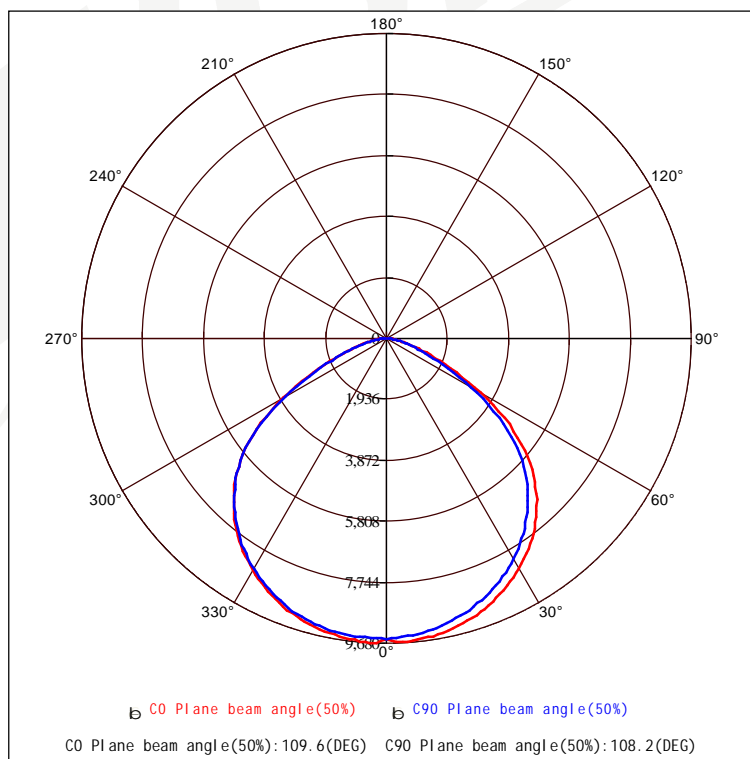


Goniophotometer Test Report

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm						
Lamp Name: LED FLOOD LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPFL-200BW02		Lamp Spec: LPFL-200BW02		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPFL-200BW02		Peak Value(cd)	9691.9	Efficiency(lm/w)	122.5
Nominal P(w)	200.0		Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	24766.233	Down(C0-C180)	49.5
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)	50.5

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

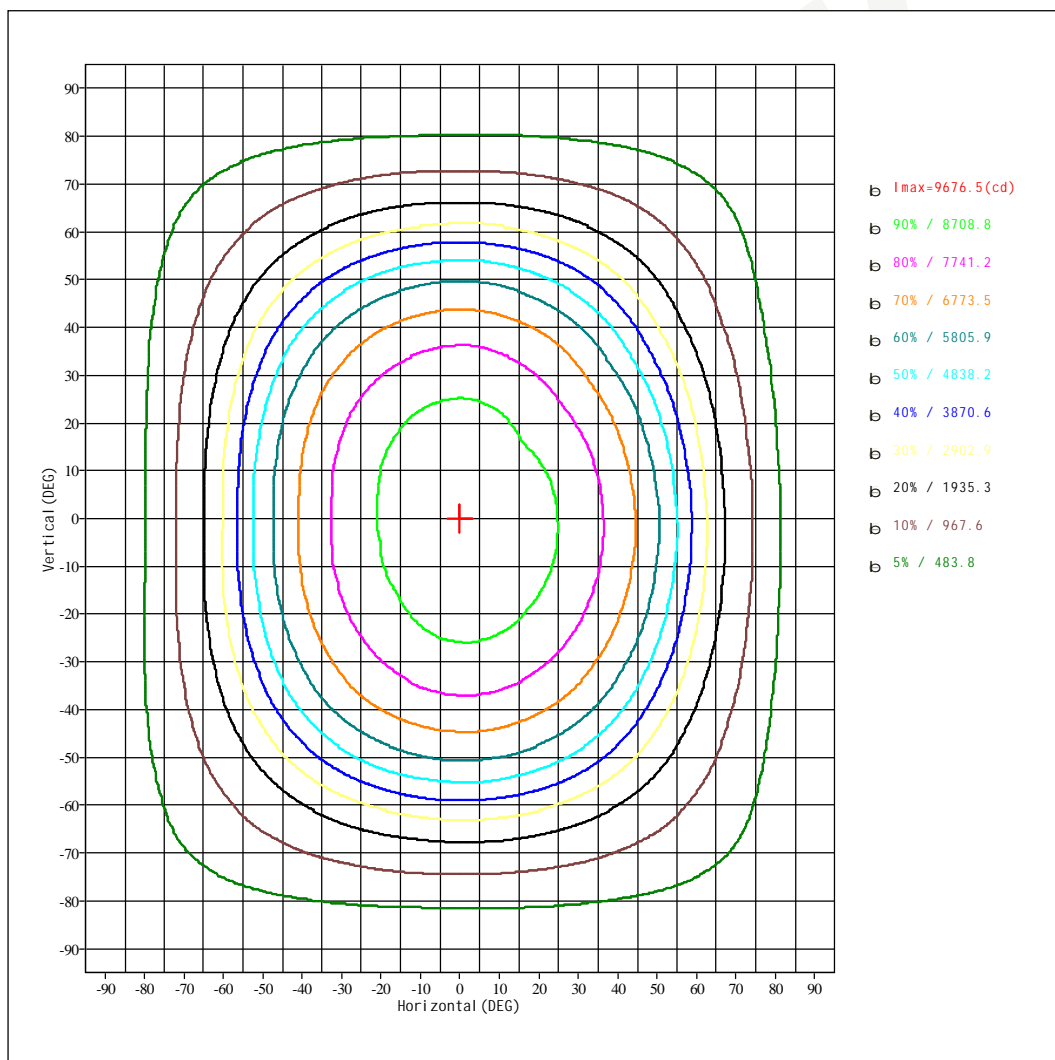
Humidity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
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

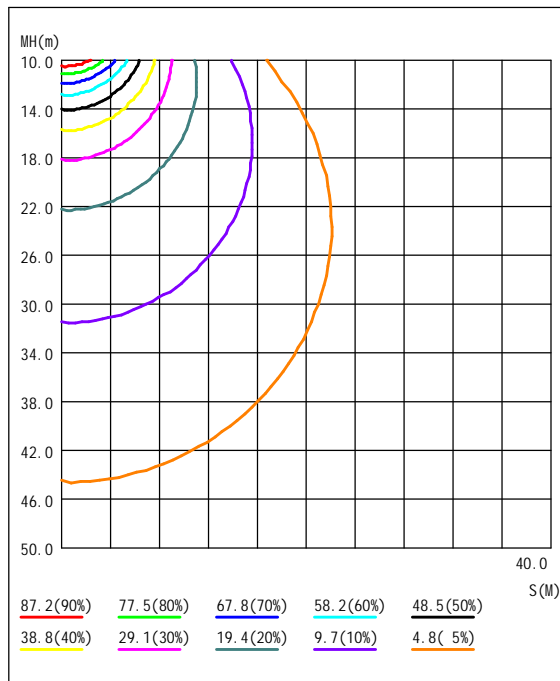
Humi di ty(%): 60

Date: 2026-4-3

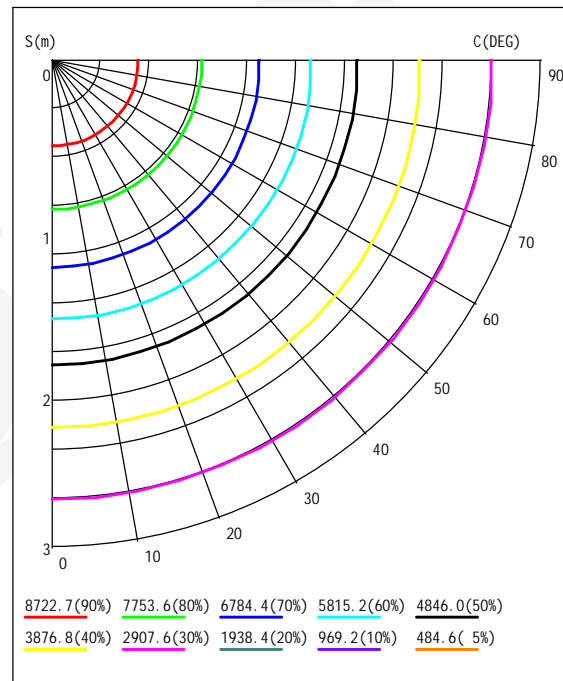
Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
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: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

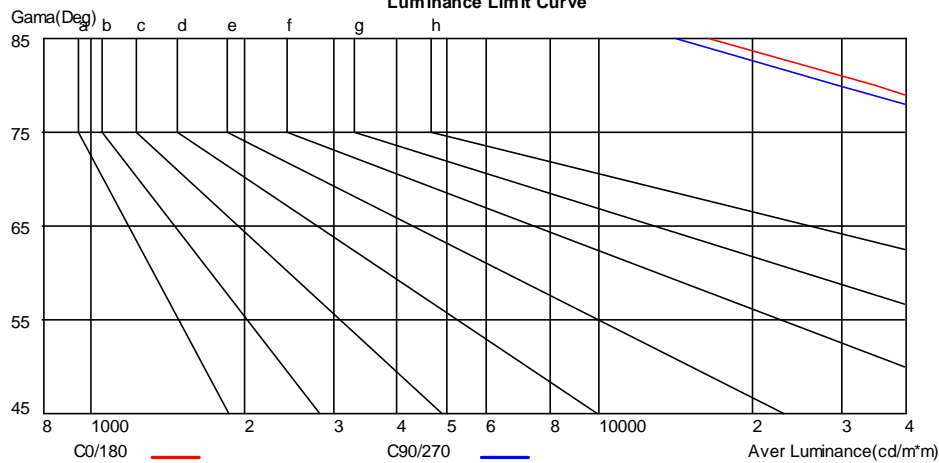
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	661388.3	574636.2	465187.9	332058.8	213888.4	127238.8	69914.2	34962.0	16486.1
C90	619934.8	535902.7	425188.2	299280.7	189415.4	112340.8	64028.8	29525.4	14181.1

Glare

Glare	Class	Illuminance(lx)							
		2000	1000	500	<=300				
1.15	A								
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

Luminance Limit 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

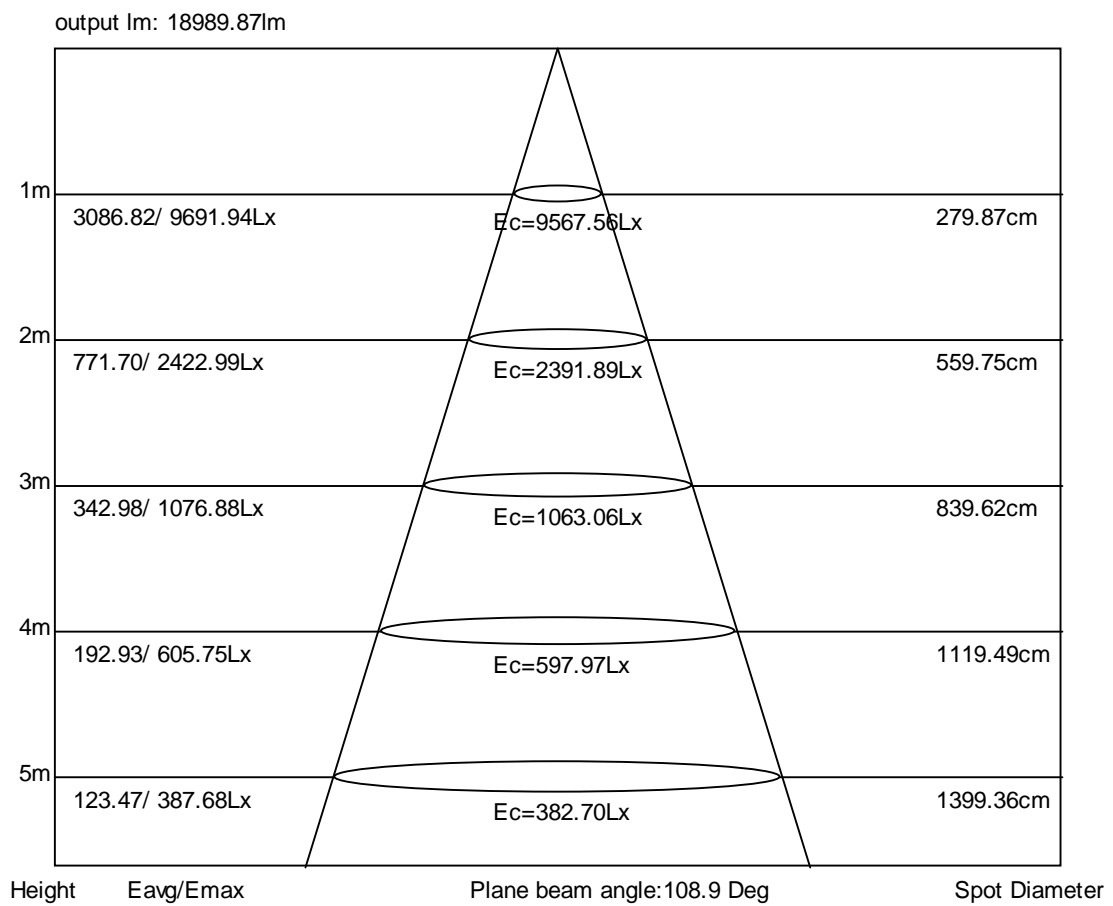
Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



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

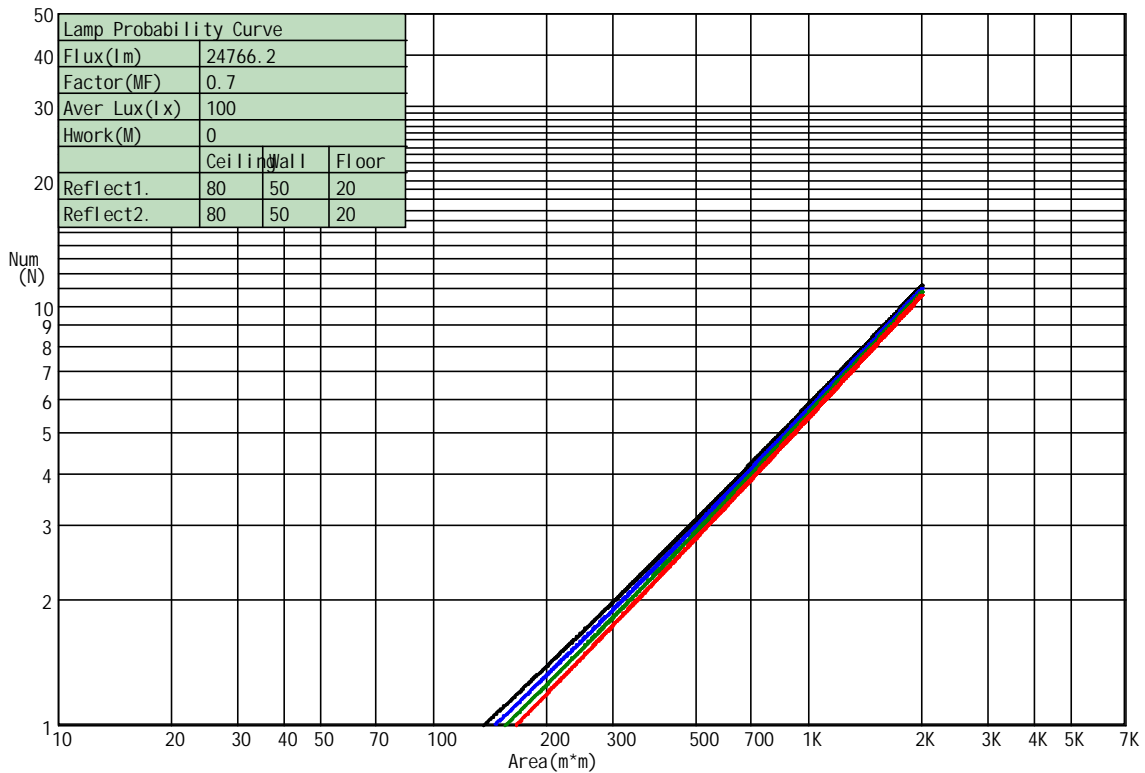
Humi di ty(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	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: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
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	55	41	32	54	40	32	51	39	31
0.80	59	43	32	57	42	32	53	40	31
1.00	62	45	33	59	43	32	54	41	31
1.25	64	46	33	61	44	32	55	41	31
1.50	65	47	33	62	45	32	56	42	30
2.00	68	48	33	64	46	32	57	42	30
2.50	69	49	33	65	46	31	57	42	29
3.00	69	50	32	65	47	31	57	42	28
4.00	71	50	32	66	47	31	58	42	28
5.00	71	51	33	67	48	31	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	
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	1.06	1.02	0.99	1.04	1	0.97	0.99	0.97	0.94	0.96	0.93	0.91	0.92	0.9	0.88
2	0.93	0.87	0.82	0.92	0.86	0.81	0.88	0.83	0.79	0.85	0.81	0.77	0.82	0.79	0.76
3	0.83	0.75	0.69	0.81	0.74	0.69	0.78	0.72	0.67	0.76	0.71	0.66	0.73	0.69	0.65
4	0.74	0.66	0.59	0.72	0.65	0.59	0.7	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57
5	0.66	0.58	0.51	0.65	0.57	0.51	0.63	0.56	0.51	0.61	0.55	0.5	0.59	0.54	0.49
6	0.6	0.51	0.45	0.59	0.51	0.45	0.57	0.5	0.44	0.55	0.49	0.44	0.54	0.48	0.44
7	0.54	0.46	0.4	0.53	0.45	0.4	0.52	0.45	0.39	0.5	0.44	0.39	0.49	0.43	0.39
8	0.49	0.41	0.36	0.49	0.41	0.35	0.47	0.4	0.35	0.46	0.4	0.35	0.45	0.39	0.35
9	0.45	0.37	0.32	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.31
10	0.42	0.34	0.29	0.41	0.34	0.29	0.4	0.34	0.29	0.39	0.33	0.29	0.39	0.33	0.29

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: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.23lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exi tance 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	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.23	0.13	0.04
2	0.26	0.14	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04
3	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.21	0.12	0.04
4	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	0.22	0.11	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03
6	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03
7	0.19	0.09	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
8	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.09	0.02	0.16	0.08	0.02	0.16	0.08	0.02
9	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
10	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02

Ceiling Cavi ty Exi tance 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	0.14	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	0.05	0.09	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.05	0.12	0.08	0.04	0.09	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.14	0.08	0.04	0.12	0.07	0.04	0.08	0.05	0.03	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.01	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.12	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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2026-4-3

Distance(m): 7.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.231m		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
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	9639	9546	9447	9401	9646	9571	9510	9427	0-5	228	228
10	9533	9424	9301	9296	9533	9487	9460	9323	5-10	678	906
15	9355	9251	9091	9147	9386	9335	9308	9151	10-15	1107	2013
20	9114	8989	8818	8878	9172	9065	9066	8916	15-20	1505	3518
25	8780	8657	8484	8554	8836	8786	8758	8597	20-25	1855	5373
30	8383	8250	8030	8182	8448	8383	8407	8196	25-30	2147	7520
35	7928	7760	7525	7693	7986	7907	7957	7719	30-35	2371	9891
40	7339	7196	6920	7147	7444	7364	7390	7135	35-40	2511	12402
45	6614	6495	6199	6502	6776	6699	6740	6397	40-45	2555	14957
50	5746	5631	5359	5656	5959	5842	5950	5475	45-50	2480	17438
55	4652	4566	4252	4623	4933	4752	4897	4316	50-55	2252	19690
60	3321	3276	2993	3397	3650	3447	3586	3050	55-60	1840	21530
65	2139	2110	1894	2251	2451	2290	2379	2005	60-65	1332	22862
70	1272	1254	1123	1377	1532	1400	1469	1178	65-70	876	23738
75	699	709	640	790	873	784	846	648	70-75	531	24270
80	350	370	295	423	448	390	436	313	75-80	294	24563
85	165	181	142	209	203	174	193	131	80-85	145	24708
90	66.4	65.6	66.1	68.4	47.4	56.9	45.6	47.3	85-90	57.8	24766
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

Humi dity(%): 60

Date: 2026-4-3

Remark:

Measured Para U: 231.6V I: 881.0mA P: 202.10W PF: 0.990 Test LM: 24766.231m		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-200BW02	Lamp Spec: LPFL-200BW02	Shape Si ze:
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	9639	9599	9556	9514	9469	9437	9416	9428	9539	9646	9614	9580	9551	9523	9491	9454	9450	9546
10.0	9533	9485	9436	9383	9328	9300	9297	9322	9429	9533	9513	9492	9478	9466	9430	9368	9346	9441
15.0	9355	9309	9262	9198	9126	9103	9128	9173	9281	9386	9364	9341	9326	9314	9274	9203	9174	9266
20.0	9114	9059	9003	8933	8856	8831	8859	8911	9044	9172	9126	9077	9066	9066	9033	8965	8938	9028
25.0	8780	8727	8671	8600	8522	8499	8531	8585	8713	8836	8814	8791	8777	8764	8723	8650	8617	8700
30.0	8383	8324	8264	8177	8078	8063	8132	8211	8332	8448	8420	8390	8391	8402	8361	8265	8216	8301
35.0	7928	7855	7778	7683	7576	7562	7638	7725	7857	7986	7951	7915	7923	7946	7905	7797	7742	7837
40.0	7339	7277	7212	7106	6980	6969	7072	7180	7314	7444	7409	7373	7372	7384	7334	7219	7157	7250
45.0	6614	6562	6508	6398	6264	6266	6403	6532	6656	6776	6742	6707	6712	6731	6665	6510	6421	6519
50.0	5746	5696	5643	5541	5418	5424	5558	5689	5826	5959	5907	5854	5877	5926	5846	5631	5505	5628
55.0	4652	4614	4575	4463	4321	4333	4501	4657	4797	4933	4854	4772	4800	4865	4770	4507	4353	4505
60.0	3321	3301	3281	3183	3055	3081	3265	3425	3539	3650	3561	3469	3493	3556	3469	3226	3080	3202
65.0	2139	2126	2113	2039	1941	1972	2134	2273	2364	2451	2381	2308	2319	2359	2297	2128	2020	2080
70.0	1272	1264	1256	1211	1152	1179	1294	1394	1464	1532	1475	1415	1423	1454	1405	1274	1189	1231
75.0	699	704	708	687	655	673	741	799	837	873	834	794	804	833	803	713	654	677
80.0	350	358	368	345	312	323	381	426	437	448	422	396	405	426	409	353	317	334
85.0	165	172	179	168	150	156	187	208	206	203	190	177	180	189	179	151	135	150
90.0	66.4	66.1	65.7	65.8	66	66.6	67.6	66.1	56.6	47.4	51.6	55.8	53.2	48.1	46	46.7	49.4	58
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zyg

Date: 2026-4-3

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0