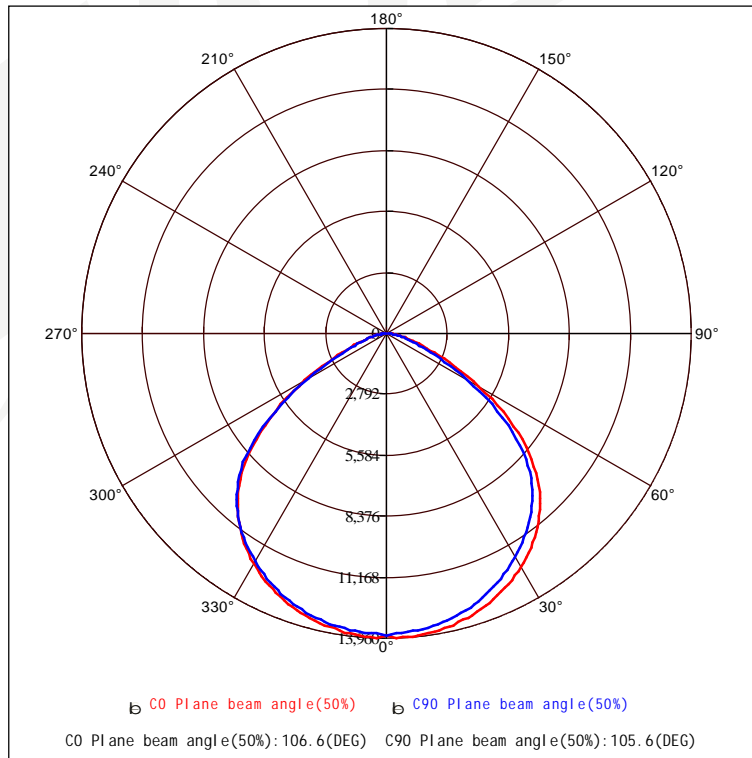


Goniophotometer Test Report

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm						
Lamp Name: LED FLOOD LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPFL-300BW02		Lamp Spec: LPFL-300BW02		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPFL-300BW02		Peak Value(cd)	13972.8	Efficiency(lm/w)	119.6
Nominal P(w)	300.0		Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	34322.800	Down(C0-C180)	50.8
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)	49.2

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

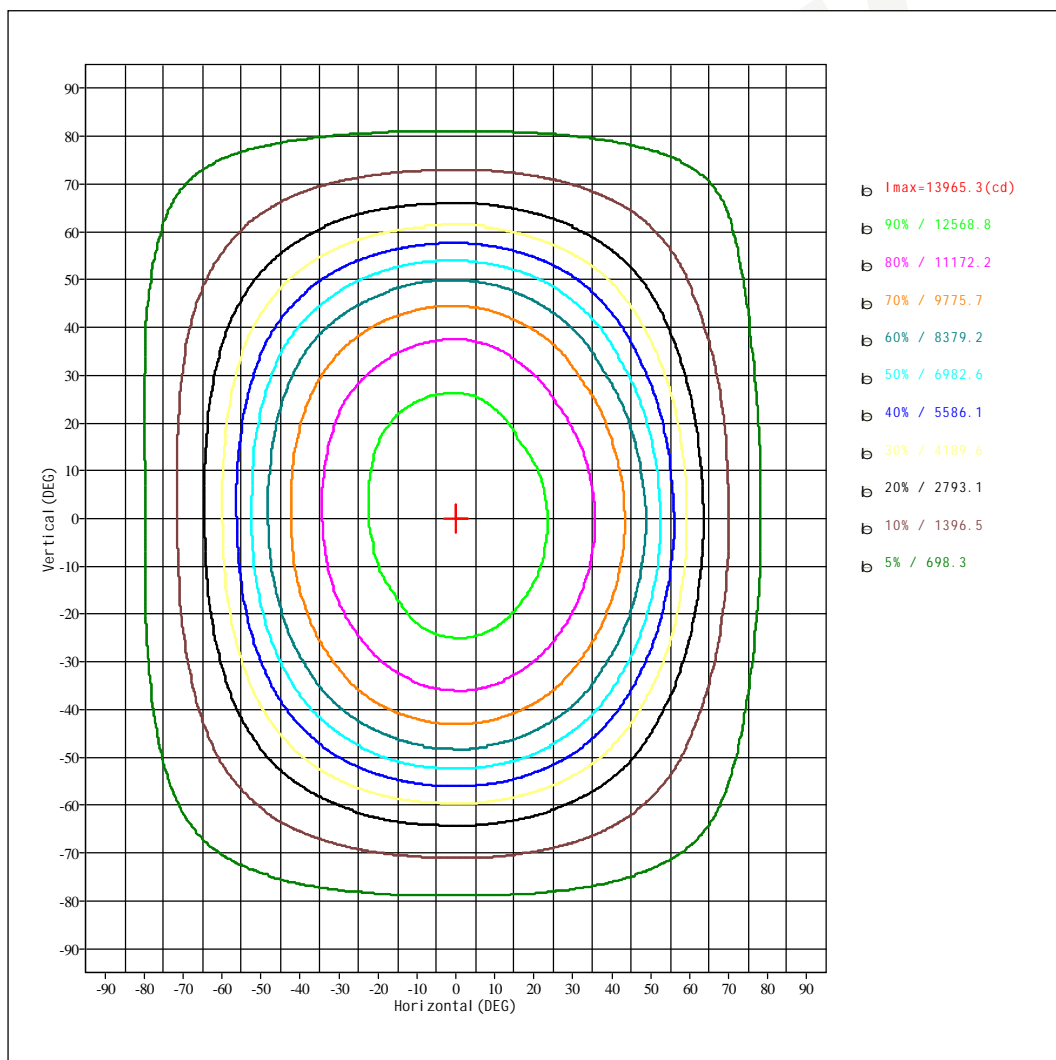
Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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

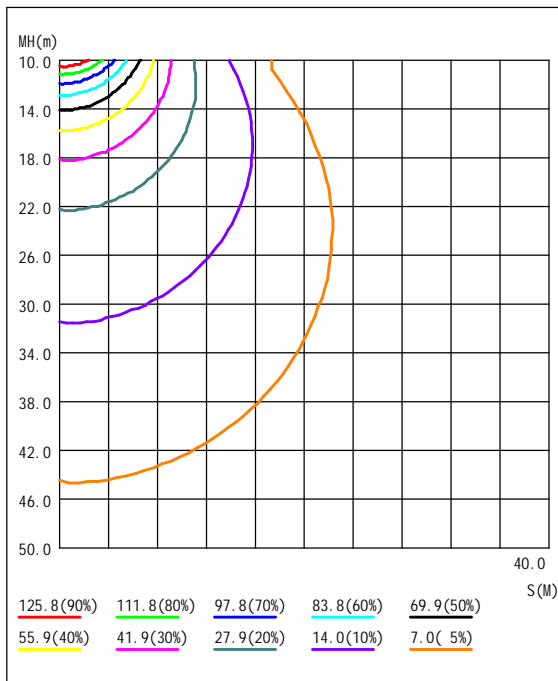
Humi di ty(%): 60

Date: 2026-4-3

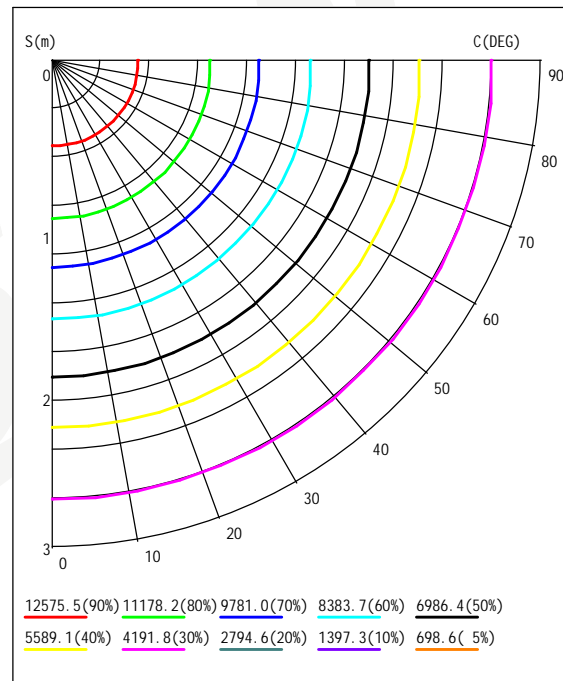
Remark:

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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: 2026-4-3

Remark:

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

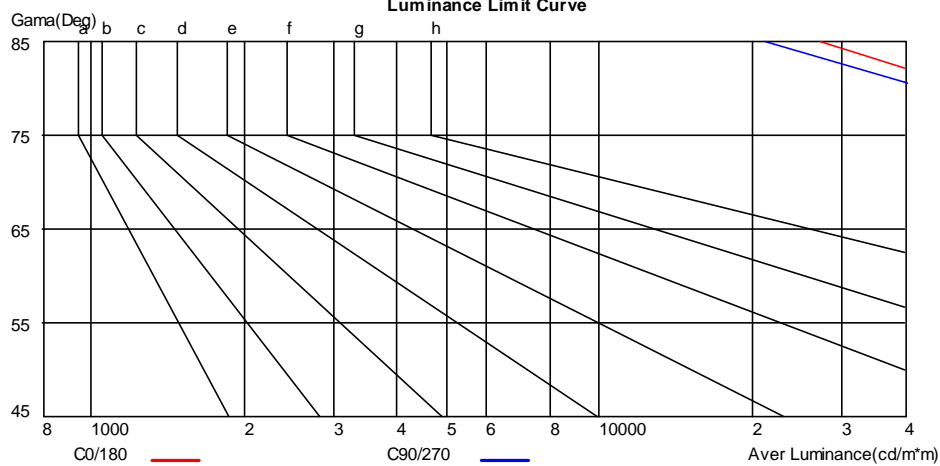
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	976040.3	835970.9	662795.1	471096.3	303923.0	183417.8	103968.7	54324.3	27314.6
C90	925677.1	784482.7	601881.2	411448.6	257639.6	153126.5	85765.7	43591.4	21284.1

Glare

Glare	Class	Illuminance(lx)							
		2000	1000	500	<=300				
1.15	A								
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

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

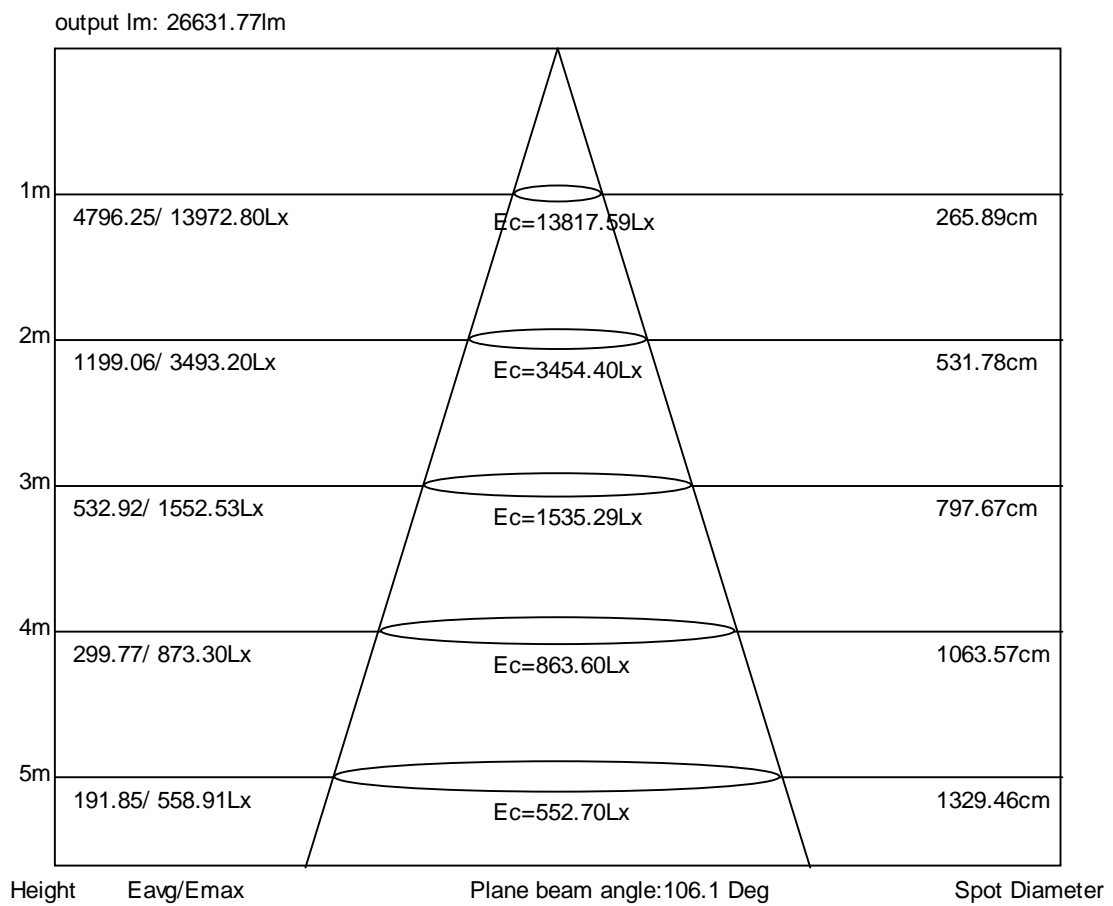
Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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

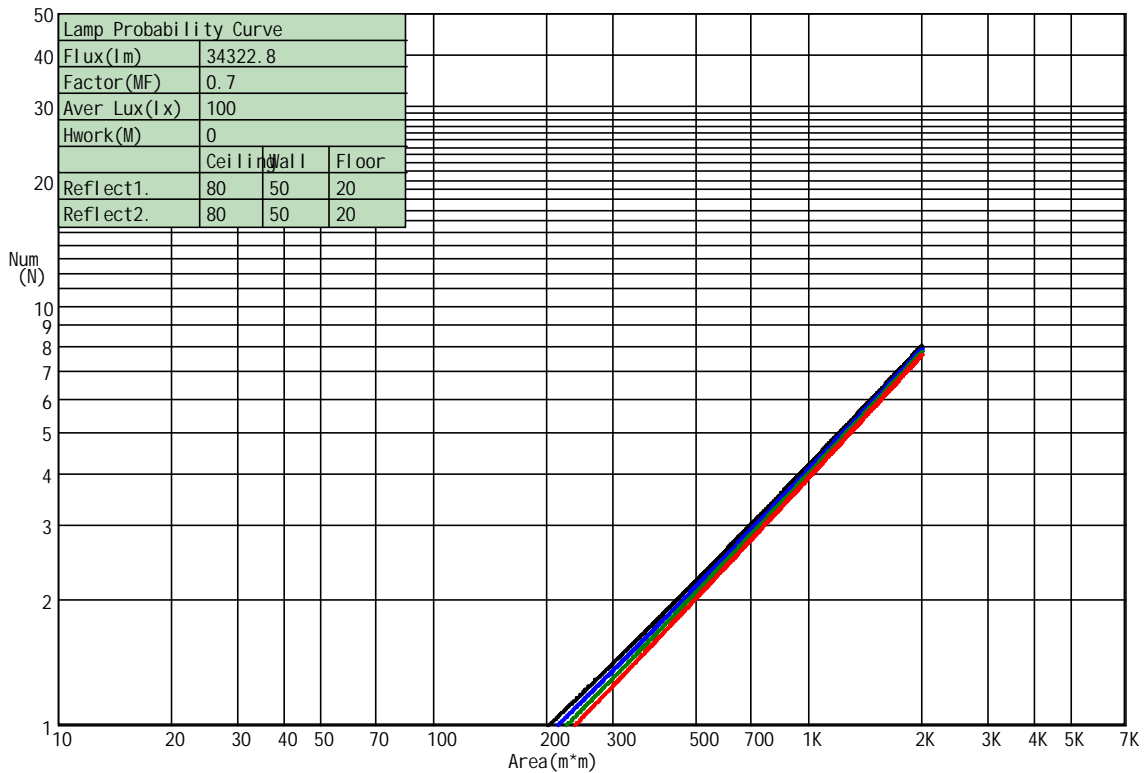
Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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	56	42	34	55	42	33	52	40	33
0.80	60	44	34	58	43	33	54	41	32
1.00	62	46	34	60	44	33	55	42	32
1.25	64	47	34	61	45	33	56	42	32
1.50	66	48	34	63	46	33	57	42	31
2.00	68	49	34	64	47	33	57	43	31
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	65	47	32	58	42	29
4.00	71	51	33	66	48	31	58	42	28
5.00	72	51	33	67	48	31	58	42	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	1.06	1.03	0.99	1.04	1.01	0.98	1	0.97	0.95	0.96	0.94	0.92	0.92	0.91	0.89
2	0.94	0.88	0.83	0.92	0.87	0.82	0.89	0.84	0.8	0.86	0.82	0.79	0.83	0.8	0.77
3	0.84	0.76	0.71	0.82	0.75	0.7	0.79	0.74	0.69	0.77	0.72	0.68	0.74	0.7	0.66
4	0.75	0.67	0.61	0.74	0.66	0.6	0.71	0.65	0.59	0.69	0.63	0.59	0.67	0.62	0.58
5	0.67	0.59	0.53	0.66	0.58	0.52	0.64	0.57	0.52	0.62	0.56	0.51	0.6	0.55	0.51
6	0.61	0.52	0.46	0.6	0.52	0.46	0.58	0.51	0.46	0.56	0.5	0.45	0.55	0.49	0.45
7	0.55	0.47	0.41	0.54	0.47	0.41	0.53	0.46	0.41	0.52	0.45	0.4	0.5	0.44	0.4
8	0.5	0.42	0.37	0.5	0.42	0.37	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	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33
10	0.43	0.35	0.3	0.42	0.35	0.3	0.41	0.35	0.3	0.4	0.34	0.3	0.4	0.34	0.3

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: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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	0.26	0.15	0.05	0.26	0.15	0.05	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04
2	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04
3	0.24	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04
4	0.23	0.12	0.03	0.22	0.12	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	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	0.09	0.03	0.18	0.09	0.03
7	0.19	0.09	0.03	0.18	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	0.15	0.07	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	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	0.18	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	0.14	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	0.02	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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-3

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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	13935	13855	13687	13570	13884	13835	13715	13617	0-5	330	330
10	13782	13694	13485	13442	13701	13642	13593	13477	5-10	979	1309
15	13561	13483	13220	13181	13485	13348	13347	13228	10-15	1599	2908
20	13232	13148	12845	12802	13145	13017	12992	12848	15-20	2172	5080
25	12833	12690	12331	12345	12669	12525	12545	12420	20-25	2680	7760
30	12277	12140	11769	11791	12123	11920	11982	11859	25-30	3104	10864
35	11611	11496	11074	11110	11414	11228	11318	11170	30-35	3430	14294
40	10814	10699	10251	10266	10514	10319	10536	10289	35-40	3635	17929
45	9760	9672	9257	9145	9371	9113	9479	9080	40-45	3674	21603
50	8360	8387	7845	7721	7845	7535	7994	7555	45-50	3497	25101
55	6628	6740	6019	5988	6018	5557	6010	5720	50-55	3049	28150
60	4711	4841	4114	4174	4126	3583	3915	3829	55-60	2358	30508
65	3039	3118	2576	2655	2569	2129	2318	2311	60-65	1620	32128
70	1834	1916	1531	1562	1496	1181	1320	1303	65-70	1019	33148
75	1040	1095	858	869	819	632	719	700	70-75	602	33750
80	543	596	436	450	407	314	363	346	75-80	331	34081
85	273	299	213	229	191	136	167	164	80-85	168	34249
90	123	112	103	90.5	69.5	68.7	64.8	66.4	85-90	74	34323
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-3

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0

Measured Para U: 231.6V I: 1265.0mA P: 287.00W PF: 0.980 Test LM: 34322.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-300BW02	Lamp Spec: LPFL-300BW02	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	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k
10.0	14k	14k	14k	14k	14k	13k	13k	13k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k
15.0	14k	14k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k
20.0	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k
25.0	13k	13k	13k	13k	12k	12k	12k	12k	13k	13k	13k	13k	13k	13k	13k	12k	12k	13k
30.0	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k
35.0	12k	12k	12k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k
40.0	11k	11k	11k	11k	10k	10k	10k	10k	10k	11k	10k	10k	10k	10k	10k	10k	10k	11k
45.0	9760	9722	9682	9536	9348	9232	9182	9170	9272	9371	9258	9141	9233	9399	9392	9211	9155	9463
50.0	8360	8372	8384	8209	7964	7818	7762	7735	7791	7845	7709	7569	7686	7894	7898	7699	7643	8008
55.0	6628	6677	6727	6503	6176	6012	5998	5992	6005	6018	5816	5607	5706	5911	5947	5815	5819	6231
60.0	4711	4768	4827	4603	4273	4128	4154	4169	4147	4126	3888	3642	3692	3842	3896	3857	3925	4325
65.0	3039	3074	3110	2941	2695	2594	2629	2645	2607	2569	2377	2177	2191	2277	2317	2314	2391	2721
70.0	1834	1870	1907	1790	1615	1538	1552	1555	1525	1496	1358	1215	1227	1290	1317	1309	1361	1602
75.0	1040	1064	1089	1017	909	860	865	863	841	819	737	652	661	700	715	706	737	891
80.0	543	566	590	543	471	439	445	445	426	407	366	324	330	352	359	352	368	457
85.0	273	284	296	271	232	216	224	225	208	191	167	142	146	160	166	165	176	225
90.0	123	118	113	109	105	101	94.7	88.2	78.7	69.5	69.1	68.8	67.4	65.6	65.1	65.9	72.6	98.3
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: 2026-4-3

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0