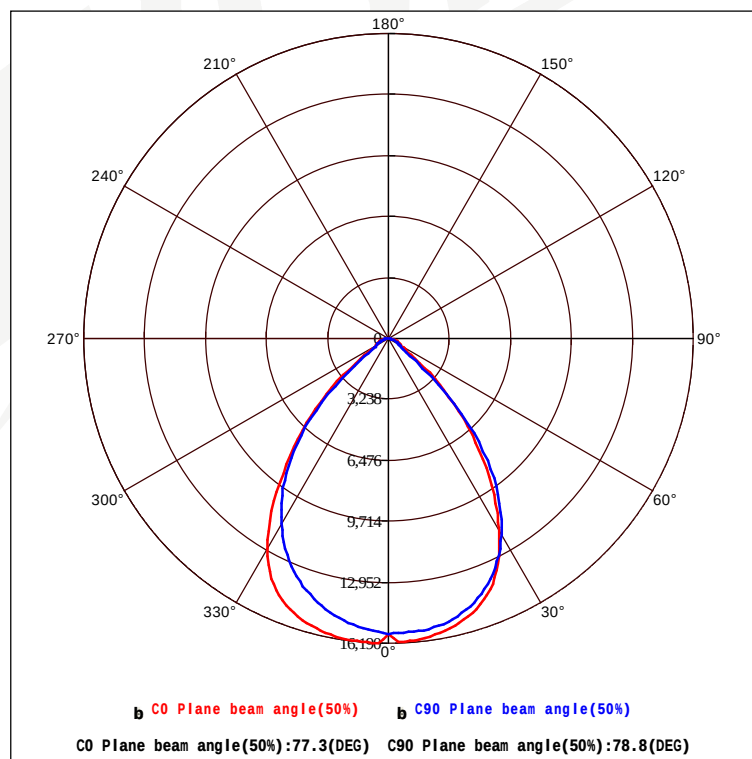


Goniophotometer Test Report

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-200BT01			Lamp Spec: LPFL-200BT01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-200BT01		Peak Value(cd)	16185.2	Efficiency(lm/w)	123.2
Nominal P(w)		1.0	Position	180.0,2.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	23819.282	Down(C0-C180)	50.9
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)	49.1

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

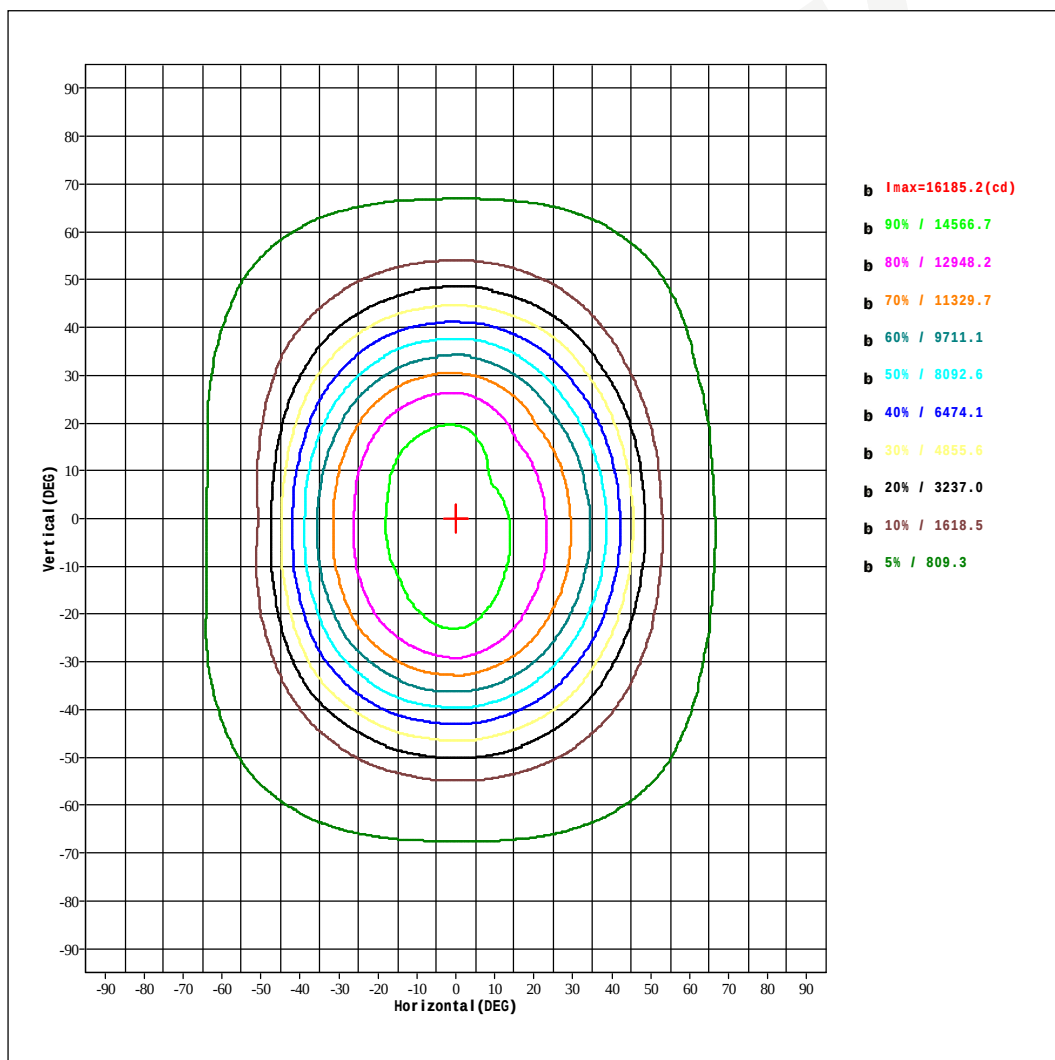
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

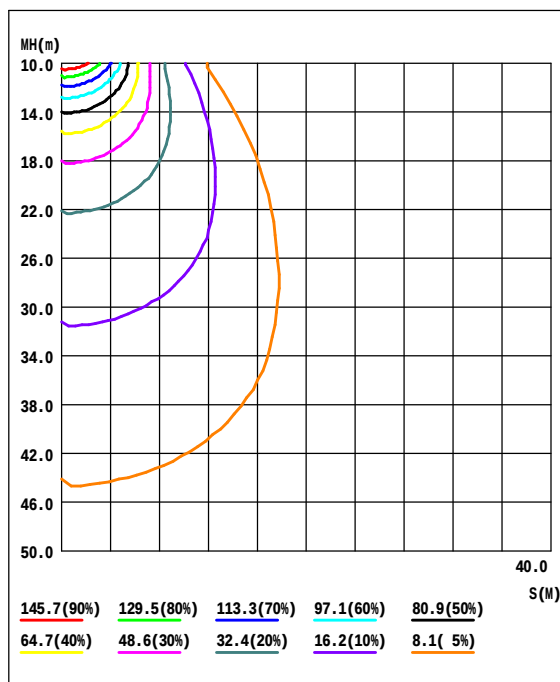
Humidity(%): 60

Date: 2026-1-28

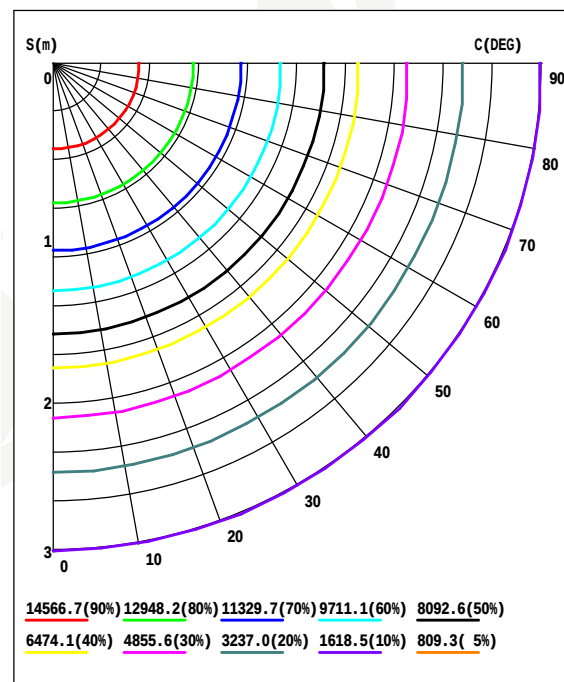
Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	Shape Size:
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: 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: 2026-1-28

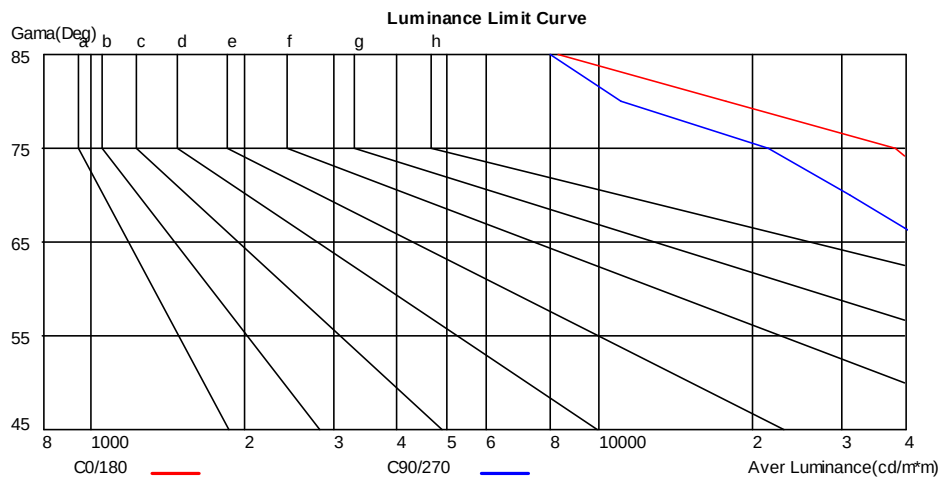
Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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	471471.6	265517.8	118239.9	78132.0	62490.7	49743.3	38402.8	17725.3	8292.3
C90	459373.0	165878.7	83110.4	64019.5	44437.6	31189.5	21510.5	11002.9	8006.6

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: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

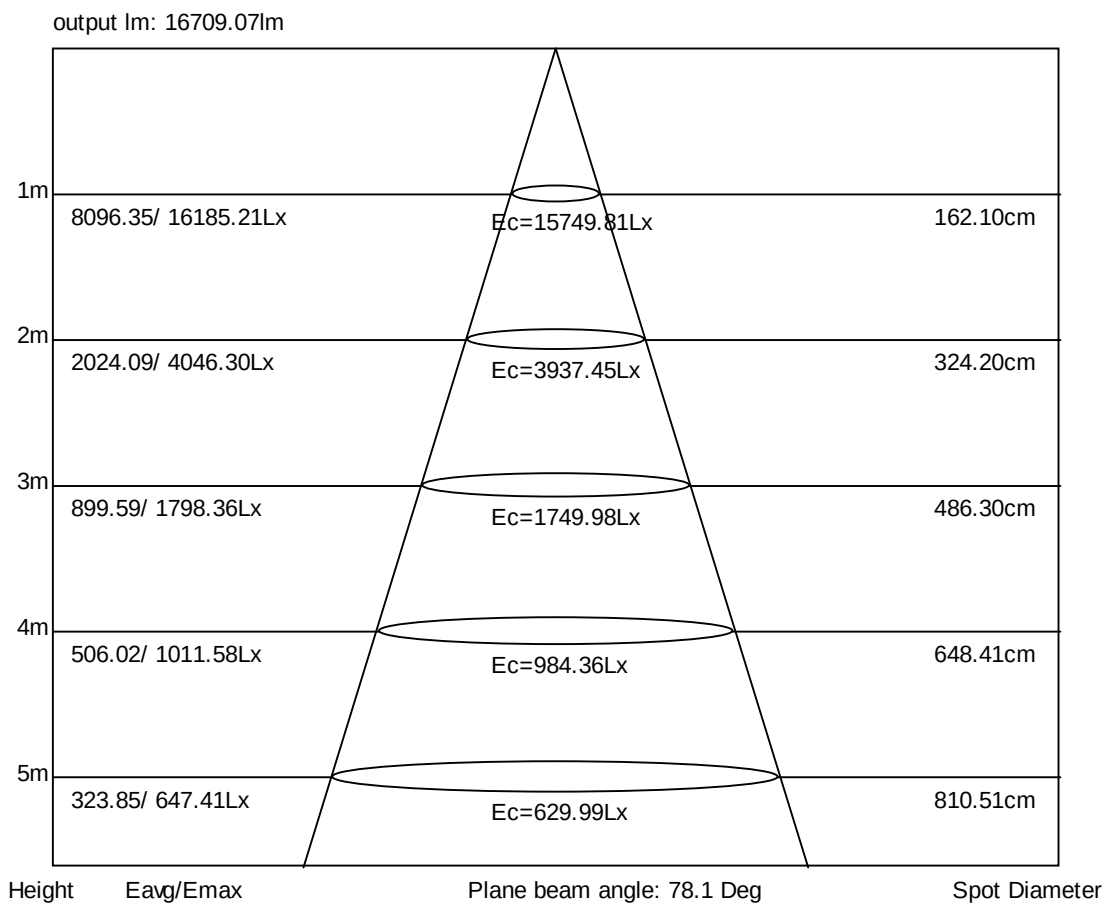
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

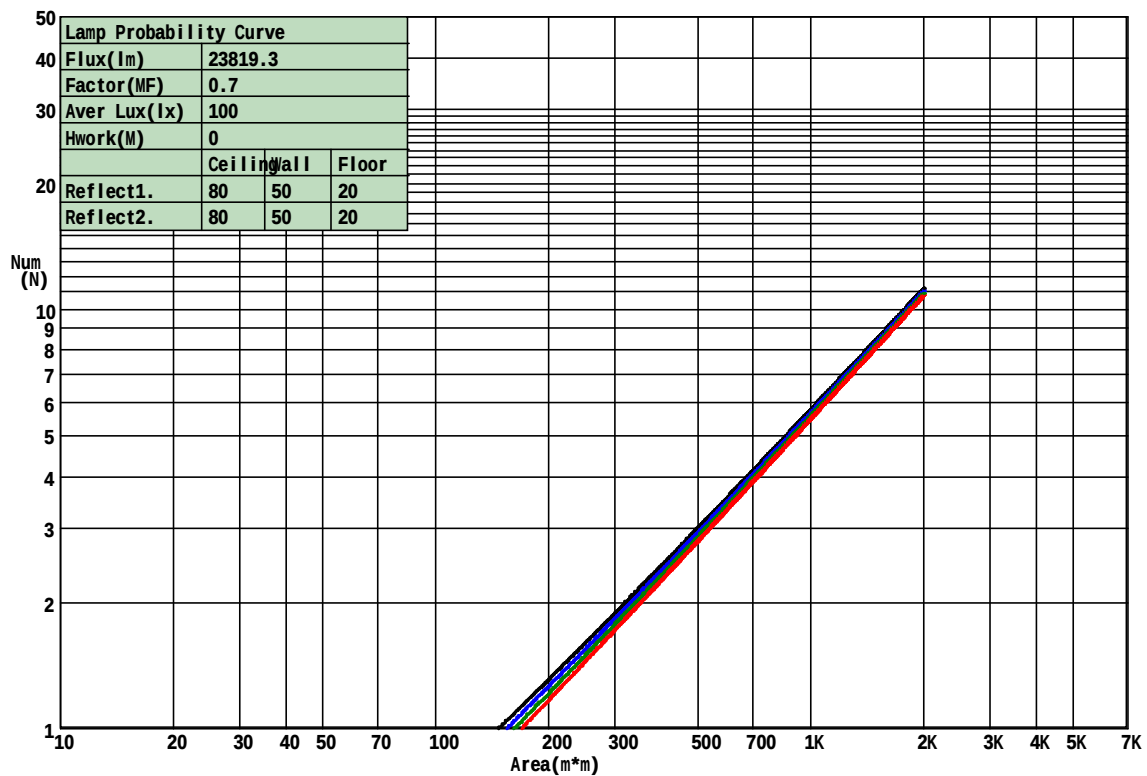
Humidity(%): 60

Date: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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: 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: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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	56	42	33	54	41	33	51	40	32
0.80	58	42	31	56	41	31	52	39	30
1.00	60	43	31	57	41	30	53	39	29
1.25	62	43	30	59	41	29	53	38	27
1.50	63	44	29	60	42	28	53	39	27
2.00	66	46	30	62	44	29	55	39	27
2.50	67	47	30	63	44	29	55	39	26
3.00	68	48	30	64	45	29	56	40	26
4.00	70	49	31	65	47	30	57	41	27
5.00	71	51	32	67	48	30	58	42	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	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1	0.98	0.99	0.97	0.95	0.95	0.94	0.93
2	0.99	0.94	0.9	0.97	0.93	0.89	0.94	0.9	0.87	0.91	0.88	0.85	0.88	0.86	0.83
3	0.91	0.85	0.8	0.89	0.84	0.79	0.86	0.82	0.78	0.84	0.8	0.76	0.81	0.78	0.75
4	0.83	0.76	0.71	0.82	0.76	0.71	0.79	0.74	0.7	0.77	0.73	0.69	0.75	0.71	0.68
5	0.76	0.69	0.64	0.75	0.69	0.64	0.73	0.68	0.63	0.72	0.66	0.63	0.7	0.65	0.62
6	0.7	0.63	0.58	0.69	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57	0.65	0.6	0.57
7	0.65	0.58	0.53	0.64	0.57	0.53	0.63	0.57	0.52	0.62	0.56	0.52	0.6	0.55	0.52
8	0.6	0.53	0.48	0.6	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48
9	0.56	0.49	0.45	0.56	0.49	0.44	0.55	0.48	0.44	0.54	0.48	0.44	0.53	0.48	0.44
10	0.52	0.46	0.41	0.52	0.45	0.41	0.51	0.45	0.41	0.5	0.45	0.41	0.49	0.44	0.41

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: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.18	0.11	0.03	0.17	0.1	0.03
2	0.21	0.11	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03	0.17	0.1	0.03
3	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	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	0.03	0.15	0.08	0.02
6	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02
7	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
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	0.14	0.07	0.02
9	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.07	0.02
10	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	0.06	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	0.09	0.08	0.07	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	0.05	0.12	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	0.08	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	0.12	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	0.09	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	0.03	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)

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: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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	16077	15841	15643	15452	16178	15720	15416	15185	0-5	376	376
10	15857	15677	15472	15389	16059	15430	15039	14844	5-10	1115	1491
15	15411	15288	15049	15125	15773	14936	14452	14280	10-15	1810	3301
20	14682	14619	14350	14623	15239	14204	13648	13458	15-20	2424	5725
25	13467	13591	13317	13802	14317	13162	12578	12309	20-25	2906	8631
30	11575	11985	11854	12505	12705	11705	11230	10749	25-30	3183	11814
35	9306	9708	9953	10531	10325	9711	9564	8749	30-35	3172	14986
40	7006	7346	7578	8175	7884	7462	7598	6671	35-40	2865	17851
45	4715	4924	4594	5776	5583	5103	5170	4332	40-45	2312	20163
50	2655	2451	1659	3132	3336	2667	2577	2131	45-50	1522	21685
55	1182	1110	831	1048	1409	1169	1004	933	50-55	732	22417
60	781	849	640	786	780	853	736	747	55-60	415	22832
65	625	632	444	641	602	655	543	570	60-65	331	23163
70	497	440	312	458	470	460	360	404	65-70	255	23417
75	384	260	215	281	372	266	262	237	70-75	185	23602
80	177	157	110	171	181	152	183	135	75-80	117	23719
85	82.9	83.4	80.1	86.2	63	75.6	94.6	66.8	80-85	61.8	23781
90	78.3	77.6	78	75.9	54.8	56.7	56.3	56.3	85-90	38.2	23819
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: 2026-1-28

Remark:

Measured Para U: 230.9V I: 1389.0mA P: 193.40W PF: 0.603 Test LM: 23819.28lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BT01	Lamp Spec: LPFL-200BT01	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	16k	16k	16k	16k	16k	16k	16k	16k	16k	16k	16k	16k	16k	15k	15k	15k	15k	16k
10.0	16k	16k	16k	16k	16k	15k	15k	15k	16k	16k	16k	15k	15k	15k	15k	15k	15k	15k
15.0	15k	15k	15k	15k	15k	15k	15k	15k	15k	16k	15k	15k	15k	15k	14k	14k	14k	15k
20.0	15k	15k	15k	15k	14k	14k	15k	15k	15k	15k	15k	14k	14k	14k	14k	14k	14k	14k
25.0	13k	14k	14k	14k	13k	13k	14k	14k	14k	14k	14k	13k	13k	13k	13k	12k	12k	13k
30.0	12k	12k	12k	12k	12k	12k	12k	13k	13k	13k	12k	12k	12k	11k	11k	11k	11k	11k
35.0	9306	9482	9664	9788	9899	10k	10k	11k	10k	10k	10k	9778	9663	9596	9386	9016	8810	9062
40.0	7006	7155	7309	7422	7527	7709	7979	8144	8012	7884	7700	7508	7507	7568	7395	6975	6708	6859
45.0	4715	4806	4901	4816	4666	4852	5388	5755	5667	5583	5373	5156	5125	5155	4986	4607	4374	4547
50.0	2655	2566	2473	2191	1832	1981	2649	3154	3247	3336	3044	2741	2638	2597	2479	2278	2189	2426
55.0	1182	1151	1118	1019	892	878	977	1087	1251	1409	1304	1196	1115	1040	988	956	961	1073
60.0	781	811	842	781	686	672	738	785	783	780	812	845	815	762	738	743	750	766
65.0	625	628	631	570	485	487	577	637	619	602	626	650	618	567	549	561	576	601
70.0	497	473	447	398	340	344	410	460	465	470	465	461	427	382	370	390	415	457
75.0	384	330	273	245	225	229	259	291	332	372	326	278	265	263	256	245	253	320
80.0	177	168	159	141	120	123	151	172	177	181	168	155	162	176	172	150	139	159
85.0	82.9	83.1	83.4	82.3	80.8	81.4	84.2	83.6	73.1	63	68.5	74.2	81.8	90.5	88.5	75.9	68.5	75.9
90.0	78.3	78	77.7	77.8	77.9	77.6	76.6	73.6	64	54.8	55.7	56.5	56.6	56.4	56.3	56.3	58.7	68.7
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: 2026-1-28

Remark: