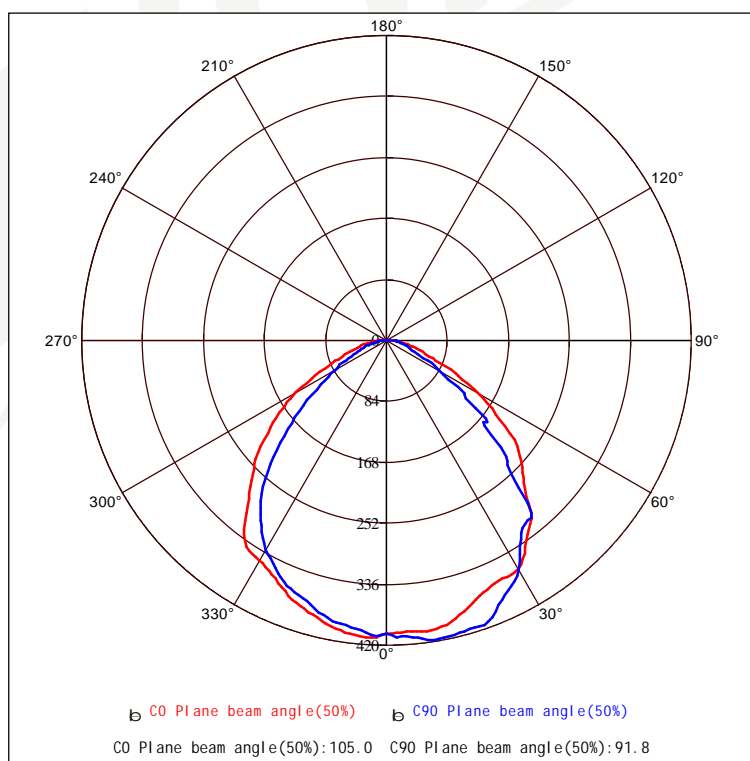


LED FLOOD LIGHT

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm						
Lamp Name: LPFL-10W			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPFL-10W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-10W		Peak Value(cd)	418.1	Effi ciency(lm/w)	96.6
Nominal P(w)		1.0	Position	90.0, 9.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	985.561	Down(C0-C180)	53.1
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)	46.9

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

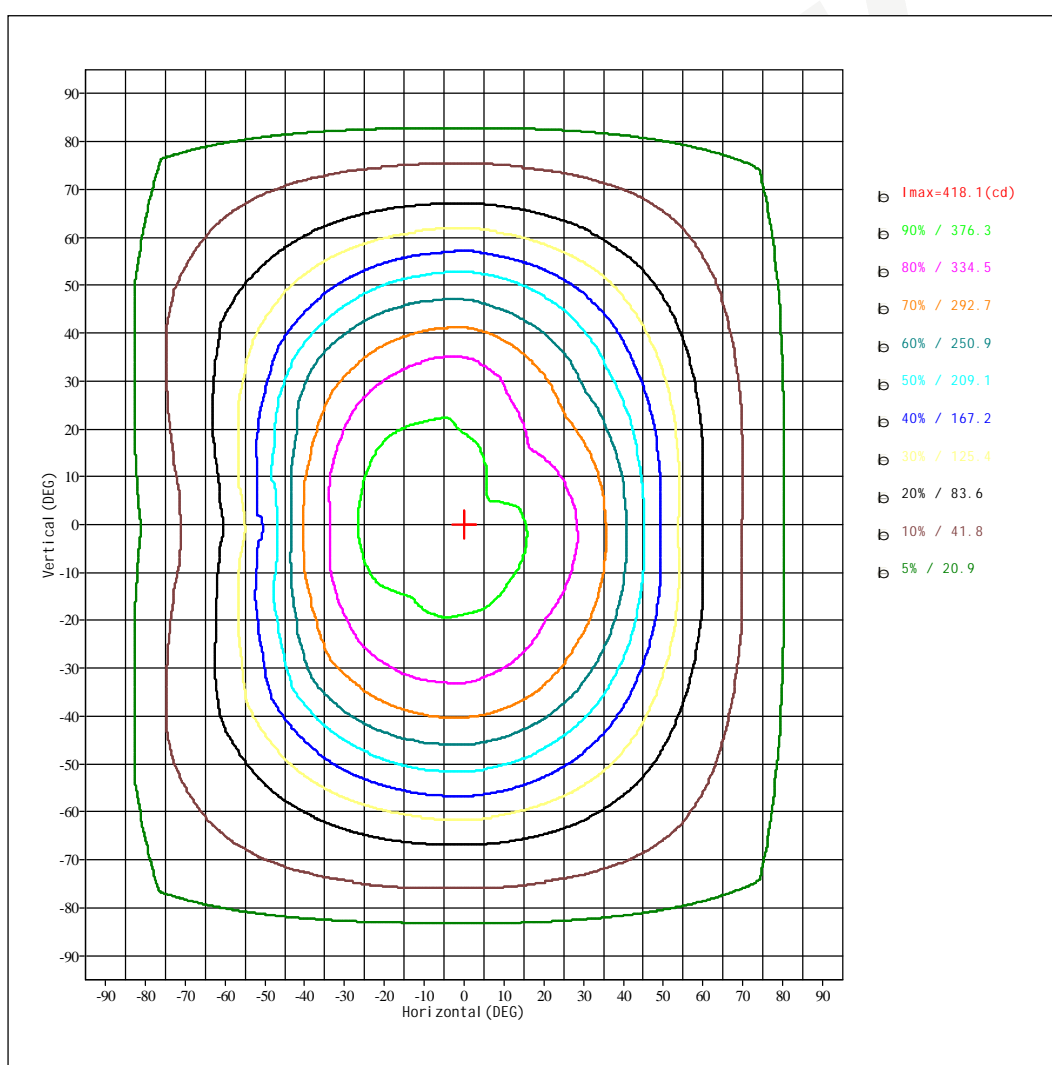
Humidity(%): 60

Date: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.561m		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
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

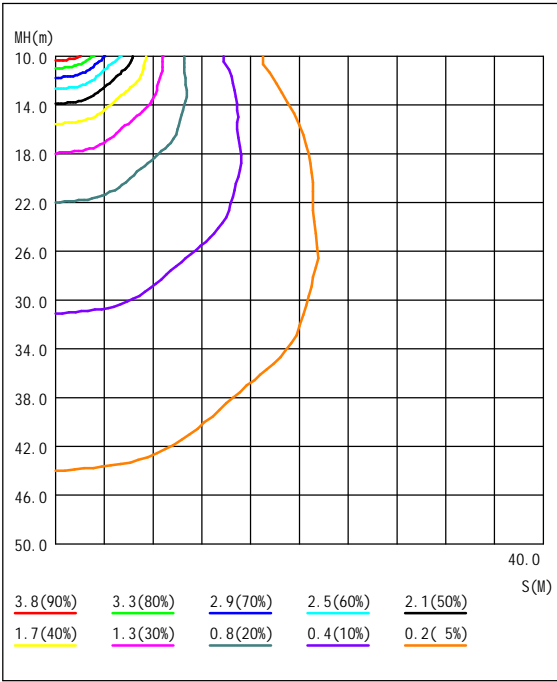
Humidity(%): 60

Date: 2019-11-12

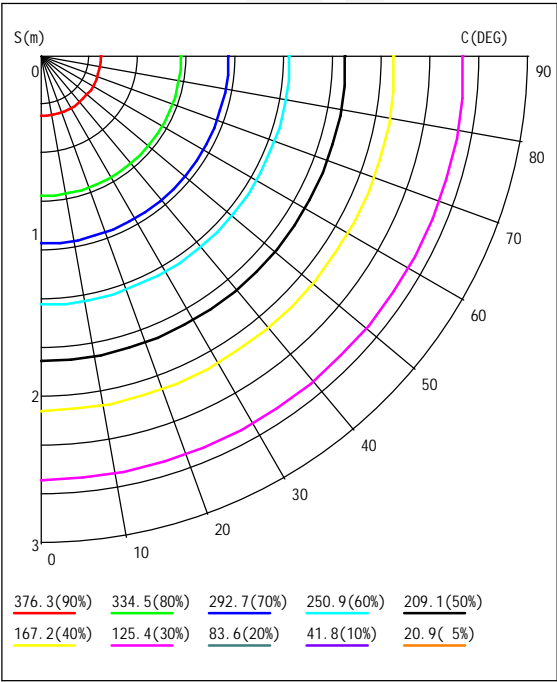
Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



PI anar ISOLUX 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

Humidi ty(%): 60

Date: 2019-11-12

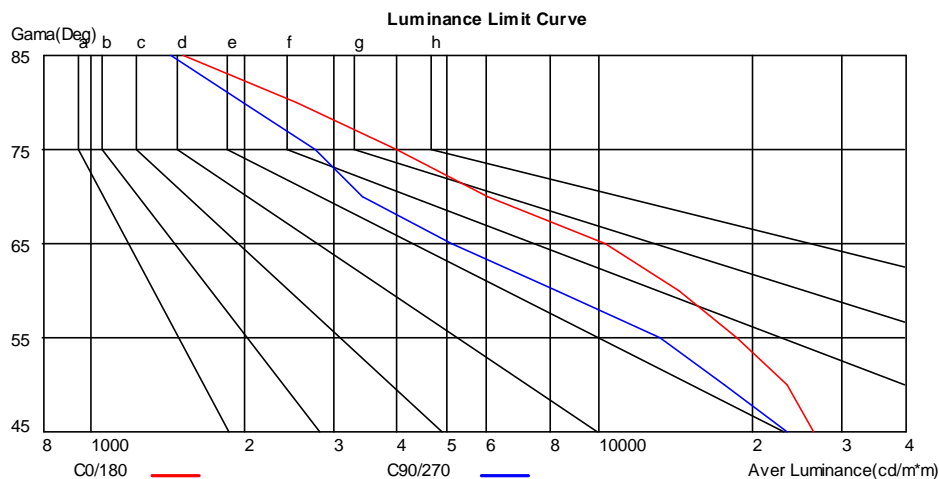
Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	26413.5	23530.4	18639.4	14382.7	10291.9	6024.2	3984.3	2537.2	1518.5
C90	23417.9	17597.7	13206.5	8236.5	5105.0	3425.5	2757.7	1985.4	1438.1

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: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

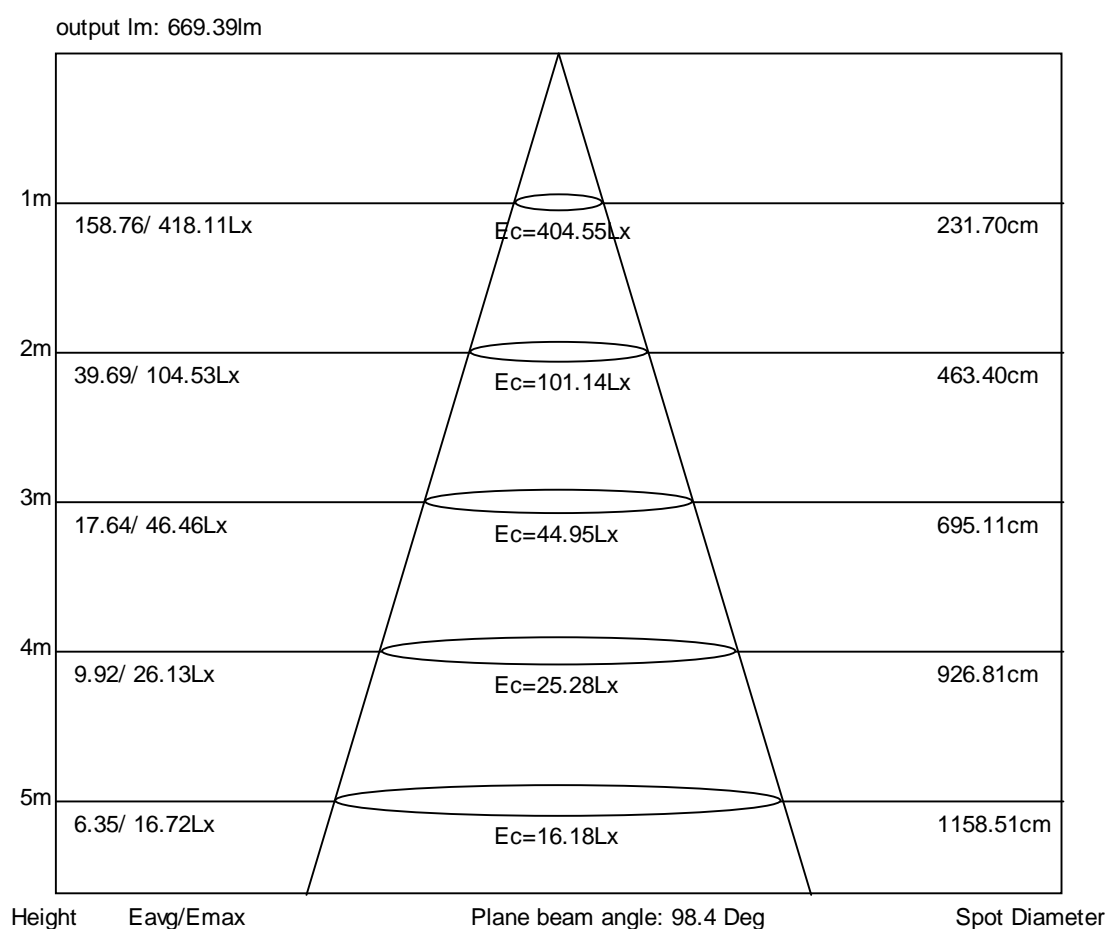
Humidity(%): 60

Date: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
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

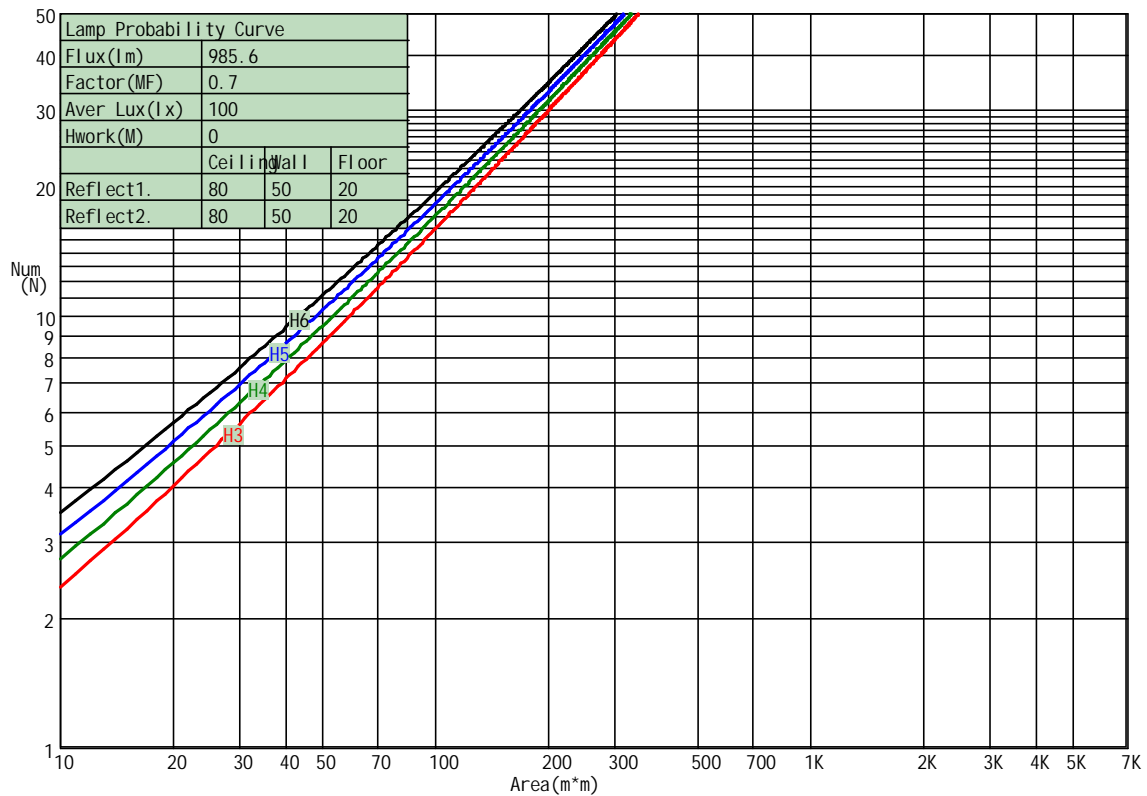
Humidity(%): 60

Date: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
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: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
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	55	41	32	54	40	32	51	39	31
0.80	59	43	33	57	42	32	53	40	31
1.00	62	45	34	59	44	33	55	41	32
1.25	64	47	34	61	45	33	56	42	31
1.50	66	47	34	62	46	33	56	42	31
2.00	68	49	34	64	47	33	57	43	31
2.50	69	50	33	65	47	32	58	42	30
3.00	70	50	33	66	48	32	58	42	29
4.00	71	51	33	67	48	32	58	43	29
5.00	72	52	33	67	48	32	58	43	28

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	1.05	1.02	0.98	1.03	1	0.96	0.99	0.96	0.93	0.95	0.93	0.91	0.92	0.9	0.88
2	0.93	0.87	0.82	0.91	0.86	0.81	0.88	0.83	0.79	0.85	0.81	0.77	0.82	0.78	0.75
3	0.83	0.75	0.69	0.81	0.74	0.69	0.78	0.72	0.67	0.76	0.71	0.66	0.73	0.69	0.65
4	0.74	0.66	0.59	0.73	0.65	0.59	0.7	0.64	0.58	0.68	0.62	0.58	0.66	0.61	0.57
5	0.67	0.58	0.52	0.65	0.57	0.52	0.63	0.56	0.51	0.61	0.55	0.5	0.6	0.54	0.5
6	0.6	0.52	0.46	0.59	0.51	0.45	0.58	0.5	0.45	0.56	0.5	0.45	0.54	0.49	0.44
7	0.55	0.46	0.41	0.54	0.46	0.4	0.52	0.45	0.4	0.51	0.45	0.4	0.5	0.44	0.4
8	0.5	0.42	0.36	0.49	0.42	0.36	0.48	0.41	0.36	0.47	0.41	0.36	0.46	0.4	0.36
9	0.46	0.38	0.33	0.46	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.32	0.42	0.37	0.32
10	0.43	0.35	0.3	0.42	0.35	0.3	0.41	0.34	0.3	0.4	0.34	0.3	0.39	0.34	0.29

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: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	Shape Si ze:
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	0.28	0.16	0.05	0.27	0.16	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04
2	0.27	0.15	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04
3	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.21	0.12	0.04
4	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03
6	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03
7	0.19	0.09	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
9	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02
10	0.16	0.08	0.02	0.16	0.07	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	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	0.14	0.15	0.13	0.12	0.1	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02
2	0.17	0.13	0.1	0.14	0.11	0.09	0.1	0.08	0.06	0.06	0.05	0.04	0.02	0.01	0.01
3	0.16	0.11	0.08	0.14	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.15	0.1	0.06	0.13	0.09	0.05	0.09	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.05	0.12	0.08	0.04	0.09	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.14	0.08	0.04	0.12	0.07	0.04	0.08	0.05	0.03	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.01	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.11	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: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	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	403	407	411	397	410	407	400	375	0-5	9.62	9.62
10	402	407	418	392	402	398	395	365	5-10	28.6	38.2
15	391	403	414	385	391	381	380	353	10-15	46.5	84.8
20	373	395	411	378	378	364	368	341	15-20	63	148
25	366	384	384	369	361	346	352	325	20-25	77.2	225
30	362	367	361	357	350	332	329	311	25-30	89.6	315
35	334	340	321	337	337	304	299	284	30-35	98.1	413
40	305	308	306	309	293	272	259	251	35-40	102	514
45	264	271	234	278	258	233	208	219	40-45	98	612
50	235	254	176	230	221	187	160	186	45-50	91.2	703
55	186	183	132	188	183	143	112	143	50-55	79.2	783
60	144	138	82.4	147	139	101	79.7	104	55-60	63.3	846
65	103	105	51	105	97.3	69.6	55.5	72.3	60-65	48.1	894
70	60.2	74.7	34.3	72.5	62.6	46.8	37.6	49.1	65-70	33.9	928
75	39.8	52.3	27.6	52.4	43	29.6	24.8	31	70-75	23.9	952
80	25.4	35.2	19.9	37.1	27.3	16.9	15.2	17.5	75-80	16.4	968
85	15.2	23.2	14.4	24.4	15.4	8.71	8.62	8.32	80-85	10.5	979
90	11	14.3	12.7	14.8	8.53	8.35	8.01	8.18	85-90	6.78	986
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: 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: 2019-11-12

Remark:

Measured Para U: 216.2V I: 74.0mA P: 10.20W PF: 0.637 Test LM: 985.56lm		
Lamp Name: LPFL-10W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-10W	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	403	405	406	408	410	408	401	398	404	410	409	408	405	402	395	383	378	391
10.0	402	404	407	411	416	412	401	393	398	402	400	398	397	396	388	375	369	386
15.0	391	396	402	407	412	408	395	386	388	391	387	382	381	380	374	362	357	374
20.0	373	383	393	400	408	404	389	378	378	378	372	366	365	367	362	350	345	359
25.0	366	374	382	384	384	381	374	369	365	361	354	348	348	351	346	334	330	348
30.0	362	364	367	365	362	360	358	356	353	350	342	334	331	330	325	317	317	340
35.0	334	337	339	334	325	325	332	337	337	337	323	308	303	300	296	289	290	312
40.0	305	306	308	307	307	307	308	307	300	293	284	274	268	262	257	254	257	282
45.0	264	267	271	259	242	244	264	276	267	258	247	236	225	214	210	215	224	244
50.0	235	243	252	228	193	188	212	229	225	221	206	190	178	166	166	177	191	214
55.0	186	185	183	166	143	144	170	188	185	183	165	147	133	119	119	133	148	168
60.0	144	141	139	120	94.6	96.5	126	146	142	139	122	105	93.9	84.3	85	95.9	108	126
65.0	103	104	105	87.1	62.8	62.8	87.2	104	101	97.3	85.2	72.7	65	58.6	59.2	66.8	75.6	89.5
70.0	60.2	66.5	73.1	61.4	43.1	42.6	60	71.4	66.9	62.6	55.7	48.5	43.8	39.6	40.1	45.3	50.3	55.4
75.0	39.8	45.3	51	44.2	33	33	44.2	51.4	47.1	43	37.1	31	28	25.9	26.2	29	32	36
80.0	25.4	29.7	34.1	30.2	23.2	23.6	31.4	36	31.6	27.3	22.7	18.1	16.4	15.6	15.7	16.7	18.3	21.9
85.0	15.2	18.7	22.4	20.3	16.3	16.6	21.1	23.4	19.4	15.4	12.5	9.44	8.68	8.64	8.56	8.42	9.07	12.2
90.0	11	12.4	14	13.8	13	13.1	14.1	14.1	11.3	8.53	8.45	8.37	8.24	8.09	8.05	8.13	8.49	9.75
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: 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: 2019-11-12

Remark: