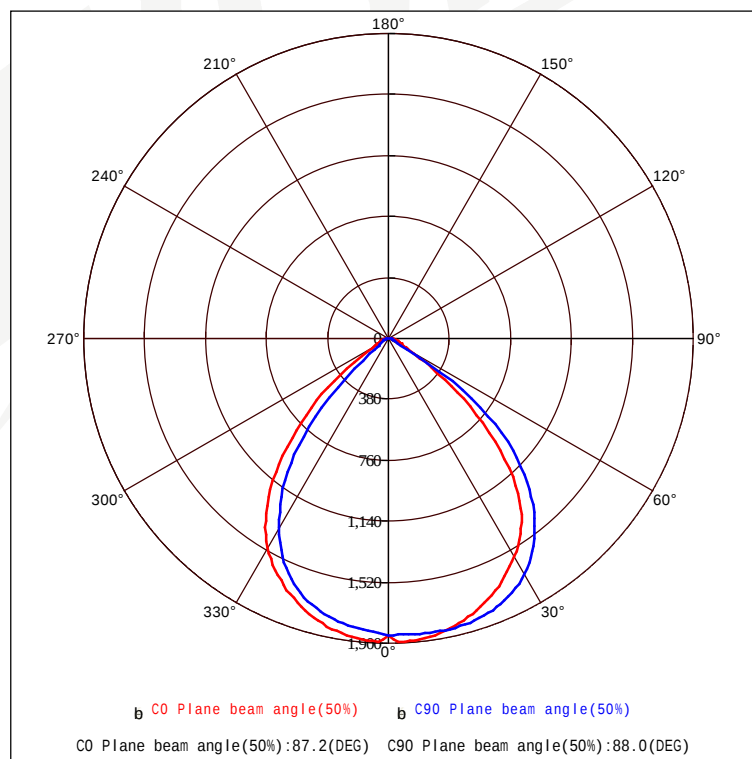


Goniophotometer Test Report

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-30BW01			Lamp Spec: LPFL-30BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-30BW01		Peak Value(cd)	1893.3	Efficiency(lm/w)	110.4
Nominal P(w)		30.0	Position	0.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	3277.519	Down(C0-C180)	57.6
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)	42.4

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

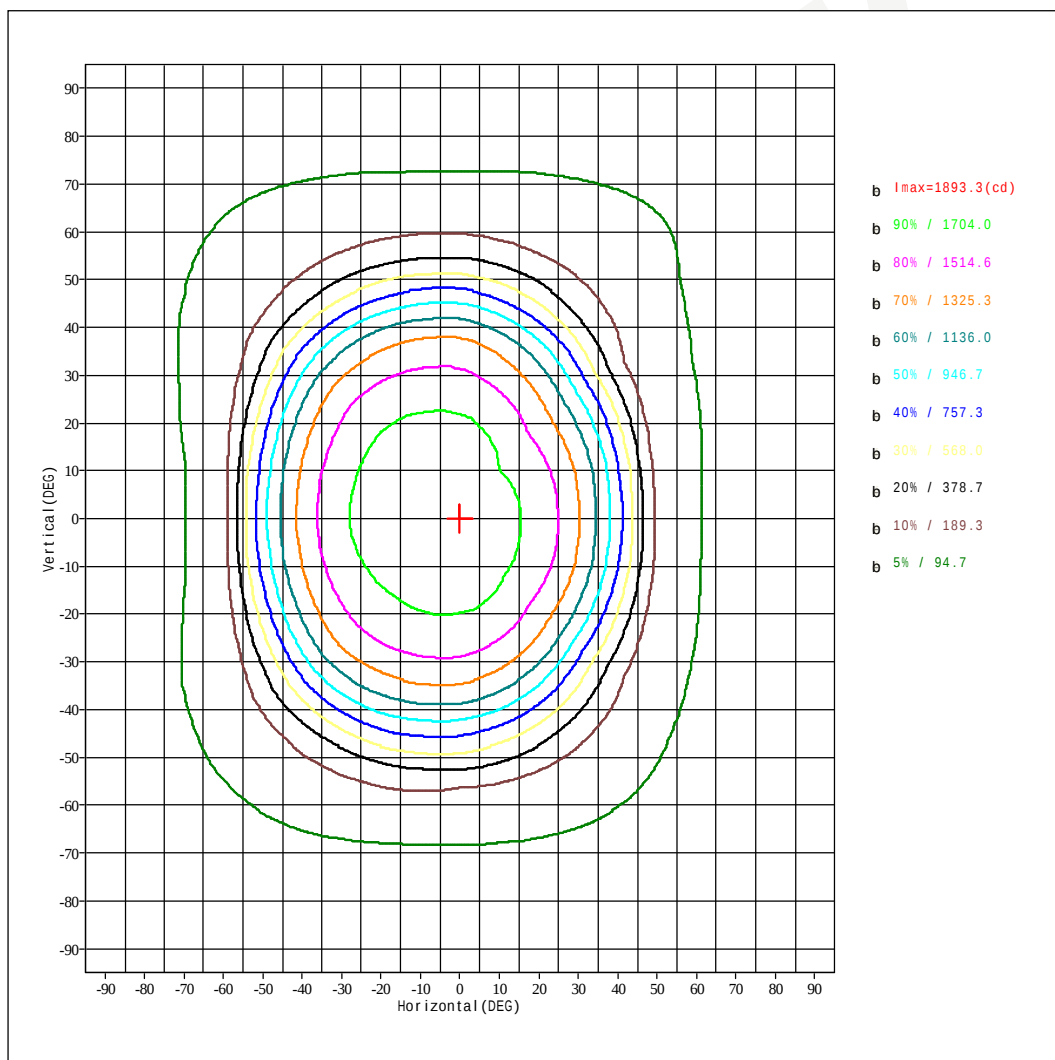
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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

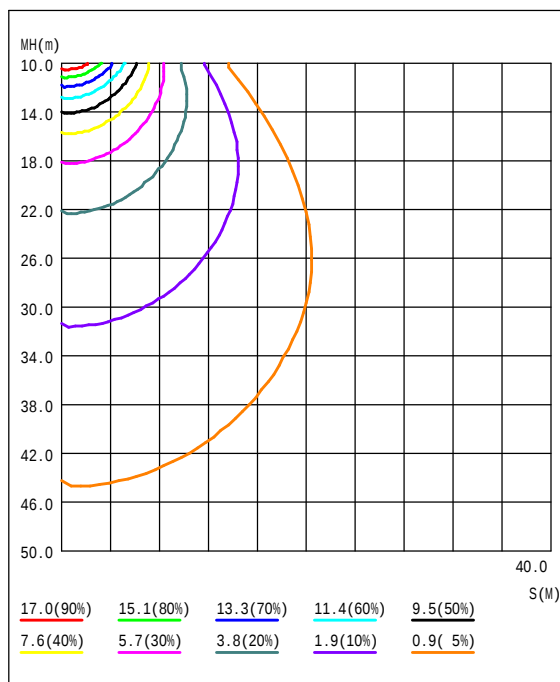
Humidity(%): 60

Date: 2026-4-3

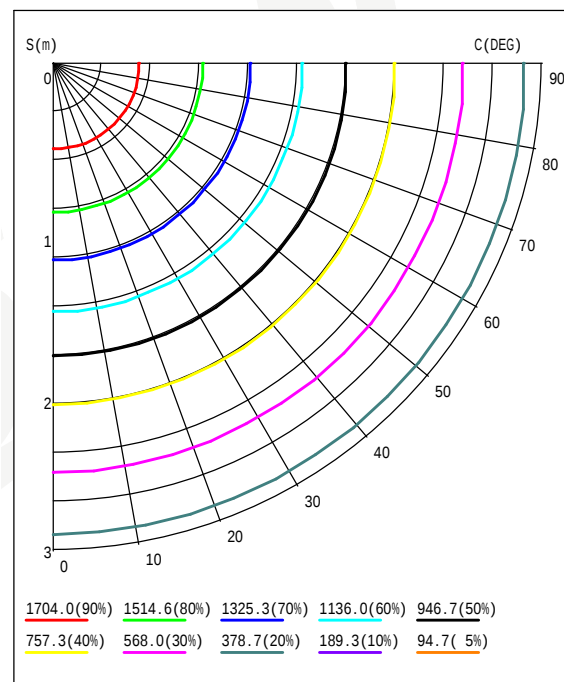
Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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: 2026-4-3

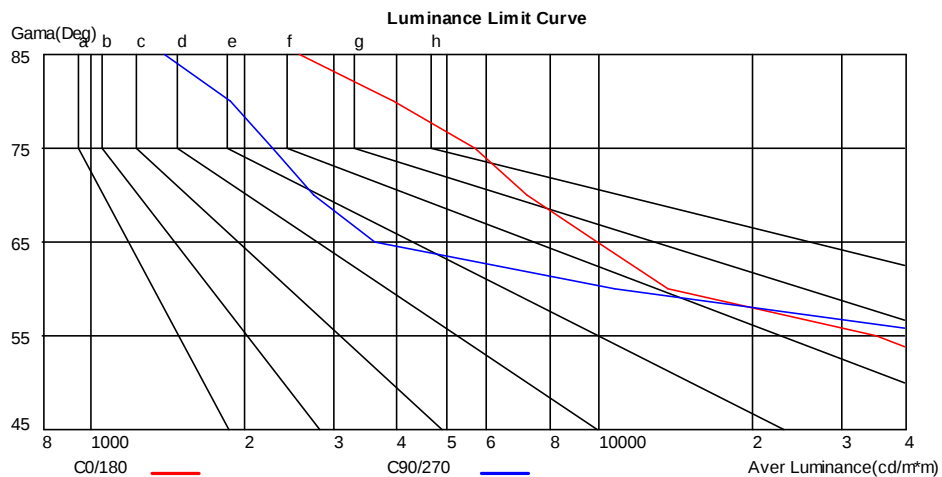
Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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	95442.2	63075.3	35083.5	13631.3	9909.3	7185.4	5683.5	3944.5	2565.6
C90	117464.3	88837.0	52917.1	10710.9	3612.3	2745.0	2272.6	1878.7	1395.0

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

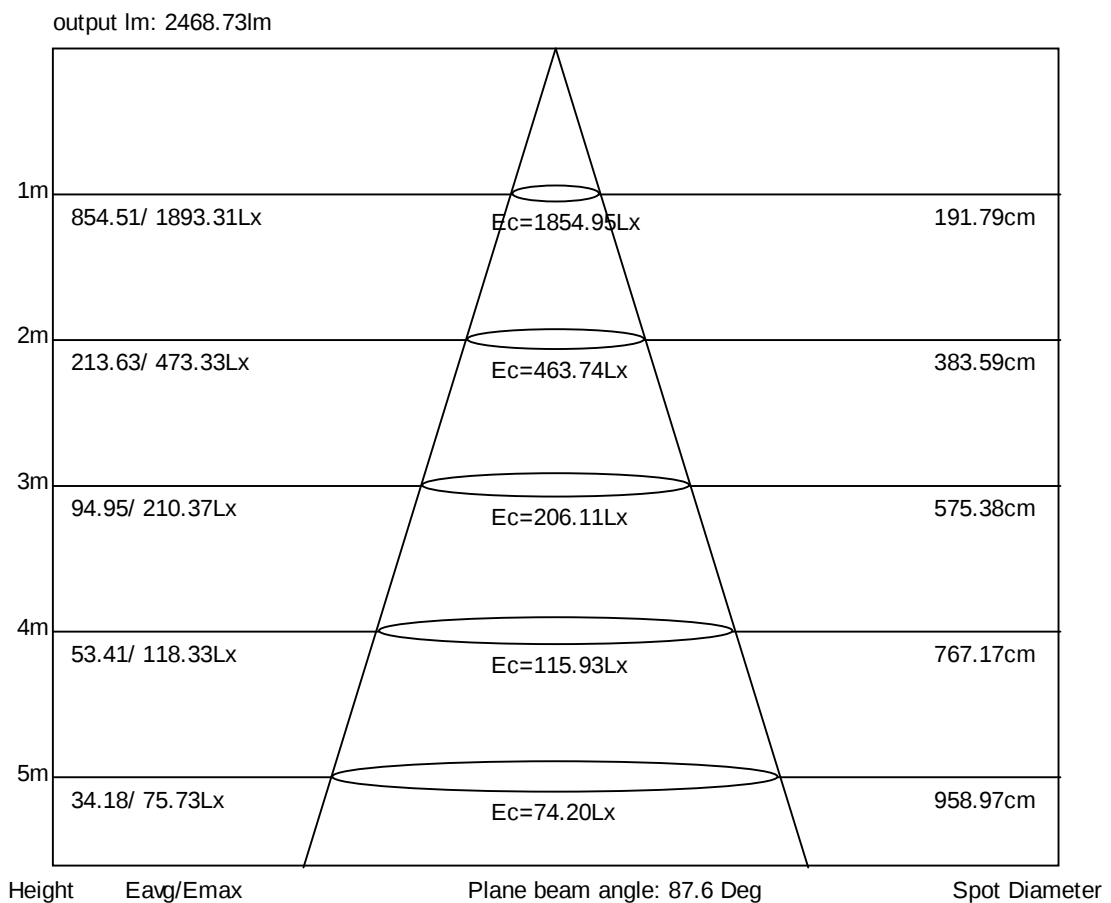
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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

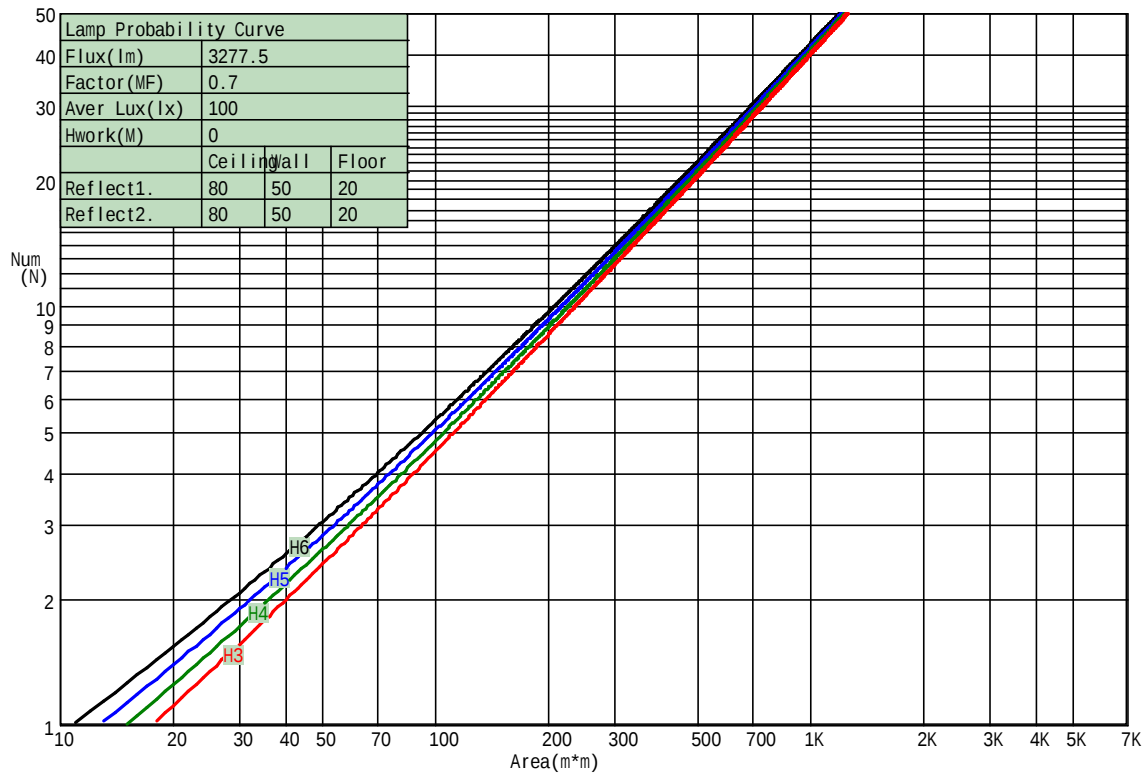
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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	62	48	40	60	48	40	57	47	40
0.80	62	47	37	60	46	37	56	44	36
1.00	63	47	36	61	46	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	30
2.00	67	48	33	64	46	32	57	42	30
2.50	68	49	32	64	46	31	57	42	29
3.00	70	50	33	65	47	31	57	42	28
4.00	71	51	33	67	48	32	58	42	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1	0.98	0.98	0.96	0.95	0.95	0.93	0.92
2	0.98	0.93	0.89	0.96	0.92	0.88	0.93	0.89	0.86	0.9	0.87	0.84	0.87	0.85	0.82
3	0.89	0.83	0.78	0.88	0.82	0.77	0.85	0.8	0.76	0.82	0.78	0.75	0.8	0.76	0.73
4	0.81	0.74	0.69	0.8	0.73	0.68	0.78	0.72	0.68	0.75	0.71	0.67	0.73	0.69	0.66
5	0.74	0.67	0.61	0.73	0.66	0.61	0.71	0.65	0.6	0.69	0.64	0.6	0.68	0.63	0.59
6	0.68	0.6	0.55	0.67	0.6	0.55	0.65	0.59	0.54	0.64	0.58	0.54	0.62	0.57	0.54
7	0.62	0.55	0.5	0.62	0.55	0.5	0.6	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.49
8	0.58	0.5	0.45	0.57	0.5	0.45	0.56	0.49	0.45	0.55	0.49	0.45	0.54	0.48	0.44
9	0.53	0.46	0.41	0.53	0.46	0.41	0.52	0.45	0.41	0.51	0.45	0.41	0.5	0.45	0.41
10	0.5	0.43	0.38	0.49	0.42	0.38	0.48	0.42	0.38	0.47	0.42	0.38	0.46	0.41	0.37

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: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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	0.13	0.04	0.22	0.12	0.04	0.2	0.12	0.04	0.19	0.11	0.04	0.18	0.11	0.03
2	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03
3	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.1	0.03
4	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03
5	0.19	0.1	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
6	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02	0.15	0.08	0.02
7	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
8	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
9	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
10	0.14	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

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	0.1	0.08	0.06	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	0.14	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	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.11	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	0.1	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	0.06	0.04	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: 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: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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	1889	1868	1851	1827	1884	1839	1820	1801	0-5	44.3	44.3
10	1862	1866	1853	1823	1850	1798	1787	1762	5-10	131	176
15	1812	1844	1844	1799	1795	1732	1733	1706	10-15	214	390
20	1747	1804	1817	1755	1716	1639	1650	1621	15-20	289	678
25	1662	1741	1767	1692	1618	1514	1523	1504	20-25	351	1030
30	1559	1654	1685	1604	1489	1342	1342	1353	25-30	397	1426
35	1429	1538	1562	1480	1309	1105	1118	1150	30-35	419	1845
40	1238	1384	1392	1307	1065	793	838	871	35-40	409	2255
45	954	1166	1175	1072	781	482	480	532	40-45	360	2614
50	631	860	888	766	513	219	125	245	45-50	274	2888
55	351	533	529	463	226	93.8	61.3	85.6	50-55	175	3063
60	136	253	107	211	105	69.9	43.2	64.8	55-60	92	3155
65	99.1	102	36.1	92.2	71.7	49.2	32.4	49.8	60-65	43.1	3198
70	71.9	71.8	27.4	68.1	47.8	28.9	24	31.5	65-70	28.1	3227
75	56.8	55.3	22.7	48.3	32.9	19.4	15.6	22.3	70-75	21	3248
80	39.4	35.2	18.8	29.2	20.4	8.9	8.33	10.9	75-80	14.6	3262
85	25.7	25.3	14	21	8.69	5.97	5.4	5.14	80-85	9.46	3272
90	10.7	13.2	10.8	10.4	6.29	6.09	5.51	5.24	85-90	5.93	3278
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: 2026-4-3

Remark:

Measured Para U: 233.2V I: 219.0mA P: 29.70W PF: 0.582 Test LM: 3277.52lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-30BW01	Lamp Spec: LPFL-30BW01	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	1889	1880	1871	1863	1855	1846	1835	1833	1859	1884	1864	1844	1833	1824	1816	1807	1810	1850
10.0	1862	1864	1866	1862	1856	1846	1833	1826	1838	1850	1827	1803	1794	1790	1782	1771	1773	1818
15.0	1812	1826	1841	1844	1844	1834	1814	1798	1797	1795	1767	1739	1732	1732	1727	1715	1718	1766
20.0	1747	1771	1797	1808	1814	1803	1776	1751	1733	1716	1683	1648	1643	1648	1644	1631	1635	1692
25.0	1662	1696	1732	1749	1761	1750	1717	1684	1651	1618	1573	1525	1517	1521	1519	1510	1521	1593
30.0	1559	1601	1644	1664	1678	1667	1630	1591	1539	1489	1425	1358	1342	1342	1345	1349	1375	1469
35.0	1429	1477	1526	1546	1557	1544	1507	1461	1384	1309	1220	1127	1109	1115	1125	1139	1180	1307
40.0	1238	1302	1368	1386	1390	1373	1335	1281	1171	1065	946	823	808	828	845	860	911	1078
45.0	954	1047	1143	1169	1173	1152	1106	1040	908	781	650	514	481	481	492	515	578	770
50.0	631	731	835	869	882	862	806	738	624	513	385	251	188	146	151	206	287	462
55.0	351	431	513	532	530	515	485	437	330	226	168	108	83.2	68.4	66.6	77.6	115	235
60.0	136	187	240	205	139	130	177	199	151	105	89.9	73.8	61.2	49	47.9	57.7	72.6	105
65.0	99.1	100	102	80.3	50.5	48.4	73.8	90	80.7	71.7	61.9	51.7	43.7	36.1	36.2	44.1	55.2	77.5
70.0	71.9	71.8	71.8	57.3	37.2	36.3	54.7	65.9	56.7	47.8	39.5	30.9	27.3	25.1	25.7	29	35.9	54.2
75.0	56.8	56.2	55.5	44.6	29.9	28.3	39.9	46.6	39.6	32.9	27	20.9	18.2	16.5	17.1	20.1	26.1	41.7
80.0	39.4	37.6	35.7	29.8	22.4	21.1	25.8	28.2	24.3	20.4	15.4	10.2	8.72	8.46	8.89	10	14	26.9
85.0	25.7	25.5	25.4	21.6	16.4	15.5	18.7	19.7	14.1	8.69	7.5	6.27	5.79	5.53	5.35	5.23	7.38	16.7
90.0	10.7	11.8	12.9	12.4	11.3	10.7	10.5	9.93	8.08	6.29	6.2	6.11	5.9	5.64	5.45	5.33	5.84	8.32
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: 2026-4-3

Remark: