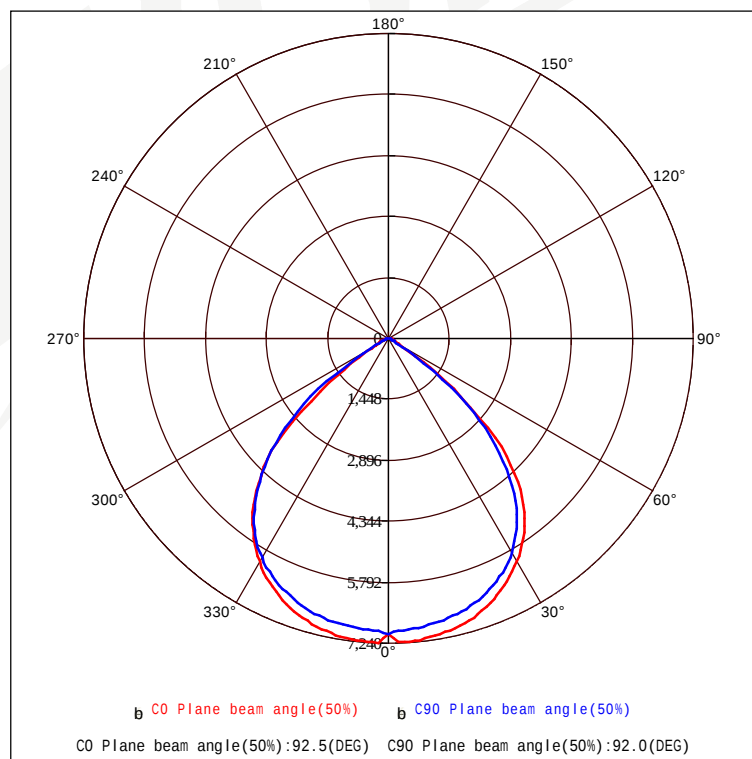


Goniophotometer Test Report

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-100BW01			Lamp Spec: LPFL-100BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-100BW01		Peak Value(cd)	7241.3	Efficiency(lm/w)	125.4
Nominal P(w)		100.0	Position	180.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	13150.100	Down(C0-C180)	49.8
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)	50.2

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

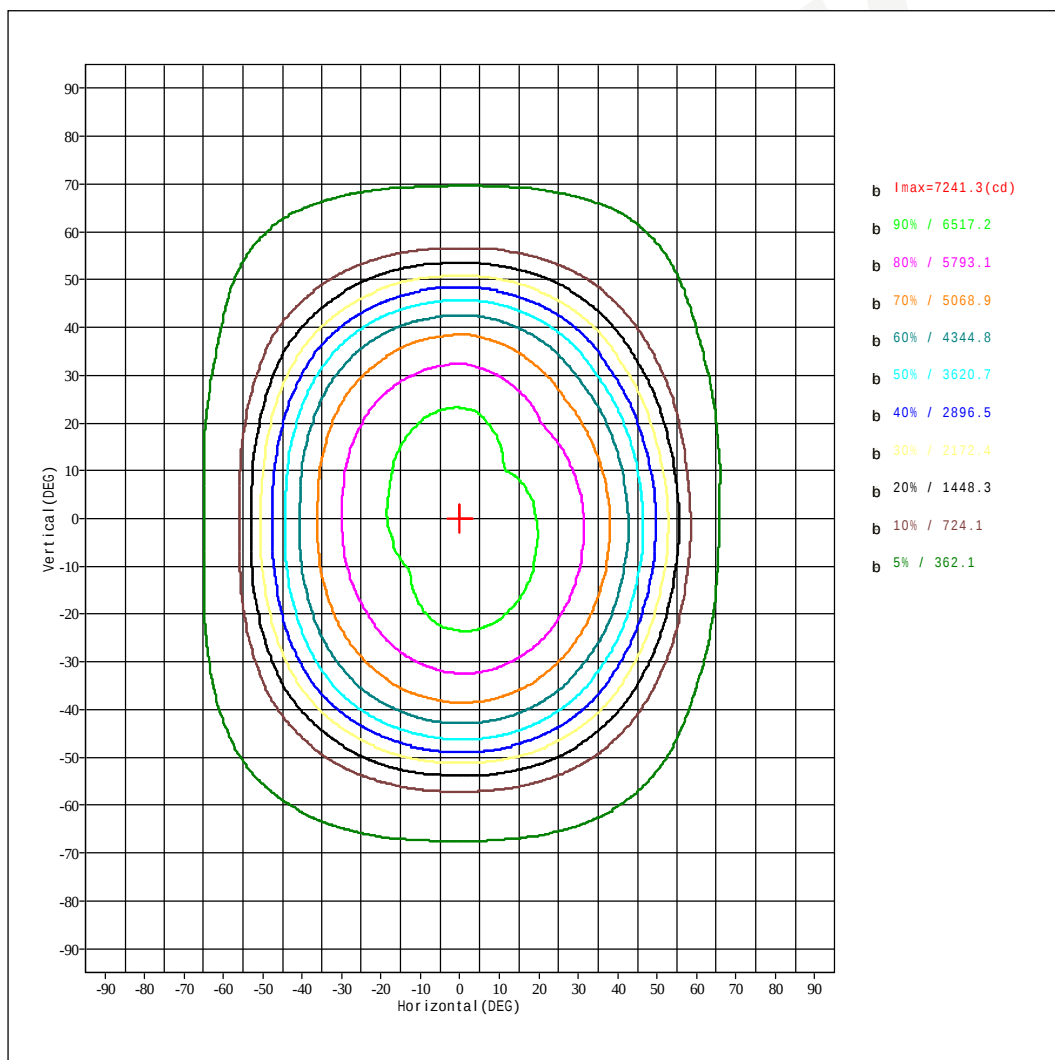
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

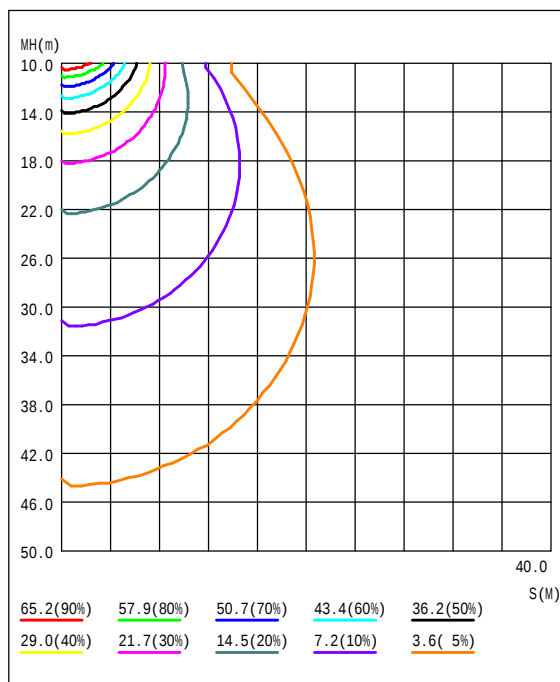
Humidity(%): 60

Date: 2026-4-3

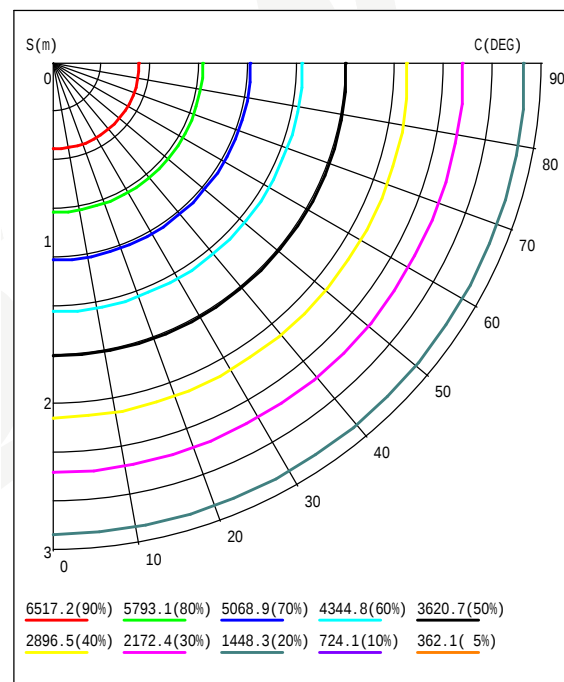
Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spatial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

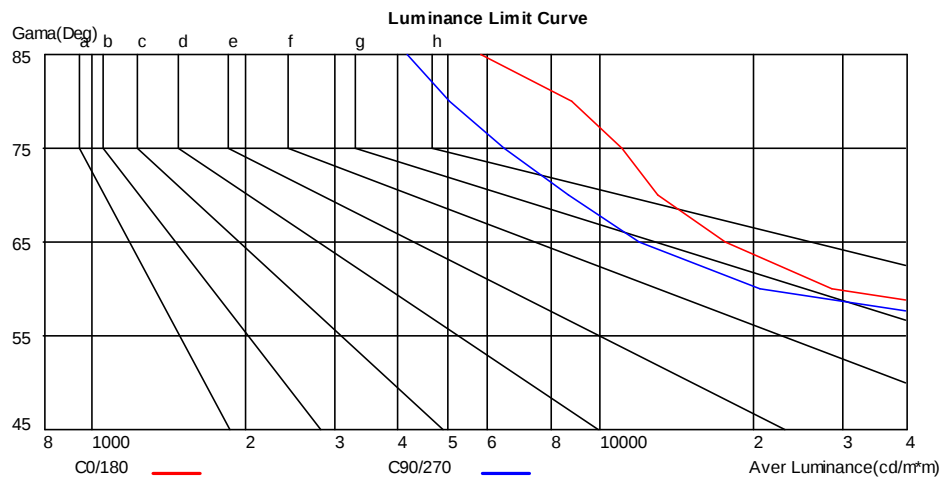
Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m ² m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	384297.7	239632.5	112317.3	28604.7	17647.4	12979.6	11044.1	8798.4	5836.9
C90	347158.1	230441.6	89290.3	20676.5	11939.3	8651.9	6471.4	5046.5	4167.9

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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

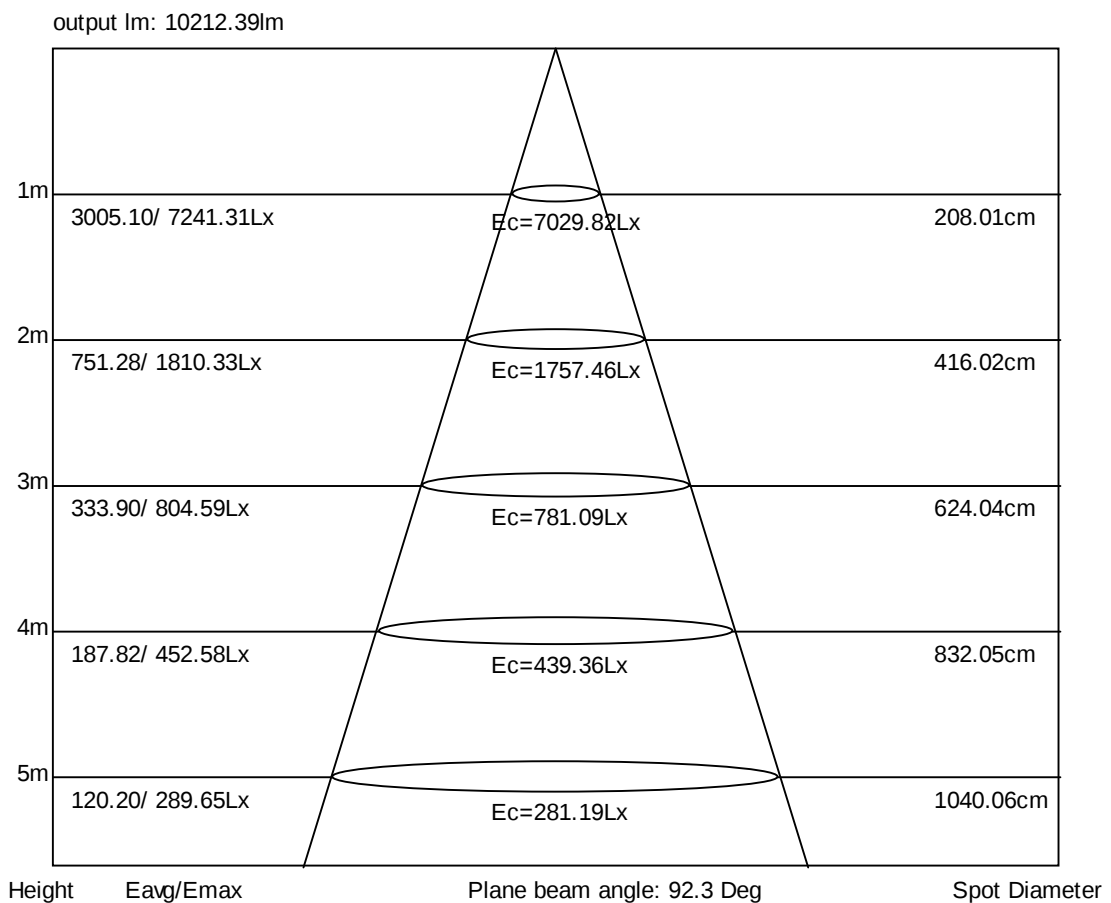
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

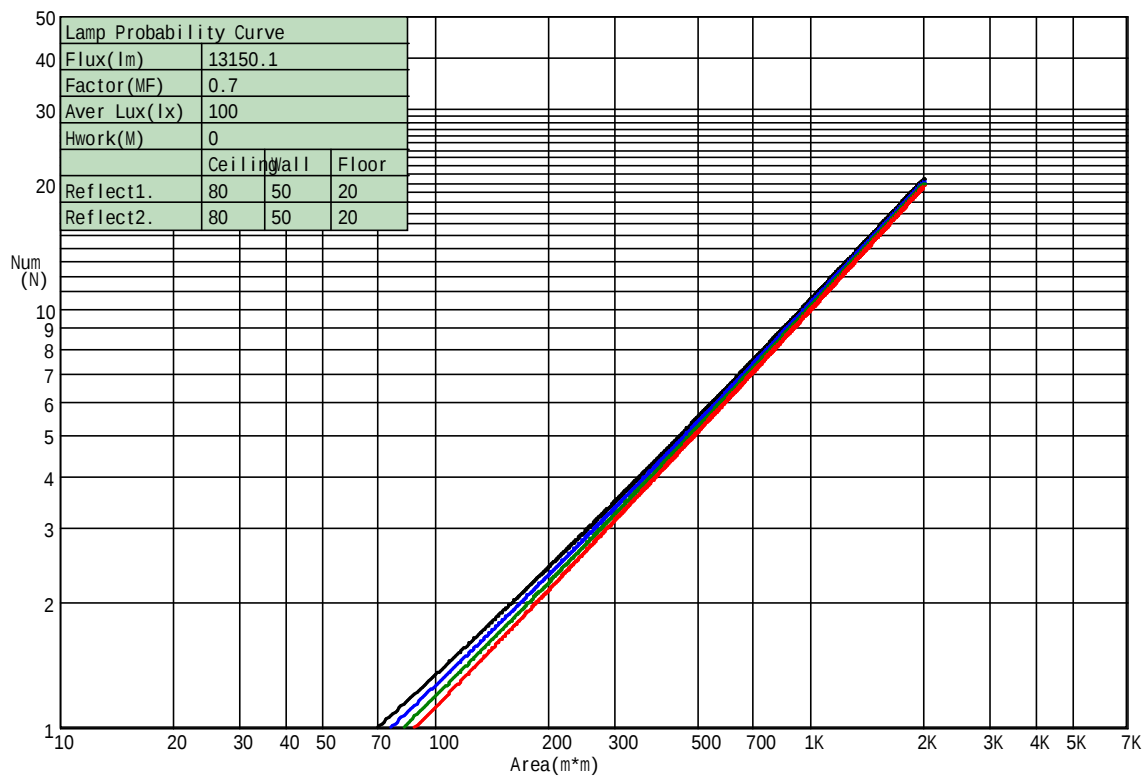
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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	61	48	40	60	48	40	57	47	40
0.80	62	47	37	60	46	36	56	44	35
1.00	63	47	35	60	45	34	56	43	33
1.25	64	46	33	61	44	32	55	42	31
1.50	65	46	32	61	44	31	55	41	29
2.00	67	47	32	63	45	31	56	41	29
2.50	68	48	32	64	45	30	56	41	28
3.00	69	49	32	65	46	30	57	41	28
4.00	71	50	33	66	48	31	58	42	28
5.00	72	52	34	67	49	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	1.08	1.05	1.03	1.06	1.04	1.01	1.02	1	0.98	0.98	0.97	0.95	0.95	0.93	0.92
2	0.98	0.93	0.89	0.97	0.92	0.88	0.93	0.89	0.86	0.9	0.87	0.84	0.87	0.85	0.82
3	0.89	0.83	0.78	0.88	0.82	0.77	0.85	0.8	0.76	0.82	0.78	0.75	0.8	0.77	0.74
4	0.81	0.74	0.69	0.8	0.73	0.68	0.78	0.72	0.67	0.75	0.71	0.67	0.73	0.69	0.66
5	0.74	0.67	0.61	0.73	0.66	0.61	0.71	0.65	0.6	0.69	0.64	0.6	0.67	0.63	0.59
6	0.68	0.6	0.55	0.67	0.6	0.55	0.65	0.59	0.54	0.64	0.58	0.54	0.62	0.57	0.53
7	0.62	0.55	0.49	0.61	0.54	0.49	0.6	0.53	0.49	0.59	0.53	0.49	0.57	0.52	0.48
8	0.57	0.5	0.45	0.56	0.49	0.45	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44
9	0.53	0.46	0.41	0.52	0.45	0.41	0.51	0.45	0.4	0.5	0.44	0.4	0.49	0.44	0.4
10	0.49	0.42	0.37	0.48	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.41	0.37

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04	0.19	0.11	0.04	0.18	0.1	0.03
2	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03
3	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.1	0.03
4	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03
5	0.19	0.1	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
6	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02	0.16	0.08	0.02
7	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02
8	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.14	0.07	0.02
9	0.15	0.07	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02
10	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	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	0.17	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	0.16	0.13	0.11	0.14	0.11	0.09	0.1	0.08	0.06	0.05	0.05	0.04	0.02	0.01	0.01
3	0.15	0.11	0.08	0.13	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.14	0.1	0.07	0.12	0.09	0.06	0.08	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.14	0.09	0.05	0.12	0.08	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.13	0.08	0.04	0.11	0.07	0.04	0.08	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.11	0.06	0.03	0.07	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.12	0.07	0.03	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.11	0.06	0.03	0.1	0.05	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	0.09	0.05	0.02	0.06	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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	7219	7045	6904	6827	7207	7058	6934	6816	0-5	168	168
10	7128	6956	6830	6749	7147	6982	6864	6728	5-10	498	666
15	6974	6812	6703	6640	7005	6851	6755	6585	10-15	814	1480
20	6760	6621	6503	6473	6780	6672	6579	6373	15-20	1104	2583
25	6448	6365	6216	6207	6474	6409	6316	6076	20-25	1354	3937
30	6071	5982	5811	5850	6079	6016	5967	5689	25-30	1551	5488
35	5562	5454	5250	5348	5547	5494	5488	5165	30-35	1673	7161
40	4858	4771	4483	4700	4877	4797	4828	4507	35-40	1695	8856
45	3843	3810	3472	3816	3958	3835	3961	3538	40-45	1580	10436
50	2396	2563	2304	2617	2515	2598	2887	2272	45-50	1280	11716
55	1123	1284	893	1310	1208	1260	1642	1088	50-55	802	12518
60	286	362	207	369	366	332	397	300	55-60	323	12841
65	176	175	119	168	227	156	135	154	60-65	107	12948
70	130	126	86.5	126	144	101	86	112	65-70	69.1	13017
75	110	77.7	64.7	81.8	96.7	55.8	65.4	74.2	70-75	49.8	13067
80	88	59.1	50.5	61.7	63.9	41.3	50.5	51.5	75-80	36	13103
85	58.4	49.8	41.7	49.2	37	31.8	36.6	36.5	80-85	27.6	13131
90	39.8	39.5	39.7	39.5	25.3	24.5	23.8	24.6	85-90	19.4	13150
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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.9V I: 460.0mA P: 104.90W PF: 0.978 Test LM: 13150.10lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100BW01	Lamp Spec: LPFL-100BW01	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	7219	7143	7064	6999	6935	6887	6852	6868	7040	7207	7142	7075	7018	6961	6908	6854	6860	7043
10.0	7128	7053	6975	6915	6858	6812	6776	6793	6973	7147	7075	7000	6944	6890	6835	6773	6772	6953
15.0	6974	6904	6830	6776	6727	6689	6661	6680	6846	7005	6938	6868	6819	6776	6718	6641	6627	6804
20.0	6760	6699	6636	6582	6529	6497	6483	6507	6646	6780	6733	6684	6642	6599	6534	6441	6415	6591
25.0	6448	6412	6374	6316	6249	6214	6210	6237	6357	6474	6446	6417	6379	6337	6263	6154	6116	6285
30.0	6071	6032	5992	5926	5848	5819	5837	5875	5979	6079	6052	6023	6000	5978	5906	5780	5731	5904
35.0	5562	5515	5466	5387	5294	5271	5316	5370	5460	5547	5524	5500	5492	5489	5417	5271	5208	5388
40.0	4858	4820	4780	4676	4546	4530	4629	4719	4800	4877	4842	4806	4807	4821	4757	4612	4545	4704
45.0	3843	3829	3814	3699	3546	3547	3703	3832	3896	3958	3904	3848	3876	3933	3868	3676	3571	3709
50.0	2396	2469	2545	2478	2361	2373	2515	2606	2560	2515	2551	2589	2693	2824	2753	2474	2286	2342
55.0	1123	1193	1266	1155	978	984	1173	1299	1253	1208	1231	1254	1385	1558	1521	1270	1092	1108
60.0	286	319	354	311	241	242	316	369	367	366	351	336	353	383	376	332	298	292
65.0	176	176	175	157	132	130	152	174	201	227	196	164	149	140	139	148	156	167
70.0	130	128	126	113	95.1	95.1	113	128	136	144	126	106	96.2	89.3	91.6	103	114	122
75.0	110	96.1	81.3	73.4	67.6	68.5	76.2	83.4	90.2	96.7	78.8	60.2	58.9	63.3	67.3	71.3	78.2	94.6
80.0	88	75.3	62.2	56.2	52.3	52.9	58	61.9	63	63.9	54	43.8	44.3	48.5	50.7	51.2	55.5	72
85.0	58.4	54.6	50.7	47.1	43.5	43.3	46.7	47.8	42.3	37	34.8	32.4	33.4	35.6	36.6	36.6	38.9	48.8
90.0	39.8	39.7	39.6	39.6	39.7	39.7	39.6	38	31.5	25.3	25	24.6	24.3	24	24	24.3	26.3	33.2
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): 30

Tester: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-3

Remark: