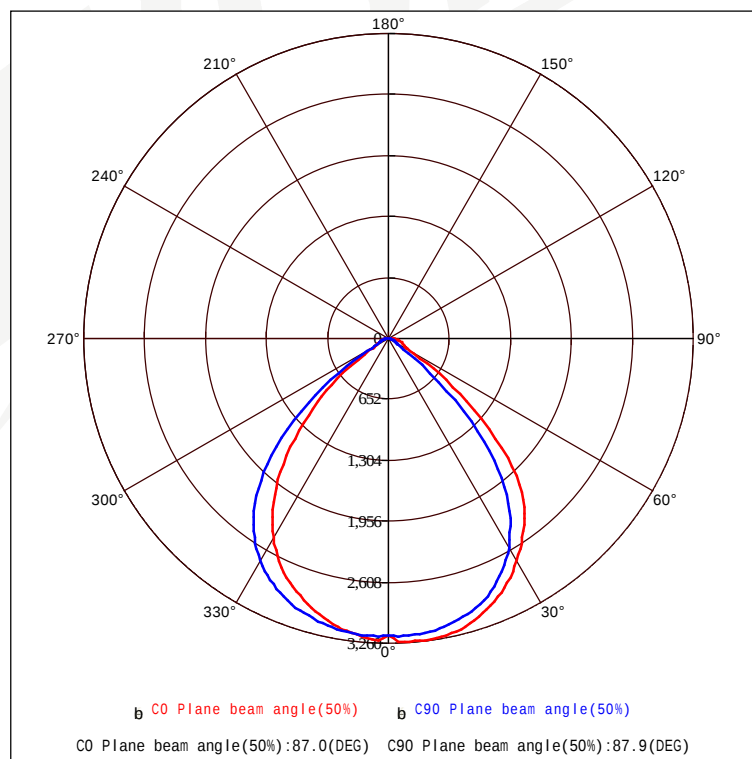


Goniophotometer Test Report

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-50BW01			Lamp Spec: LPFL-50BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-50BW01		Peak Value(cd)	3252.6	Efficiency(lm/w)	121.5
Nominal P(w)		50.0	Position	0.0,7.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	5744.987	Down(C0-C180)	43.5
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)	56.5

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

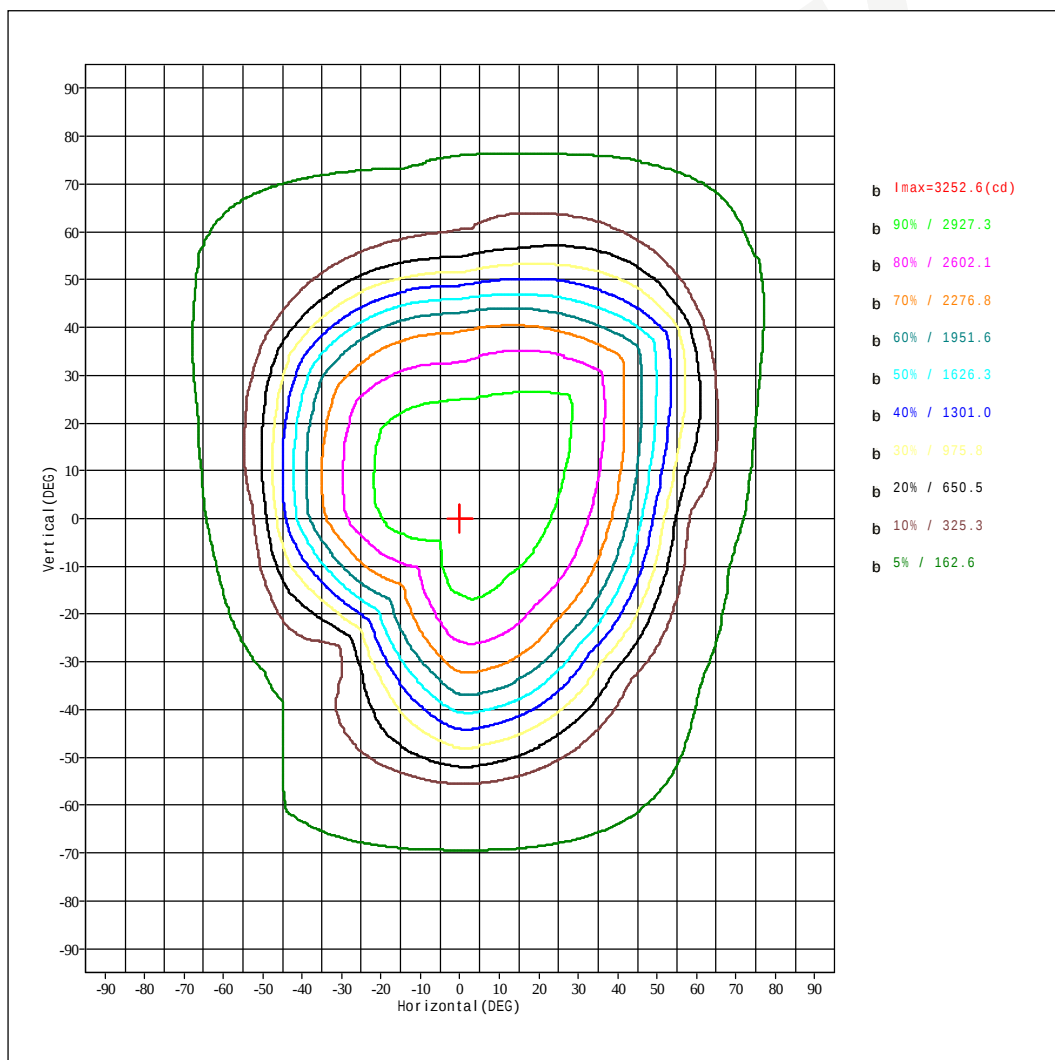
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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

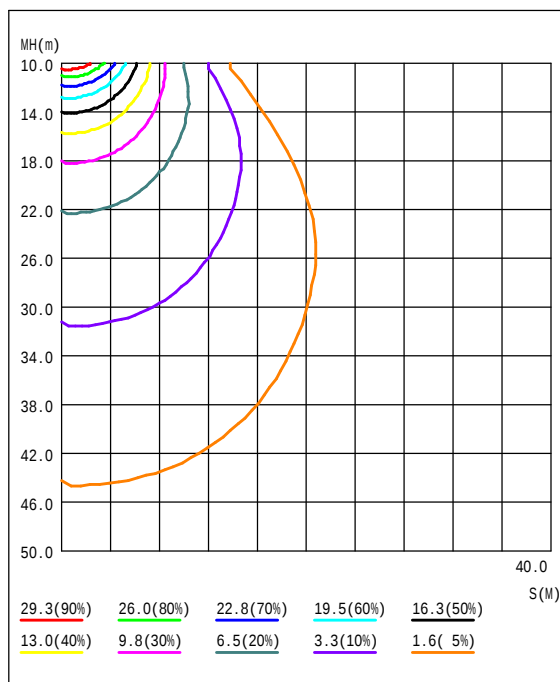
Humidity(%): 60

Date: 2026-4-3

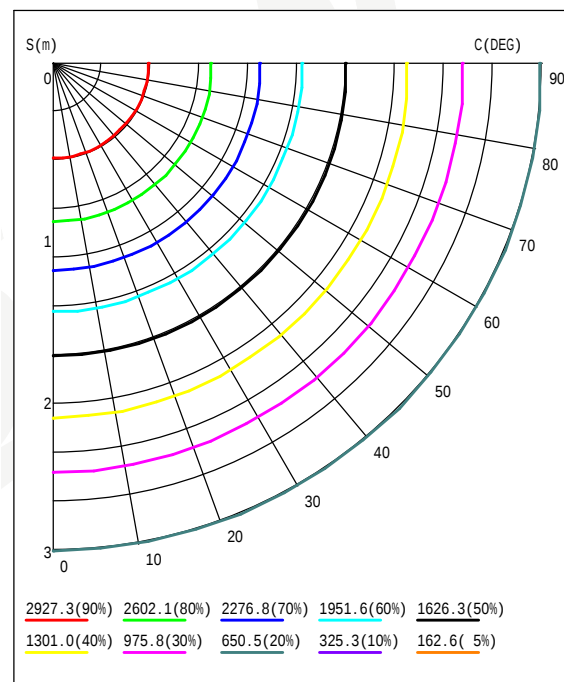
Remark:

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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

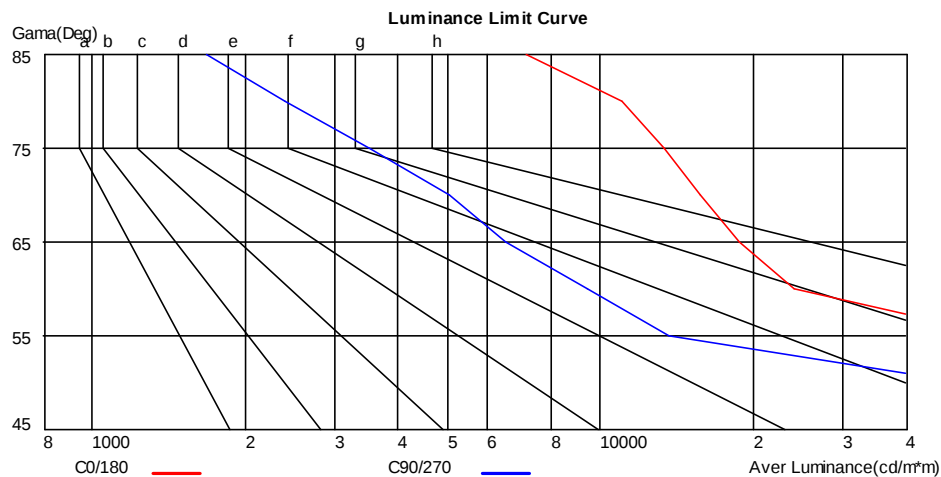
Remark:

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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	175246.5	113686.9	62271.2	24206.0	18806.2	15737.8	13381.9	11035.8	7131.0
C90	119072.0	51510.3	13687.2	9430.5	6530.7	5036.2	3501.5	2388.8	1675.3

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

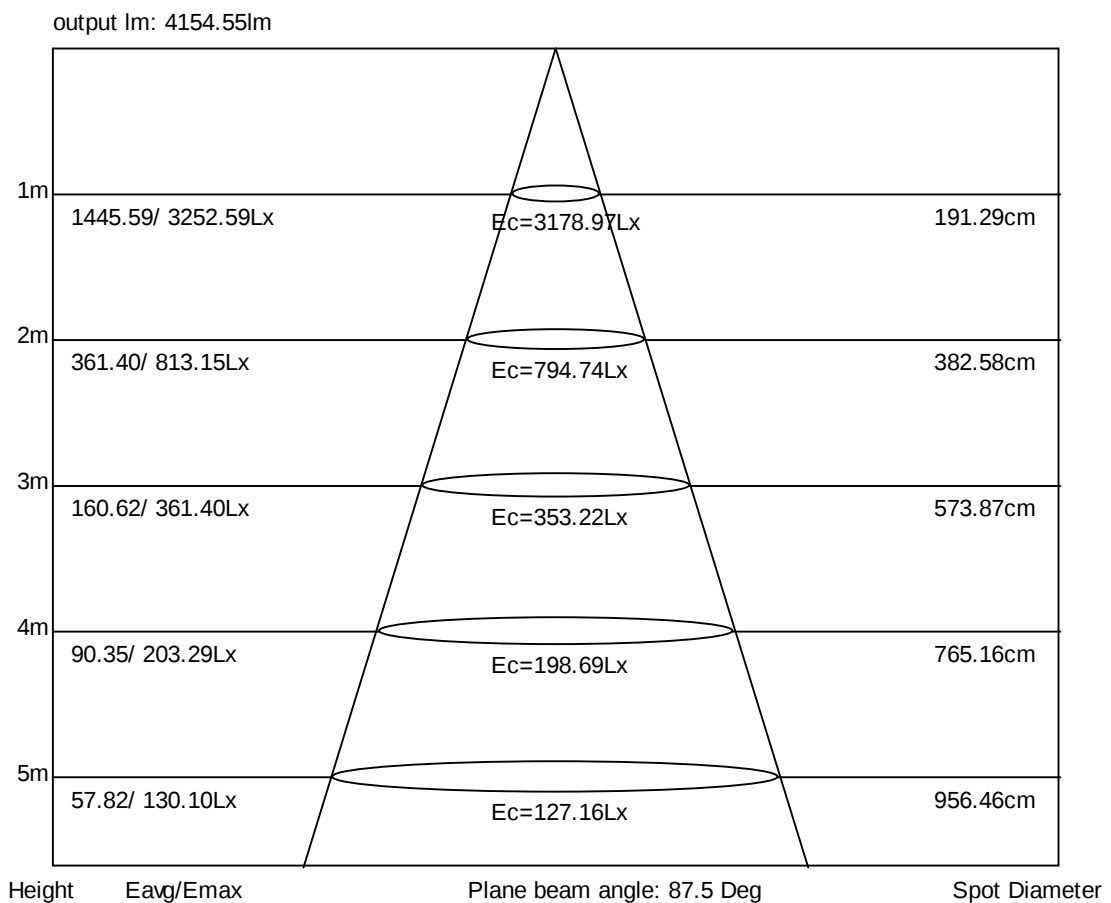
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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

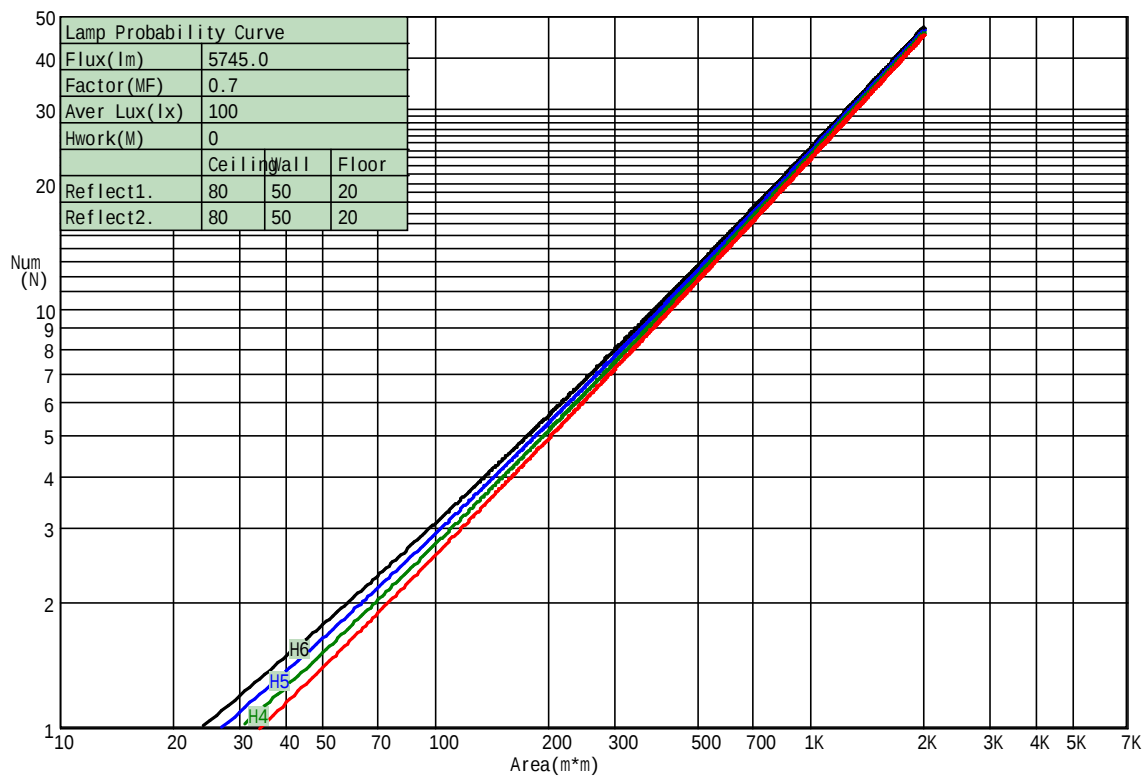
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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	62	49	41	61	49	41	58	47	41
0.80	63	48	38	61	47	37	57	45	37
1.00	64	48	36	61	46	36	57	44	35
1.25	65	47	34	62	46	34	56	43	32
1.50	66	47	34	62	46	33	56	42	31
2.00	68	49	34	64	46	32	57	42	30
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	66	47	32	58	42	29
4.00	71	51	34	67	49	32	58	43	29
5.00	73	53	35	68	49	33	59	44	30

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	1.02	1.06	1.03	1	1.02	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.91
2	0.98	0.92	0.88	0.96	0.91	0.87	0.92	0.88	0.85	0.89	0.86	0.83	0.86	0.84	0.81
3	0.88	0.82	0.77	0.87	0.81	0.76	0.84	0.79	0.75	0.81	0.77	0.74	0.79	0.75	0.72
4	0.8	0.73	0.68	0.79	0.72	0.67	0.77	0.71	0.66	0.74	0.69	0.65	0.72	0.68	0.65
5	0.73	0.66	0.6	0.72	0.65	0.6	0.7	0.64	0.59	0.68	0.63	0.59	0.66	0.62	0.58
6	0.67	0.59	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.63	0.57	0.53	0.61	0.56	0.52
7	0.61	0.54	0.48	0.61	0.53	0.48	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.51	0.47
8	0.57	0.49	0.44	0.56	0.49	0.44	0.55	0.48	0.44	0.54	0.48	0.43	0.52	0.47	0.43
9	0.52	0.45	0.4	0.52	0.45	0.4	0.51	0.44	0.4	0.5	0.44	0.4	0.49	0.43	0.4
10	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.41	0.36	0.46	0.4	0.36

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: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04	0.19	0.11	0.04
2	0.22	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.04	0.2	0.11	0.03	0.19	0.11	0.03
3	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03
4	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03
5	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
6	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03	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	0.16	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	0.08	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	0.14	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	0.06	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	0.15	0.1	0.07	0.12	0.09	0.06	0.09	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	0.05	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	0.07	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: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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	3252	3222	3180	2967	3192	3166	3183	3145	0-5	75.8	75.8
10	3239	3219	3145	2810	3121	3094	3150	3181	5-10	225	301
15	3183	3188	3079	2584	3010	2993	3096	3195	10-15	366	666
20	3074	3122	2968	2281	2864	2846	3014	3187	15-20	491	1157
25	2922	3014	2794	1900	2681	2657	2891	3155	20-25	595	1753
30	2722	2853	2548	1392	2438	2390	2721	3102	25-30	668	2420
35	2493	2630	2218	795	2103	2024	2485	3015	30-35	699	3119
40	2211	2329	1783	253	1706	1530	2154	2878	35-40	681	3801
45	1752	1921	1191	117	1234	990	1717	2674	40-45	612	4412
50	1137	1343	515	87.7	827	527	1157	2374	45-50	493	4906
55	623	716	137	68.3	344	177	591	1981	50-55	338	5244
60	242	236	94.3	51.3	160	117	177	1488	55-60	201	5444
65	188	121	65.3	34.5	111	86.9	103	847	60-65	123	5568
70	157	94	50.4	22	90.9	52.4	78.2	247	65-70	71.4	5639
75	134	68	35	17.9	68.1	35.3	55.8	99.5	70-75	40.5	5680
80	110	46.3	23.9	19.2	50	24.9	35.1	73	75-80	29.5	5709
85	71.3	34.7	16.8	20.5	28.4	11.9	22.2	54.2	80-85	22.1	5731
90	23.3	20.5	17	21.6	11.1	10.6	11.9	42	85-90	13.7	5745
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: 232.7V I: 379.0mA P: 47.30W PF: 0.536 Test LM: 5744.99lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-50BW01	Lamp Spec: LPFL-50BW01	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	3252	3239	3225	3208	3189	3133	3037	2992	3094	3192	3181	3169	3171	3179	3174	3157	3156	3205
10.0	3239	3230	3221	3195	3161	3072	2920	2844	2985	3121	3109	3097	3112	3138	3157	3171	3187	3214
15.0	3183	3185	3187	3152	3103	2971	2747	2631	2824	3010	3003	2995	3027	3073	3117	3163	3194	3188
20.0	3074	3095	3117	3071	3002	2818	2507	2345	2609	2864	2856	2848	2901	2977	3052	3130	3175	3124
25.0	2922	2962	3004	2942	2843	2599	2194	1986	2339	2681	2670	2659	2734	2840	2949	3068	3130	3024
30.0	2722	2779	2839	2753	2615	2295	1772	1507	1981	2438	2417	2395	2499	2649	2804	2977	3060	2888
35.0	2493	2553	2615	2495	2308	1907	1262	938	1530	2103	2068	2033	2175	2384	2601	2841	2958	2722
40.0	2211	2263	2316	2150	1902	1448	755	412	1070	1706	1629	1549	1735	2017	2312	2640	2805	2503
45.0	1752	1826	1903	1682	1351	956	469	239	745	1234	1127	1016	1228	1558	1926	2360	2573	2156
50.0	1137	1227	1320	1071	696	422	228	169	504	827	696	560	734	1020	1424	1975	2239	1678
55.0	623	664	706	526	264	122	90.8	98.4	223	344	271	196	313	500	895	1525	1832	1217
60.0	242	239	237	190	125	84.9	65.4	63.1	112	160	141	122	137	164	464	1058	1351	787
65.0	188	159	128	103	77.5	58.6	44.6	42.9	77.6	111	101	89.5	92.3	99.6	266	603	775	477
70.0	157	130	101	79.7	59.9	44.2	31.3	29.5	60.8	90.9	74.1	56.6	60.9	72.6	115	192	237	197
75.0	134	105	75.2	57.2	42.2	31.3	23.5	23.4	46.2	68.1	53.8	38.9	42	51.3	65.3	85.2	103	119
80.0	110	82.3	53.3	38.9	28.8	22.9	20.7	22.6	36.5	50	39	27.6	28.2	32.9	43.4	60.6	77.1	94
85.0	71.3	55.3	38.7	28.8	20.7	17.6	19.3	21.4	25	28.4	21.2	13.7	15.2	19.9	29.2	43.7	56.1	63.8
90.0	23.3	22.1	20.8	19.4	17.7	18	20.1	20.5	15.7	11.1	10.9	10.7	11.1	11.7	18.5	32.2	40	31.5
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
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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: