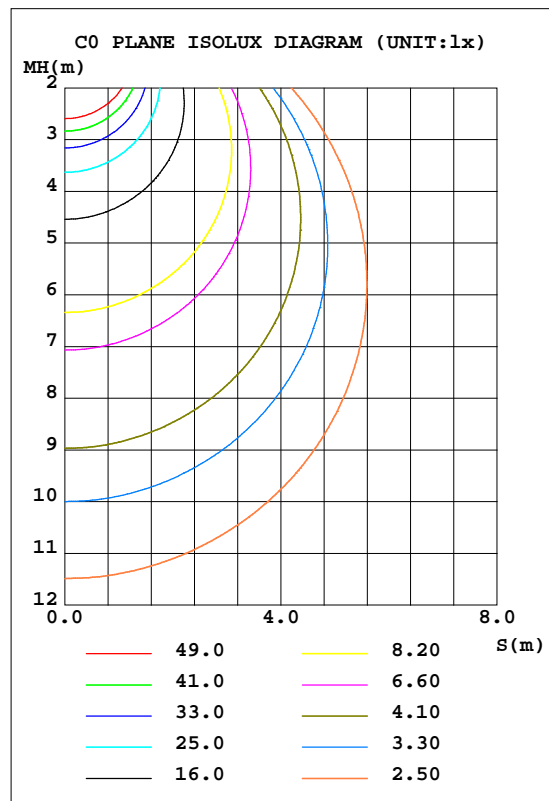
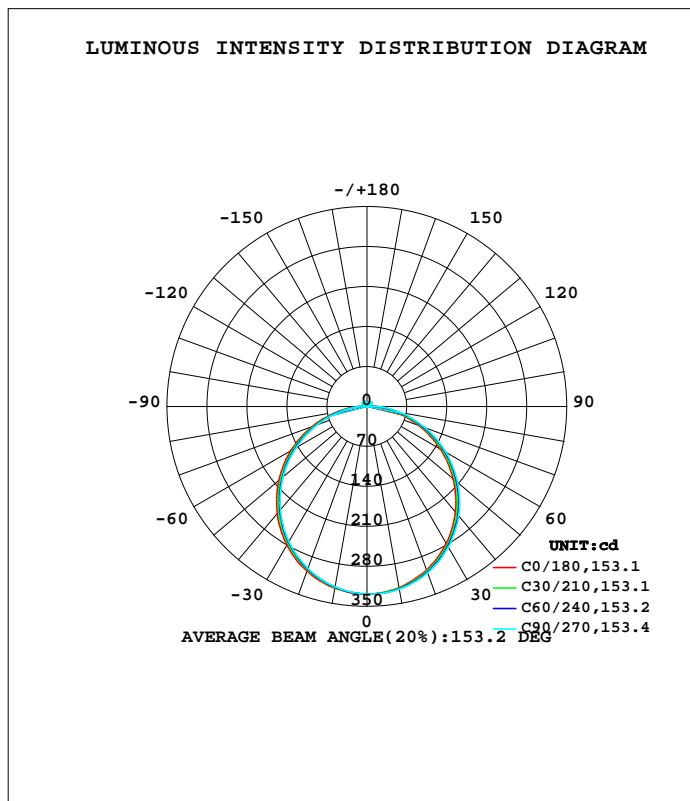


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.35 lm/W
MODEL	DLSE6-30K	I _{max} (cd)	328.7	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1007.5	h UP, DN(C0-180)	1.4, 50.1	
NOMINAL FLUX(lm)	1007.49	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.3, 47.2	
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: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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	322.2	323.9	324.9	324.6	323.3	321.3	320.5	320.6	0- 10	31.07	31.07	3.08,3.08
20	304.7	308.3	310.0	309.4	306.7	303.4	302.1	302.0	10- 20	89.08	120.2	11.9,11.9
30	277.2	282.4	284.5	284.3	280.0	275.2	273.4	273.4	20- 30	135.3	255.5	25.4,25.4
40	241.0	247.1	249.9	249.5	244.4	238.2	235.9	236.0	30- 40	163.8	419.3	41.6,41.6
50	197.1	204.4	207.2	207.2	201.4	194.1	191.6	191.7	40- 50	171.2	590.5	58.6,58.6
60	147.9	156.4	159.1	159.6	153.3	145.1	142.9	142.1	50- 60	157.0	747.5	74.2,74.2
70	96.10	104.7	107.7	108.2	101.7	93.41	91.22	90.22	60- 70	123.8	871.3	86.5,86.5
80	47.20	54.22	57.81	57.39	51.40	45.17	42.63	42.44	70- 80	78.02	949.3	94.2,94.2
90	9.573	14.32	16.82	16.59	12.54	8.945	7.766	7.347	80- 90	31.86	981.2	97.4,97.4
100	1.992	0.6522	0.7289	0.6537	1.864	0.7747	0.7193	0.9839	90-100	3.528	984.7	97.7,97.7
110	4.174	2.821	2.494	2.450	4.057	2.665	2.599	2.519	100-110	2.035	986.7	97.9,97.9
120	6.560	6.270	6.361	5.103	6.781	5.703	5.500	5.378	110-120	4.343	991.1	98.4,98.4
130	8.395	3.657	10.51	1.641	9.136	1.133	10.62	1.423	120-130	6.368	997.5	99,99
140	1.626	1.679	8.691	1.254	2.340	2.142	7.759	1.176	130-140	4.771	1002	99.5,99.5
150	2.188	1.478	6.941	2.201	1.069	1.902	6.176	1.515	140-150	2.320	1005	99.7,99.7
160	6.720	3.619	2.141	5.992	6.246	5.408	6.814	8.012	150-160	1.673	1006	99.9,99.9
170	1.010	1.115	2.033	0.9747	1.343	0.8561	1.069	1.109	160-170	1.173	1007	100,100
180	1.013	1.078	1.022	1.091	1.010	1.084	1.027	1.093	170-180	0.0937	1007	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm										
NAME: DLSE6-30K					TYPE:0			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	12.6	11.4	12.8	13.1	11.3	12.8	11.6	13.1	13.3
3H	12.7	14.1	13.0	14.4	14.7	13.1	14.5	13.4	14.7	15.0
4H	13.4	14.7	13.7	15.0	15.3	13.8	15.2	14.2	15.5	15.8
6H	14.0	15.2	14.3	15.5	15.9	14.5	15.8	14.9	16.1	16.4
8H	14.2	15.4	14.6	15.7	16.1	14.8	16.0	15.2	16.4	16.7
12H	14.4	15.5	14.8	15.9	16.2	15.1	16.3	15.5	16.6	17.0
4H 2H	11.7	13.1	12.1	13.4	13.7	11.9	13.3	12.3	13.6	13.9
3H	13.6	14.7	14.0	15.1	15.4	13.9	15.0	14.3	15.4	15.8
4H	14.4	15.5	14.8	15.8	16.2	14.8	15.9	15.2	16.2	16.6
6H	15.1	16.1	15.6	16.5	16.9	15.7	16.6	16.1	17.0	17.4
8H	15.4	16.3	15.9	16.7	17.2	16.0	16.9	16.5	17.3	17.8
12H	15.7	16.5	16.2	16.9	17.4	16.4	17.2	16.9	17.6	18.1
8H 4H	14.8	15.7	15.2	16.1	16.5	15.1	16.0	15.6	16.4	16.9
6H	15.7	16.4	16.2	16.9	17.4	16.2	16.9	16.7	17.4	17.9
8H	16.1	16.8	16.6	17.2	17.8	16.7	17.3	17.2	17.8	18.3
12H	16.5	17.1	17.0	17.6	18.1	17.2	17.8	17.7	18.3	18.8
12H 4H	14.8	15.6	15.3	16.1	16.5	15.2	16.0	15.6	16.4	16.9
6H	15.8	16.5	16.3	17.0	17.5	16.3	16.9	16.8	17.4	17.9
8H	16.3	16.9	16.8	17.4	17.9	16.8	17.4	17.4	17.9	18.4
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 / - 0.4					+ 0.1 / - 0.3				

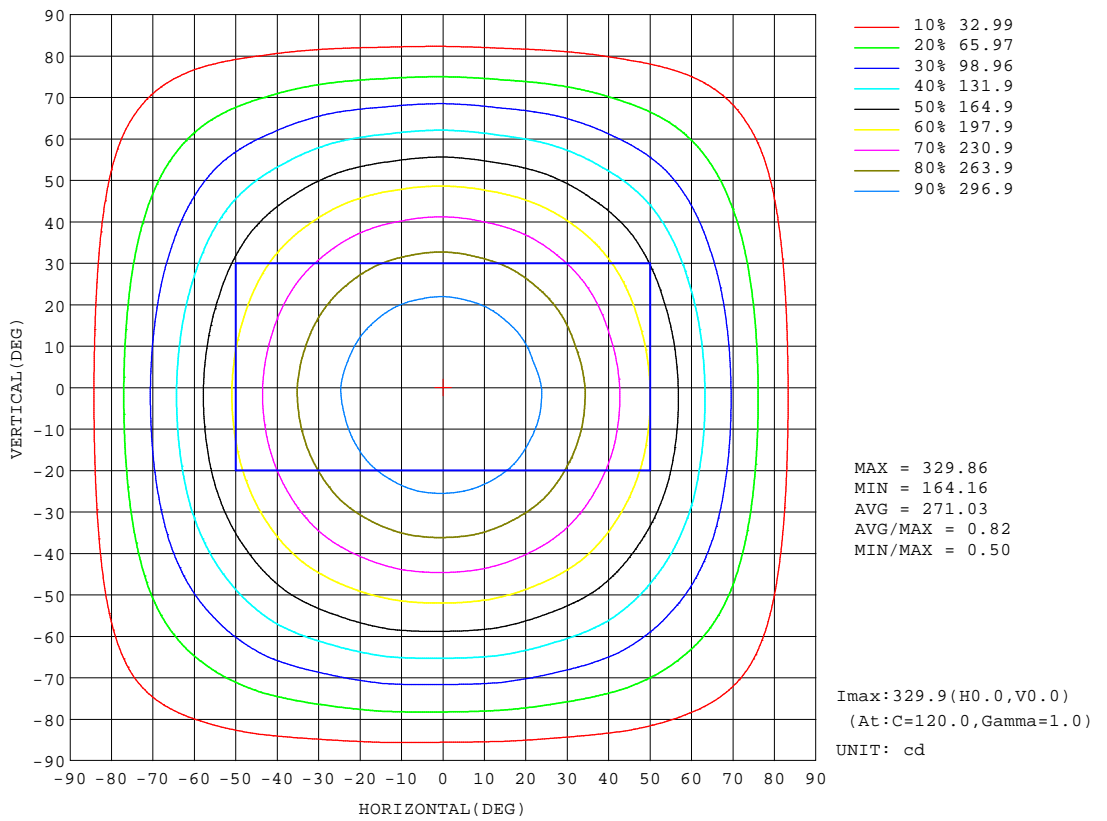
CIE Pub.117, 1007 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



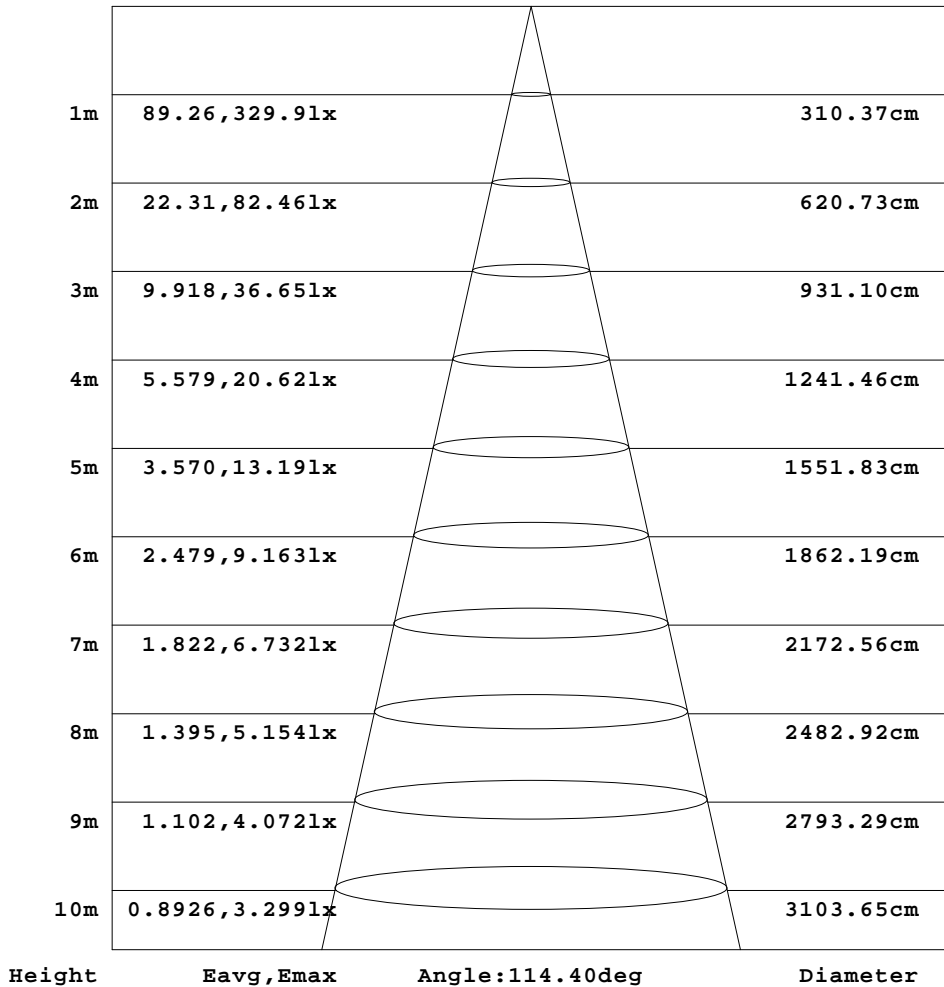
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:718.2 lm



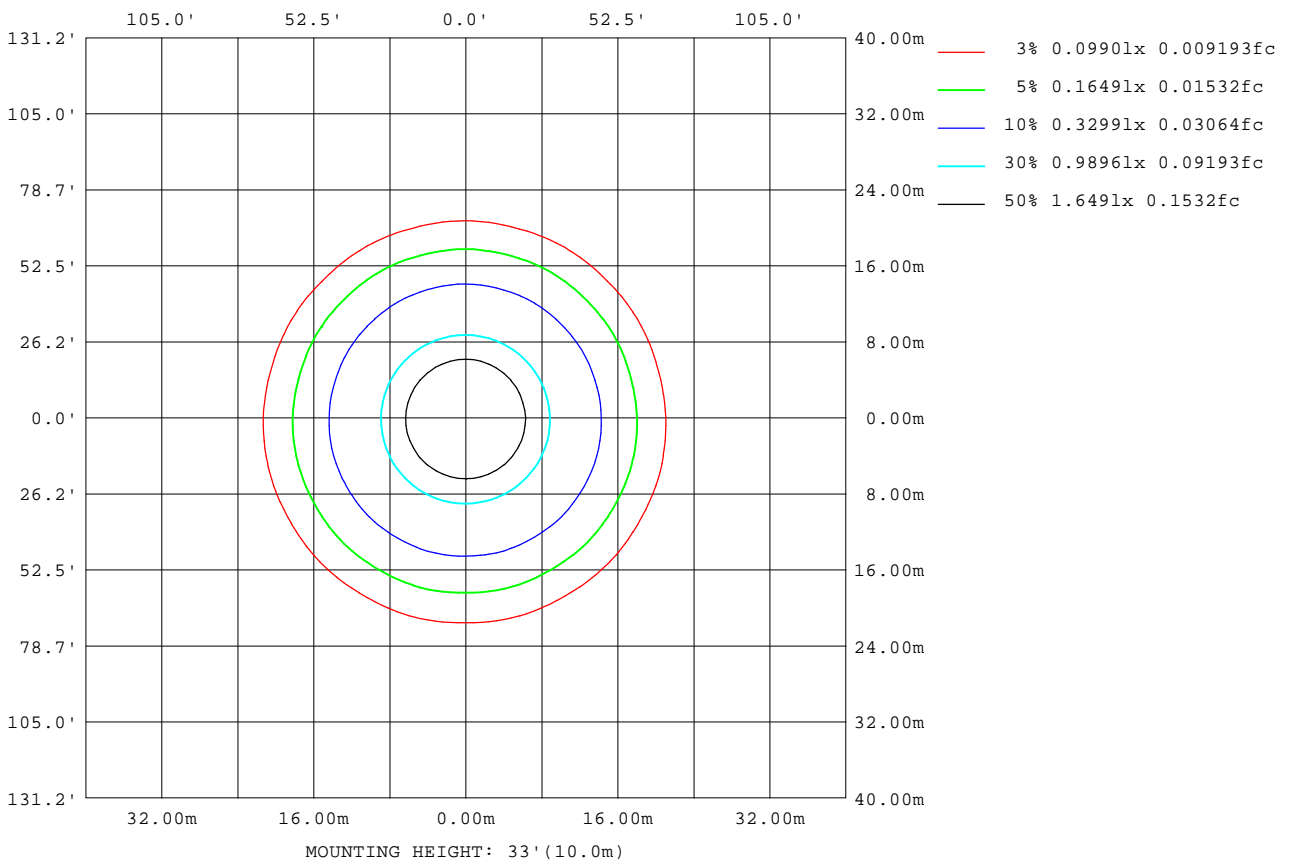
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	WEIGHT:
SPEC.:15W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

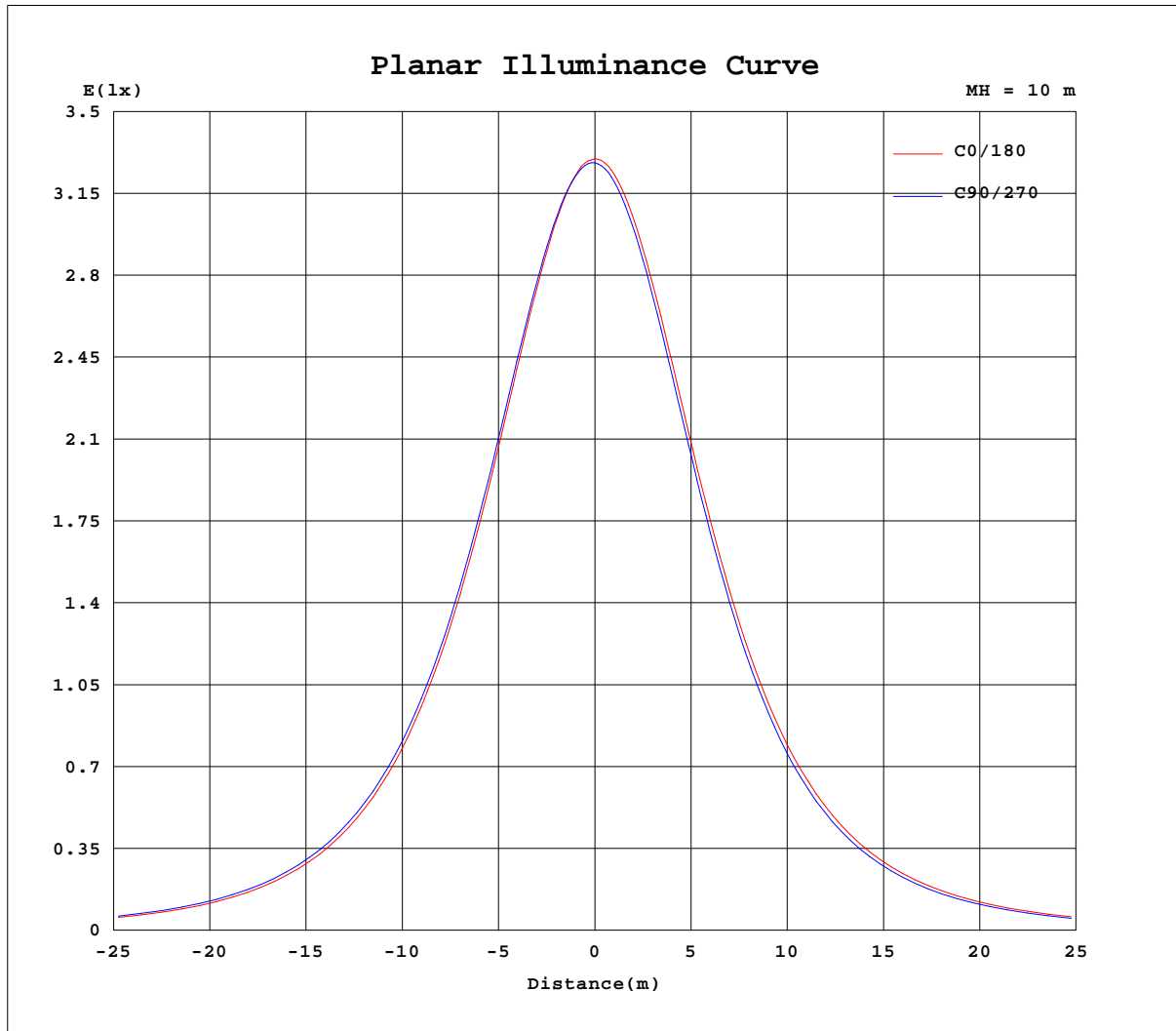
AvgL	cd/m2
L_0~180(65)av	591
L_0~180(75)av	567
L_0~180(85)av	641
L_90~270(65)av	593
L_90~270(75)av	570
L_90~270(85)av	667
L_45(65)av	592
L_45(75)av	570
L_45(85)av	655

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	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	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328	328
5	327	327	327	327	328	328	328	328	328	328	328	328	327	327	326	326	326	326	326
10	322	323	323	324	324	325	325	325	325	325	324	324	323	322	322	321	321	321	321
15	315	316	316	317	318	318	319	319	319	318	318	318	316	315	314	314	313	313	313
20	305	306	307	308	309	310	310	310	310	309	309	308	307	306	304	303	303	302	302
25	292	294	295	297	297	298	299	299	298	298	297	296	295	293	292	291	290	289	289
30	277	279	281	282	283	284	285	285	285	284	283	282	280	278	277	275	275	273	273
35	260	262	264	266	267	268	268	269	268	268	267	266	263	261	260	258	257	256	256
40	241	244	245	247	248	250	250	251	250	250	248	247	244	242	241	238	238	236	236
45	220	223	224	227	227	229	230	230	230	229	227	226	224	221	220	217	216	215	214
50	197	200	201	204	205	207	207	208	207	207	205	204	201	199	197	194	193	192	192
55	173	177	178	181	182	184	184	185	184	184	182	181	178	175	174	170	170	167	168
60	148	152	153	156	157	160	159	161	159	160	157	156	153	150	149	145	145	142	143
65	122	126	127	131	131	134	134	136	134	134	131	131	128	124	123	119	119	117	117
70	96.1	100.0	101	105	105	108	108	110	108	108	105	105	102	97.8	97.0	93.4	93.3	90.5	91.2
75	70.7	74.2	75.1	78.8	79.2	82.2	81.6	83.7	81.7	82.3	79.3	78.9	75.9	72.7	71.4	68.3	67.8	65.9	65.9
80	47.2	49.9	51.6	54.2	55.5	57.4	57.8	58.7	57.8	57.4	55.4	54.2	51.4	48.8	47.4	45.2	44.3	42.8	42.6
85	26.1	28.4	29.8	32.3	33.3	35.1	35.4	36.2	35.2	34.9	33.1	32.0	29.7	27.6	26.4	24.7	24.1	22.9	22.8
90	9.57	7.79	12.1	14.3	15.1	16.8	16.8	17.6	16.7	16.6	13.4	10.9	12.5	10.9	10.2	8.94	8.69	7.80	7.77
95	0.61	0.62	1.12	1.90	2.45	3.29	3.55	3.92	3.57	1.63	2.63	1.83	1.40	0.80	0.57	0.47	0.45	0.46	0.46
100	1.99	1.52	0.97	0.65	0.67	0.72	0.73	0.73	0.70	0.65	1.12	1.42	1.86	1.19	0.91	0.77	0.69	0.70	0.72
105	3.07	2.71	2.04	1.87	1.67	1.43	1.44	1.51	1.39	1.56	1.67	2.76	2.62	2.48	2.14	1.58	1.55	1.54	1.60
110	4.17	4.00	3.29	2.82	2.74	2.68	2.49	2.37	2.10	2.45	2.96	3.63	4.06	3.97	3.39	2.67	2.60	2.57	2.60
115	5.21	5.22	5.64	4.55	4.48	4.25	3.94	3.12	3.15	3.33	4.44	4.61	5.24	5.20	4.80	3.71	3.97	4.22	3.39
120	6.56	6.06	6.01	6.27	6.29	6.15	6.36	5.48	5.18	5.10	5.82	6.01	6.78	6.41	6.08	5.70	5.80	5.97	5.50
125	7.61	7.28	5.99	4.76	7.59	7.90	8.00	7.85	7.49	4.63	7.25	7.79	8.24	7.78	6.57	4.85	7.41	8.96	10.3
130	8.40	7.66	4.71	3.66	7.23	11.3	10.5	11.8	8.47	1.64	7.11	10.2	9.14	8.92	5.94	1.13	7.59	8.90	10.6
135	7.13	6.45	1.68	1.44	8.30	10.4	10.4	10.5	7.24	1.26	4.02	7.22	8.91	6.05	2.15	1.16	6.70	10.7	10.0
140	1.63	1.35	1.32	1.68	8.02	9.95	8.69	9.56	7.68	1.25	1.28	2.52	2.34	2.30	1.09	2.14	6.92	11.3	7.76
145	1.34	1.30	1.35	1.30	6.71	8.47	6.73	7.68	5.67	1.26	1.28	1.27	1.13	1.12	1.11	1.10	5.80	7.78	7.41
150	2.19	1.26	1.73	1.48	1.31	5.48	6.94	4.65	1.47	2.20	1.20	1.30	1.07	1.09	1.04	1.90	1.11	4.32	6.18
155	4.17	2.61	3.72	4.45	5.55	2.31	7.08	2.86	2.45	6.48	1.61	4.79	4.50	3.31	3.02	7.03	4.07	1.91	7.38
160	6.72	8.17	7.40	3.62	4.32	5.21	2.14	2.72	2.17	5.99	4.72	4.89	6.25	7.37	7.50	5.41	3.75	6.67	6.81
165	3.77	6.99	4.77	2.62	1.71	6.20	6.75	4.32	3.36	6.29	5.02	3.32	3.05	4.72	2.50	1.92	2.74	6.44	4.88
170	1.01	1.05	1.29	1.12	1.02	1.43	2.03	1.01	1.00	0.97	0.95	0.92	1.34	0.83	0.82	0.86	0.90	0.93	1.07
175	1.00	1.04	1.07	1.05	1.02	1.02	1.03	1.04	1.05	0.99	0.95	0.94	0.89	0.88	0.88	0.92	0.94	0.92	0.93
180	1.01	1.02	1.05	1.08	1.04	1.02	1.02	1.03	1.06	1.09	1.05	1.02	1.01	1.02	1.05	1.08	1.04	1.03	1.03

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:120.41V I:0.1416A P:15.656W PF:0.9182 Freq:59.98Hz Lamp Flux:1007.49x1 lm		
NAME: DLSE6-30K	TYPE:0	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	328	328	328	328	328														
5	326	326	326	326	327														
10	320	321	321	322	322														
15	312	313	313	314	314														
20	301	302	302	303	304														
25	288	289	289	290	291														
30	273	273	273	275	276														
35	255	256	256	257	258														
40	235	236	236	238	239														
45	214	215	215	217	218														
50	191	192	192	194	195														
55	166	168	167	170	170														
60	141	143	142	145	145														
65	115	117	116	119	119														
70	89.3	91.0	90.2	93.1	93.2														
75	64.7	65.7	65.6	67.7	68.2														
80	41.8	42.4	42.4	44.0	44.9														
85	21.9	22.4	22.2	23.5	24.1														
90	7.36	7.29	7.35	7.89	8.24														
95	0.48	0.47	0.49	0.47	0.49														
100	0.71	0.67	0.98	1.04	1.31														
105	1.54	1.56	1.86	2.09	2.50														
110	2.70	2.58	2.52	3.76	4.27														
115	3.48	3.49	3.42	5.51	5.43														
120	5.26	5.56	5.38	6.86	6.74														
125	9.85	7.17	4.04	8.25	7.87														
130	8.47	6.49	1.42	8.35	8.70														
135	9.53	5.78	1.19	4.29	7.27														
140	11.4	5.57	1.18	1.18	1.27														
145	7.85	4.49	1.15	1.16	1.18														
150	3.07	2.21	1.51	1.13	1.14														
155	3.02	4.08	5.62	2.99	3.82														
160	2.15	3.59	8.01	4.19	5.20														
165	2.35	3.96	5.73	5.55	1.47														
170	0.93	0.91	1.11	0.96	0.94														
175	0.92	0.95	0.99	1.01	0.98														
180	1.03	1.06	1.09	1.05	1.02														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-04-08

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks: