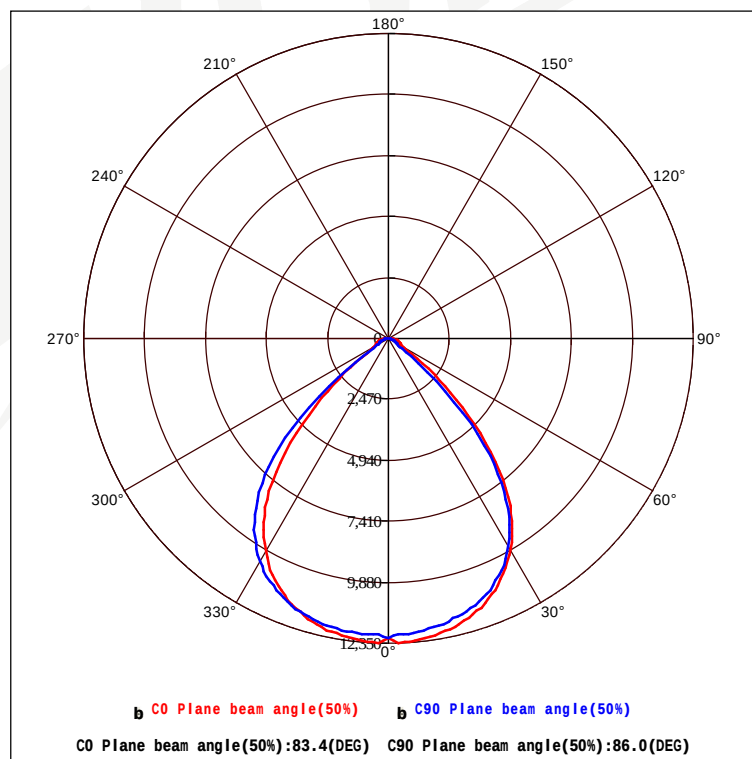


Goniophotometer Test Report

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: 150W			Lamp Spec: LPFL-150BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-150BW01		Peak Value(cd)	12373.7	Efficiency(lm/w)	143.4
Nominal P(w)		1.0	Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	20175.868	Down(C0-C180)	48.5
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)	51.5

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

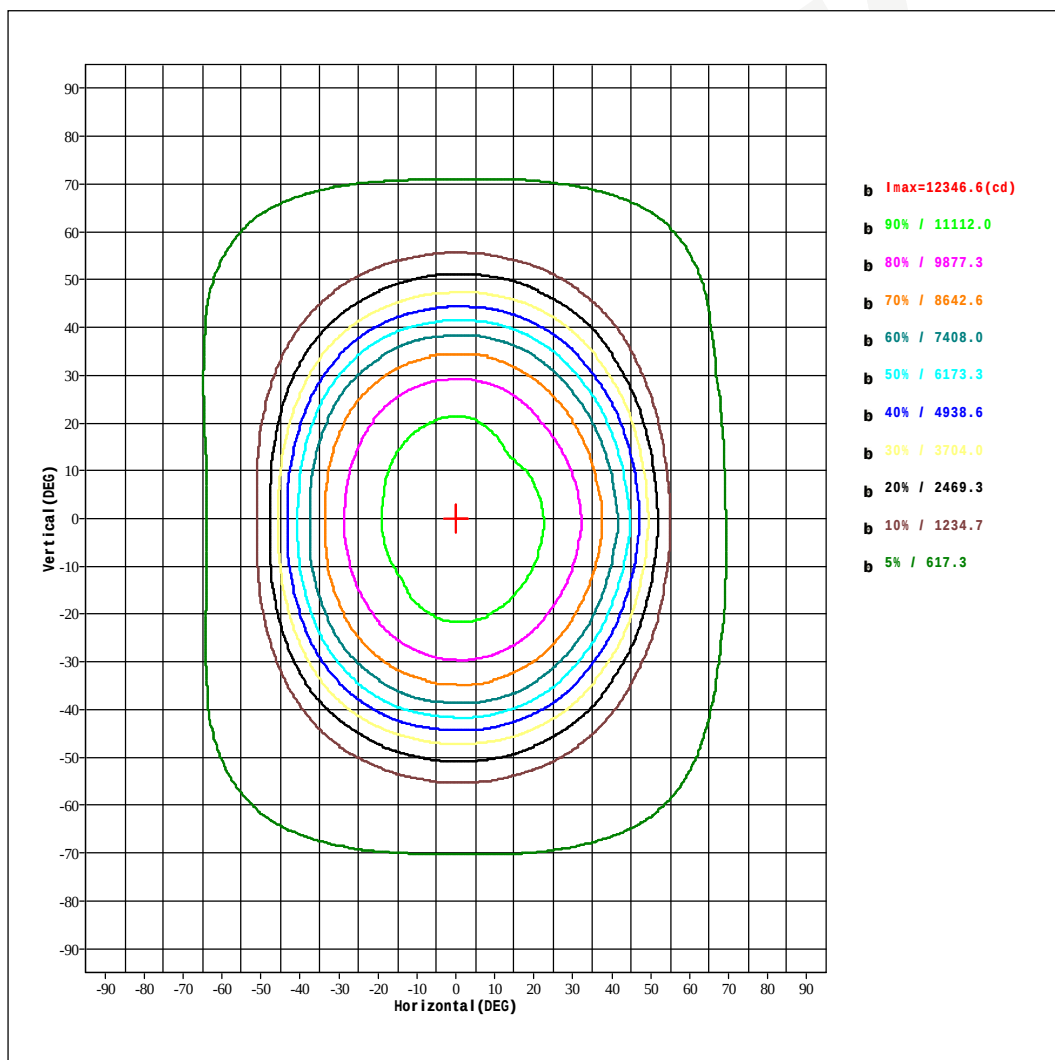
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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: zxc

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

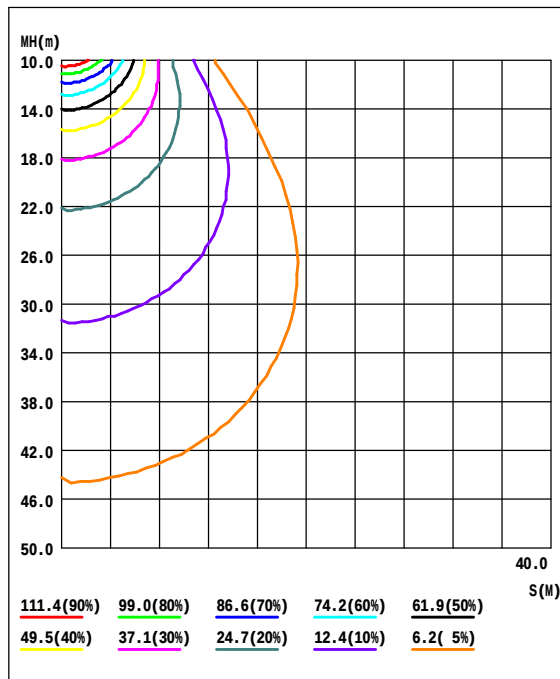
Humidity(%): 60

Date: 2026-6-14

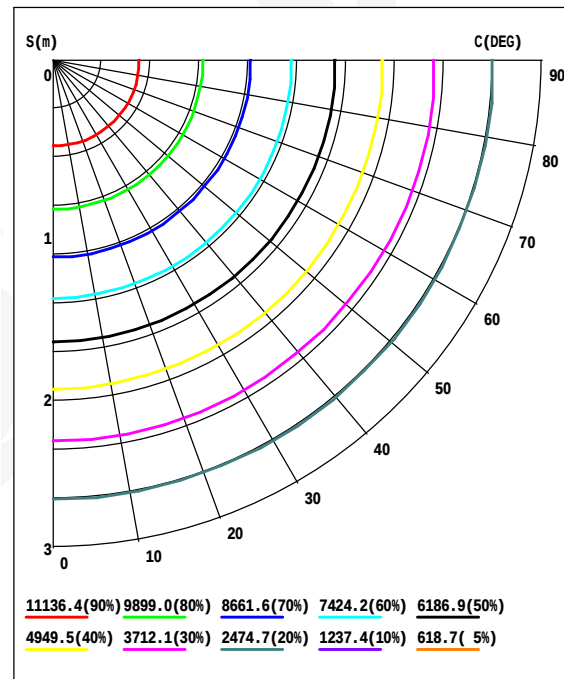
Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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: 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: 2026-6-14

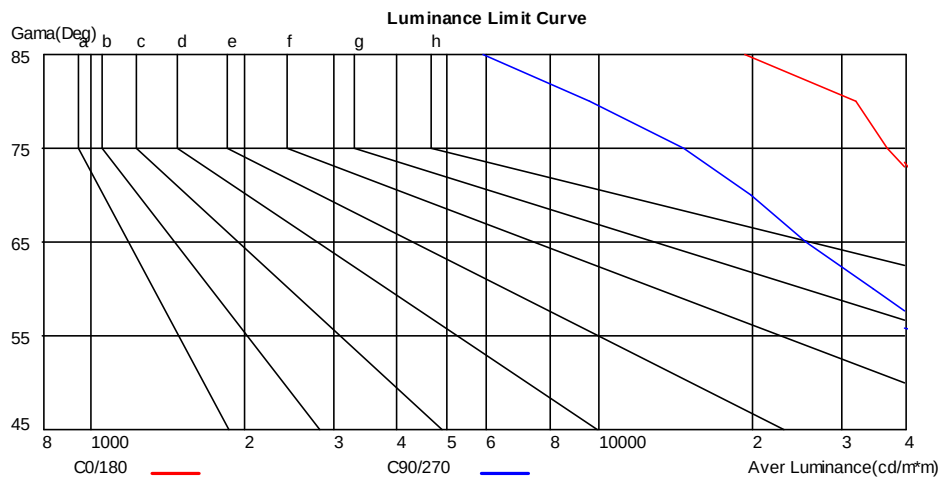
Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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	469495.5	286762.7	125604.6	64946.1	52261.9	44663.5	37013.1	32012.2	19427.5
C90	400120.8	133093.8	47479.0	34633.7	25618.2	19986.6	14688.2	9553.5	5915.8

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

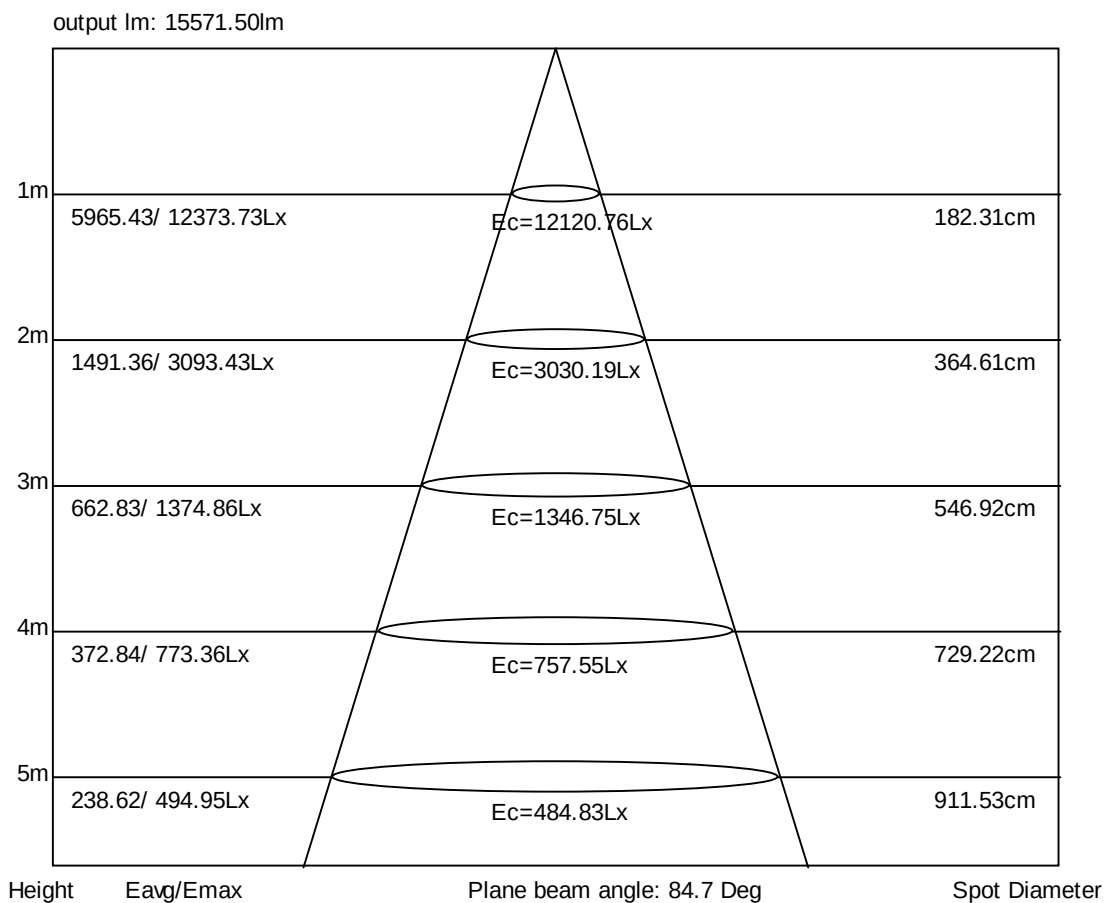
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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

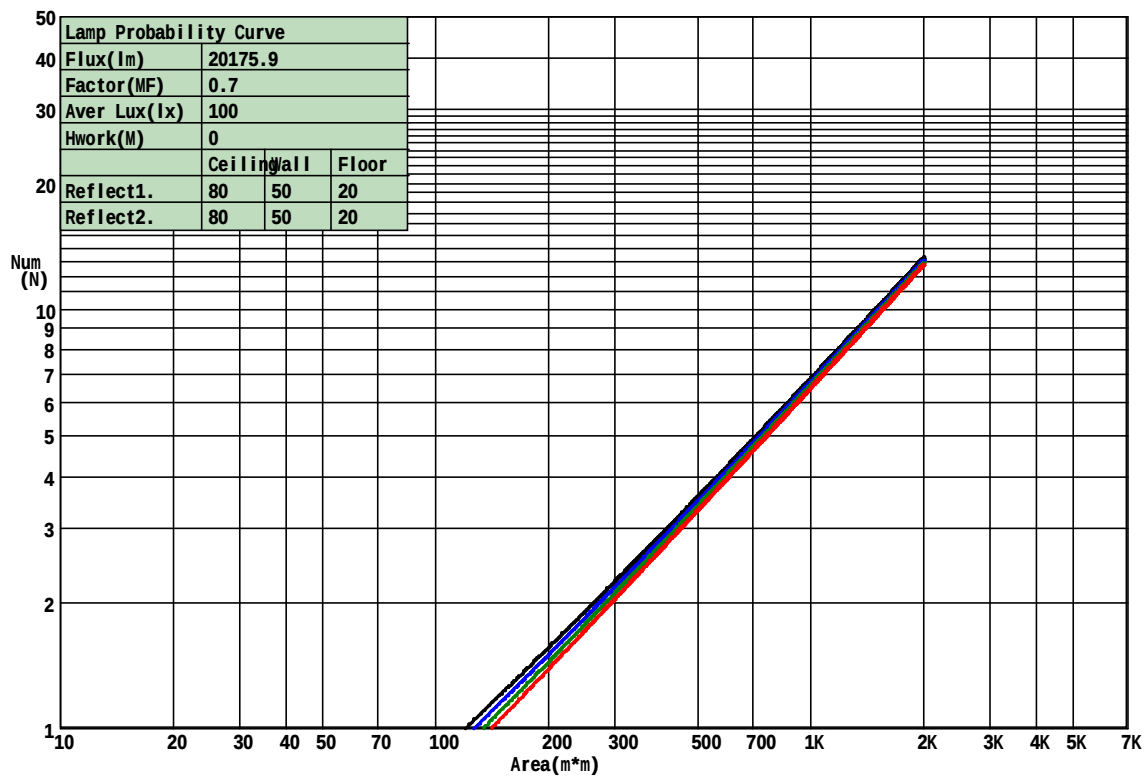
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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	59	45	37	57	44	36	54	43	36
0.80	60	44	34	58	43	33	54	41	33
1.00	61	45	33	59	43	32	54	41	31
1.25	63	45	32	60	43	31	54	40	29
1.50	64	45	31	61	43	30	55	40	28
2.00	66	47	31	63	45	30	56	40	28
2.50	68	48	31	64	45	30	56	40	27
3.00	69	49	31	65	46	30	56	41	27
4.00	71	50	32	66	47	31	57	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	1.09	1.05	1.03	1.06	1.04	1.01	1.02	1	0.98	0.98	0.97	0.95	0.95	0.94	0.92
2	0.99	0.94	0.9	0.97	0.92	0.88	0.94	0.9	0.87	0.91	0.87	0.85	0.88	0.85	0.83
3	0.9	0.84	0.79	0.89	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.75
4	0.82	0.75	0.7	0.81	0.75	0.7	0.79	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.67
5	0.75	0.68	0.63	0.74	0.68	0.63	0.72	0.67	0.62	0.71	0.65	0.61	0.69	0.64	0.61
6	0.69	0.62	0.57	0.68	0.62	0.57	0.67	0.61	0.56	0.65	0.6	0.56	0.64	0.59	0.55
7	0.64	0.57	0.52	0.63	0.56	0.51	0.62	0.56	0.51	0.6	0.55	0.51	0.59	0.54	0.5
8	0.59	0.52	0.47	0.58	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.46	0.55	0.5	0.46
9	0.55	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.51	0.46	0.42
10	0.51	0.44	0.4	0.51	0.44	0.4	0.5	0.44	0.39	0.49	0.43	0.39	0.48	0.43	0.39

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: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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	0.21	0.12	0.04	0.2	0.12	0.04	0.19	0.11	0.04	0.18	0.1	0.03
2	0.21	0.12	0.04	0.21	0.11	0.04	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03
3	0.2	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03
4	0.19	0.1	0.03	0.19	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	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03	0.16	0.08	0.03
6	0.17	0.09	0.02	0.17	0.09	0.02	0.16	0.08	0.02	0.16	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	0.16	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
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	0.13	0.07	0.02
10	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02	0.13	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	0.06	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	0.01	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	0.11	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: 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: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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	12255	12107	11966	11866	12289	12150	12055	11918	0-5	289	289
10	12115	11974	11818	11768	12077	12059	11902	11705	5-10	859	1148
15	11823	11649	11534	11509	11887	11755	11774	11500	10-15	1400	2548
20	11363	11272	11131	11110	11439	11334	11462	11131	15-20	1892	4440
25	10692	10605	10492	10544	10737	10780	10971	10536	20-25	2304	6744
30	9787	9724	9585	9714	9837	9994	10367	9828	25-30	2601	9345
35	8528	8572	8259	8568	8616	8826	9365	8686	30-35	2735	12079
40	6795	6803	6479	6898	6883	7150	7969	7057	35-40	2628	14707
45	4695	4467	4001	4575	4659	4887	6050	4923	40-45	2187	16895
50	2868	2375	1331	2289	2748	2628	3384	2744	45-50	1465	18360
55	1256	864	475	725	1178	923	1106	992	50-55	720	19080
60	649	529	346	443	655	508	449	486	55-60	298	19378
65	523	429	256	363	547	416	336	388	60-65	222	19600
70	447	336	200	284	476	328	253	303	65-70	185	19785
75	370	233	147	201	402	226	198	218	70-75	152	19937
80	320	159	95.5	141	323	154	157	144	75-80	116	20053
85	194	101	59.2	89.9	141	108	112	106	80-85	82.6	20135
90	52.7	52	52.1	53.8	54.1	54.4	53.9	56.4	85-90	40.7	20176
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: 2026-6-14

Remark:

Measured Para U: 227.5V I: 628.0mA P: 140.70W PF: 0.986 Test LM: 20175.87lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 150W	Lamp Spec: LPFL-150BW01	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	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k
10.0	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k
15.0	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k
20.0	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k
25.0	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k
30.0	9787	9759	9731	9678	9616	9614	9672	9727	9783	9837	9906	9977	10k	10k	10k	10k	9824	9805
35.0	8528	8548	8567	8469	8327	8327	8467	8574	8595	8616	8708	8803	9003	9247	9217	8909	8669	8597
40.0	6795	6798	6802	6697	6550	6571	6761	6897	6890	6883	7000	7121	7419	7790	7769	7356	7028	6909
45.0	4695	4595	4492	4314	4103	4127	4386	4584	4622	4659	4758	4862	5268	5796	5803	5293	4898	4795
50.0	2868	2652	2428	2032	1559	1541	1975	2339	2547	2748	2695	2641	2876	3218	3244	2954	2757	2813
55.0	1256	1084	907	736	560	529	643	774	980	1178	1067	951	983	1066	1081	1029	1020	1140
60.0	649	597	542	469	386	367	411	466	562	655	590	524	489	462	457	474	504	578
65.0	523	482	439	372	294	280	328	383	466	547	489	430	389	353	347	371	403	464
70.0	447	398	348	292	230	218	256	305	392	476	411	344	303	269	264	287	319	384
75.0	370	310	248	205	166	159	183	223	314	402	325	245	217	204	203	212	235	304
80.0	320	250	177	138	109	105	126	161	244	323	249	173	155	156	154	148	163	243
85.0	194	153	111	87.2	68.3	65.9	79.8	95.6	119	141	127	112	109	111	111	108	116	156
90.0	52.7	52.3	52	52	52.1	52.5	53.2	53.8	54	54.1	54.2	54.3	54.2	54	54.5	55.6	56	54.3
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: 2026-6-14

Remark: