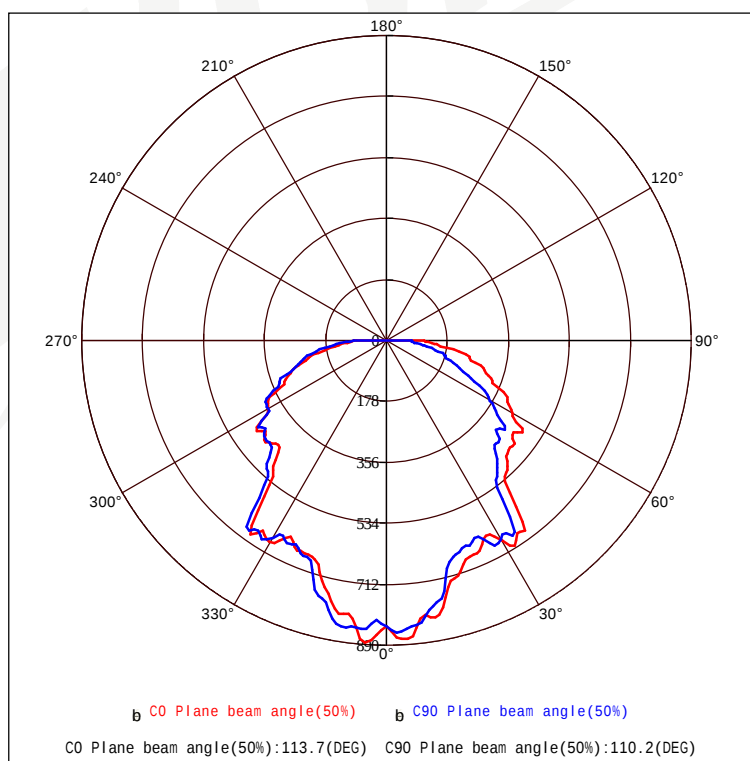


LED DOWN LIGHT

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm						
Lamp Name: LPDL-30A-Y			Lamp Type: CLASS II		Weight(kg):	
Lamp ID:			Lamp Spec: LPDL-30A-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPDL-30A-Y		Peak Value(cd)	889.3	Efficiency(lm/w)	90.0
Nominal P(w)		1.0	Position	180.0,4.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	2482.779	Down(C0-C180)	49.7
Rated Flux(lm)		1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		1	Dw Flux Rate(%)	100.0	Down(C180-C360)	50.3

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

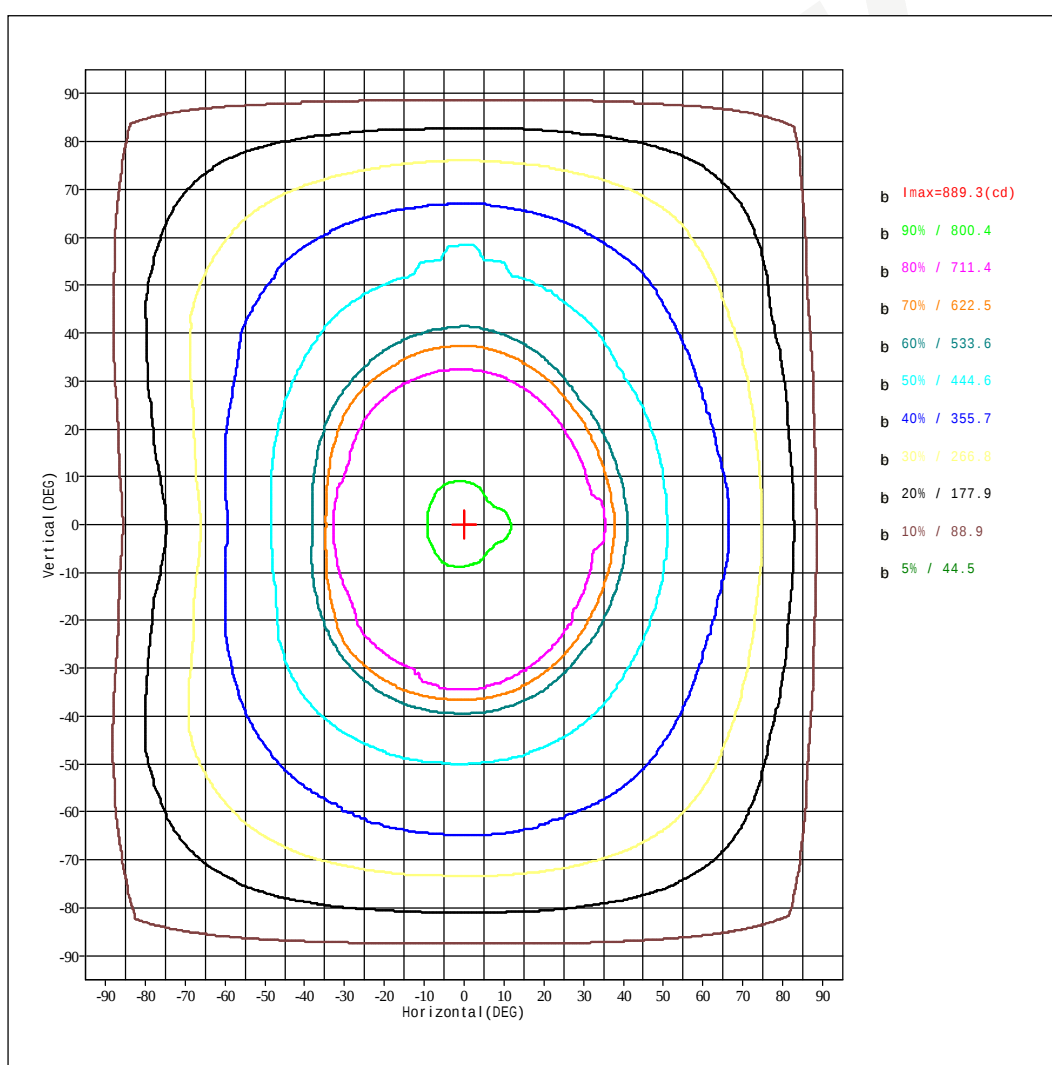
Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

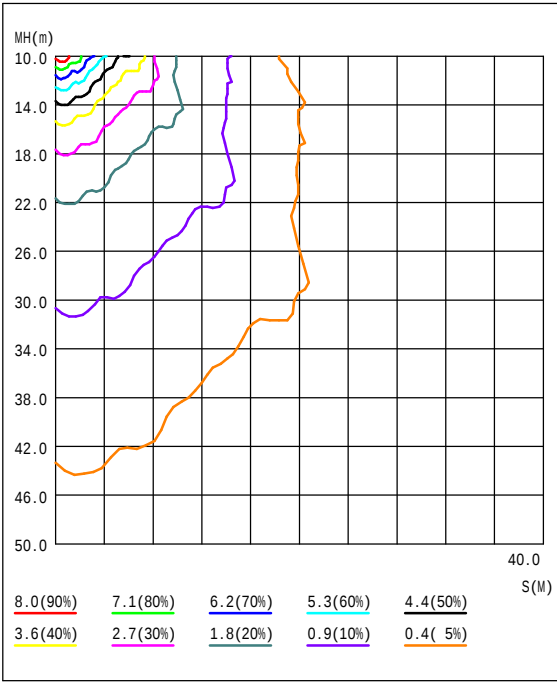
Humidity(%): 60

Date: 2019-11-2

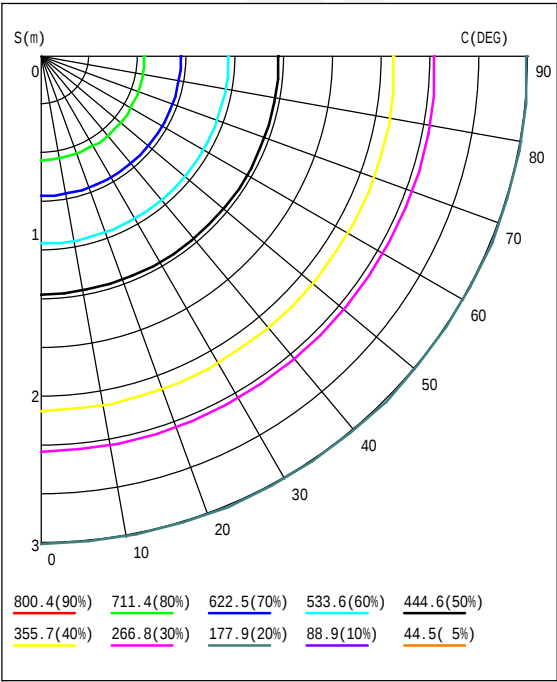
Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

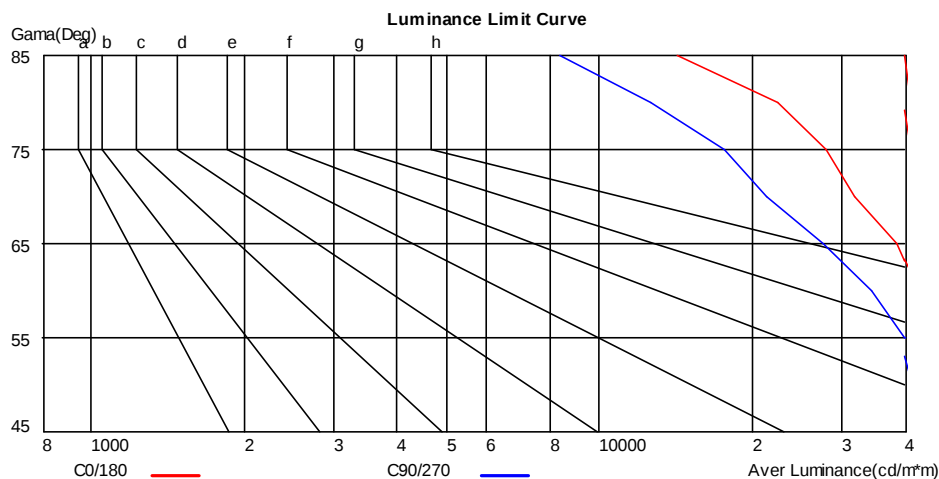
Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	49088.2	49045.2	47357.2	42803.1	38516.4	31902.4	27987.5	22481.2	14240.2
C90	44248.1	41539.5	40003.9	34510.6	27582.2	21319.1	17684.2	12647.7	8366.5

Glare									
Glare	Class	Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

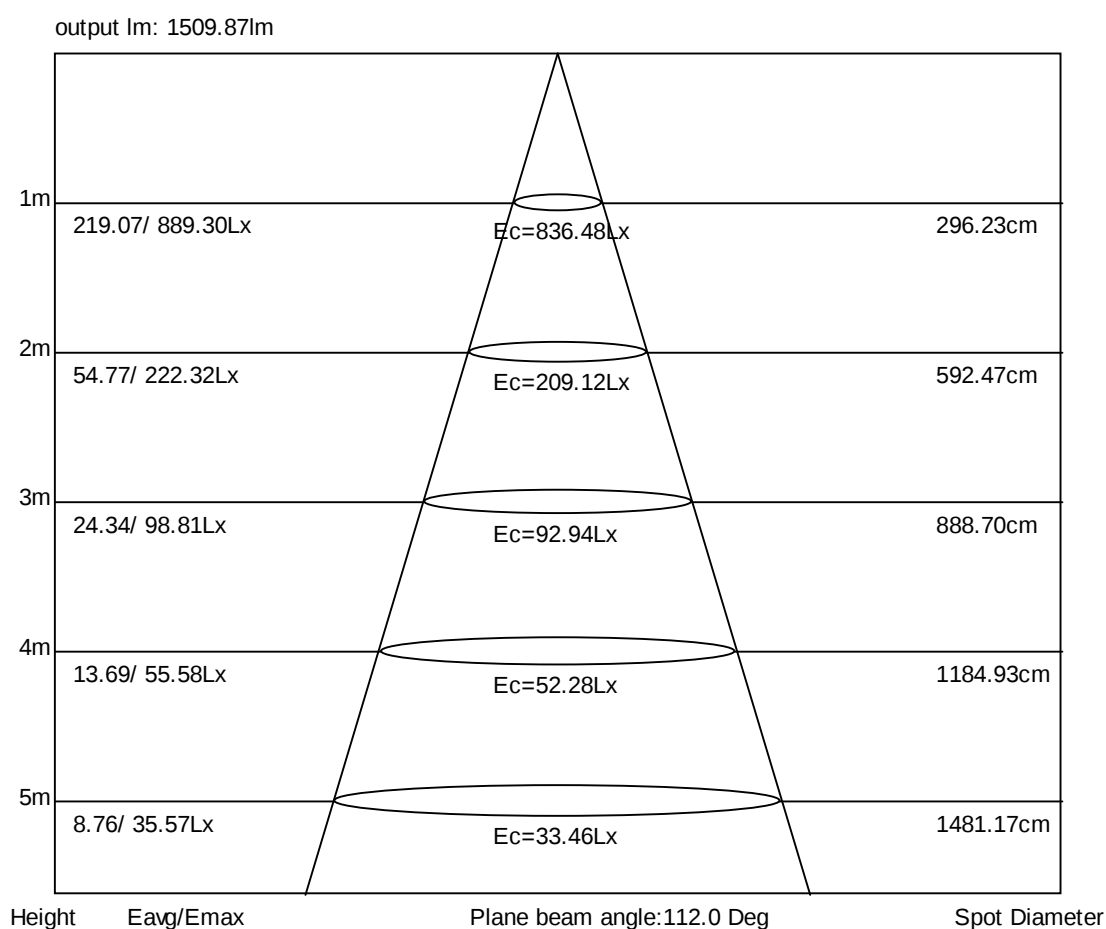
Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

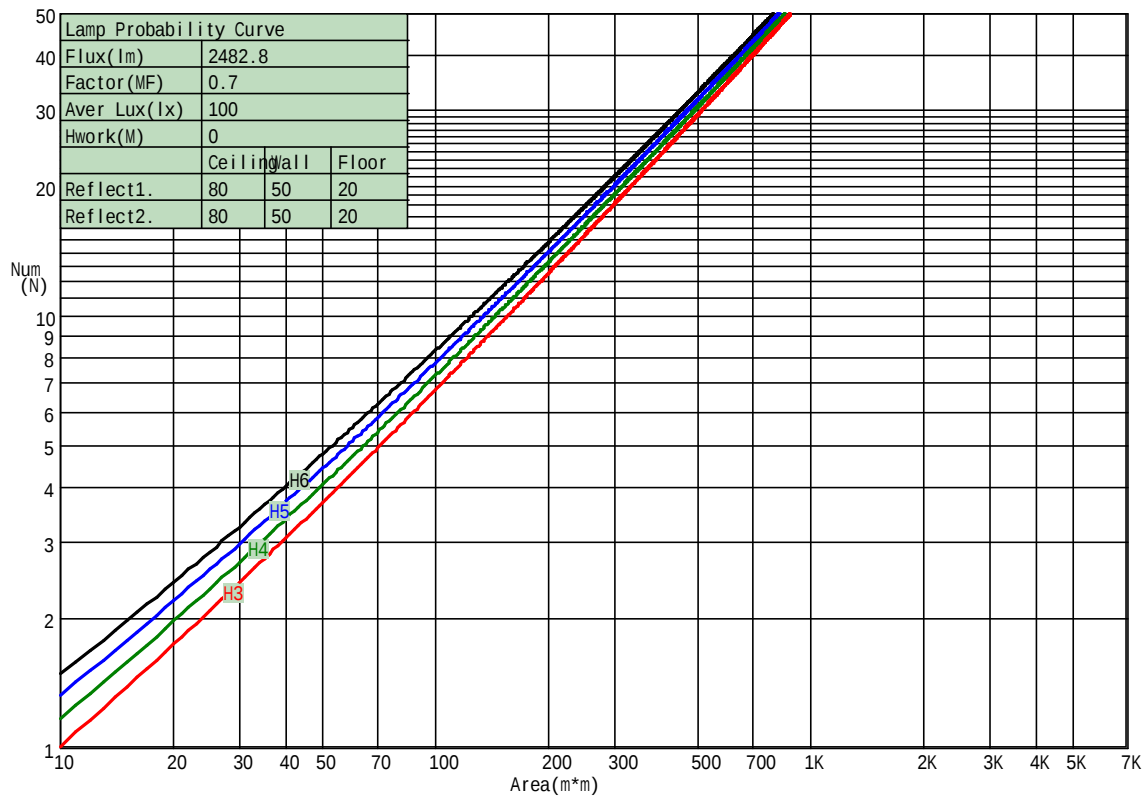
Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

UF Table

Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
Wall	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.60	50	35	25	48	34	25	45	33	24
0.80	55	39	27	53	38	27	49	36	26
1.00	59	42	29	56	40	29	52	38	28
1.25	62	44	31	60	43	30	54	40	29
1.50	65	46	32	62	44	31	55	41	30
2.00	68	49	34	64	47	33	58	43	31
2.50	70	51	35	66	48	33	58	44	31
3.00	71	52	35	67	49	34	59	44	31
4.00	73	53	36	68	50	34	60	45	31
5.00	74	54	36	69	51	35	60	45	31

CoEfficients Utilization

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02
1	1.01	0.95	0.91	0.98	0.94	0.89	0.94	0.9	0.86	0.9	0.87	0.84	0.86	0.84	0.81
2	0.86	0.79	0.72	0.84	0.77	0.71	0.81	0.75	0.69	0.77	0.72	0.68	0.74	0.7	0.66
3	0.75	0.66	0.59	0.73	0.65	0.58	0.7	0.63	0.57	0.68	0.61	0.56	0.65	0.6	0.55
4	0.66	0.57	0.49	0.65	0.56	0.49	0.62	0.54	0.48	0.6	0.53	0.48	0.58	0.52	0.47
5	0.59	0.49	0.42	0.58	0.49	0.42	0.56	0.48	0.41	0.54	0.47	0.41	0.52	0.45	0.4
6	0.53	0.43	0.37	0.52	0.43	0.37	0.5	0.42	0.36	0.48	0.41	0.36	0.47	0.4	0.35
7	0.48	0.39	0.32	0.47	0.38	0.32	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.36	0.31
8	0.44	0.35	0.29	0.43	0.35	0.29	0.42	0.34	0.28	0.4	0.33	0.28	0.39	0.33	0.28
9	0.4	0.32	0.26	0.4	0.31	0.26	0.38	0.31	0.26	0.37	0.3	0.25	0.36	0.3	0.25
10	0.37	0.29	0.23	0.37	0.29	0.23	0.36	0.28	0.23	0.35	0.28	0.23	0.34	0.27	0.23

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Wall Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.37	0.21	0.07	0.37	0.21	0.07	0.35	0.2	0.06	0.34	0.2	0.06	0.33	0.19	0.06
2	0.33	0.18	0.06	0.32	0.18	0.06	0.31	0.17	0.05	0.3	0.17	0.05	0.29	0.16	0.05
3	0.3	0.16	0.05	0.29	0.16	0.05	0.28	0.15	0.05	0.27	0.15	0.05	0.26	0.14	0.04
4	0.27	0.14	0.04	0.26	0.14	0.04	0.25	0.13	0.04	0.25	0.13	0.04	0.24	0.13	0.04
5	0.25	0.12	0.04	0.24	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.22	0.12	0.03
6	0.22	0.11	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03
7	0.21	0.1	0.03	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03
8	0.19	0.09	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
9	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02
10	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02

Ceiling Cavity Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall(%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0.19	0.19	0.19	0.16	0.16	0.16	0.11	0.11	0.11	0.06	0.06	0.06	0.02	0.02	0.02
1	0.18	0.16	0.13	0.16	0.13	0.11	0.11	0.09	0.08	0.06	0.05	0.04	0.02	0.02	0.01
2	0.18	0.13	0.09	0.15	0.11	0.08	0.1	0.08	0.06	0.06	0.05	0.03	0.02	0.01	0.01
3	0.17	0.11	0.07	0.15	0.1	0.06	0.1	0.07	0.04	0.06	0.04	0.03	0.02	0.01	0.01
4	0.16	0.1	0.06	0.14	0.09	0.05	0.1	0.06	0.03	0.06	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.04	0.13	0.08	0.04	0.09	0.06	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.15	0.08	0.04	0.13	0.07	0.03	0.09	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.14	0.08	0.03	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.02	0.08	0.04	0.02	0.05	0.03	0.01	0.01	0.01	0
9	0.13	0.07	0.02	0.11	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.12	0.06	0.02	0.1	0.05	0.02	0.07	0.04	0.01	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	860	852	837	844	862	838	844	819	0-5	20.4	20.4
10	819	817	783	825	807	775	837	783	5-10	58.5	78.9
15	726	729	677	720	715	690	769	697	10-15	90.3	169
20	678	678	642	675	666	669	674	661	15-20	113	282
25	652	651	636	646	639	649	661	623	20-25	138	420
30	687	699	665	681	679	677	675	704	25-30	167	587
35	686	711	596	695	690	700	681	677	30-35	202	789
40	526	515	500	528	507	499	538	495	35-40	197	985
45	491	466	442	473	440	445	480	445	40-45	180	1166
50	490	455	415	435	465	460	457	440	45-50	183	1349
55	474	460	400	419	468	422	453	434	50-55	193	1541
60	428	396	345	379	391	381	404	380	55-60	190	1732
65	385	380	276	366	352	329	374	325	60-65	181	1913
70	319	300	213	309	299	288	316	289	65-70	160	2073
75	280	264	177	267	247	243	263	240	70-75	141	2214
80	225	220	126	225	194	179	217	186	75-80	121	2335
85	142	145	83.7	145	129	123	149	122	80-85	87.3	2422
90	112	100	74.4	100	87.3	95.8	95.5	95.4	85-90	60.4	2483
95									90-95		
100									95-100		
105									100-105		
110									105-110		
115									110-115		
120									115-120		
125									120-125		
130									125-130		
135									130-135		
140									135-140		
145									140-145		
150									145-150		
155									150-155		
160									155-160		
165									160-165		
170									165-170		
175									170-175		
180									175-180		

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

Remark:

Measured Para U: 216.0V I: 199.0mA P: 27.60W PF: 0.640 Test LM: 2482.78lm		
Lamp Name: LPDL-30A-Y	Lamp Type: CLASS II	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

CD Table

Gm\C(Deg)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
5.0	860	856	853	847	840	839	842	846	854	862	851	841	840	843	839	827	824	842
10.0	819	818	817	806	790	792	811	823	815	807	793	779	795	823	825	801	787	803
15.0	726	728	729	712	689	687	706	719	717	715	704	693	716	752	753	721	701	714
20.0	678	678	678	666	650	649	664	674	670	666	667	668	670	673	671	665	663	671
25.0	652	652	651	646	639	638	643	645	642	639	644	648	653	659	653	636	626	639
30.0	687	693	698	688	673	668	676	681	680	679	678	678	677	676	681	695	702	695
35.0	686	697	708	673	621	618	663	694	692	690	694	699	693	685	680	678	678	682
40.0	526	521	516	510	503	506	519	526	516	507	503	500	512	530	529	509	499	513
45.0	491	480	469	458	448	449	463	469	454	440	442	444	456	472	472	456	450	471
50.0	490	475	459	442	424	420	429	439	452	465	463	461	459	457	453	446	446	468
55.0	474	468	462	441	413	404	413	424	446	468	448	427	432	446	449	441	439	456
60.0	428	414	399	379	356	352	368	380	385	391	386	382	388	399	399	388	385	407
65.0	385	383	380	346	299	296	336	364	358	352	342	331	344	364	363	341	332	359
70.0	319	311	302	271	232	234	278	308	303	299	294	289	297	310	310	297	292	306
75.0	280	273	266	236	196	197	237	265	255	247	245	243	250	259	258	247	244	262
80.0	225	223	220	189	147	148	193	222	207	194	188	181	192	209	210	196	190	208
85.0	142	143	144	125	97	97.2	125	144	136	129	127	124	132	144	143	131	125	134
90.0	112	107	101	91.7	80	80	91.8	98.9	93	87.3	91	94.9	95.7	95.6	95.5	95.5	97.2	105
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
135.0																		
140.0																		
145.0																		
150.0																		
155.0																		
160.0																		
165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-11-2

Remark: