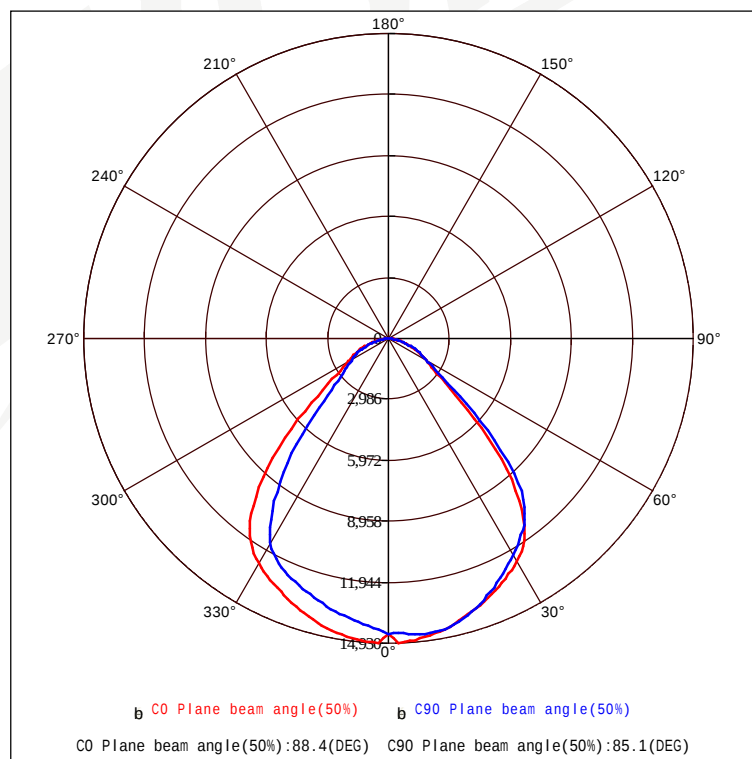


Goniophotometer Test Report

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-300B02			Lamp Spec: LPFL-300B02		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-300B02		Peak Value(cd)	14929.3	Efficiency(lm/w)	97.9
Nominal P(w)		1.0	Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	27800.472	Down(C0-C180)	53.2
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)	46.8

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

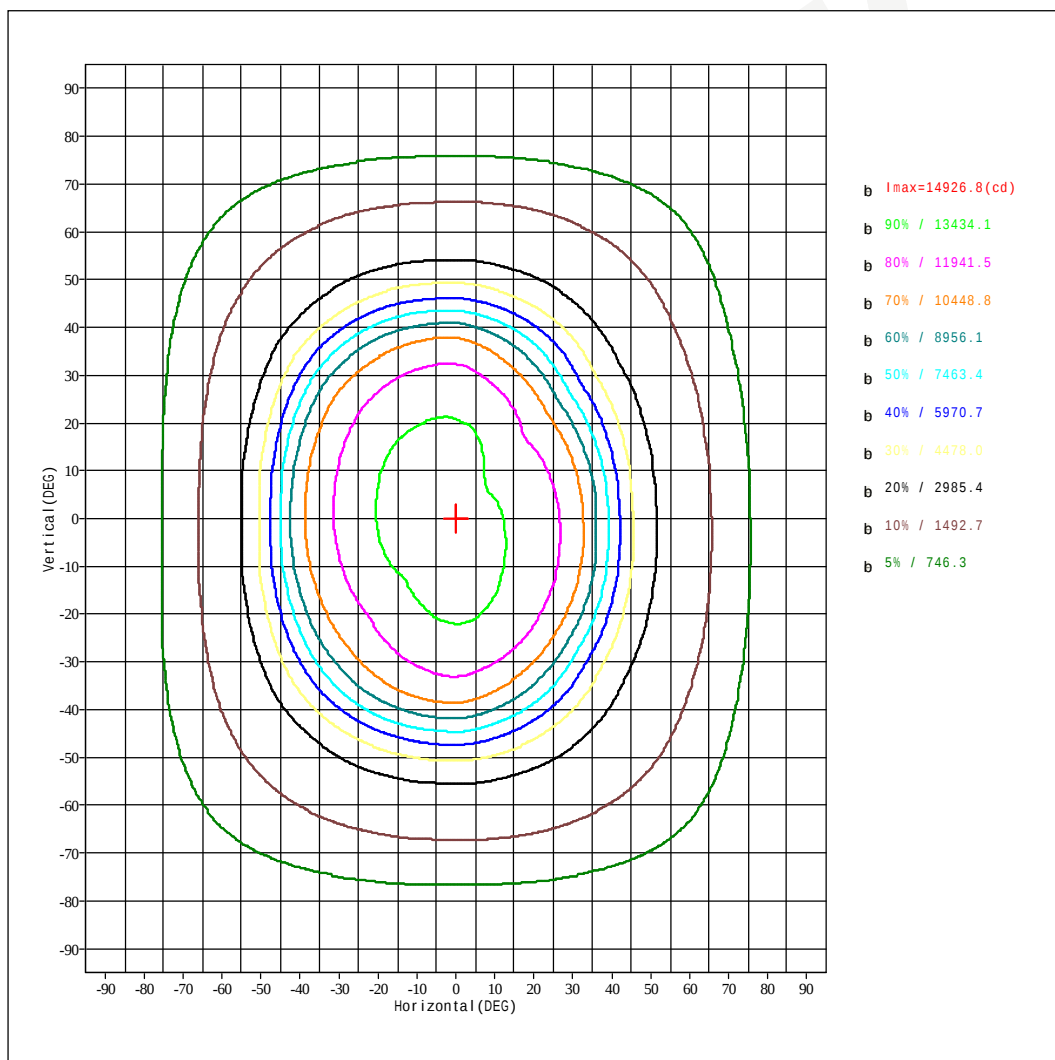
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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

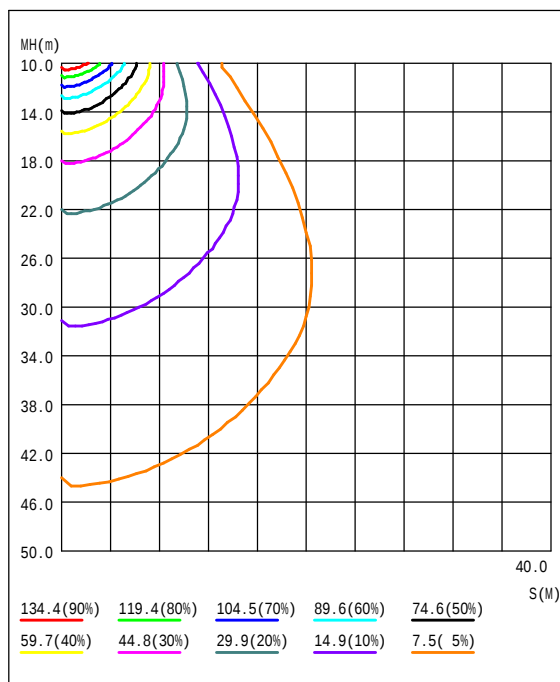
Humidity(%): 60

Date: 2026-1-25

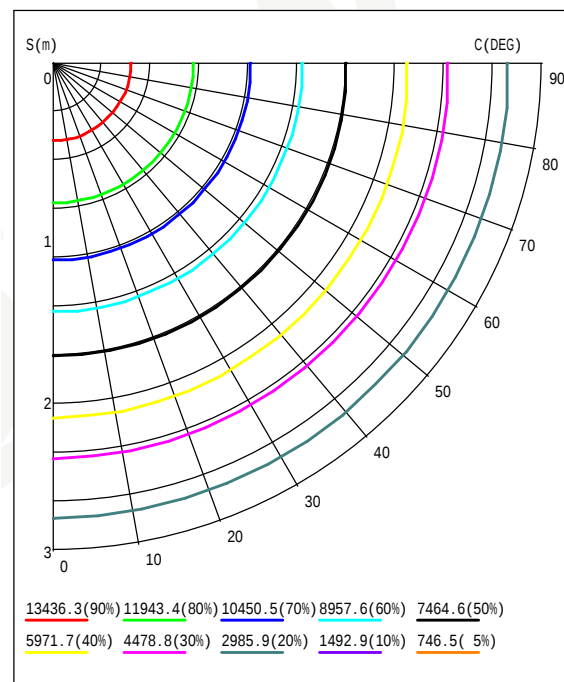
Remark:

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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: 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

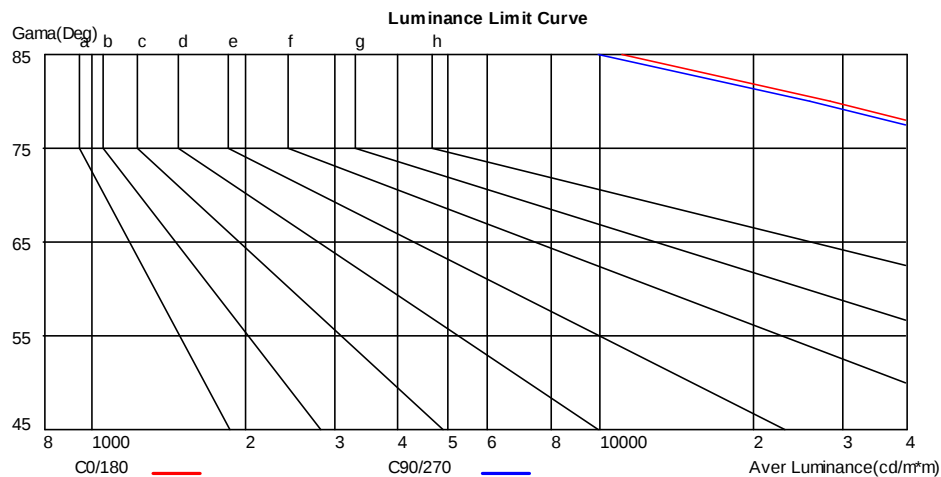
Remark:

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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	661698.0	406843.6	260312.5	210394.2	166238.9	115663.5	65721.3	28476.8	11029.4
C90	750128.8	475628.8	282912.8	206452.7	162282.6	111589.7	63041.0	25895.0	9898.5

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

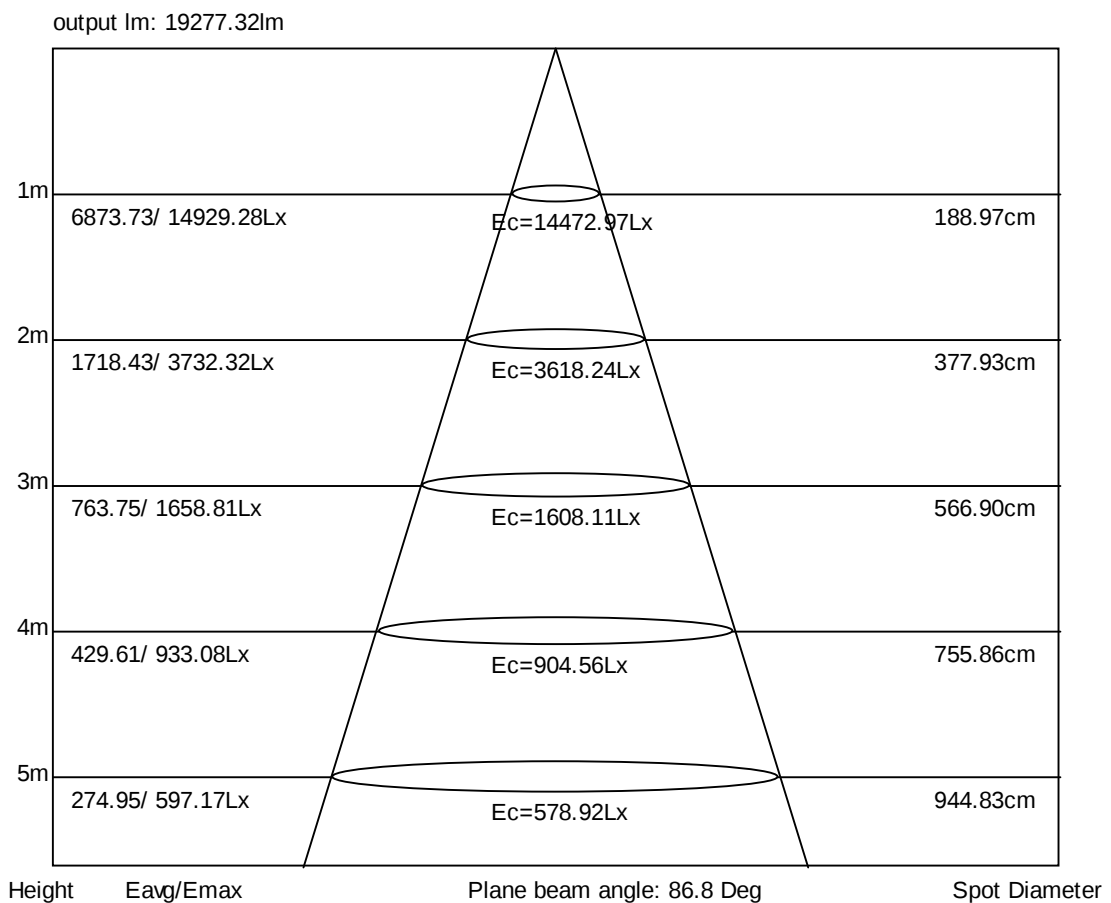
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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

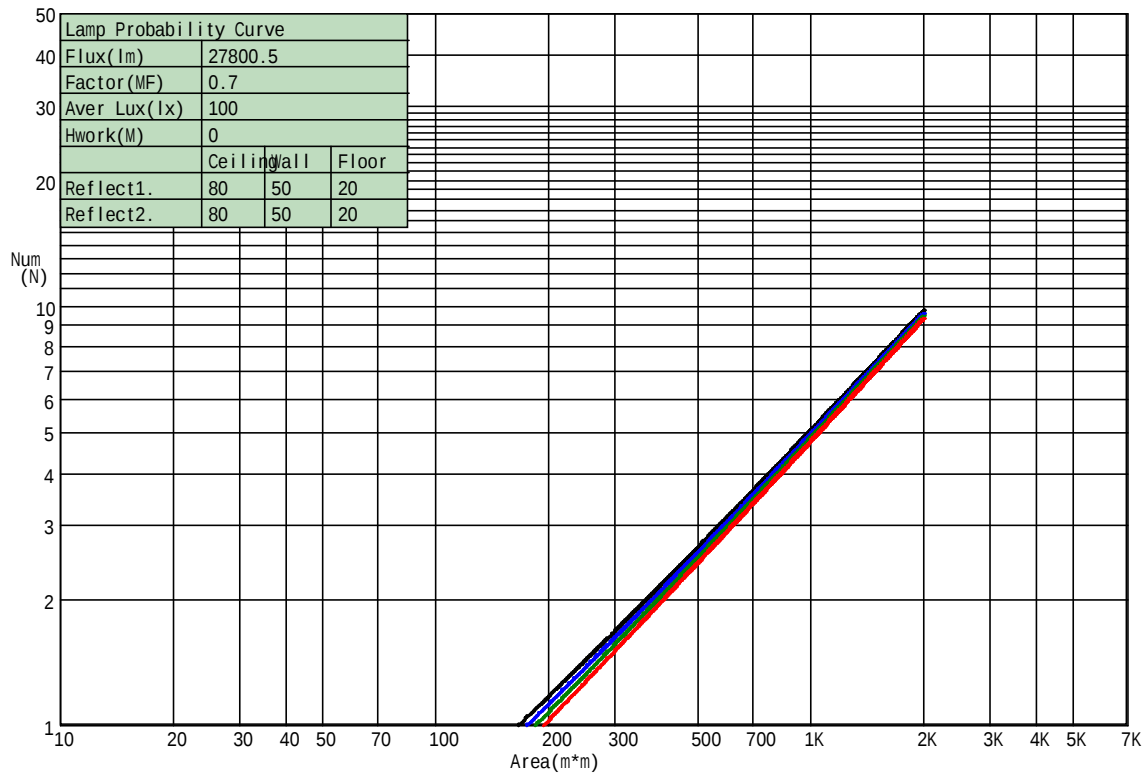
Humidity(%): 60

Date: 2026-1-25

Remark:

Measured Para U: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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	44	36	56	44	35	54	42	35
0.80	60	44	34	58	43	34	54	42	33
1.00	62	45	34	59	44	33	55	42	32
1.25	64	46	33	61	44	32	55	41	30
1.50	65	46	32	62	45	31	56	41	30
2.00	67	48	33	63	46	31	56	42	29
2.50	68	48	32	64	46	31	57	41	28
3.00	69	49	32	65	47	31	57	41	28
4.00	71	51	33	66	48	31	58	42	28
5.00	72	52	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	1.07	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	0.91
2	0.96	0.91	0.86	0.95	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	0.75	0.85	0.79	0.74	0.82	0.77	0.73	0.8	0.75	0.72	0.77	0.74	0.7
4	0.79	0.71	0.65	0.77	0.7	0.65	0.75	0.69	0.64	0.73	0.68	0.63	0.71	0.66	0.63
5	0.71	0.64	0.58	0.7	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57	0.65	0.6	0.56
6	0.65	0.57	0.52	0.64	0.57	0.52	0.63	0.56	0.51	0.61	0.55	0.51	0.6	0.54	0.5
7	0.6	0.52	0.47	0.59	0.52	0.46	0.58	0.51	0.46	0.56	0.5	0.46	0.55	0.5	0.46
8	0.55	0.47	0.42	0.54	0.47	0.42	0.53	0.47	0.42	0.52	0.46	0.42	0.51	0.46	0.41
9	0.51	0.44	0.39	0.5	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.38	0.47	0.42	0.38
10	0.47	0.4	0.35	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.35	0.44	0.39	0.35

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: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04
2	0.23	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	0.2	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	0.17	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.15	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	0.15	0.08	0.02	0.15	0.07	0.02	0.14	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	0.09	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: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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	14815	14663	14568	14243	14840	14296	14022	13735	0-5	345	345
10	14529	14543	14518	14162	14599	13959	13654	13349	5-10	1022	1367
15	14129	14208	14157	13803	14226	13569	13256	12927	10-15	1658	3025
20	13656	13693	13570	13248	13758	13147	12824	12504	15-20	2231	5256
25	13138	13098	12884	12630	13238	12676	12336	11991	20-25	2732	7987
30	12533	12421	12164	11944	12636	11869	11419	11005	25-30	3136	11124
35	11502	11621	11380	11152	11686	10176	9530	9086	30-35	3362	14485
40	9457	10275	10117	9825	9885	7739	7120	6725	35-40	3292	17777
45	6617	7916	7501	7602	7332	5260	4599	4565	40-45	2839	20616
50	4068	5174	4756	5206	4691	3435	3146	3056	45-50	2120	22736
55	2603	3087	2829	3206	2983	2468	2395	2303	50-55	1474	24210
60	2104	2179	2065	2185	2190	2039	2006	1884	55-60	1091	25301
65	1662	1715	1623	1726	1750	1622	1630	1464	60-65	908	26209
70	1157	1213	1116	1252	1276	1142	1168	991	65-70	714	26923
75	657	702	630	753	765	653	703	544	70-75	478	27402
80	285	317	259	359	345	278	324	214	75-80	254	27655
85	110	121	99	136	111	92	106	74.6	80-85	101	27756
90	83.5	78.1	77.1	75.5	56.7	59.9	55	54.6	85-90	44.5	27800
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: 227.2V I: 1897.0mA P: 284.10W PF: 0.659 Test LM: 27800.47lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-300B02	Lamp Spec: LPFL-300B02	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	15k	15k	15k	15k	15k	14k	14k	14k	15k	15k	15k	14k	14k	14k	14k	14k	14k	14k
10.0	15k	15k	15k	15k	15k	14k	14k	14k	14k	15k	14k	14k	14k	14k	14k	13k	13k	14k
15.0	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	14k	13k	13k	13k	13k	13k	14k
20.0	14k	14k	14k	14k	14k	14k	13k	13k	14k	14k	13k	13k	13k	13k	13k	13k	13k	13k
25.0	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	12k	12k	12k	12k	13k
30.0	13k	12k	12k	12k	12k	12k	12k	12k	12k	13k	12k	12k	12k	12k	11k	11k	11k	12k
35.0	12k	12k	12k	12k	11k	11k	11k	11k	11k	12k	11k	10k	9964	9672	9433	9232	9350	10k
40.0	9457	9815	10k	10k	10k	10k	9921	9832	9859	9885	8946	7974	7536	7255	7033	6854	7024	8262
45.0	6617	7185	7774	7780	7592	7523	7569	7573	7450	7332	6426	5487	5044	4744	4592	4576	4789	5719
50.0	4068	4552	5053	5037	4848	4855	5058	5149	4916	4691	4141	3573	3340	3209	3126	3086	3167	3626
55.0	2603	2815	3034	3002	2886	2912	3083	3182	3081	2983	2758	2525	2444	2411	2375	2333	2336	2472
60.0	2104	2137	2171	2141	2090	2091	2146	2186	2188	2190	2124	2055	2028	2013	1979	1924	1908	2008
65.0	1662	1685	1709	1685	1643	1645	1692	1728	1740	1750	1694	1636	1625	1628	1594	1518	1485	1575
70.0	1157	1181	1206	1181	1137	1146	1207	1254	1265	1276	1217	1157	1151	1162	1129	1049	1009	1084
75.0	657	677	697	679	646	657	713	755	760	765	716	666	670	692	668	596	556	608
80.0	285	299	314	298	272	281	326	357	351	345	315	285	293	314	300	250	222	254
85.0	110	115	119	114	104	107	124	134	122	111	103	94.1	96.4	103	98.8	84.8	78.5	94.7
90.0	83.5	81.1	78.7	77.8	77.4	76.8	76	73.4	64.9	56.7	58.1	59.5	58.3	56	54.9	54.7	57.8	70.8
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: