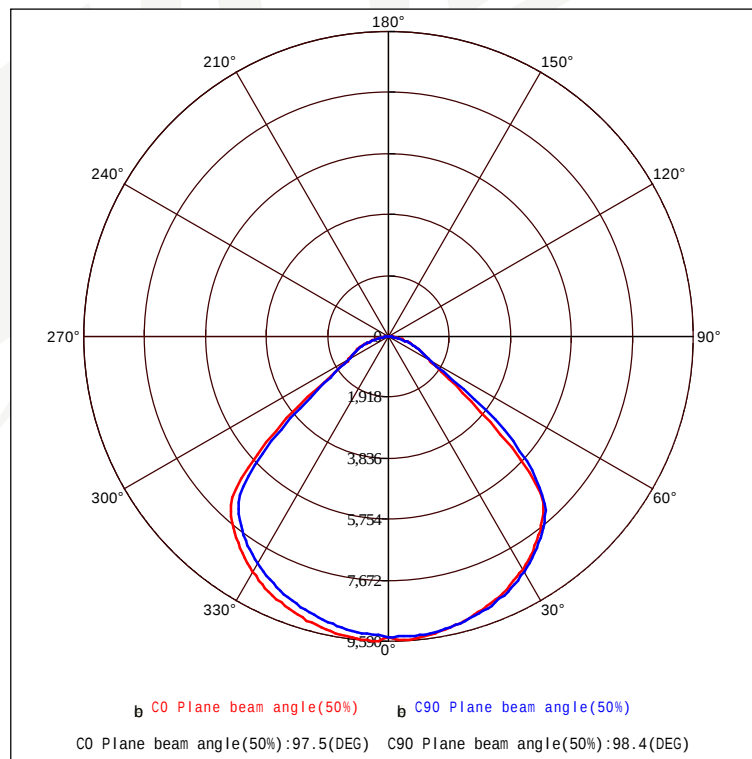


Goniophotometer Test Report

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-200B02			Lamp Spec: LPFL-200B02		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-200B02		Peak Value(cd)	9585.0	Efficiency(lm/w)	112.1
Nominal P(w)		1.0	Position	180.0,3.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	21283.375	Down(C0-C180)	52.0
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)	48.0

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

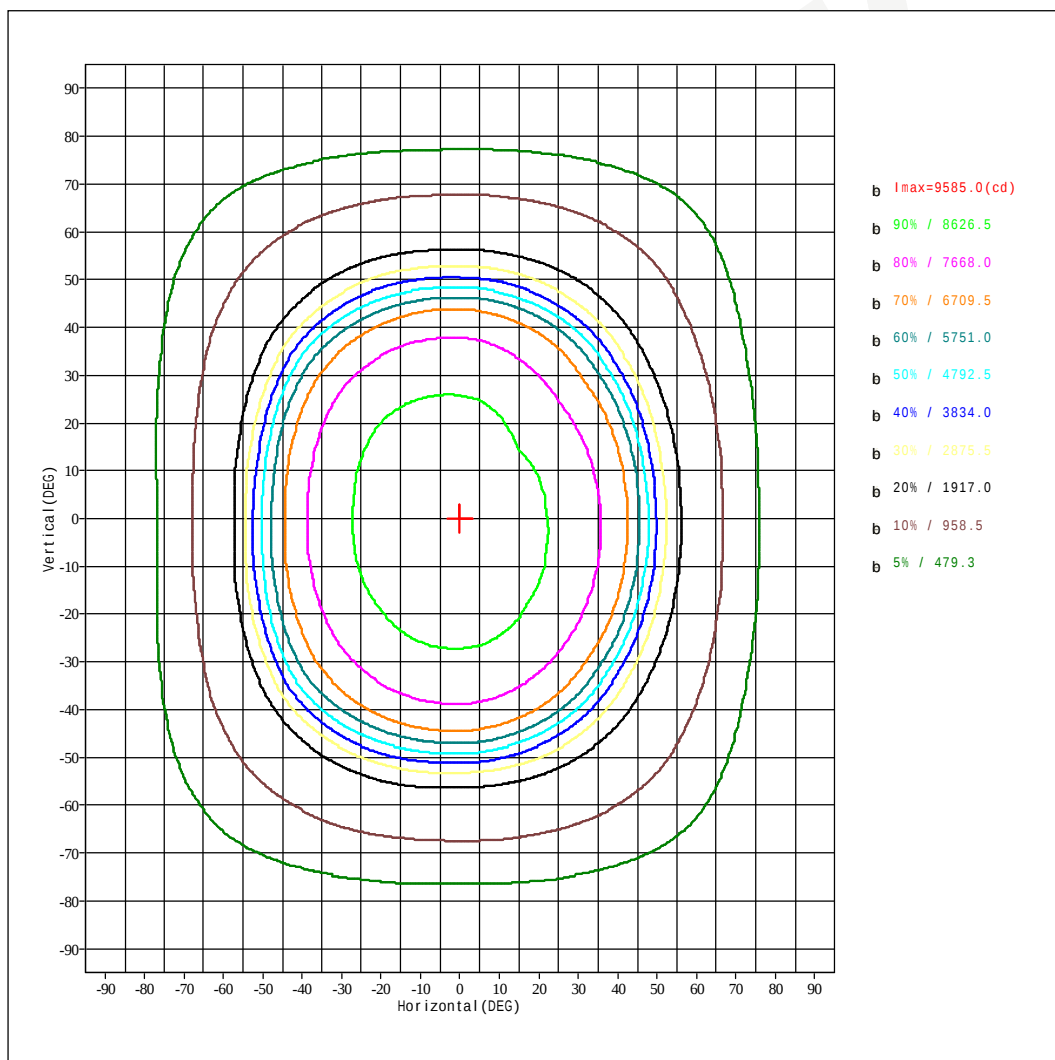
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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

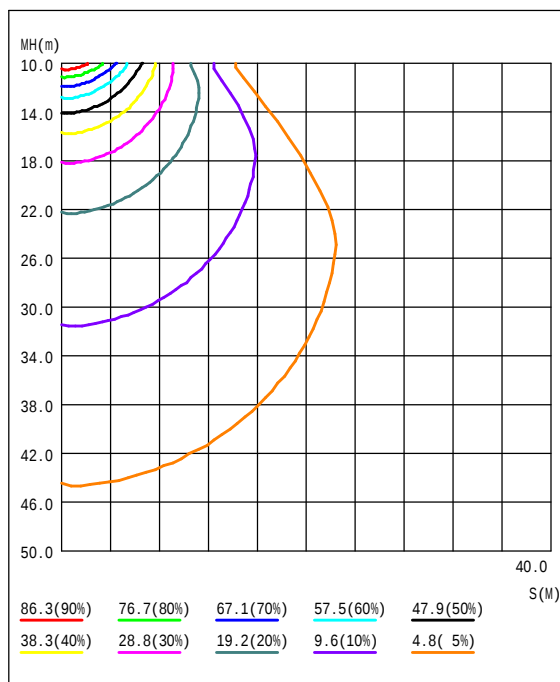
Humidity(%): 60

Date: 2026-1-25

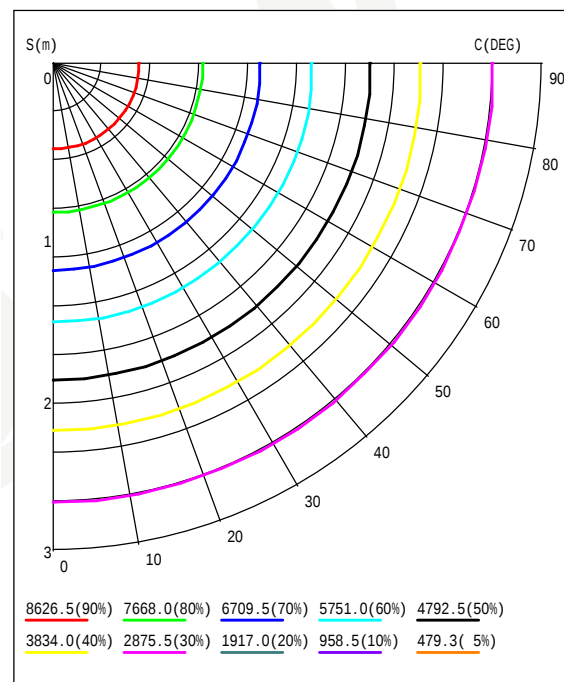
Remark:

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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: zxg

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

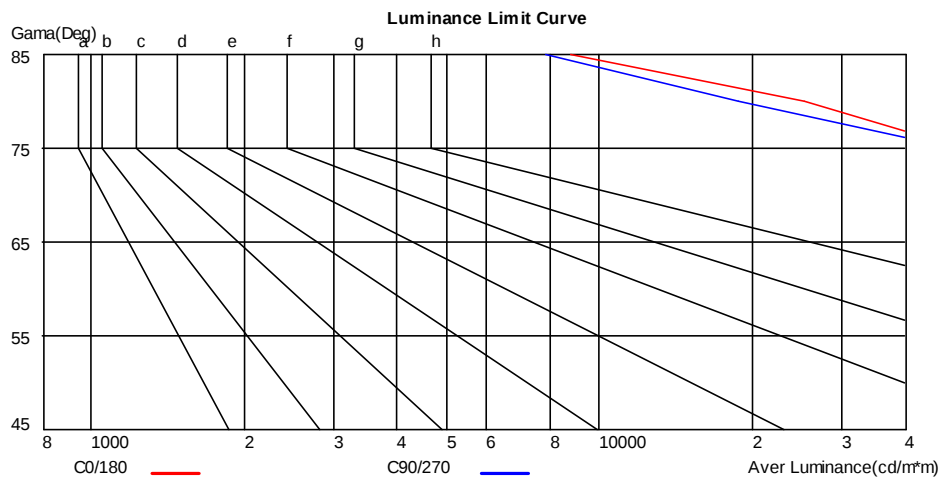
Remark:

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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	639737.6	396947.0	213324.4	142075.0	116718.5	84785.2	51585.2	25286.4	8797.0
C90	658497.3	489513.9	267599.8	143125.6	114995.7	84706.3	49744.3	18855.7	7819.9

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

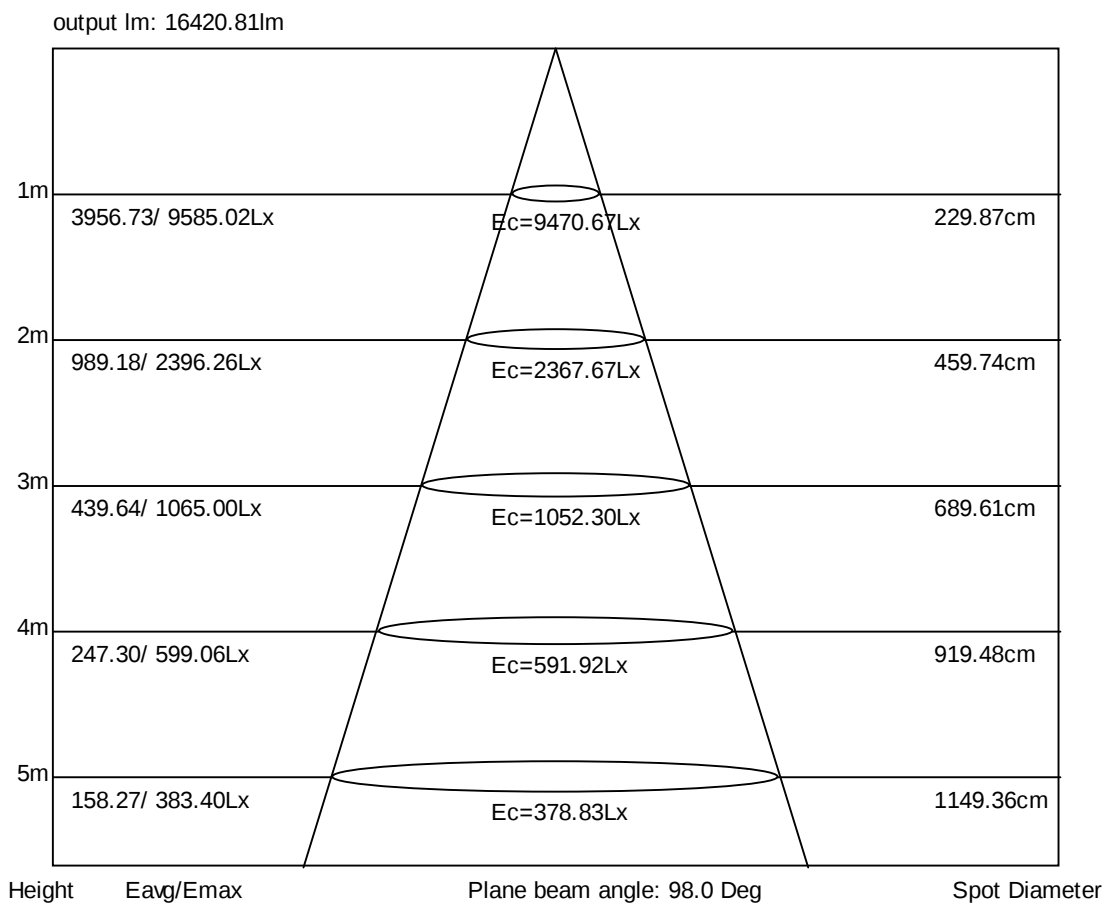
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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

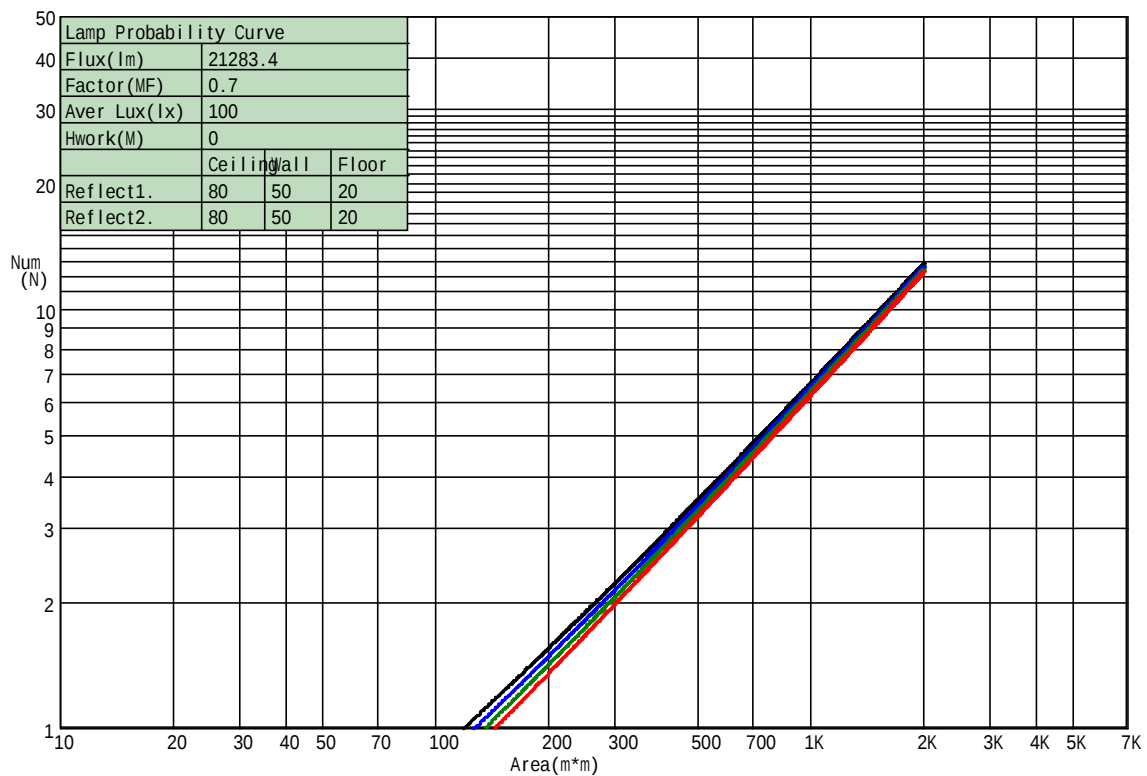
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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	60	47	39	59	46	38	56	45	38
0.80	62	46	36	60	45	36	56	44	35
1.00	63	47	35	61	45	35	56	43	34
1.25	64	47	34	61	45	33	56	42	32
1.50	65	47	33	62	45	32	56	42	31
2.00	68	49	33	64	46	32	57	42	30
2.50	69	49	33	65	46	31	57	42	29
3.00	70	50	33	65	47	31	57	42	29
4.00	71	51	33	67	48	32	58	43	29
5.00	72	52	34	68	49	32	59	43	29

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	0.93	0.92	0.9
2	0.96	0.9	0.85	0.94	0.89	0.84	0.91	0.86	0.83	0.87	0.84	0.81	0.85	0.82	0.79
3	0.86	0.79	0.73	0.84	0.78	0.73	0.82	0.76	0.72	0.79	0.74	0.7	0.77	0.73	0.69
4	0.77	0.7	0.64	0.76	0.69	0.64	0.74	0.68	0.63	0.72	0.66	0.62	0.69	0.65	0.61
5	0.7	0.62	0.56	0.69	0.61	0.56	0.67	0.6	0.55	0.65	0.59	0.55	0.63	0.58	0.54
6	0.64	0.56	0.5	0.63	0.55	0.5	0.61	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.48
7	0.58	0.5	0.44	0.57	0.5	0.44	0.56	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.43
8	0.53	0.45	0.4	0.53	0.45	0.4	0.51	0.45	0.4	0.5	0.44	0.39	0.49	0.43	0.39
9	0.49	0.41	0.36	0.48	0.41	0.36	0.47	0.41	0.36	0.46	0.4	0.36	0.45	0.4	0.36
10	0.45	0.38	0.33	0.45	0.38	0.33	0.44	0.37	0.33	0.43	0.37	0.33	0.42	0.37	0.33

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: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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	0.25	0.14	0.04	0.24	0.14	0.04	0.23	0.13	0.04	0.22	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	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03	0.2	0.11	0.03
4	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.19	0.1	0.03
5	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03
6	0.19	0.1	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
7	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02	0.16	0.08	0.02
8	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
9	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
10	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

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	0.17	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	0.13	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	0.04	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	0.12	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	0.11	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	0.05	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: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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	9542	9511	9460	9403	9575	9441	9365	9285	0-5	226	226
10	9419	9432	9395	9349	9473	9313	9229	9131	5-10	672	898
15	9239	9286	9257	9223	9316	9129	9048	8934	10-15	1098	1997
20	9023	9102	9084	9050	9107	8916	8829	8697	15-20	1496	3493
25	8744	8867	8839	8833	8844	8639	8542	8417	20-25	1856	5349
30	8411	8560	8514	8530	8517	8287	8198	8060	25-30	2164	7513
35	7996	8165	8102	8142	8102	7854	7788	7626	30-35	2409	9922
40	7479	7660	7580	7656	7588	7274	7259	7061	35-40	2575	12497
45	6397	6844	6585	6938	6646	5963	6040	5782	40-45	2591	15088
50	3969	5161	4895	5531	4357	3632	3781	3513	45-50	2187	17275
55	2133	2759	2676	3141	2131	1937	2126	1879	50-55	1432	18707
60	1421	1531	1431	1535	1418	1385	1379	1333	55-60	819	19526
65	1167	1232	1150	1212	1156	1078	1120	1047	60-65	624	20150
70	848	915	847	905	823	746	804	729	65-70	501	20651
75	516	582	497	567	485	402	472	405	70-75	344	20995
80	253	286	189	276	200	157	194	162	75-80	184	21179
85	88	108	78.2	104	66.8	52.5	61.4	53.4	80-85	73	21252
90	59	58.3	58.8	57.4	40.2	40.8	40.5	41.6	85-90	31.6	21283
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: 231.8V I: 1323.0mA P: 189.80W PF: 0.619 Test LM: 21283.38lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200B02	Lamp Spec: LPFL-200B02	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	9542	9528	9514	9494	9471	9448	9422	9422	9500	9575	9517	9456	9416	9382	9348	9311	9313	9429
10.0	9419	9425	9431	9420	9403	9385	9364	9363	9419	9473	9403	9330	9285	9247	9208	9163	9163	9293
15.0	9239	9260	9281	9276	9263	9250	9234	9233	9275	9316	9234	9150	9103	9066	9023	8972	8967	9106
20.0	9023	9057	9093	9096	9088	9077	9061	9056	9082	9107	9023	8937	8887	8848	8800	8740	8732	8880
25.0	8744	8797	8853	8858	8845	8838	8835	8834	8839	8844	8754	8661	8607	8563	8515	8458	8453	8601
30.0	8411	8476	8544	8545	8524	8518	8525	8528	8522	8517	8416	8312	8258	8217	8167	8105	8098	8257
35.0	7996	8070	8146	8144	8116	8111	8129	8138	8120	8102	7994	7881	7832	7802	7752	7679	7666	7834
40.0	7479	7558	7641	7634	7597	7596	7631	7649	7618	7588	7451	7308	7269	7262	7216	7126	7106	7296
45.0	6397	6593	6795	6759	6642	6662	6822	6906	6773	6646	6347	6038	5988	6023	5984	5867	5850	6128
50.0	3969	4491	5031	5074	4953	5034	5322	5402	4871	4357	4040	3711	3681	3748	3722	3601	3563	3770
55.0	2133	2407	2690	2732	2694	2778	2989	3031	2573	2131	2046	1958	1999	2084	2072	1960	1906	2022
60.0	1421	1469	1519	1498	1453	1454	1501	1522	1469	1418	1404	1389	1383	1380	1369	1348	1343	1382
65.0	1167	1196	1225	1205	1168	1164	1192	1206	1181	1156	1122	1087	1092	1111	1104	1071	1060	1115
70.0	848	877	907	892	862	860	886	896	859	823	789	754	765	791	788	753	742	796
75.0	516	545	575	554	516	513	544	558	521	485	449	411	425	456	457	427	417	467
80.0	253	267	282	254	210	208	248	268	233	200	181	162	169	186	187	172	172	213
85.0	88	96.6	106	98	84.6	83.7	95.2	99.5	82.9	66.8	60.5	54.1	55.4	59.4	59.6	56	57.2	72.9
90.0	59	58.7	58.4	58.4	58.7	58.5	57.8	55.5	47.7	40.2	40.5	40.7	40.7	40.6	40.8	41.3	43.5	51.4
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: 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: