	12.7	11.5	13.0	13.2
3H	12.8	14.2	13.2	14.5	14.8	12.9	14.3	13.3	14.6	14.9
4H	13.6	15.0	14.0	15.3	15.6	13.7	15.1	14.1	15.4	15.7
6H	14.3	15.6	14.7	15.9	16.3	14.5	15.8	14.9	16.1	16.4
8H	14.7	15.9	15.1	16.3	16.6	14.8	16.1	15.2	16.4	16.8
12H	15.1	16.3	15.5	16.6	17.0	15.2	16.4	15.6	16.8	17.1
4H 2H	11.8	13.1	12.2	13.4	13.8	11.9	13.2	12.2	13.5	13.8
3H	13.7	14.9	14.1	15.2	15.6	13.8	15.0	14.2	15.3	15.7
4H	14.6	15.7	15.0	16.1	16.5	14.7	15.8	15.1	16.2	16.6
6H	15.5	16.5	16.0	16.9	17.3	15.7	16.6	16.1	17.0	17.5
8H	16.0	16.9	16.4	17.3	17.7	16.1	17.0	16.6	17.4	17.9
12H	16.5	17.3	16.9	17.7	18.2	16.6	17.4	17.1	17.9	18.3
8H 4H	15.0	15.9	15.5	16.3	16.8	15.1	16.0	15.5	16.4	16.9
6H	16.1	16.9	16.6	17.4	17.8	16.3	17.0	16.7	17.5	18.0
8H	16.7	17.4	17.2	17.9	18.4	16.9	17.5	17.4	18.0	18.5
12H	17.4	18.0	17.9	18.5	19.0	17.5	18.1	18.1	18.6	19.2
12H 4H	15.1	15.9	15.5	16.3	16.8	15.1	16.0	15.6	16.4	16.9
6H	16.3	17.0	16.8	17.4	18.0	16.4	17.1	16.9	17.5	18.1
8H	17.0	17.6	17.5	18.1	18.6	17.1	17.7	17.6	18.2	18.7
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				

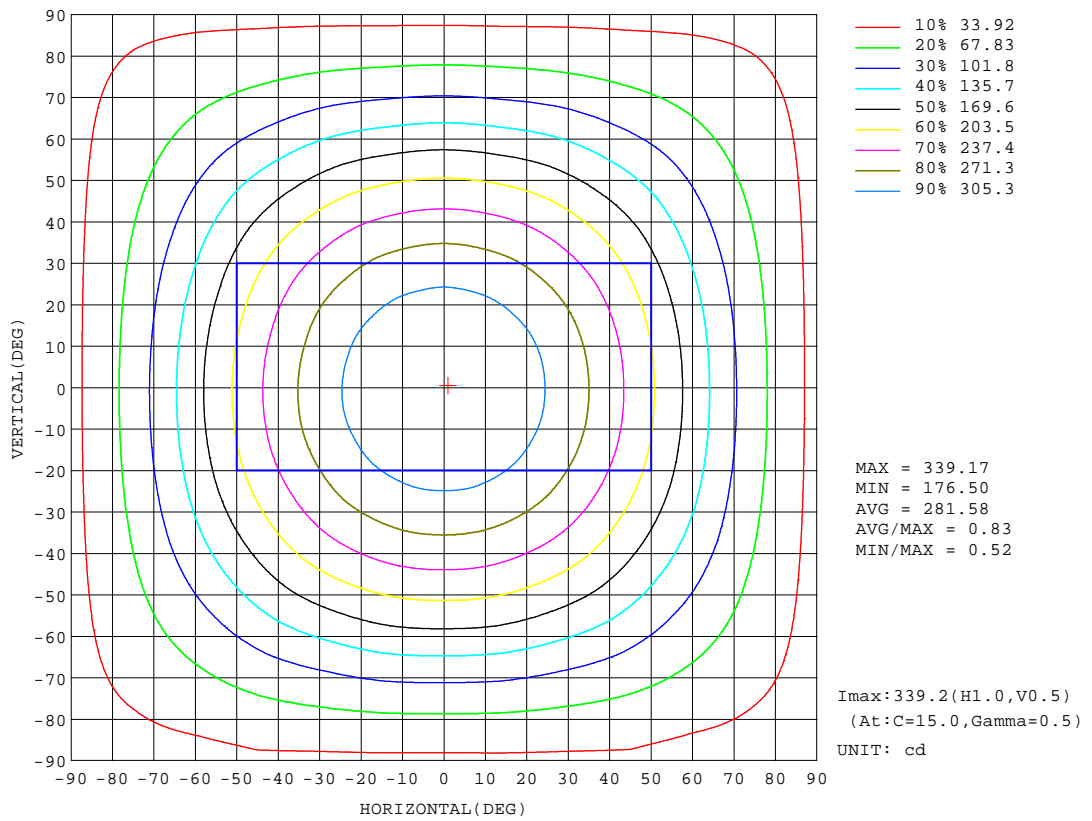
CIE Pub.117, 1069 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.2)

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



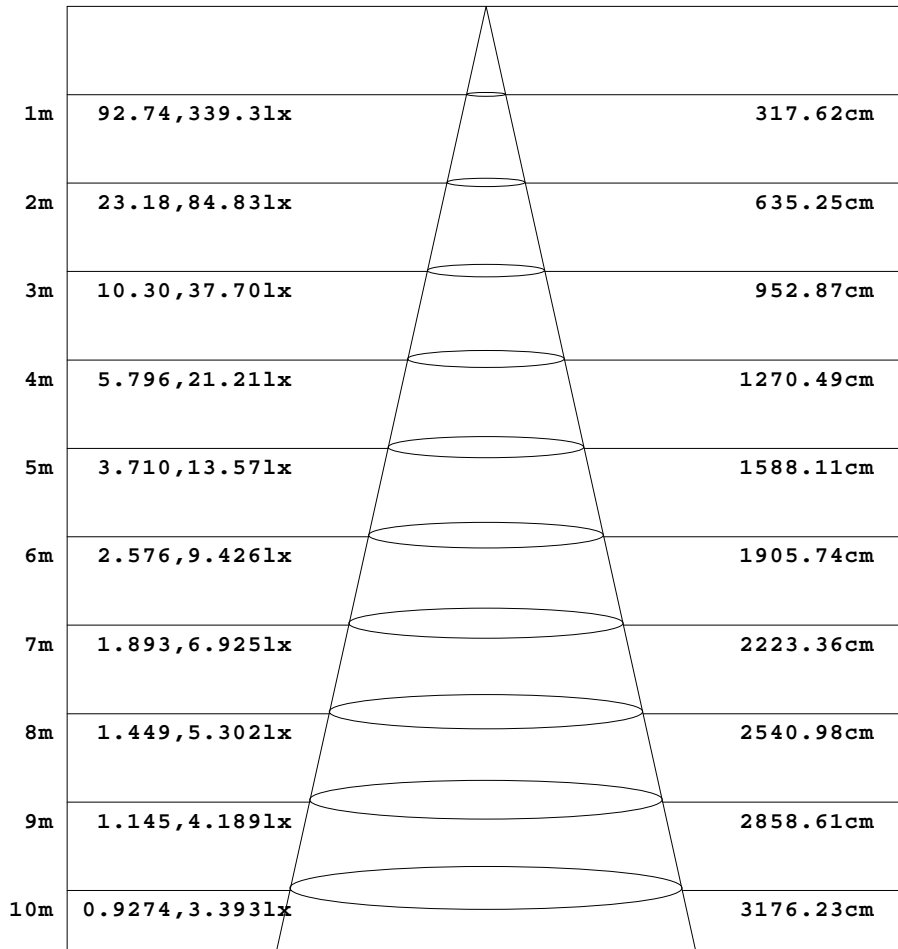
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-27

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:746.2 lm



Height Eavg, Emax Angle:115.60deg Diameter

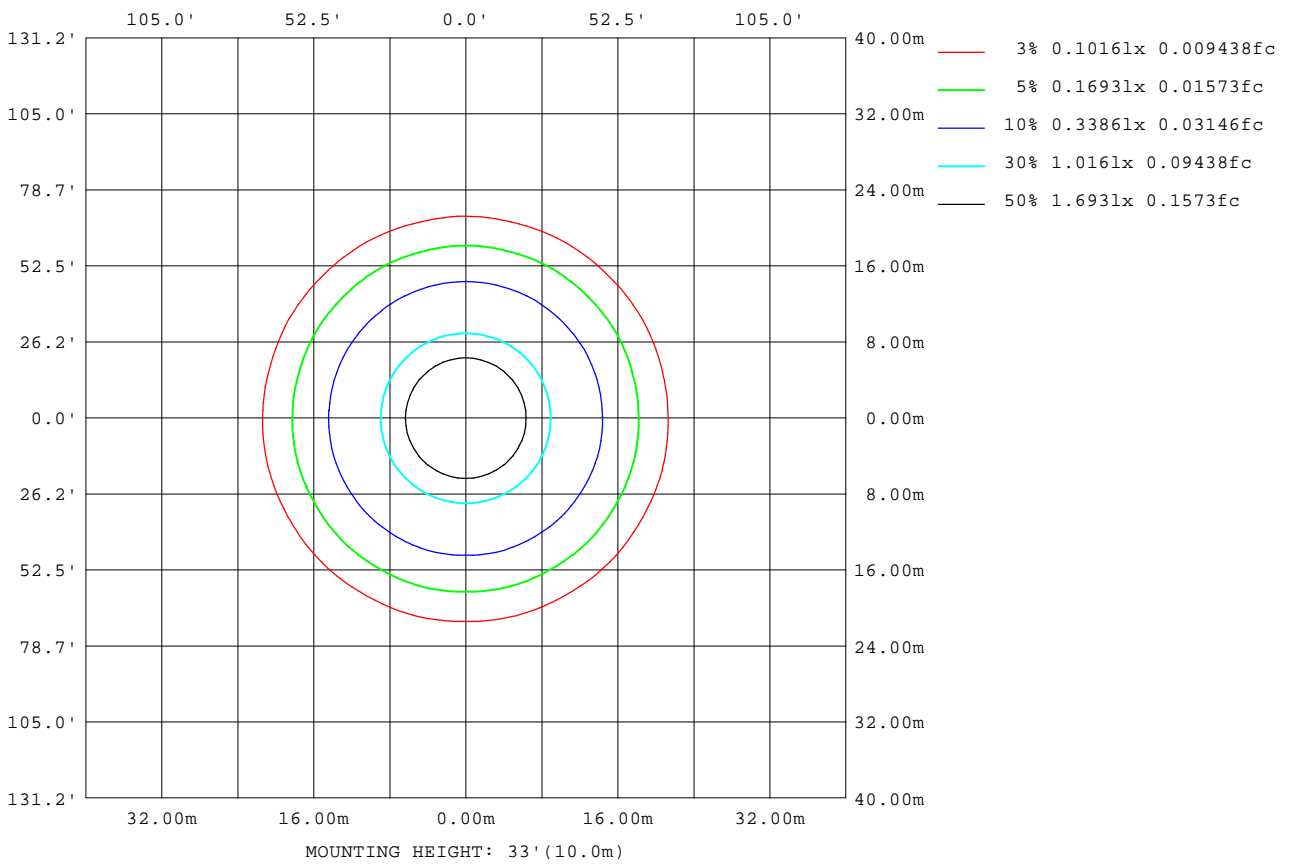
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	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:2020-05-27

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	TYPE:	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

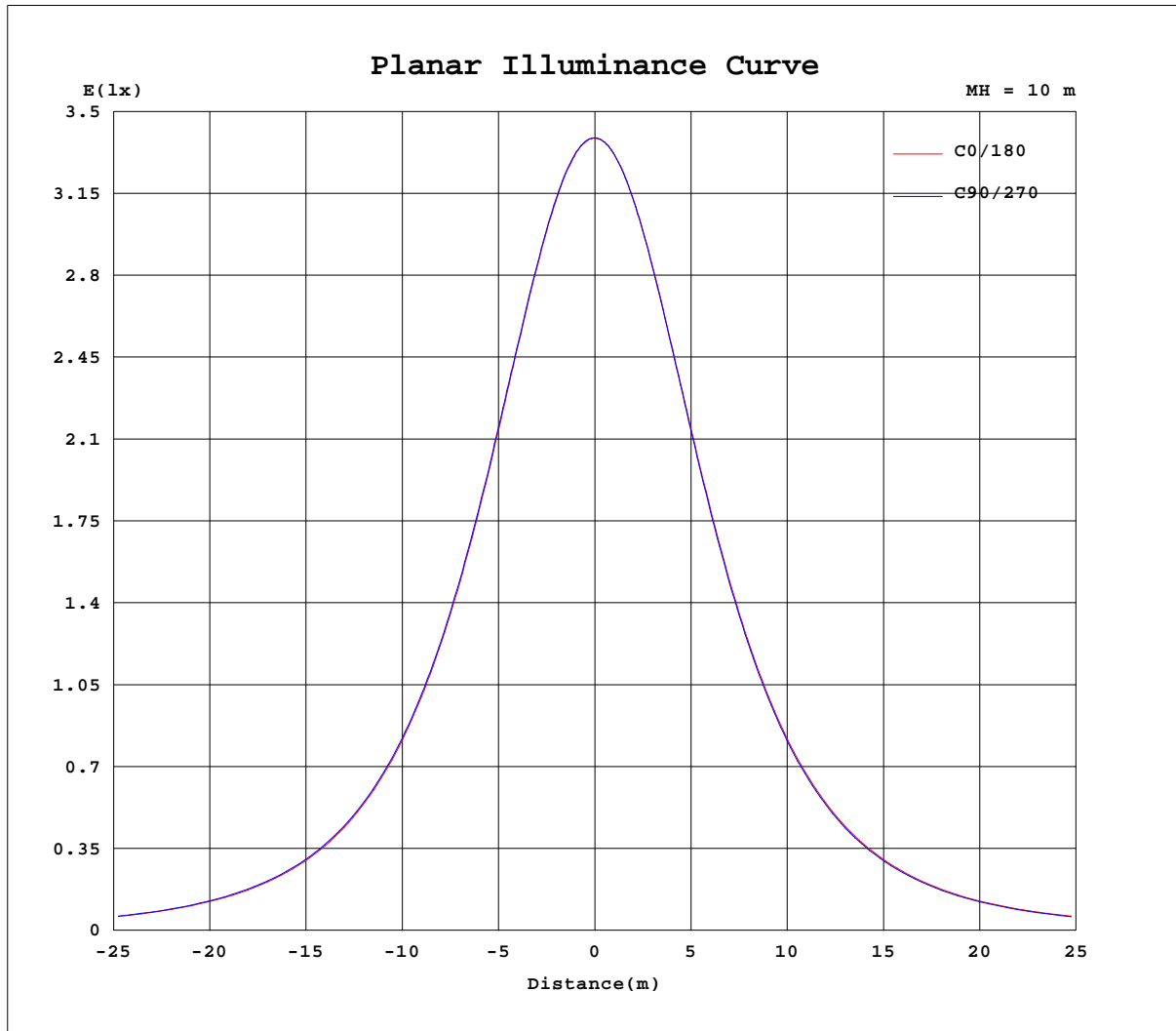
AvgL	cd/m2
L_0~180(65)av	626
L_0~180(75)av	632
L_0~180(85)av	970
L_90~270(65)av	624
L_90~270(75)av	630
L_90~270(85)av	974
L_45(65)av	625
L_45(75)av	631
L_45(85)av	980

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	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	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339	339
5	338	338	337	338	338	338	338	338	337	338	338	337	338	338	337	337	337	337	337
10	333	333	333	334	333	334	334	334	334	334	333	333	333	333	333	333	333	333	333
15	326	326	326	326	327	327	327	327	327	327	326	326	326	326	326	325	326	326	326
20	316	316	317	317	317	317	317	318	317	317	317	317	317	316	316	315	316	316	316
25	304	304	304	305	305	306	305	305	305	305	304	304	304	304	304	303	303	302	303
30	289	289	289	290	290	291	290	291	290	290	290	290	290	288	289	288	288	288	288
35	271	272	272	273	273	274	273	274	273	274	272	273	272	271	272	271	271	270	270
40	252	253	253	254	254	255	254	255	254	254	253	254	253	252	252	251	252	250	251
45	231	232	232	233	233	234	233	234	233	233	232	232	232	231	231	230	230	229	229
50	207	209	208	210	210	211	210	211	210	210	209	210	209	208	208	206	207	206	206
55	183	184	184	186	185	187	186	187	186	186	185	185	185	183	183	182	182	181	182
60	157	159	159	160	160	161	160	162	160	161	159	160	160	158	158	156	157	155	156
65	131	133	133	134	134	135	134	135	134	135	133	134	134	131	132	130	131	129	130
70	105	107	106	108	107	109	108	109	108	109	107	108	107	105	106	104	105	103	104
75	80.8	82.7	82.1	83.7	82.9	84.5	83.5	84.7	83.2	84.4	82.8	83.6	82.8	81.0	81.7	79.7	80.4	78.7	79.7
80	60.1	61.3	61.7	62.9	62.8	62.9	62.5	63.1	63.1	63.7	62.3	62.0	61.3	60.6	60.8	60.2	60.2	59.1	59.2
85	41.7	41.7	42.1	43.8	43.6	44.2	43.7	44.2	43.7	44.1	43.1	42.4	42.9	42.6	42.8	41.9	41.8	41.1	41.2
90	26.3	19.8	22.7	28.4	28.3	28.8	28.4	28.7	28.3	28.6	23.9	20.2	26.9	27.6	27.7	25.7	26.4	26.6	26.7
95	15.4	10.6	12.0	5.43	8.25	11.0	11.3	11.0	8.21	1.63	8.78	9.14	16.1	9.71	9.12	4.24	5.31	7.97	9.95
100	5.24	3.51	0.91	1.25	5.46	6.15	4.40	5.84	5.62	1.56	0.96	1.01	1.06	0.92	0.70	1.25	5.14	5.64	4.11
105	1.86	1.62	1.44	1.29	1.28	1.10	1.15	1.18	1.24	1.27	1.39	1.71	1.86	1.66	1.19	1.16	1.10	0.96	1.04
110	2.85	2.63	2.25	1.83	1.86	1.63	1.64	1.62	1.68	1.82	2.24	2.69	3.00	2.51	2.27	1.87	1.74	1.53	1.57
115	3.64	3.02	3.08	2.74	2.63	2.42	2.52	2.75	2.91	2.85	2.91	3.46	3.50	3.38	3.00	2.99	2.41	2.49	2.34
120	4.12	3.64	3.63	3.81	3.75	3.64	3.35	3.41	3.79	3.83	3.78	4.39	3.96	3.93	3.68	3.82	3.57	3.52	4.00
125	5.38	4.98	3.80	3.86	4.35	4.72	4.19	4.20	4.85	3.40	4.51	5.23	5.10	4.94	4.04	3.97	4.13	4.74	5.00
130	5.96	5.89	4.20	1.63	3.56	5.17	5.08	5.11	4.59	3.13	4.29	6.00	5.85	5.87	4.64	1.43	3.71	5.57	5.79
135	4.99	4.60	2.83	1.45	4.12	5.66	5.64	5.31	4.40	2.30	2.66	4.10	4.46	3.72	2.80	1.22	2.73	5.74	5.76
140	2.85	2.78	1.40	1.49	3.98	5.52	5.64	5.78	3.25	1.84	1.93	2.88	3.09	2.92	1.87	1.66	3.47	4.61	4.63
145	1.36	1.35	1.43	1.35	2.82	3.87	3.81	3.76	2.91	1.91	1.32	1.42	1.82	1.29	1.12	1.08	2.29	4.33	4.45
150	2.76	1.44	1.75	1.66	2.00	2.01	2.33	2.46	1.94	2.46	1.24	2.23	2.23	1.53	1.03	1.66	1.58	2.03	3.37
155	3.20	2.23	2.28	2.57	3.02	2.62	2.22	2.93	1.32	1.98	2.04	1.54	2.68	2.34	3.07	2.65	1.74	1.87	2.68
160	2.38	3.16	2.85	2.51	3.71	3.56	2.49	2.44	2.42	2.07	3.24	2.89	2.39	2.40	1.84	1.85	4.12	4.17	2.47
165	2.20	4.39	4.35	2.60	1.24	1.09	3.05	3.23	3.00	1.55	1.73	2.40	3.18	2.09	1.94	1.85	2.54	2.92	1.90
170	1.00	1.76	1.90	1.09	1.01	1.32	2.13	2.05	1.87	0.96	1.91	1.20	1.79	0.93	0.81	0.94	1.73	1.66	0.92
175	1.00	1.03	1.07	1.07	1.03	1.00	0.99	1.00	1.03	1.00	0.94	0.93	0.89	0.87	0.87	0.92	0.94	0.92	0.91
180	1.01	1.01	1.04	1.08	1.05	1.02	1.02	1.02	1.02	1.07	1.04	1.00	1.01	1.01	1.05	1.08	1.05	1.02	1.02

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:119.85V I:0.1278A P:14.848W PF:0.9693 Freq:59.98Hz Lamp Flux:1068.91x1 lm		
NAME: DLS6-MCT	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	339	339	339	339	339														
5	337	337	337	337	337														
10	333	333	333	333	333														
15	325	326	325	326	326														
20	315	316	315	316	316														
25	303	303	303	303	303														
30	287	288	288	288	288														
35	270	271	270	271	271														
40	250	251	251	252	251														
45	228	229	229	230	230														
50	205	206	206	207	207														
55	180	182	181	182	182														
60	155	156	155	157	156														
65	128	130	129	131	130														
70	102	104	103	105	104														
75	78.2	79.7	78.8	80.6	79.8														
80	58.8	59.7	59.3	59.7	59.5														
85	40.6	41.1	41.0	41.8	41.6														
90	26.2	26.5	26.4	26.9	26.8														
95	8.00	5.32	6.70	11.6	11.9														
100	5.81	5.23	1.21	0.78	2.86														
105	1.18	1.24	1.46	1.32	1.43														
110	1.55	1.64	1.85	2.01	2.37														
115	2.83	2.79	2.82	2.88	2.98														
120	3.69	3.65	3.78	3.87	3.57														
125	4.46	4.28	3.00	4.93	4.45														
130	5.57	3.40	1.56	4.54	5.33														
135	5.43	3.41	1.58	2.58	4.19														
140	4.33	2.76	1.21	1.21	2.73														
145	4.24	2.10	1.14	1.28	1.19														
150	1.87	1.61	2.06	1.48	1.14														
155	2.32	3.13	3.11	2.50	1.56														
160	2.78	3.24	2.14	2.72	3.09														
165	2.76	3.22	2.94	1.53	1.02														
170	1.12	1.96	1.97	2.01	1.02														
175	0.92	0.92	0.97	1.00	0.97														
180	1.02	1.03	1.07	1.04	1.01														

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:2020-05-27	Remarks: