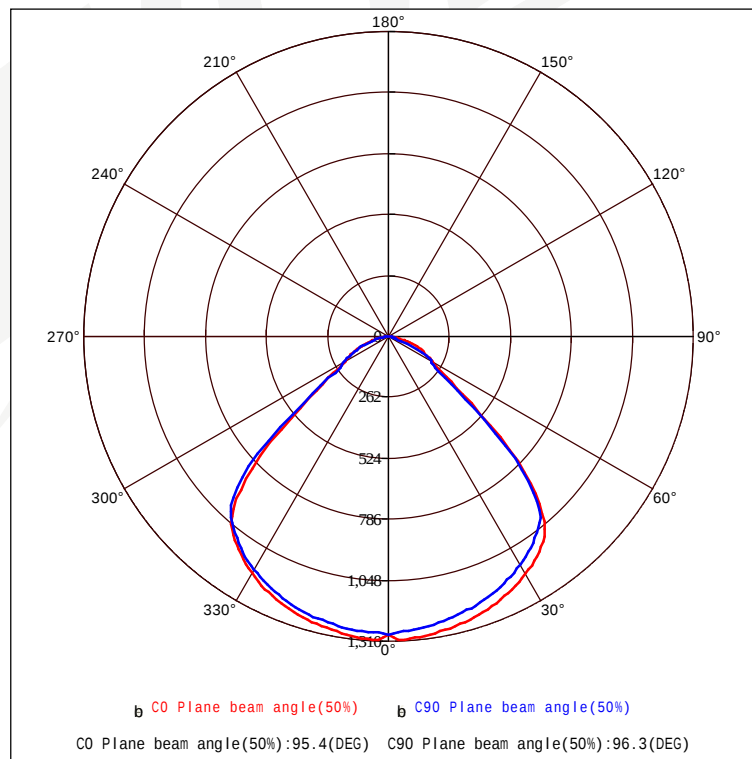


Goniophotometer Test Report

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-30B02			Lamp Spec: LPFL-30B02		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-30B02		Peak Value(cd)	1304.9	Efficiency(lm/w)	97.5
Nominal P(w)		1.0	Position	0.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	2847.339	Down(C0-C180)	50.0
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)	50.0

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

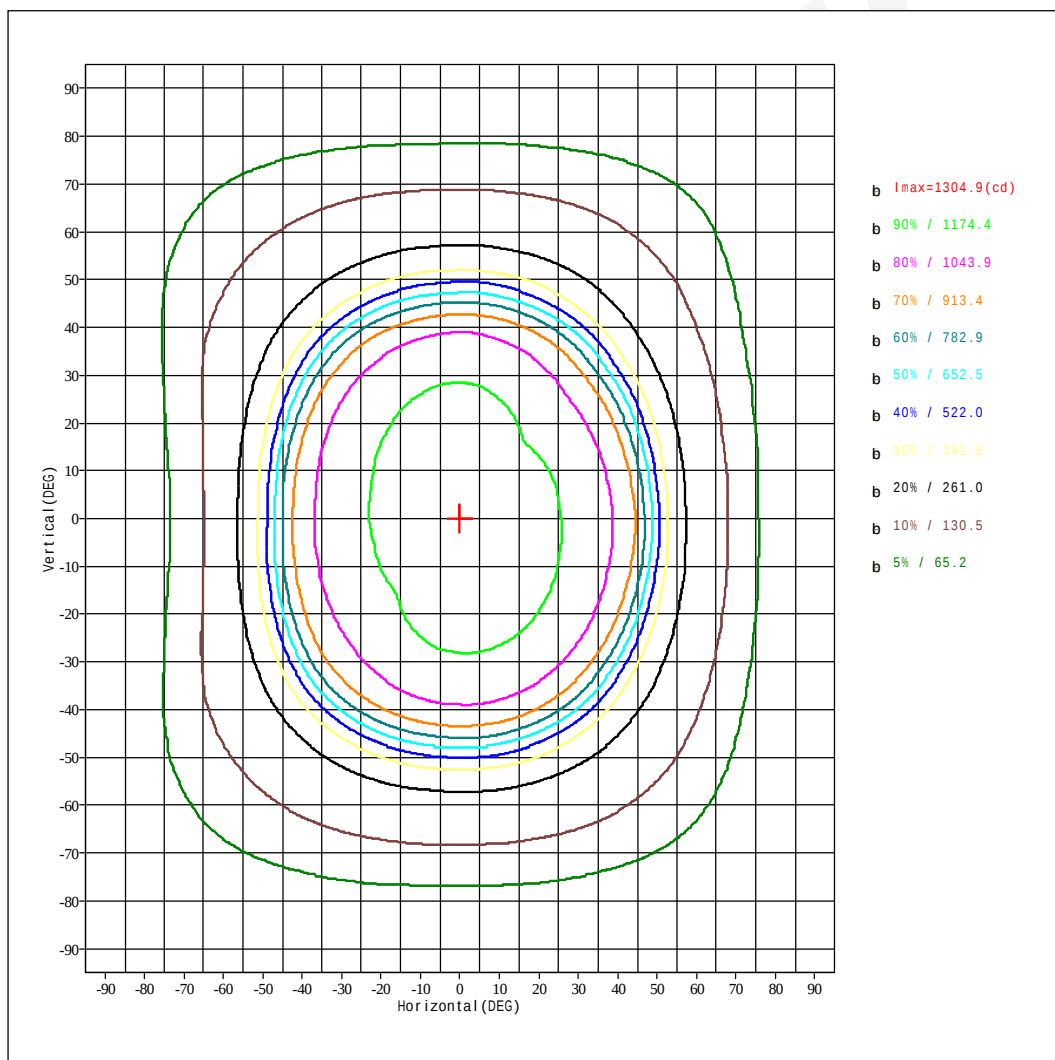
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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

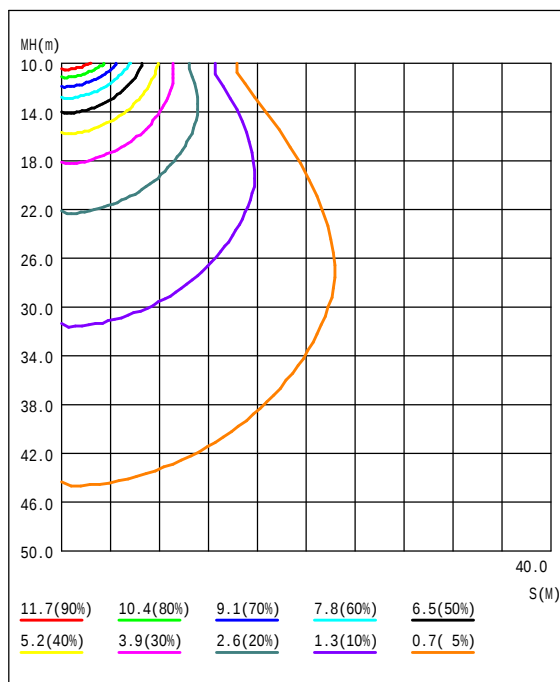
Humidity(%): 60

Date: 2026-1-25

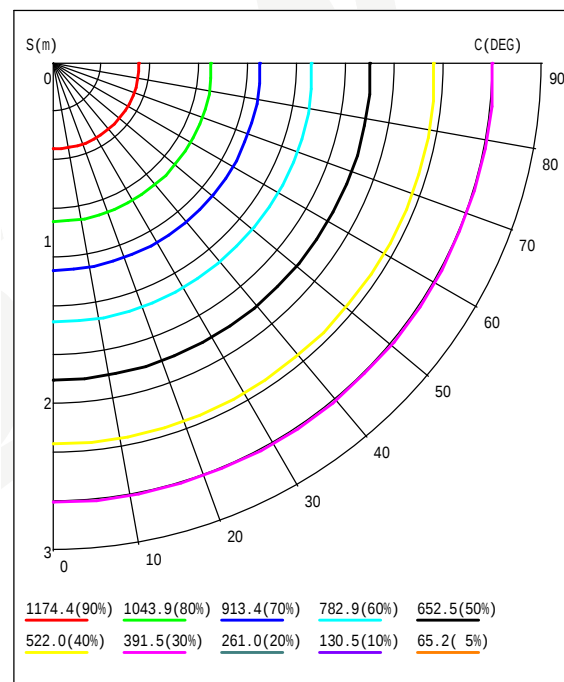
Remark:

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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

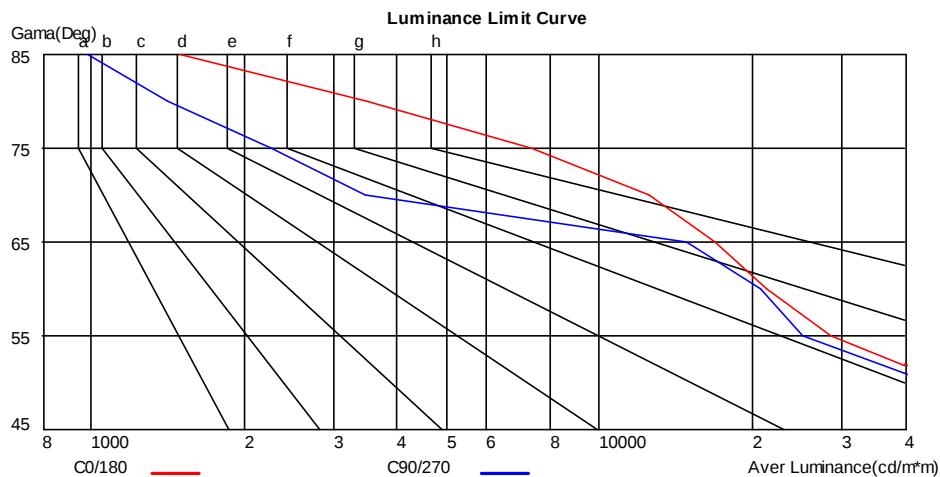
Remark:

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	Shape Size:
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	80186.1	48620.7	28663.0	21373.3	16966.7	12511.7	7383.3	3479.0	1500.4
C90	78772.4	44983.5	25247.3	20770.6	14921.0	3458.9	2256.0	1412.7	984.9

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

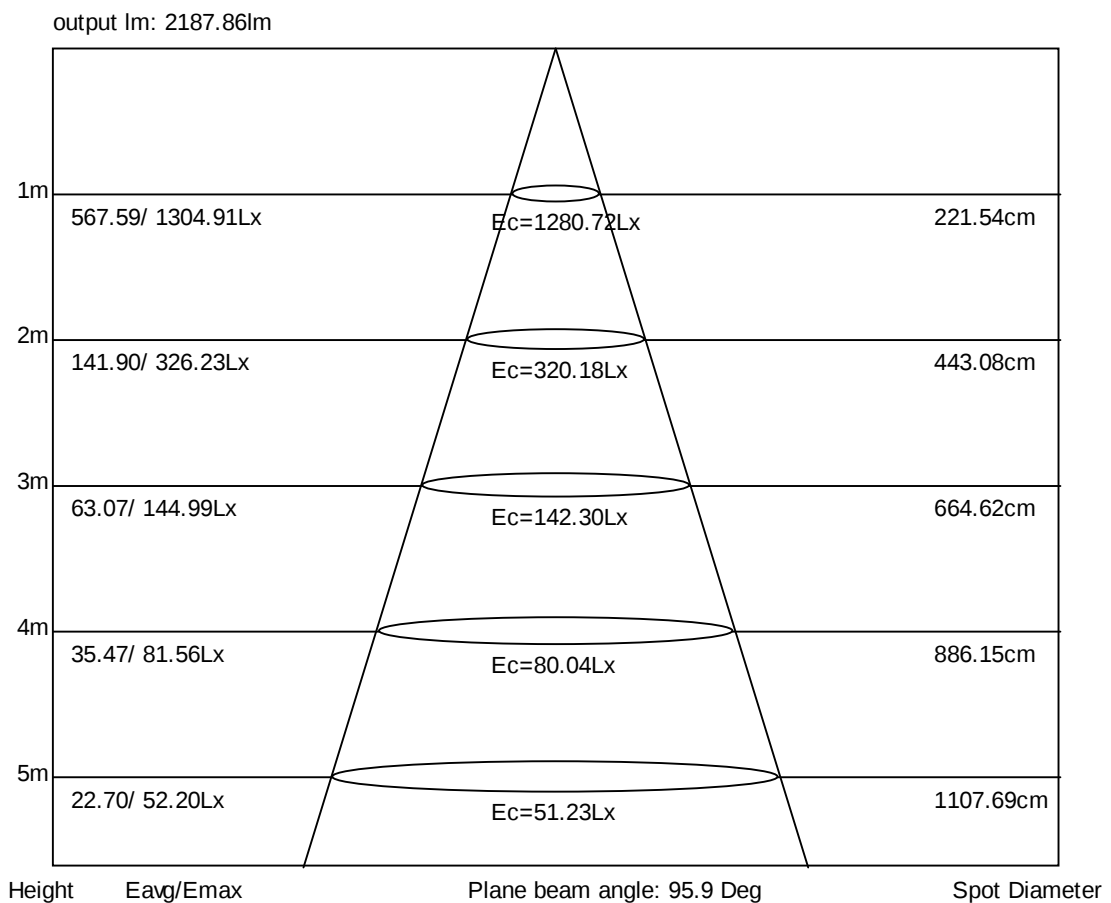
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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

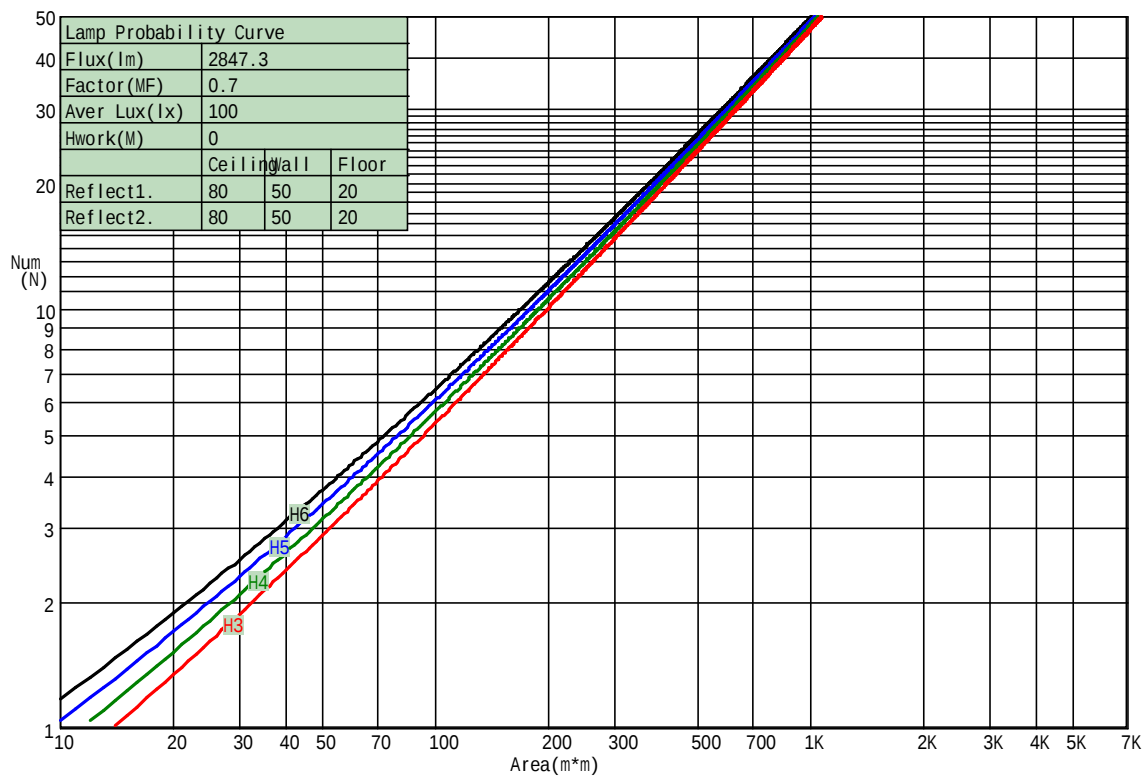
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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	38	58	46	38	56	45	38
0.80	62	46	36	59	45	36	56	43	35
1.00	63	47	35	61	45	35	56	43	34
1.25	64	47	34	62	45	33	56	42	32
1.50	66	47	33	62	45	33	56	42	31
2.00	68	49	34	64	46	32	57	42	30
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	65	47	32	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	0.86	0.94	0.89	0.85	0.91	0.86	0.83	0.88	0.84	0.81	0.85	0.82	0.79
3	0.86	0.79	0.74	0.85	0.78	0.73	0.82	0.76	0.72	0.79	0.75	0.71	0.77	0.73	0.7
4	0.78	0.7	0.64	0.76	0.69	0.64	0.74	0.68	0.63	0.72	0.66	0.62	0.7	0.65	0.61
5	0.7	0.62	0.57	0.69	0.62	0.56	0.67	0.61	0.56	0.65	0.6	0.55	0.64	0.59	0.55
6	0.64	0.56	0.5	0.63	0.55	0.5	0.61	0.55	0.5	0.6	0.54	0.49	0.58	0.53	0.49
7	0.58	0.5	0.45	0.58	0.5	0.45	0.56	0.49	0.44	0.55	0.49	0.44	0.53	0.48	0.44
8	0.54	0.46	0.4	0.53	0.45	0.4	0.52	0.45	0.4	0.5	0.44	0.4	0.49	0.44	0.4
9	0.49	0.42	0.37	0.49	0.41	0.37	0.48	0.41	0.36	0.47	0.41	0.36	0.46	0.4	0.36
10	0.46	0.38	0.33	0.45	0.38	0.33	0.44	0.38	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: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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	0.21	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	0.23	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	0.11	0.03	0.19	0.1	0.03	0.18	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	0.02	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	0.14	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: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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	1300	1278	1265	1256	1301	1284	1273	1256	0-5	30.6	30.6
10	1286	1264	1247	1242	1286	1272	1260	1242	5-10	90.8	121
15	1269	1244	1226	1221	1268	1255	1246	1225	10-15	149	270
20	1245	1219	1202	1197	1244	1231	1222	1200	15-20	203	473
25	1213	1187	1169	1166	1212	1202	1191	1169	20-25	253	726
30	1173	1148	1128	1128	1169	1162	1153	1127	25-30	296	1022
35	1123	1099	1078	1082	1114	1107	1102	1076	30-35	331	1352
40	1026	1017	1005	1017	1041	1029	1037	988	35-40	355	1707
45	802	832	788	876	844	852	900	786	40-45	347	2054
50	486	519	450	575	517	523	567	455	45-50	273	2327
55	287	294	252	316	299	286	296	258	50-55	167	2494
60	214	215	208	216	207	214	214	204	55-60	111	2605
65	170	179	149	182	165	164	163	157	60-65	92.5	2697
70	125	133	34.6	134	118	106	113	98.1	65-70	68.2	2765
75	73.8	83.6	22.6	80.9	67.5	53.5	59.5	51.9	70-75	43.7	2809
80	34.8	41.4	14.1	40.1	27.7	20.6	22.9	19.6	75-80	23.2	2832
85	15	17.4	9.85	17.2	11	8.66	9.57	8.64	80-85	9.94	2842
90	10.2	10.4	9.19	10.1	5.6	5.39	5.43	5.54	85-90	5.15	2847
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: 236.4V I: 206.0mA P: 29.20W PF: 0.597 Test LM: 2847.34lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30B02	Lamp Spec: LPFL-30B02	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	1300	1291	1281	1274	1268	1263	1259	1261	1281	1301	1294	1286	1280	1275	1269	1262	1261	1281
10.0	1286	1276	1266	1258	1251	1246	1243	1246	1267	1286	1280	1274	1268	1263	1256	1248	1247	1267
15.0	1269	1258	1247	1238	1230	1225	1223	1226	1248	1268	1262	1256	1252	1248	1241	1232	1229	1250
20.0	1245	1234	1222	1213	1206	1201	1199	1202	1224	1244	1239	1233	1228	1224	1218	1208	1205	1226
25.0	1213	1202	1190	1181	1173	1168	1167	1171	1192	1212	1207	1203	1198	1194	1186	1176	1174	1194
30.0	1173	1162	1150	1141	1132	1128	1128	1133	1152	1169	1166	1163	1159	1155	1147	1135	1132	1153
35.0	1123	1112	1102	1092	1083	1079	1081	1085	1100	1114	1111	1108	1105	1103	1096	1084	1081	1102
40.0	1026	1022	1018	1013	1008	1008	1013	1020	1031	1041	1036	1031	1032	1035	1026	1004	992	1009
45.0	802	815	829	818	797	807	847	872	858	844	847	851	868	889	875	823	788	795
50.0	486	501	516	496	465	477	534	568	542	517	520	523	538	558	543	492	459	473
55.0	287	290	293	280	262	266	295	314	306	299	293	288	289	293	287	270	261	274
60.0	214	214	215	213	209	209	213	215	211	207	210	213	214	214	211	207	205	210
65.0	170	174	178	170	156	156	172	181	173	165	165	164	164	163	162	159	158	164
70.0	125	129	132	101	56.1	56.3	101	132	125	118	112	107	108	112	110	103	101	113
75.0	73.8	78.1	82.5	63.6	35.9	35.3	61.7	79.4	73.4	67.5	61.4	55	55.5	58.2	57.9	54.4	54.3	64.2
80.0	34.8	37.7	40.7	32.5	20.1	19.8	31.6	38.7	33.1	27.7	24.6	21.4	21.3	22.4	22.2	20.7	21.3	28.1
85.0	15	16.1	17.2	14.9	11.5	11.4	14.8	16.5	13.7	11	9.97	8.91	8.96	9.37	9.37	8.94	9.33	12.2
90.0	10.2	10.3	10.4	10	9.46	9.38	9.78	9.58	7.55	5.6	5.51	5.42	5.41	5.42	5.45	5.5	6.05	8.18
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: 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: