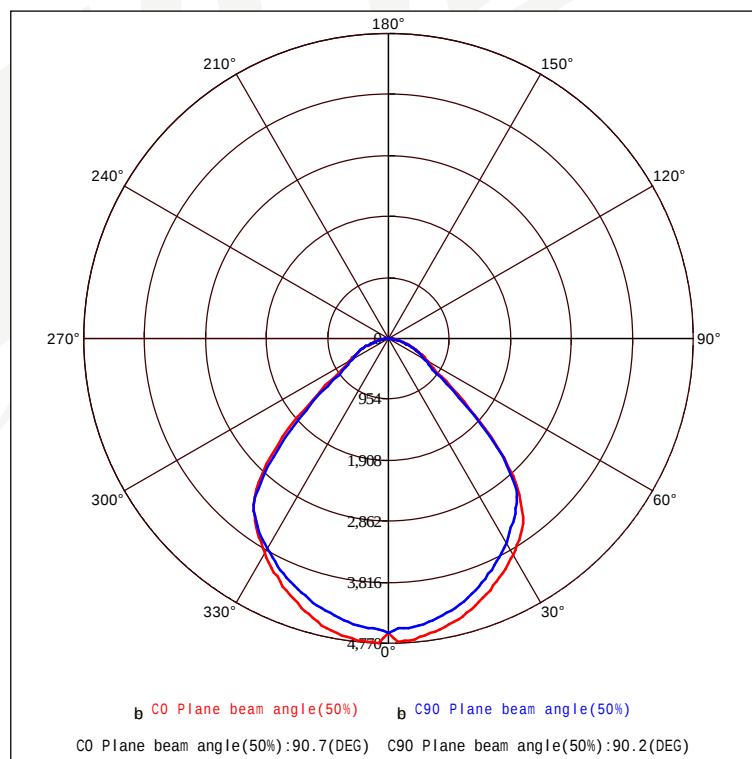


Goniophotometer Test Report

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-100B02			Lamp Spec: LPFL-100B02		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-100B02		Peak Value(cd)	4766.4	Efficiency(lm/w)	101.5
Nominal P(w)		1.0	Position	180.0,2.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	9128.417	Down(C0-C180)	50.5
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)	49.5

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

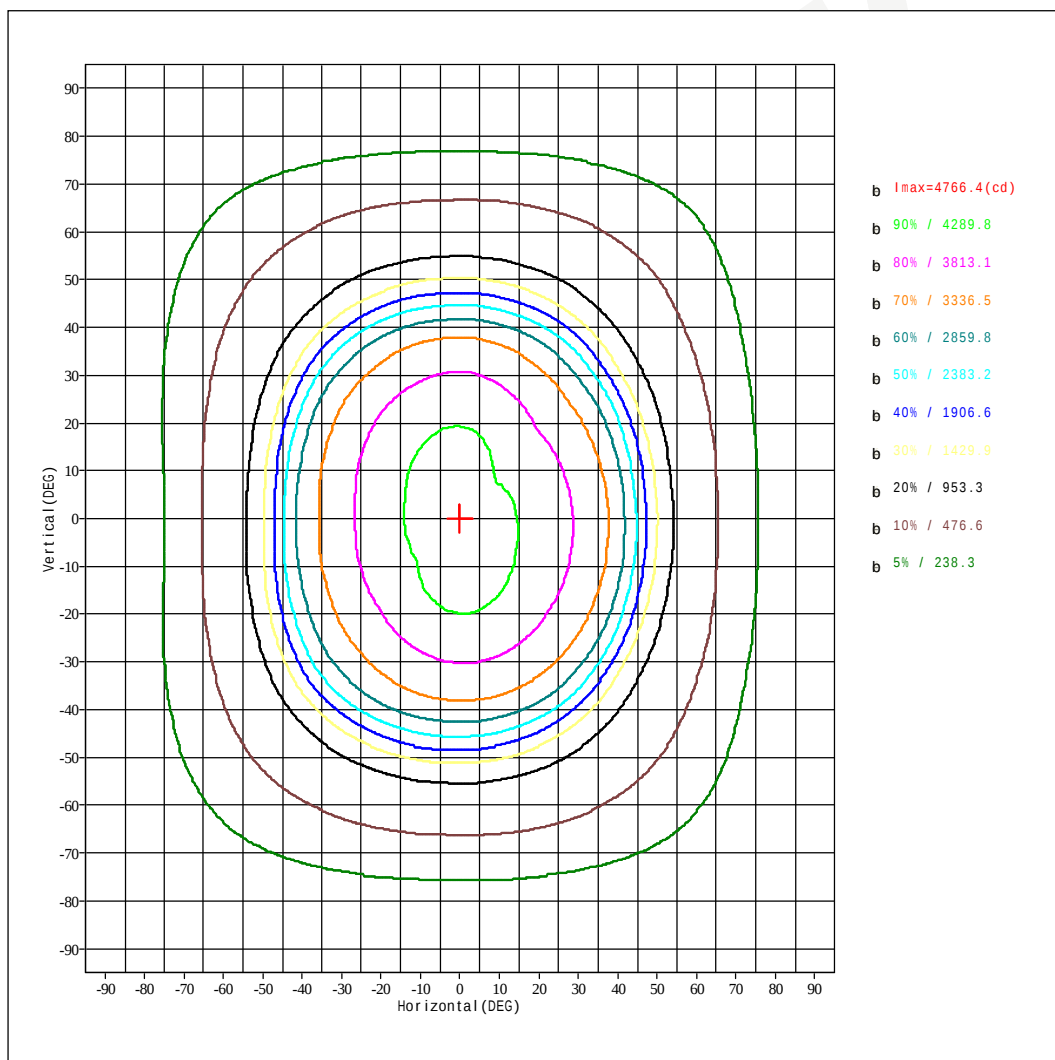
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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

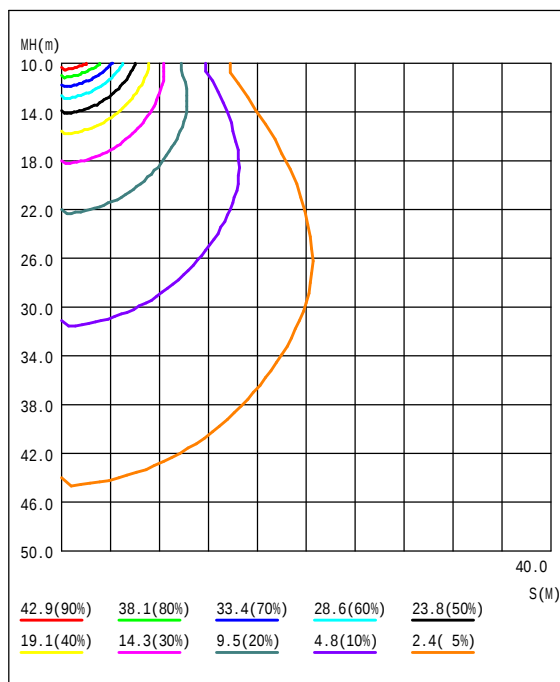
Humidity(%): 60

Date: 2026-1-25

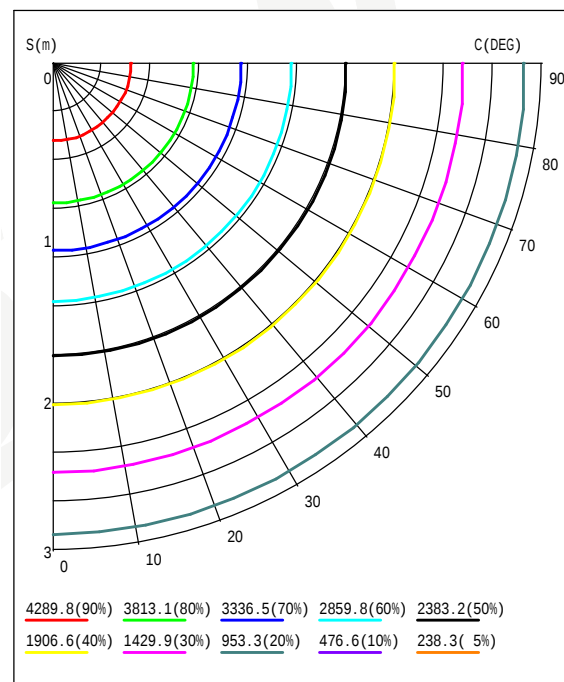
Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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: 2026-1-25

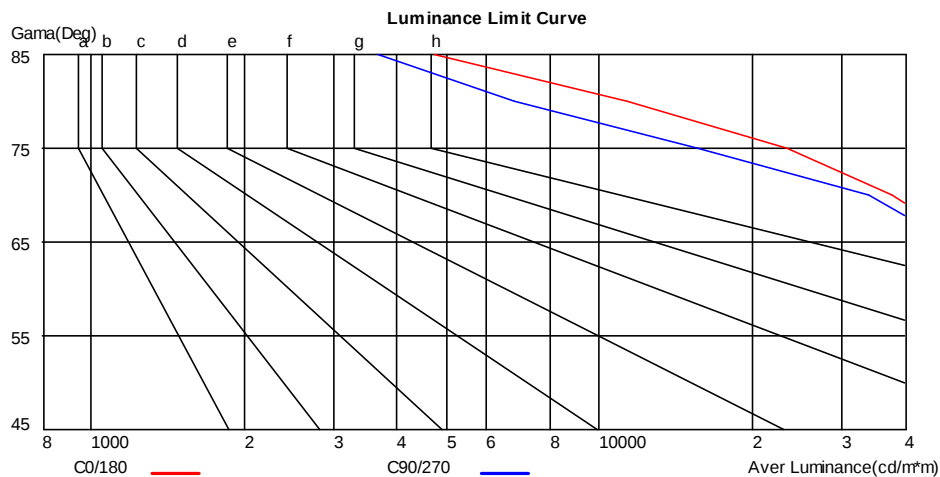
Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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	235009.9	146207.2	87611.0	69150.8	53560.9	37675.6	23423.0	11356.2	4728.5
C90	229252.4	136213.6	81316.0	65097.5	49636.5	33869.3	15690.3	6801.7	3653.9

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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

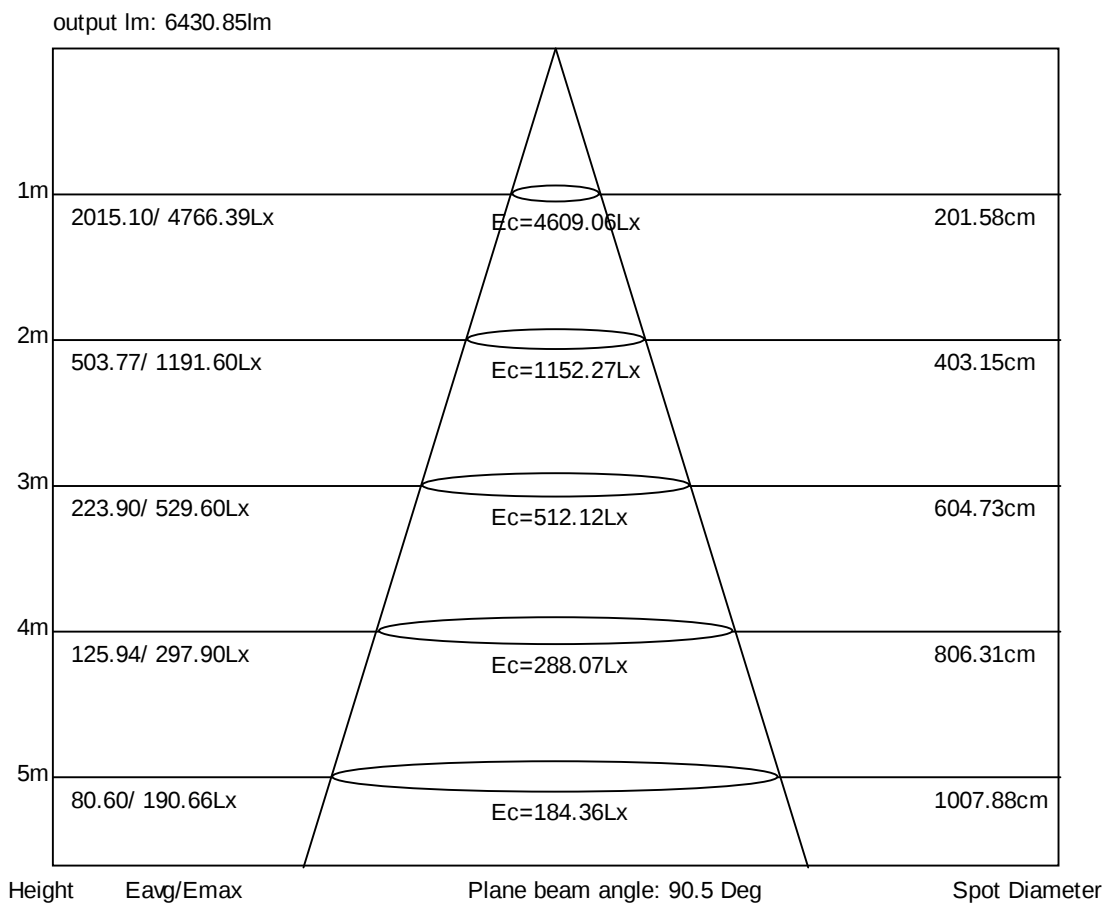
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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

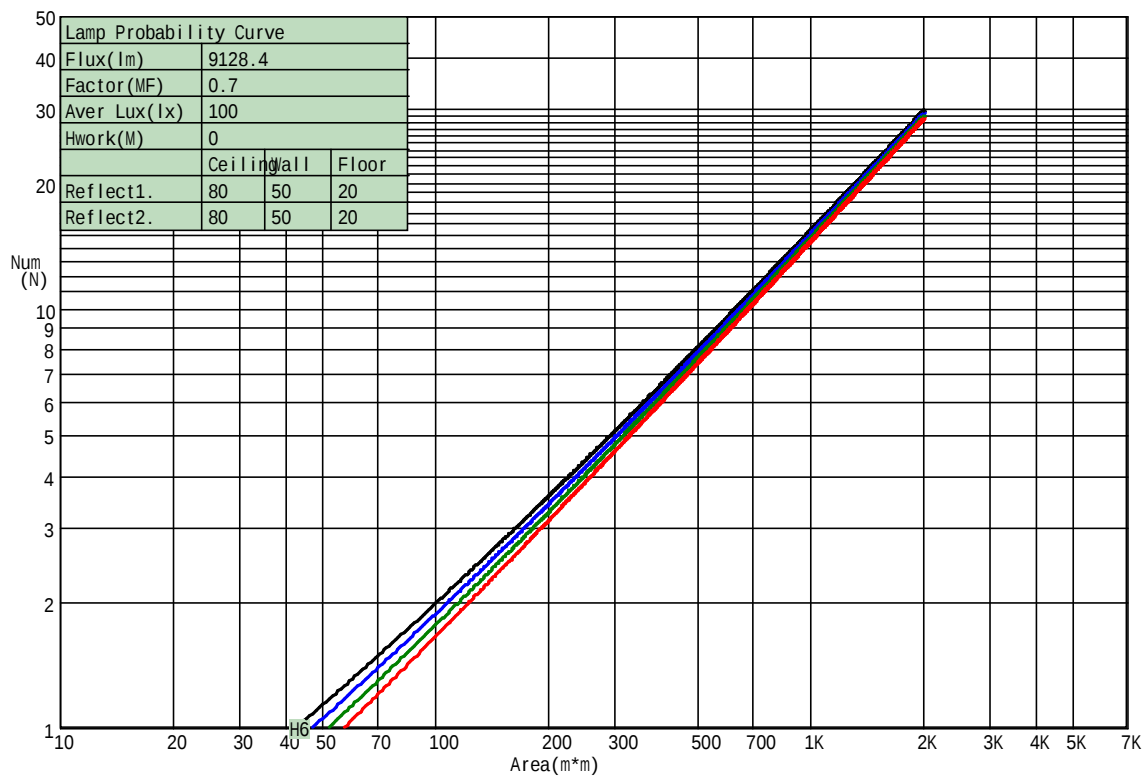
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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	58	45	36	57	44	36	54	43	35
0.80	60	45	35	58	44	34	54	42	33
1.00	62	46	34	60	44	33	55	42	32
1.25	64	46	33	61	44	32	55	41	31
1.50	65	47	33	62	45	32	56	41	30
2.00	67	48	33	64	46	32	57	42	30
2.50	68	49	32	64	46	31	57	41	29
3.00	69	49	32	65	47	31	57	42	28
4.00	71	51	33	66	48	31	58	42	28
5.00	72	52	33	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	1.07	1.04	1.01	1.05	1.02	0.99	1.01	0.98	0.96	0.97	0.95	0.93	0.94	0.92	0.9
2	0.96	0.91	0.86	0.94	0.89	0.85	0.91	0.87	0.83	0.88	0.84	0.81	0.85	0.82	0.8
3	0.87	0.8	0.74	0.85	0.79	0.74	0.82	0.77	0.73	0.8	0.75	0.71	0.77	0.73	0.7
4	0.78	0.71	0.65	0.77	0.7	0.65	0.75	0.69	0.64	0.72	0.67	0.63	0.7	0.66	0.62
5	0.71	0.63	0.58	0.7	0.63	0.57	0.68	0.62	0.57	0.66	0.61	0.56	0.64	0.59	0.56
6	0.65	0.57	0.51	0.64	0.56	0.51	0.62	0.56	0.51	0.61	0.55	0.5	0.59	0.54	0.5
7	0.59	0.52	0.46	0.59	0.51	0.46	0.57	0.5	0.46	0.56	0.5	0.45	0.54	0.49	0.45
8	0.55	0.47	0.42	0.54	0.47	0.42	0.53	0.46	0.41	0.52	0.45	0.41	0.5	0.45	0.41
9	0.5	0.43	0.38	0.5	0.43	0.38	0.49	0.42	0.38	0.48	0.42	0.37	0.47	0.41	0.37
10	0.47	0.39	0.35	0.46	0.39	0.35	0.45	0.39	0.34	0.44	0.38	0.34	0.44	0.38	0.34

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: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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	0.24	0.14	0.04	0.24	0.14	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04
2	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04
3	0.22	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.11	0.03
4	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
5	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03
6	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
7	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
8	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
9	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02
10	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

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	0.16	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	0.13	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	0.06	0.13	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	0.13	0.07	0.04	0.11	0.06	0.03	0.08	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	0.12	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	0.1	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): 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: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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	4713	4595	4523	4494	4752	4609	4524	4440	0-5	110	110
10	4613	4505	4429	4437	4674	4520	4430	4347	5-10	325	435
15	4487	4369	4292	4314	4518	4387	4316	4230	10-15	525	960
20	4303	4197	4118	4125	4323	4209	4147	4065	15-20	704	1664
25	4104	4004	3901	3922	4094	4004	3984	3883	20-25	857	2521
30	3885	3787	3664	3704	3851	3786	3773	3689	25-30	981	3502
35	3617	3520	3403	3457	3574	3540	3553	3438	30-35	1072	4575
40	3123	3160	3066	3144	3197	3148	3175	2984	35-40	1113	5688
45	2350	2496	2293	2626	2491	2391	2345	2217	40-45	1030	6718
50	1462	1574	1362	1777	1610	1359	1443	1300	45-50	784	7502
55	876	918	813	984	932	822	828	799	50-55	494	7996
60	692	694	651	697	691	646	643	621	55-60	347	8344
65	536	551	496	549	520	497	507	477	60-65	288	8632
70	377	386	339	376	351	324	358	323	65-70	221	8853
75	234	237	157	229	204	186	216	188	70-75	145	8998
80	114	125	68	116	91.9	78.3	105	84.5	75-80	79	9077
85	47.3	55.4	36.5	50	33.2	29.5	39	32.6	80-85	35.4	9113
90	27.7	27.1	26.8	25	18.1	17.8	18.2	19	85-90	15.8	9128
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: 2026-1-25

Remark:

Measured Para U: 229.7V I: 628.0mA P: 89.90W PF: 0.623 Test LM: 9128.42lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100B02	Lamp Spec: LPFL-100B02	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	4713	4661	4608	4571	4539	4517	4504	4522	4639	4752	4690	4625	4581	4543	4506	4467	4470	4593
10.0	4613	4566	4517	4480	4446	4431	4434	4463	4570	4674	4606	4537	4491	4450	4412	4375	4376	4497
15.0	4487	4435	4382	4344	4309	4297	4307	4336	4429	4518	4461	4402	4364	4331	4297	4258	4258	4374
20.0	4303	4257	4209	4171	4135	4119	4122	4146	4236	4323	4273	4221	4188	4160	4129	4092	4091	4199
25.0	4104	4060	4015	3970	3924	3905	3915	3941	4019	4094	4055	4014	3998	3988	3962	3916	3907	4007
30.0	3885	3842	3797	3746	3690	3672	3691	3720	3787	3851	3823	3793	3782	3775	3754	3716	3710	3799
35.0	3617	3574	3530	3481	3429	3415	3439	3470	3523	3574	3559	3544	3544	3550	3528	3475	3457	3538
40.0	3123	3139	3156	3129	3086	3083	3118	3150	3174	3197	3175	3153	3157	3169	3133	3046	2999	3062
45.0	2350	2414	2480	2429	2337	2365	2517	2611	2550	2491	2447	2402	2376	2355	2317	2259	2232	2292
50.0	1462	1511	1561	1504	1408	1453	1641	1758	1683	1610	1500	1386	1386	1424	1411	1347	1318	1391
55.0	876	894	914	884	836	850	928	978	954	932	884	834	824	827	822	809	808	842
60.0	692	692	694	680	660	661	682	696	693	691	671	651	645	644	639	628	629	661
65.0	536	542	549	533	508	508	532	546	533	520	510	499	500	505	501	487	483	510
70.0	377	381	385	370	349	347	364	374	362	351	339	327	335	351	351	334	329	353
75.0	234	235	237	211	174	173	205	226	215	204	196	188	196	210	210	197	193	214
80.0	114	119	124	106	80.5	78.5	100	113	102	91.9	85.9	79.8	87.1	99.2	101	91.2	87.7	101
85.0	47.3	50.8	54.5	49.2	40.7	39.5	45.6	48.2	40.6	33.2	31.6	29.9	32.6	36.9	37.6	34.7	34.2	40.8
90.0	27.7	27.4	27.2	27	26.9	26.4	25.6	24.3	21.1	18.1	18	17.9	18	18.2	18.4	18.7	19.9	23.9
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: 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: 2026-1-25

Remark: