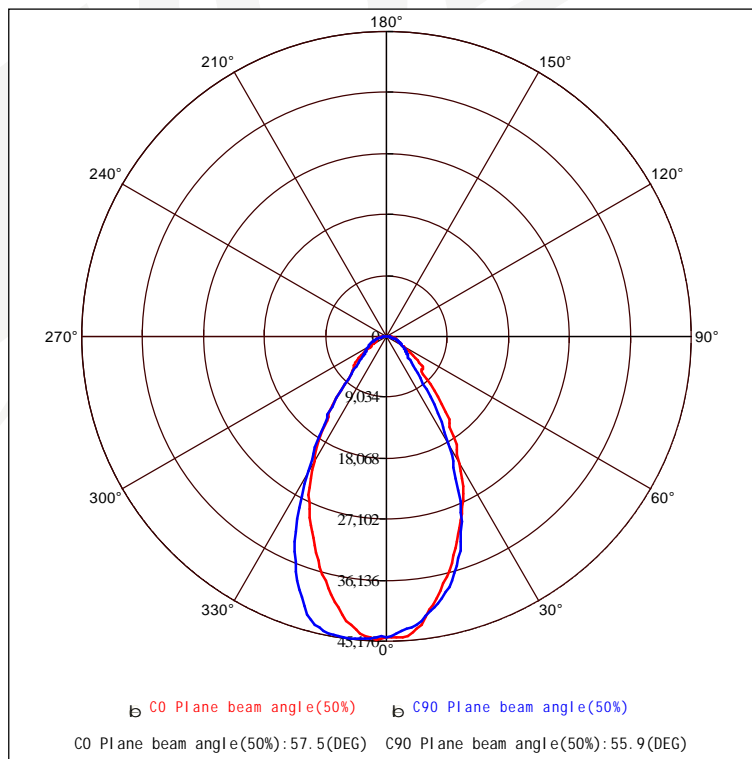


Goniophotometer Test Report

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm						
Lamp Name: LED FLOOD LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPFL-500MT01		Lamp Spec: LPFL-500MT01		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPFL-500MT01		Peak Value(cd)	45257.1	Efficiency(lm/w)	103.7
Nominal P(w)	500.0		Position	270.0, 7.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	48021.057	Down(C0-C180)	47.7
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)	52.3

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

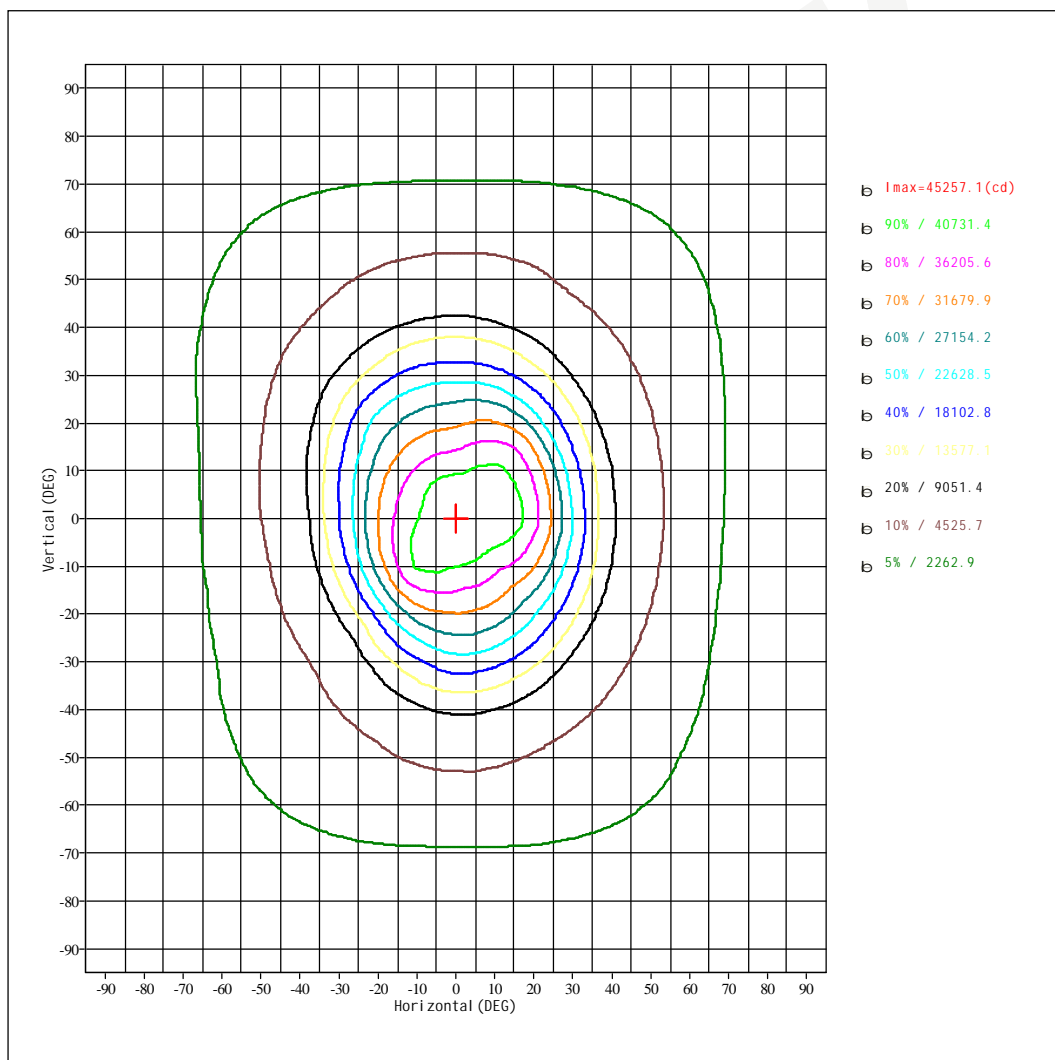
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

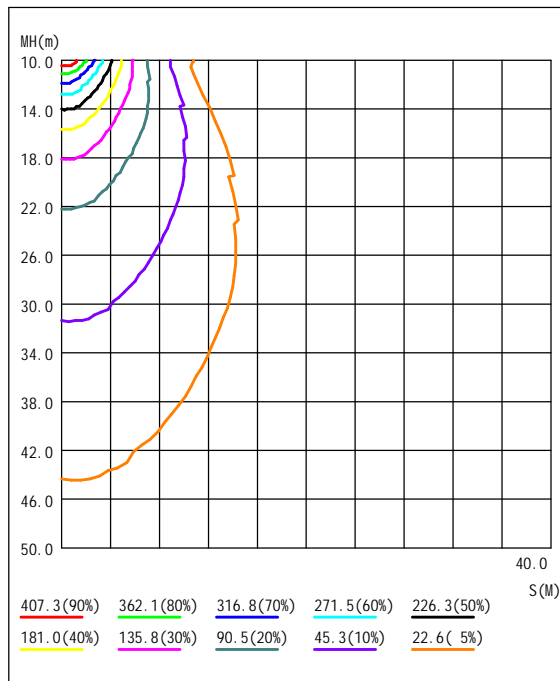
Humi di ty(%): 60

Date: 2026-4-7

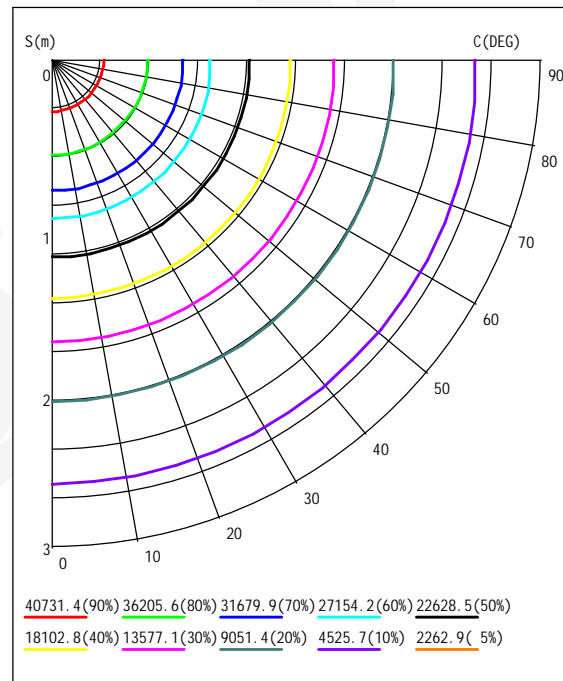
Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	Shape Si ze:
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): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

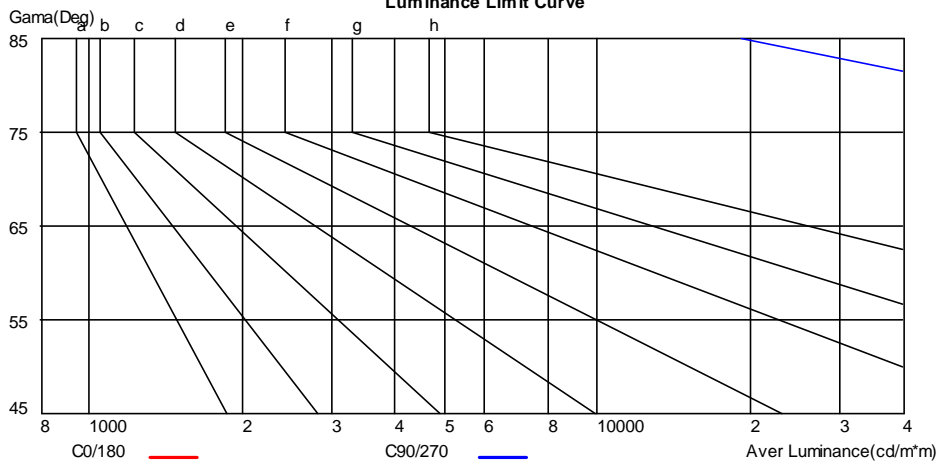
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	718222.4	687929.6	446618.3	269972.4	188613.3	160003.1	144871.4	129889.2	60111.2
C90	461108.1	393301.0	325118.4	263407.3	201977.5	143099.6	90767.6	54904.0	19166.4

Glare

Glare	Class	Illuminance(lx)							
		a	b	c	d	e	f	g	h
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

Luminance Limit Curve



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

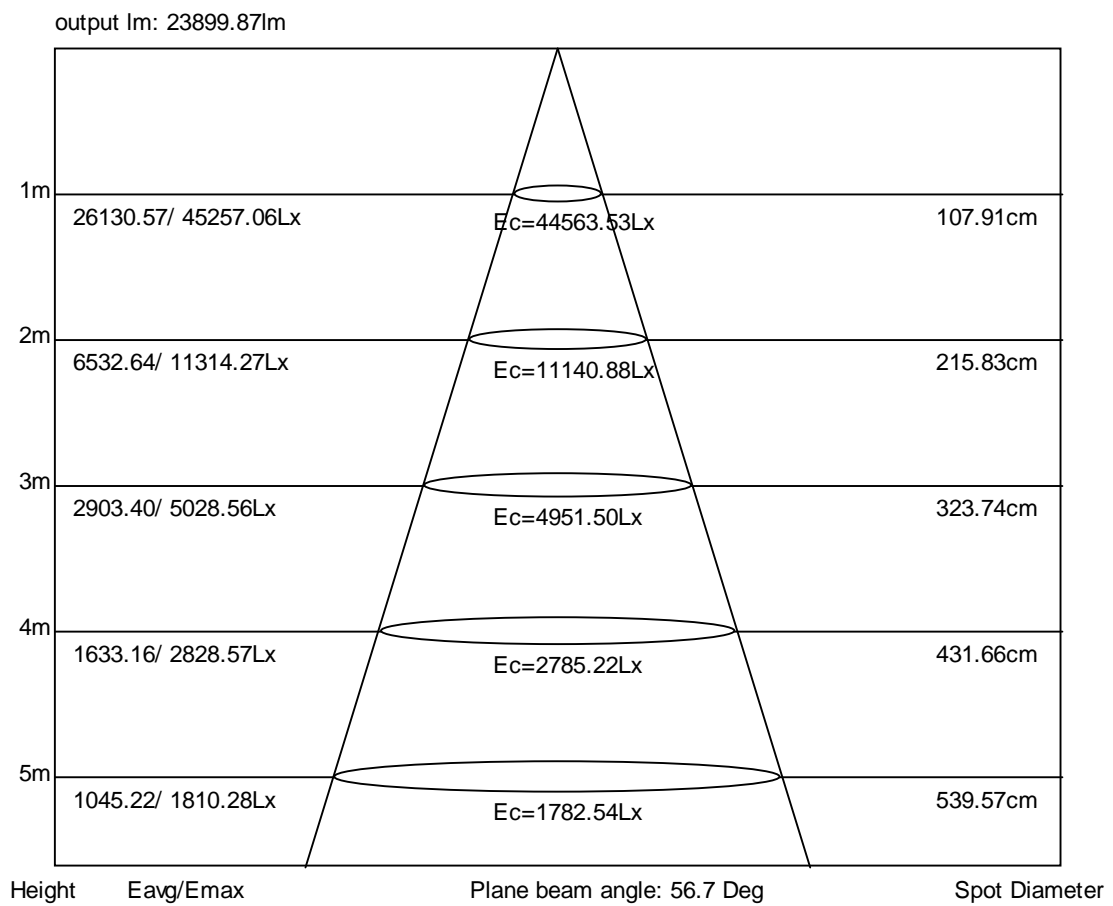
Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

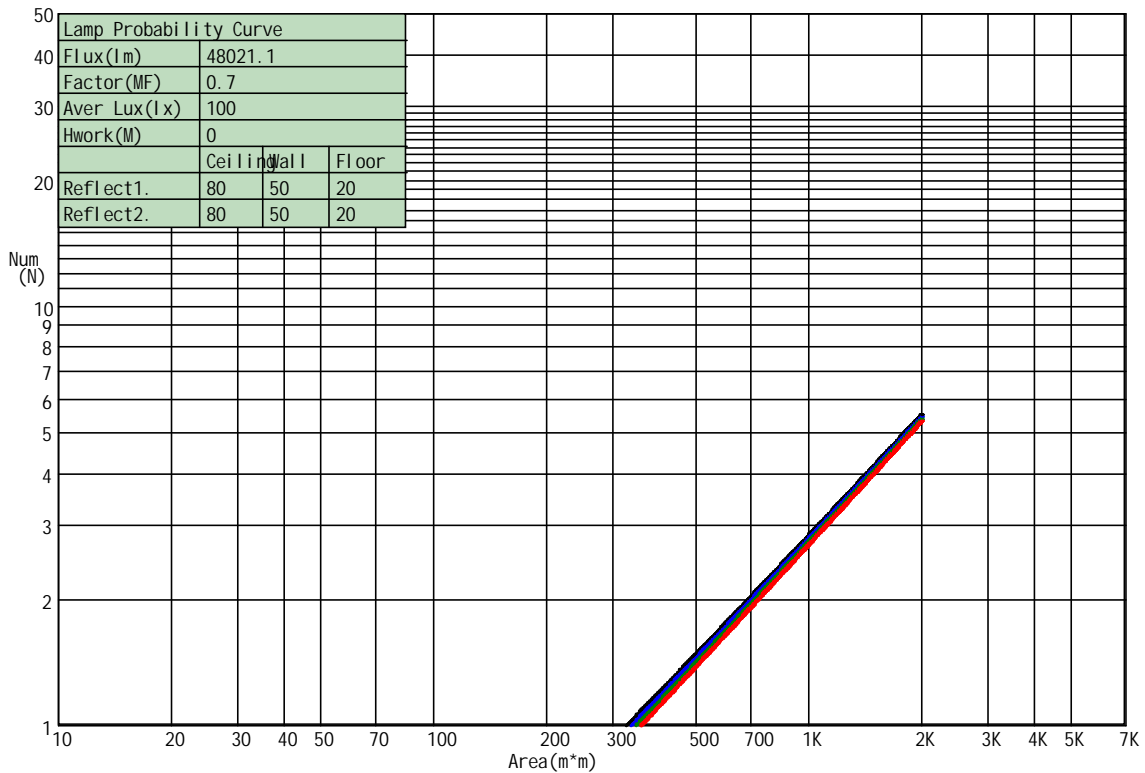
Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	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: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	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	51	36	27	50	35	26	47	34	26
0.80	55	38	27	53	37	26	48	35	25
1.00	58	40	27	55	38	27	50	36	25
1.25	60	41	27	57	39	27	51	36	25
1.50	62	43	28	59	41	27	52	37	25
2.00	65	45	29	61	43	28	54	38	26
2.50	67	46	29	62	44	28	55	39	25
3.00	68	47	30	64	45	28	55	40	26
4.00	70	49	31	65	46	29	56	40	26
5.00	71	50	32	66	47	30	57	41	27

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	1.01	1.02	1	0.97	0.98	0.96	0.94	0.95	0.93	0.92
2	0.99	0.93	0.89	0.97	0.92	0.88	0.93	0.9	0.86	0.9	0.87	0.84	0.87	0.85	0.83
3	0.9	0.84	0.79	0.89	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75
4	0.83	0.76	0.71	0.82	0.75	0.71	0.79	0.74	0.7	0.77	0.73	0.69	0.75	0.71	0.68
5	0.77	0.7	0.65	0.76	0.69	0.64	0.74	0.68	0.64	0.72	0.67	0.63	0.7	0.66	0.62
6	0.71	0.64	0.59	0.7	0.64	0.59	0.69	0.63	0.58	0.67	0.62	0.58	0.66	0.61	0.58
7	0.66	0.59	0.54	0.66	0.59	0.54	0.64	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.53
8	0.62	0.55	0.5	0.61	0.55	0.5	0.6	0.54	0.5	0.59	0.54	0.5	0.58	0.53	0.5
9	0.58	0.51	0.47	0.58	0.51	0.47	0.57	0.51	0.47	0.56	0.5	0.46	0.55	0.5	0.46
10	0.55	0.48	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.53	0.47	0.43	0.52	0.47	0.43

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

Humi dity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exi tance 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	0.11	0.04	0.18	0.11	0.03
2	0.21	0.12	0.04	0.21	0.11	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03
3	0.2	0.11	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
4	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
5	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03	0.16	0.08	0.02	0.15	0.08	0.02
6	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.14	0.08	0.02
7	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02	0.14	0.07	0.02	0.14	0.07	0.02
8	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02
9	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02
10	0.13	0.06	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	0.06	0.02	0.12	0.06	0.02

Ceiling Cavi ty Exi tance 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	0.13	0.09	0.06	0.11	0.08	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
6	0.13	0.08	0.05	0.11	0.07	0.04	0.07	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.11	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	0.09	0.05	0.03	0.06	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.1	0.06	0.03	0.09	0.05	0.02	0.06	0.03	0.02	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range: -90 - 90(Deg)

C Angle Range:0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-7

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	Shape Si ze:
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	43685	43918	43203	44395	43964	43999	44917	43786	0-5	1058	1058
10	39937	40115	40470	43796	40495	40617	44927	43512	5-10	3066	4125
15	35423	35956	37117	40328	36032	36357	43223	41459	10-15	4748	8873
20	30783	31473	31615	33222	31412	31767	38081	37528	15-20	5886	14759
25	26396	26990	24297	23414	26690	26584	31047	30611	20-25	6316	21076
30	21132	21502	17465	15264	20660	20980	22141	21827	25-30	5958	27033
35	15721	16030	11765	9424	14478	15125	14879	16399	30-35	5098	32131
40	11256	11283	6779	5261	9952	8997	9975	9901	35-40	3934	36065
45	7182	6736	4611	4799	6898	5379	5950	5952	40-45	2689	38754
50	6879	5053	3933	3687	5812	4053	4337	5042	45-50	2154	40909
55	4466	3873	3251	2590	3489	3302	3696	4291	50-55	1844	42753
60	2700	2986	2634	1992	2264	2624	3129	3126	55-60	1436	44188
65	1886	2243	2020	1546	1741	2028	2533	2379	60-65	1140	45329
70	1600	1685	1431	1212	1594	1558	1951	1834	65-70	921	46249
75	1449	1295	908	845	1483	1147	1380	1363	70-75	740	46989
80	1299	940	549	443	1151	758	845	926	75-80	564	47553
85	601	515	192	164	347	276	464	534	80-85	341	47894
90	163	161	160	162	112	113	139	248	85-90	127	48021
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

Humi di ty(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 232.8V I: 2032.0mA P: 463.10W PF: 0.979 Test LM: 48021.06lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-500MT01	Lamp Spec: LPFL-500MT01	Shape Si ze:
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	44k	44k	44k	44k	43k	43k	44k	44k	44k	44k	44k	44k	44k	45k	45k	44k	44k	44k
10.0	40k	40k	40k	40k	40k	41k	43k	43k	42k	40k	41k	41k	42k	44k	45k	44k	43k	42k
15.0	35k	36k	36k	36k	37k	38k	39k	40k	38k	36k	36k	36k	39k	42k	43k	42k	41k	38k
20.0	31k	31k	31k	32k	32k	32k	33k	33k	32k	31k	32k	32k	34k	37k	38k	38k	37k	34k
25.0	26k	27k	27k	26k	25k	24k	24k	24k	25k	27k	27k	27k	28k	30k	31k	31k	30k	28k
30.0	21k	21k	21k	20k	18k	17k	16k	16k	18k	21k	21k	21k	21k	22k	22k	22k	22k	21k
35.0	16k	16k	16k	15k	13k	11k	10k	9977	12k	14k	15k	15k	15k	15k	15k	16k	16k	16k
40.0	11k	11k	11k	9805	7764	6447	5759	5774	7900	9952	9534	9102	9318	9761	9958	9925	10k	11k
45.0	7182	6987	6785	6039	5076	4652	4737	5028	5979	6898	6233	5545	5566	5825	5950	5951	6086	6644
50.0	6879	6080	5253	4685	4178	3879	3768	3919	4882	5812	5042	4245	4146	4275	4491	4811	5243	6075
55.0	4466	4207	3938	3669	3387	3106	2807	2688	3096	3489	3407	3322	3431	3610	3826	4096	4310	4389
60.0	2700	2825	2954	2870	2711	2494	2203	2022	2145	2264	2421	2585	2790	3019	3128	3127	3079	2886
65.0	1886	2042	2204	2169	2069	1916	1702	1568	1656	1741	1867	1996	2193	2422	2499	2429	2325	2102
70.0	1600	1637	1676	1602	1487	1383	1284	1254	1427	1594	1578	1562	1687	1865	1926	1872	1808	1702
75.0	1449	1382	1312	1168	992	894	866	915	1204	1483	1336	1184	1223	1329	1376	1368	1372	1411
80.0	1299	1142	979	812	635	526	478	521	841	1151	979	801	786	826	863	900	967	1136
85.0	601	563	524	409	262	186	173	184	267	347	316	284	338	423	479	511	541	572
90.0	163	162	161	161	160	160	161	157	134	112	112	113	121	133	163	212	239	200
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-7

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0