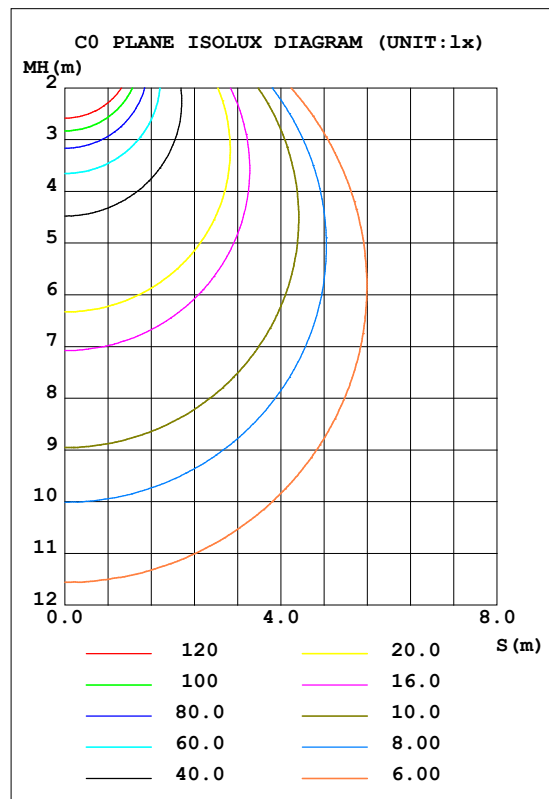
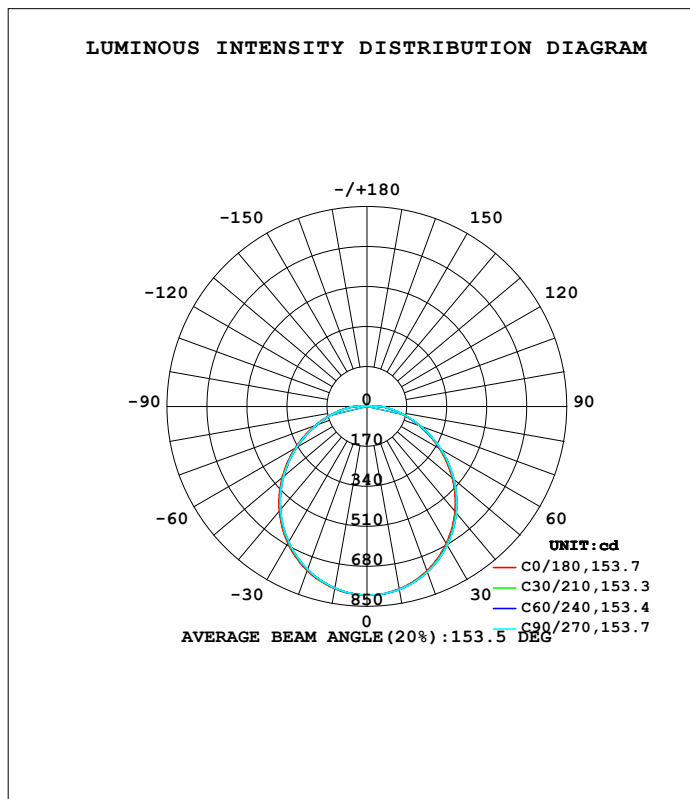


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	DLS12-MCT-PIR	Imax (cd)	802.6	S/MH (C0/180)	1.25
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2426.8	h UP, DN (C0-180)	1.3,49.5
NOMINAL FLUX (lm)	2426.78	CIE CLASS	DIRECT	h UP, DN (C180-360)	1.1,48.1
LAMPS INSIDE	1	h up (%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	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:2020-05-29

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	787.7	790.0	790.2	789.5	786.6	784.1	784.2	784.8	0- 10	75.85	75.85	3.13,3.13
20	744.2	749.2	749.4	747.5	742.8	737.3	737.6	738.9	10- 20	216.9	292.7	12.1,12.1
30	674.1	681.6	682.1	678.1	672.9	665.2	665.5	667.5	20- 30	327.8	620.6	25.6,25.6
40	582.5	591.5	591.1	587.4	580.2	572.0	572.0	574.7	30- 40	394.0	1015	41.8,41.8
50	473.5	483.7	483.4	479.0	471.1	461.6	462.9	465.2	40- 50	407.8	1422	58.6,58.6
60	354.6	364.1	363.8	359.4	351.7	342.4	344.2	345.6	50- 60	369.8	1792	73.8,73.8
70	234.5	241.8	242.1	238.3	232.4	223.2	226.2	226.3	60- 70	289.5	2082	85.8,85.8
80	130.8	135.5	136.1	133.3	130.3	121.5	126.1	123.8	70- 80	189.3	2271	93.6,93.6
90	55.71	60.28	58.49	58.64	54.78	52.35	53.13	53.11	80- 90	97.34	2368	97.6,97.6
100	12.03	22.85	12.02	20.17	10.18	19.15	11.03	19.29	90-100	33.76	2402	99,99
110	4.205	6.557	4.175	5.026	3.355	5.783	4.136	5.592	100-110	9.518	2412	99.4,99.4
120	3.433	4.418	3.621	3.903	2.916	3.648	3.550	4.077	110-120	3.987	2416	99.5,99.5
130	3.425	4.167	3.585	3.658	2.580	2.858	2.853	3.842	120-130	3.089	2419	99.7,99.7
140	4.091	4.541	4.154	3.569	2.941	2.478	2.982	3.640	130-140	2.761	2421	99.8,99.8
150	3.904	5.146	4.076	3.783	2.949	2.983	2.947	3.534	140-150	2.325	2424	99.9,99.9
160	3.958	4.292	4.111	3.647	2.704	2.832	3.501	3.608	150-160	1.689	2425	99.9,99.9
170	4.209	3.753	3.834	3.695	3.351	3.512	3.639	4.023	160-170	1.027	2426	100,100
180	4.526	4.373	4.446	4.343	4.529	4.371	4.445	4.344	170-180	0.3790	2427	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:2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm										
NAME: DLS12-MCT-PIR					TYPE:			WEIGHT:		
SPEC.:30W					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	14.0	15.5	14.3	15.8	16.0	14.1	15.6	14.4	15.9	16.1
3H	15.7	17.1	16.0	17.3	17.6	15.8	17.2	16.1	17.5	17.8
4H	16.4	17.7	16.8	18.0	18.3	16.6	17.9	16.9	18.2	18.5
6H	17.1	18.4	17.5	18.7	19.0	17.3	18.5	17.6	18.8	19.2
8H	17.4	18.6	17.8	19.0	19.3	17.6	18.8	18.0	19.2	19.5
12H	17.8	18.9	18.2	19.3	19.6	18.0	19.1	18.3	19.5	19.8
4H 2H	14.7	16.0	15.0	16.3	16.6	14.7	16.1	15.1	16.4	16.7
3H	16.5	17.7	16.9	18.0	18.4	16.6	17.8	17.0	18.1	18.5
4H	17.4	18.5	17.8	18.9	19.2	17.5	18.6	17.9	19.0	19.4
6H	18.3	19.2	18.7	19.6	20.1	18.4	19.4	18.9	19.8	20.2
8H	18.7	19.6	19.1	20.0	20.4	18.9	19.8	19.3	20.2	20.6
12H	19.1	20.0	19.6	20.4	20.8	19.3	20.1	19.8	20.6	21.0
8H 4H	17.8	18.7	18.2	19.1	19.5	17.9	18.8	18.3	19.2	19.6
6H	18.9	19.6	19.3	20.1	20.5	19.0	19.7	19.5	20.2	20.7
8H	19.4	20.1	19.9	20.6	21.1	19.6	20.2	20.1	20.7	21.2
12H	20.0	20.6	20.6	21.1	21.6	20.2	20.8	20.7	21.3	21.8
12H 4H	17.8	18.7	18.3	19.1	19.5	17.9	18.8	18.4	19.2	19.6
6H	19.0	19.7	19.5	20.1	20.6	19.1	19.8	19.6	20.3	20.8
8H	19.6	20.2	20.2	20.7	21.2	19.8	20.4	20.3	20.8	21.4
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 / - 0.3					+ 0.1 / - 0.3				

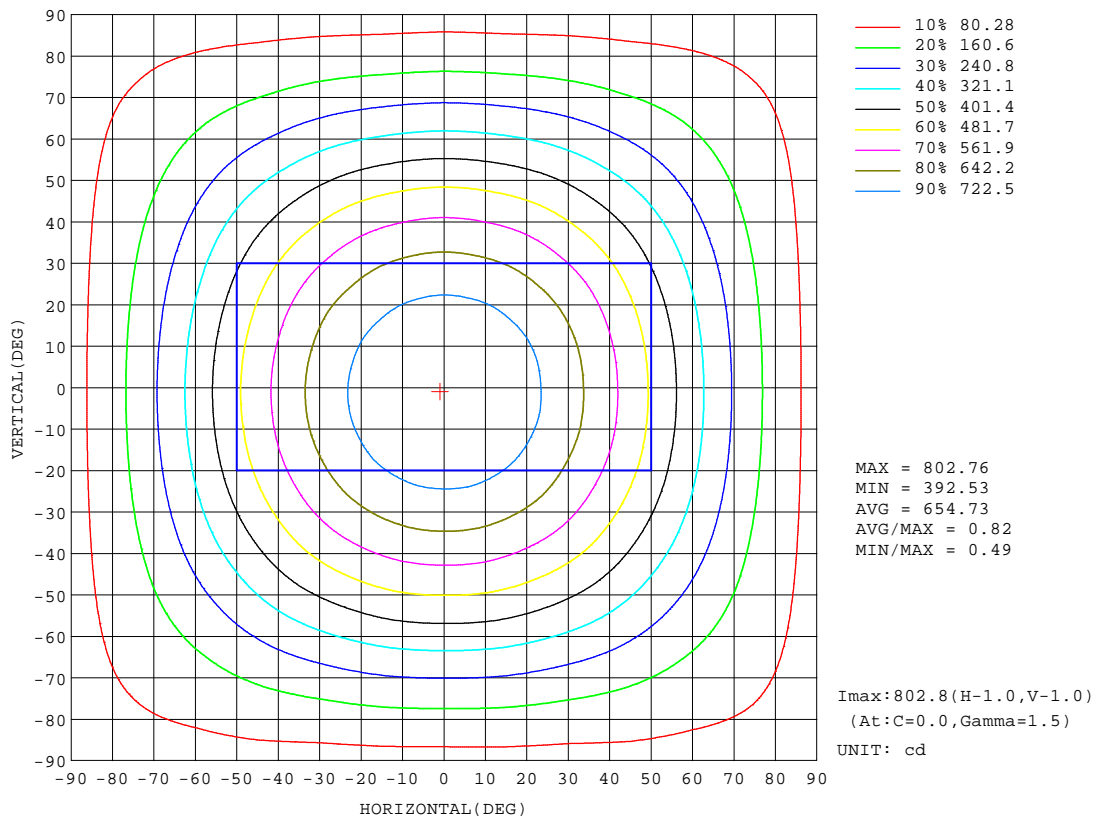
CIE Pub.117, 2427 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.1)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:



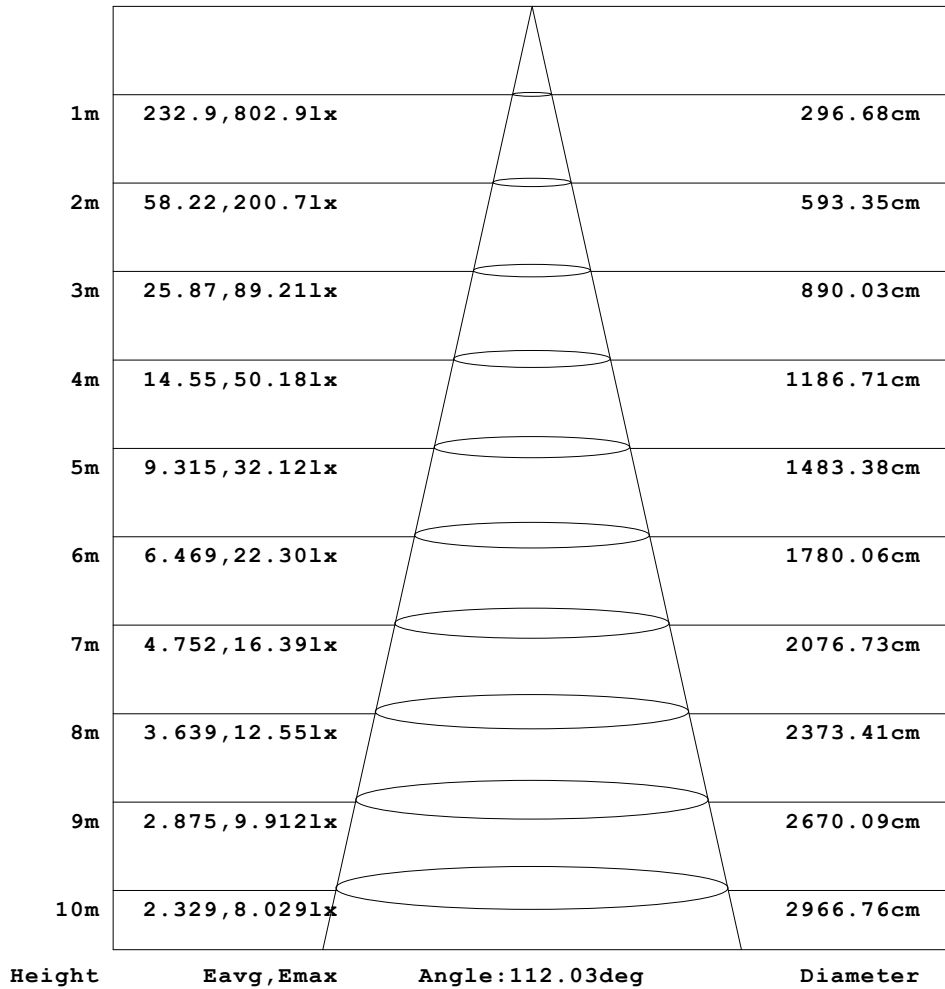
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Flux out:1670 lm



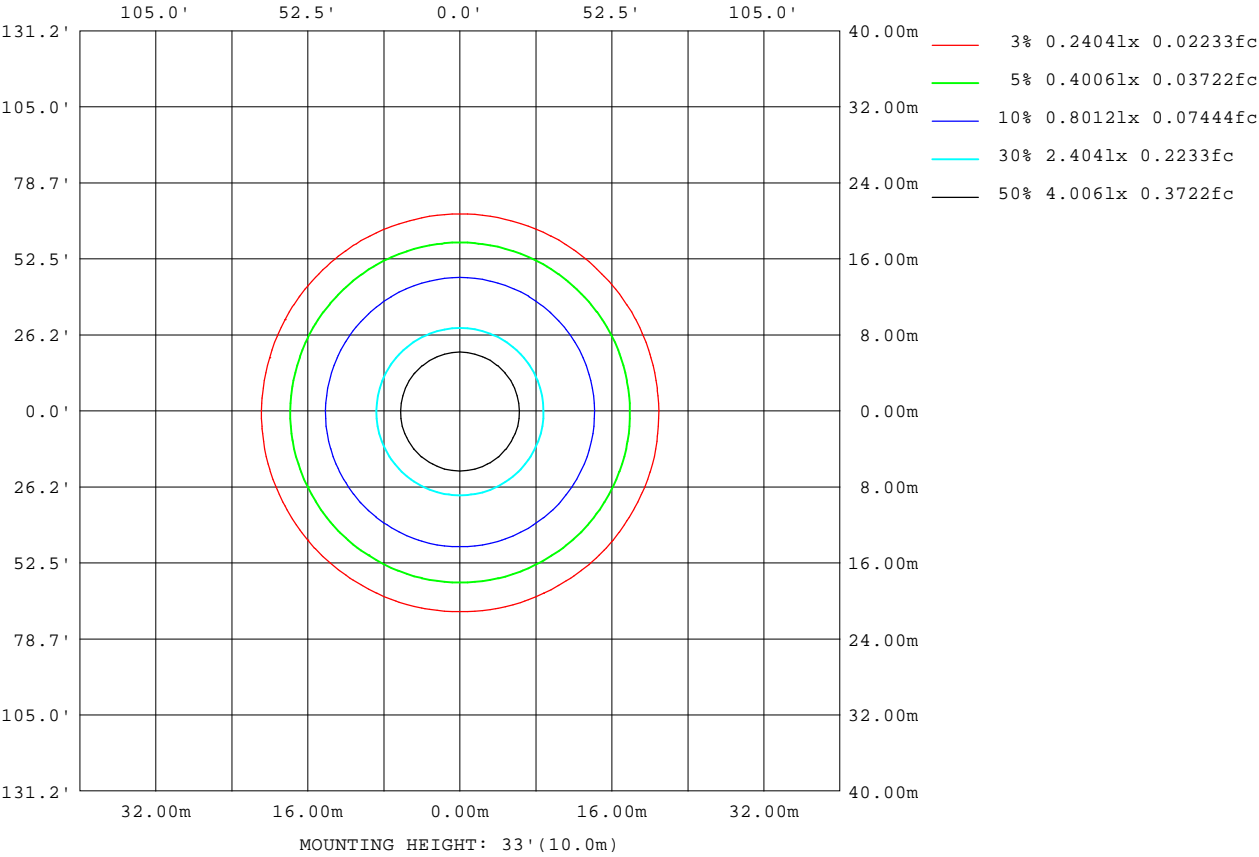
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	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:2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

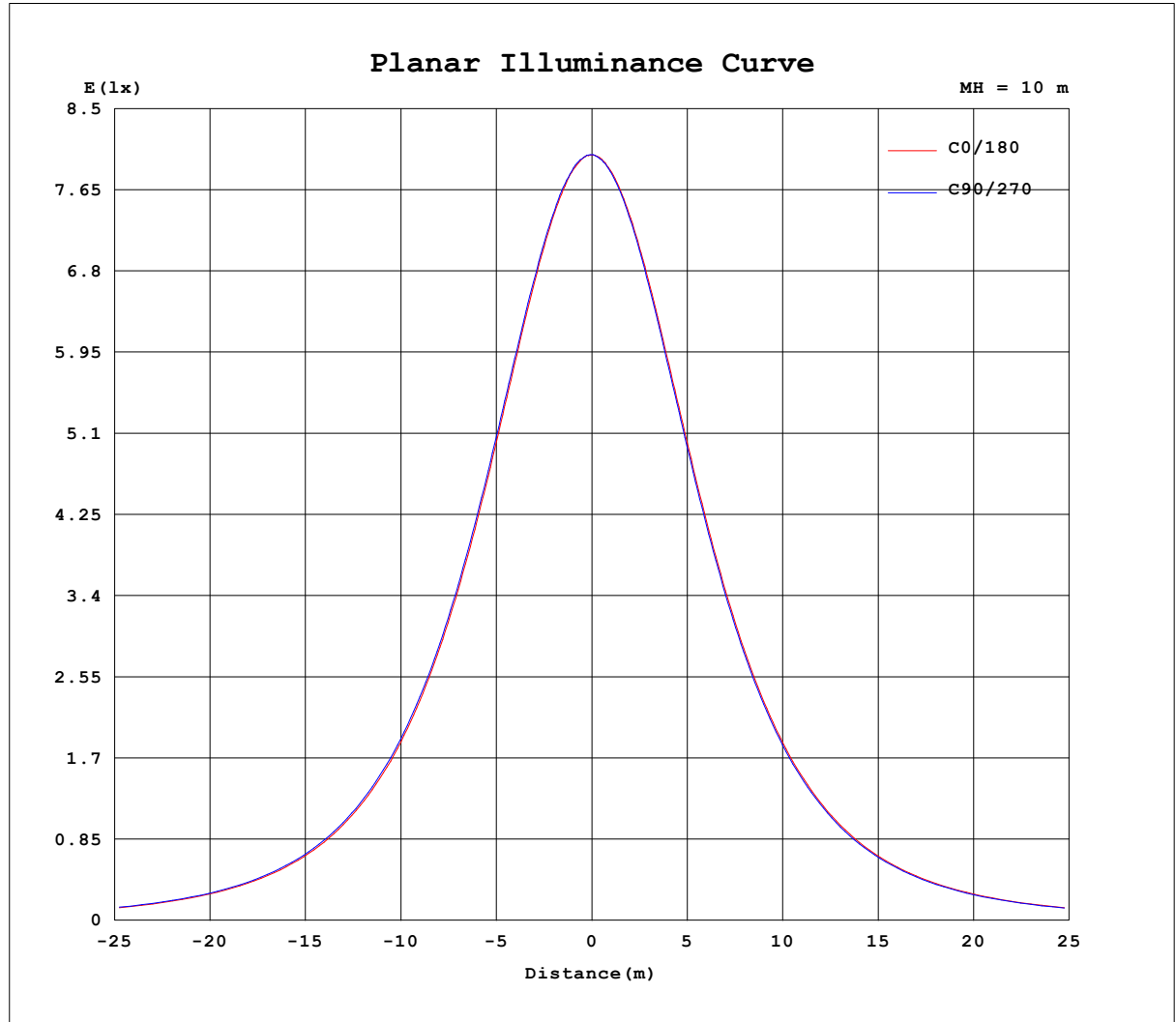
AvgL	cd/m2
L_0~180 (65) av	1383
L_0~180 (75) av	1384
L_0~180 (85) av	2046
L_90~270 (65) av	1388
L_90~270 (75) av	1388
L_90~270 (85) av	2055
L_45 (65) av	1380
L_45 (75) av	1373
L_45 (85) av	1998

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-29

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: 2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	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	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802
5	799	799	800	800	800	800	800	800	799	800	798	798	798	798	797	797	796	797	797
10	788	789	789	790	790	790	790	790	790	789	787	787	787	786	785	784	784	784	784
15	770	771	772	773	773	774	773	774	773	772	769	769	768	767	766	764	764	763	764
20	744	746	747	749	749	750	749	750	748	748	745	744	743	740	740	737	738	737	738
25	712	715	716	718	719	720	719	719	717	716	713	712	711	708	707	704	705	703	704
30	674	678	678	682	682	683	682	682	680	678	675	674	673	669	668	665	666	664	666
35	631	635	636	639	639	640	639	639	637	635	631	630	629	625	624	621	622	620	621
40	582	587	588	592	592	593	591	592	589	587	583	582	580	576	575	572	572	571	572
45	530	535	536	540	539	541	539	540	536	535	530	530	528	523	522	518	519	518	519
50	474	478	480	484	483	485	483	484	480	479	474	473	471	466	465	462	462	461	463
55	415	419	421	425	424	426	425	425	421	420	415	414	412	408	406	403	403	402	405
60	355	359	360	364	363	366	364	364	360	359	355	354	352	347	346	342	343	342	344
65	294	298	299	302	302	304	302	303	299	298	294	293	291	286	285	281	282	282	284
70	235	238	238	242	241	244	242	243	239	238	234	234	232	228	226	223	224	224	226
75	180	183	183	186	185	188	186	187	183	183	180	180	179	174	173	169	171	170	173
80	131	133	133	136	135	137	136	137	133	133	130	131	130	126	125	122	124	123	126
85	89.2	91.0	89.9	92.8	91.4	94.0	93.1	93.2	89.9	91.0	88.0	89.1	89.1	84.6	83.4	81.6	83.0	82.9	86.1
90	55.7	56.5	58.1	60.3	58.4	58.4	58.5	57.6	57.3	58.6	55.9	54.2	54.8	51.4	51.7	52.4	51.9	50.9	53.1
95	24.1	27.8	34.7	37.5	33.4	27.1	26.0	26.5	32.3	35.4	31.8	24.5	22.6	22.2	29.1	31.7	29.7	23.2	22.9
100	12.0	15.8	20.7	22.9	19.4	13.8	12.0	12.9	17.5	20.2	17.1	10.1	10.2	11.8	17.3	19.1	17.7	12.4	11.0
105	6.64	8.89	11.4	12.7	10.5	7.82	6.02	7.20	8.61	9.44	7.74	4.48	5.32	6.68	9.68	10.7	9.80	7.00	5.87
110	4.20	5.23	6.34	6.56	5.99	4.83	4.17	4.39	5.15	5.03	4.42	3.14	3.35	4.14	5.61	5.78	5.72	4.31	4.14
115	3.60	4.09	4.55	4.70	4.41	3.87	3.79	3.31	3.91	4.01	3.67	2.89	3.08	3.32	4.45	4.32	4.29	3.47	3.76
120	3.43	3.92	4.33	4.42	4.26	3.84	3.62	3.14	4.02	3.90	3.72	3.17	2.92	3.00	4.05	3.65	4.05	3.17	3.55
125	3.04	3.68	3.62	3.92	3.77	3.63	3.36	3.18	3.32	3.35	3.85	3.57	2.58	2.42	3.38	2.61	3.24	2.84	3.01
130	3.42	3.68	3.93	4.17	4.08	3.96	3.58	3.46	3.58	3.66	3.92	3.83	2.58	2.35	2.91	2.86	3.48	3.02	2.85
135	3.92	3.96	3.80	4.47	4.54	4.03	3.79	4.17	4.05	3.93	3.91	3.51	2.72	2.50	2.94	2.52	3.06	3.07	2.90
140	4.09	4.42	4.06	4.54	4.44	4.05	4.15	4.06	3.37	3.57	3.82	3.62	2.94	2.51	2.93	2.48	3.10	2.82	2.98
145	4.24	4.66	4.53	4.63	4.65	4.29	4.34	3.61	3.41	3.59	3.77	3.72	2.90	2.98	3.14	2.82	3.16	3.00	3.25
150	3.90	4.38	4.56	5.15	4.87	4.54	4.08	3.78	3.67	3.78	3.95	3.74	2.95	2.65	2.77	2.98	3.15	2.85	2.95
155	3.87	4.11	3.96	4.63	4.43	4.47	4.19	4.00	4.16	3.91	3.88	3.72	2.92	2.69	2.78	3.06	3.06	3.27	3.44
160	3.96	4.21	4.37	4.29	4.36	4.29	4.11	3.46	3.53	3.65	3.93	3.64	2.70	2.77	2.70	2.83	2.88	2.84	3.50
165	4.04	4.11	4.45	4.17	4.05	4.13	3.69	3.46	3.44	3.60	3.68	3.67	2.95	3.08	2.92	3.02	3.20	3.25	3.69
170	4.21	3.99	3.75	3.75	3.80	3.78	3.83	3.61	3.60	3.69	3.84	3.90	3.35	3.47	3.50	3.51	3.47	3.44	3.64
175	4.46	4.23	4.08	4.04	4.04	4.05	3.97	3.84	3.87	3.99	4.09	4.17	3.92	4.00	3.99	3.93	3.79	3.79	4.19
180	4.53	4.52	4.44	4.37	4.37	4.41	4.45	4.33	4.33	4.34	4.36	4.40	4.53	4.53	4.44	4.37	4.37	4.42	4.44

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-29

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:120.01V I:0.2769A P:30.785W PF:0.9264 Freq:59.98Hz Lamp Flux:2426.78x1 lm		
NAME: DLS12-MCT-PIR	TYPE:	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:
MFR.: LiBo	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) g (DEG)	285	300	315	330	345														
0	802	802	802	802	802														
5	797	797	797	798	798														
10	785	785	785	786	787														
15	764	765	765	767	768														
20	738	739	739	741	743														
25	704	706	706	709	711														
30	665	667	667	670	672														
35	621	623	624	627	629														
40	572	574	575	578	580														
45	518	522	521	525	527														
50	462	465	465	469	470														
55	403	406	406	410	412														
60	343	346	346	350	352														
65	283	285	285	289	291														
70	225	227	226	230	232														
75	172	173	172	176	177														
80	124	125	124	127	128														
85	83.7	84.3	82.9	85.0	86.4														
90	51.5	52.8	53.1	52.4	53.0														
95	23.1	30.1	31.9	29.1	22.9														
100	12.2	17.6	19.3	17.2	12.2														
105	6.93	9.56	10.7	9.69	6.73														
110	4.27	5.47	5.59	5.26	3.94														
115	3.65	4.31	4.26	4.01	3.38														
120	3.54	4.26	4.08	3.93	3.42														
125	3.01	3.22	3.49	3.39	3.55														
130	3.09	3.73	3.84	3.69	3.45														
135	3.70	3.31	3.66	3.64	3.62														
140	3.41	3.47	3.64	3.97	3.79														
145	3.62	3.72	4.01	3.91	3.93														
150	3.42	3.83	3.53	3.97	3.79														
155	3.57	3.20	3.45	3.54	3.50														
160	3.54	3.28	3.61	3.63	3.49														
165	3.94	3.89	3.83	3.66	3.59														
170	4.11	4.09	4.02	3.85	3.79														
175	4.41	4.32	4.23	4.12	4.09														
180	4.34	4.33	4.34	4.36	4.40														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:2020-05-29

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: