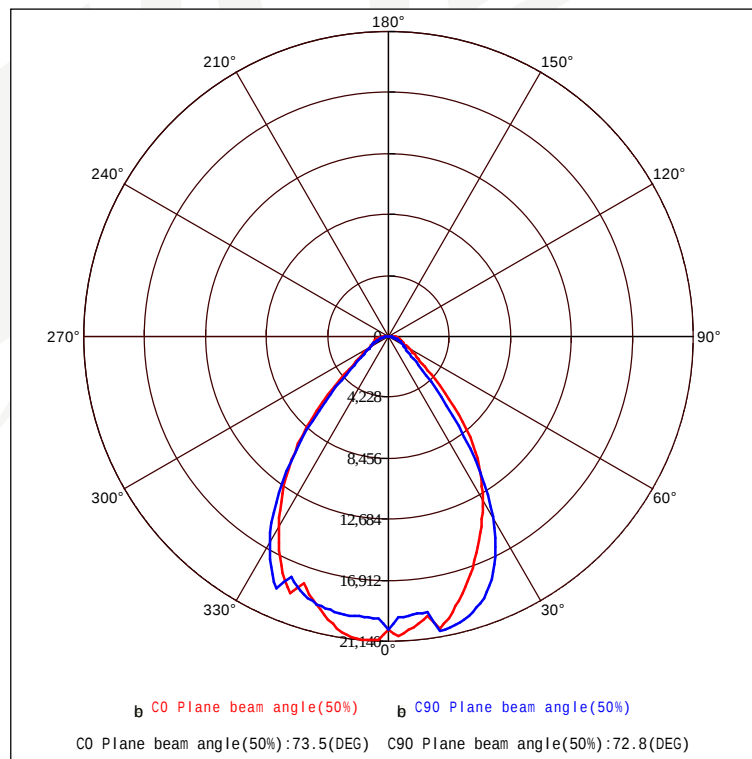


Goniophotometer Test Report

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: 300W			Lamp Spec: LPFL-300BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-300BW01		Peak Value(cd)	21145.6	Efficiency(lm/w)	100.4
Nominal P(w)		1.0	Position	180.0,3.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	29800.412	Down(C0-C180)	48.7
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)	51.3

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

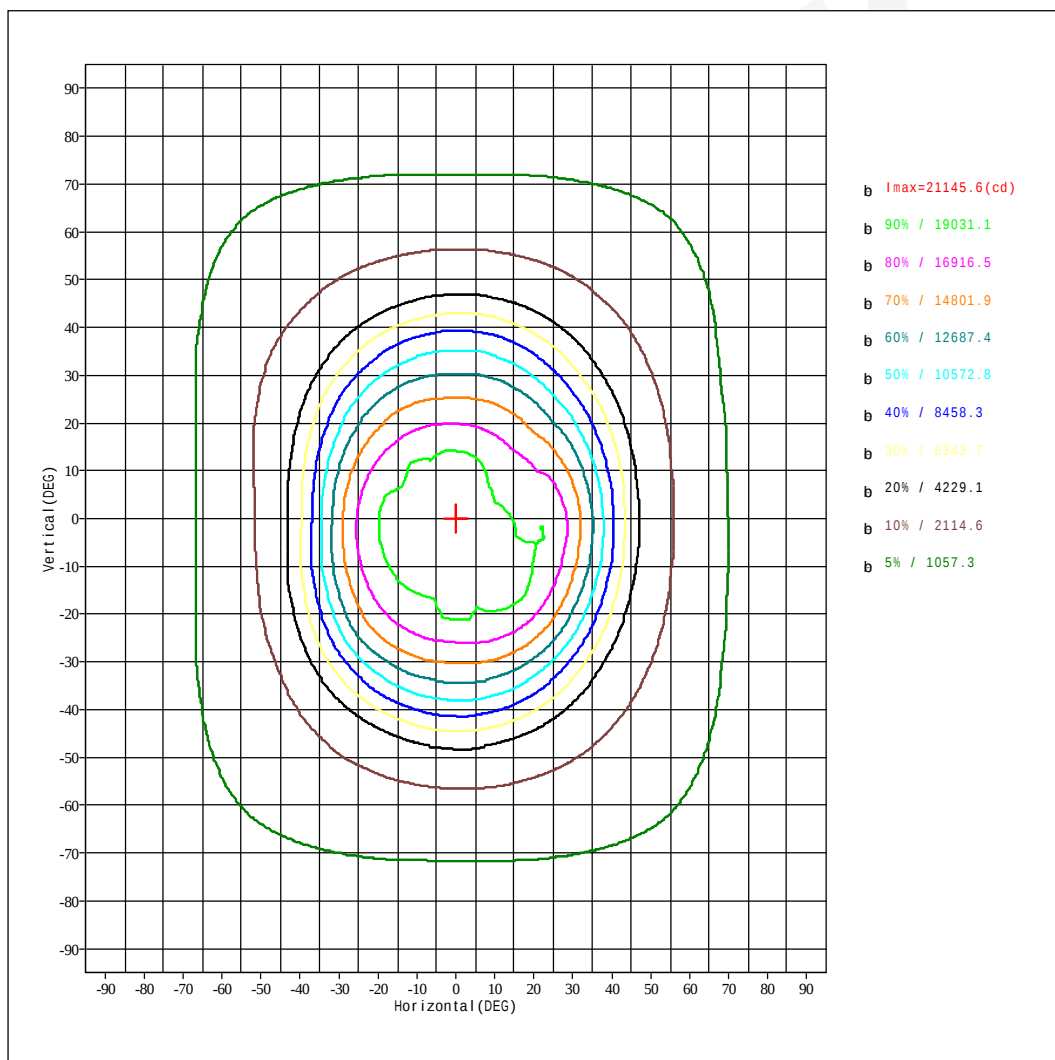
Humidity(%): 60

Date: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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

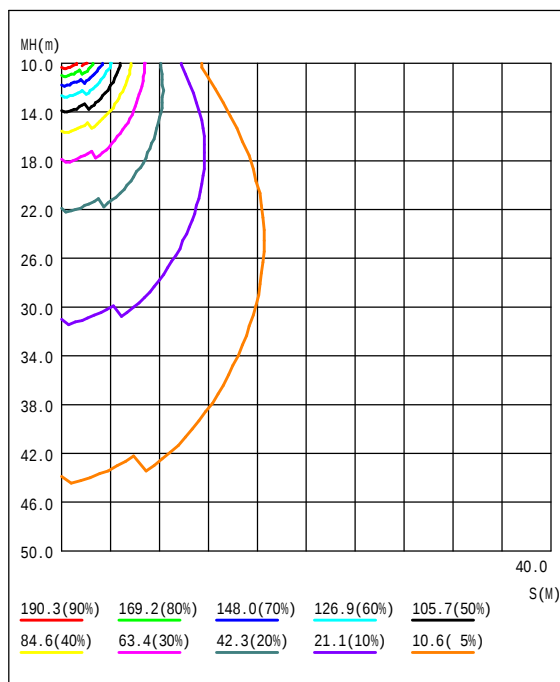
Humidity(%): 60

Date: 2026-6-10

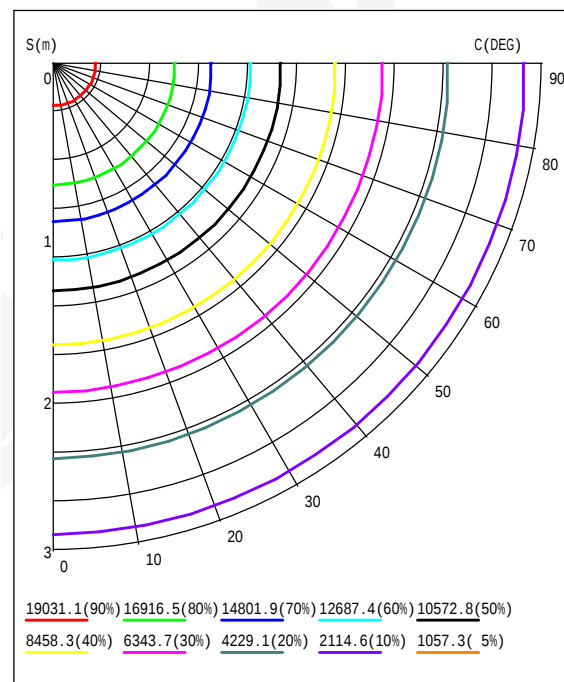
Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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: 2026-6-10

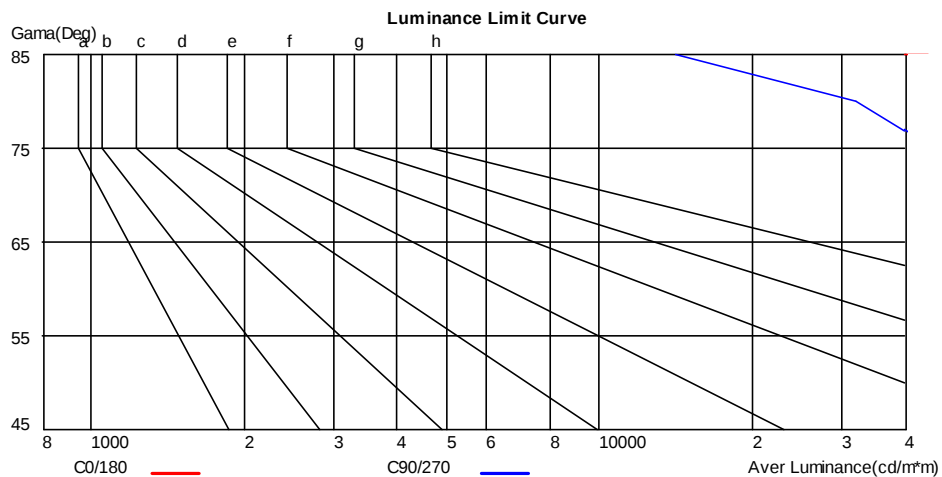
Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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	524034.9	311726.2	228942.7	151248.3	112005.2	99529.3	85100.8	72620.5	44611.6
C90	310537.5	184546.7	138805.7	114067.1	90068.4	62139.8	45407.8	32017.1	14165.4

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

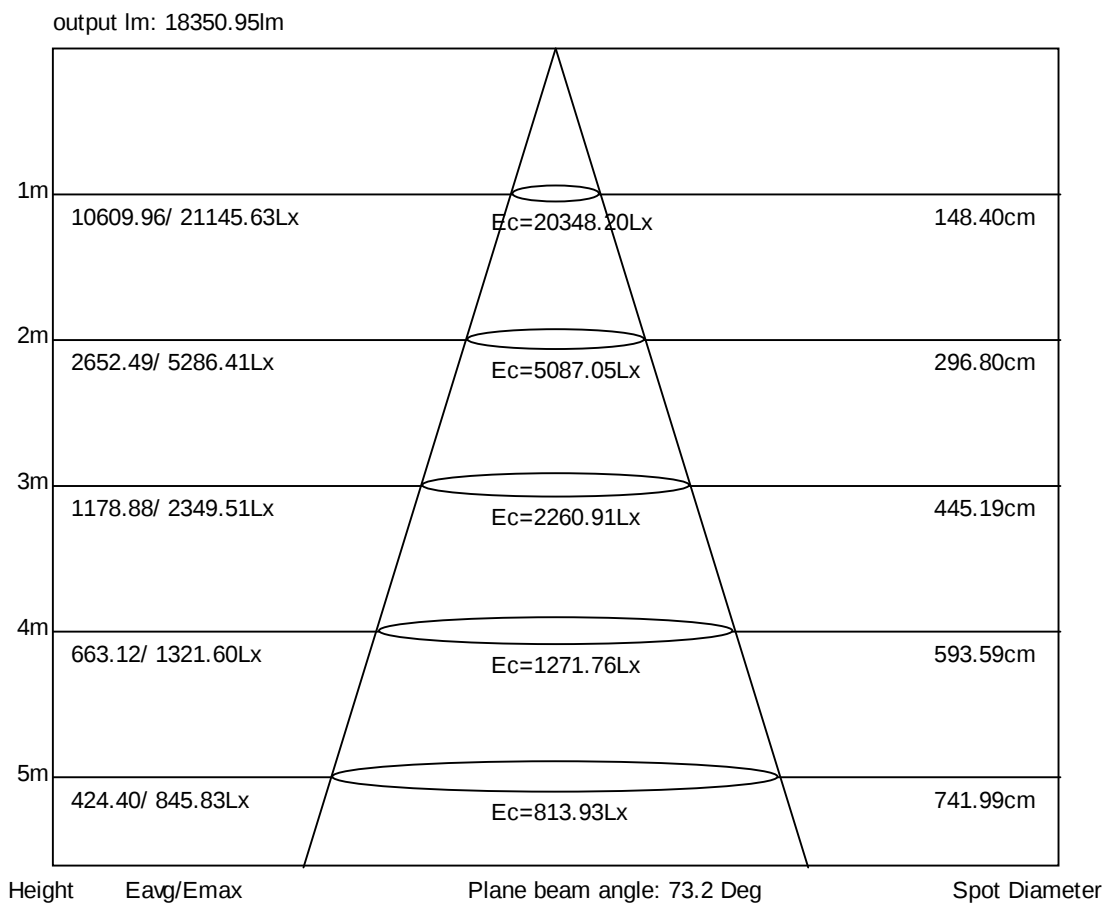
Humidity(%): 60

Date: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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

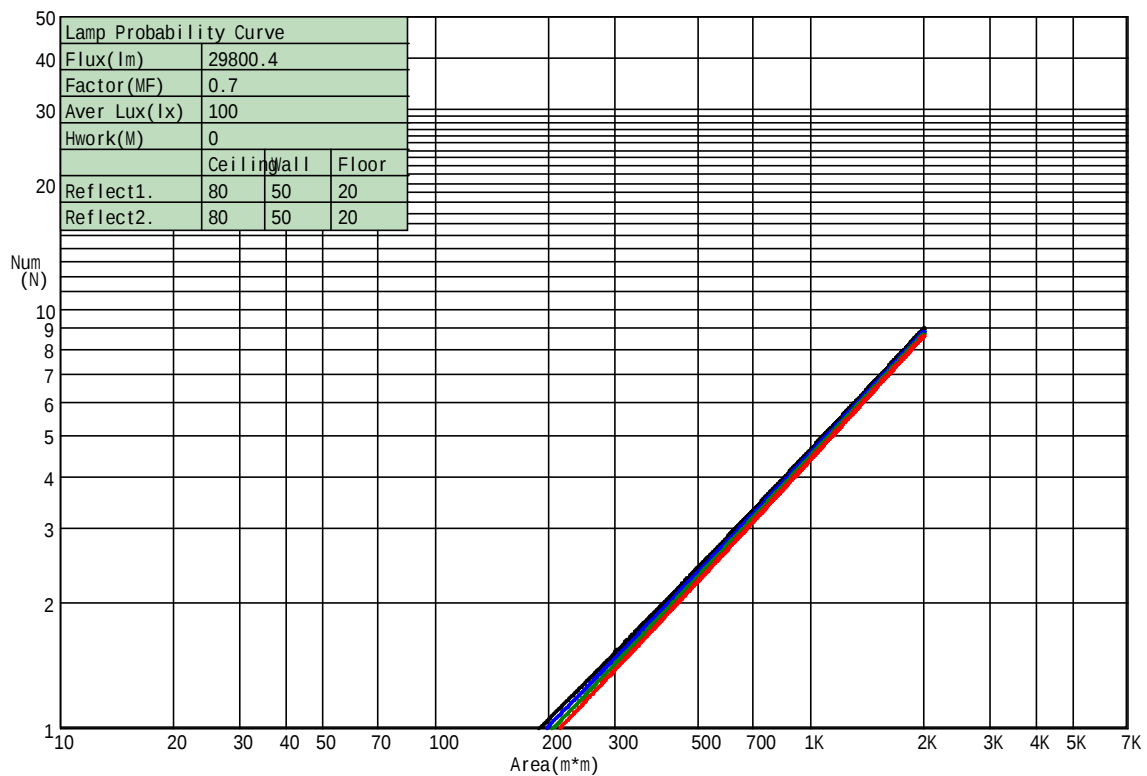
Humidity(%): 60

Date: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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	54	40	31	53	39	30	50	38	30
0.80	57	41	30	55	39	29	51	38	28
1.00	59	42	30	57	40	29	52	38	28
1.25	61	43	29	58	41	28	53	38	27
1.50	63	44	29	60	42	28	53	38	27
2.00	66	46	30	62	44	29	55	39	27
2.50	67	47	30	63	44	29	55	40	26
3.00	68	48	31	64	45	29	56	40	26
4.00	70	50	32	66	47	30	57	41	27
5.00	71	51	32	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	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	1.02	0.99	0.97	0.98	0.96	0.94	0.94	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	0.84	0.82
3	0.9	0.83	0.78	0.88	0.82	0.78	0.85	0.8	0.76	0.83	0.79	0.75	0.8	0.77	0.74
4	0.82	0.75	0.7	0.81	0.74	0.7	0.79	0.73	0.69	0.76	0.72	0.68	0.74	0.7	0.67
5	0.75	0.68	0.63	0.74	0.68	0.63	0.72	0.67	0.62	0.71	0.66	0.62	0.69	0.65	0.61
6	0.7	0.62	0.57	0.69	0.62	0.57	0.67	0.61	0.57	0.66	0.6	0.56	0.64	0.59	0.56
7	0.64	0.57	0.52	0.64	0.57	0.52	0.62	0.56	0.52	0.61	0.56	0.51	0.6	0.55	0.51
8	0.6	0.53	0.48	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.56	0.51	0.47
9	0.56	0.49	0.44	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.47	0.44
10	0.52	0.45	0.41	0.52	0.45	0.41	0.51	0.45	0.41	0.5	0.44	0.41	0.49	0.44	0.4

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: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.19	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	0.2	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.1	0.03
4	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	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	0.08	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	0.15	0.08	0.02	0.15	0.07	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	0.14	0.07	0.02	0.14	0.07	0.02	0.13	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	0.06	0.02	0.13	0.06	0.02	0.12	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	0.1	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	0.13	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	0.1	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	0.03	0.09	0.05	0.02	0.06	0.03	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: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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	20143	19752	19382	20693	21084	20457	19536	20152	0-5	484	484
10	20462	18878	20753	20575	20441	20354	19474	19443	5-10	1435	1919
15	18764	19150	20249	20000	19135	19747	19176	18364	10-15	2327	4246
20	16886	17785	19179	19059	19227	20297	18348	17039	15-20	3105	7351
25	14878	15840	17213	17583	17309	18566	18587	15394	20-25	3716	11067
30	12870	13389	14122	15398	14985	16045	16191	13290	25-30	3985	15052
35	10748	10570	10019	12349	12315	12746	12866	10689	30-35	3842	18894
40	8161	7408	5903	8582	9408	8951	9013	7826	35-40	3280	22174
45	5240	4383	3105	4966	6115	5255	5347	4995	40-45	2395	24568
50	3117	2449	1845	2460	3326	2751	2916	2812	45-50	1490	26058
55	2289	1766	1388	1495	2172	1790	1840	1845	50-55	952	27010
60	1512	1452	1141	1179	1490	1399	1398	1440	55-60	729	27739
65	1120	1213	901	986	1138	1154	1098	1179	60-65	596	28335
70	995	961	621	792	1014	885	785	904	65-70	498	28833
75	851	689	454	579	899	606	516	626	70-75	398	29231
80	726	388	320	358	754	353	355	355	75-80	290	29521
85	446	235	142	220	419	231	233	205	80-85	199	29720
90	82.6	78.7	78.3	76.8	85.2	87.1	84.2	86.6	85-90	80.7	29800
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: 2026-6-10

Remark:

Measured Para U: 230.2V I: 1326.0mA P: 296.90W PF: 0.973 Test LM: 29800.41lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 300W	Lamp Spec: LPFL-300BW01	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	20k	20k	20k	20k	19k	20k	20k	21k	21k	21k	21k	21k	20k	20k	20k	20k	20k	20k
10.0	20k	20k	19k	19k	20k	21k	21k	21k	20k	20k	20k	20k	20k	20k	19k	19k	20k	20k
15.0	19k	19k	19k	20k	20k	20k	20k	20k	20k	19k	19k	20k	20k	19k	19k	19k	18k	19k
20.0	17k	17k	18k	18k	19k	19k	19k	19k	19k	19k	20k	20k	20k	19k	18k	17k	17k	17k
25.0	15k	15k	16k	16k	17k	17k	17k	18k	17k	17k	18k	18k	19k	19k	18k	16k	15k	15k
30.0	13k	13k	13k	14k	14k	14k	15k	15k	15k	15k	15k	16k	16k	16k	16k	14k	13k	13k
35.0	11k	11k	11k	10k	10k	11k	12k	12k	12k	12k	13k	13k	13k	13k	12k	11k	11k	11k
40.0	8161	7832	7490	6914	6232	6489	7703	8672	9046	9408	9208	9001	8971	8999	8753	8215	7862	8014
45.0	5240	4865	4477	3964	3385	3512	4355	5092	5612	6115	5739	5349	5285	5327	5270	5110	5021	5133
50.0	3117	2825	2522	2251	1977	1980	2258	2555	2947	3326	3075	2814	2805	2880	2893	2846	2845	2984
55.0	2289	2061	1823	1642	1471	1412	1460	1569	1876	2172	2005	1832	1807	1829	1841	1844	1894	2095
60.0	1512	1486	1458	1350	1209	1149	1167	1213	1354	1490	1450	1409	1399	1398	1407	1426	1448	1481
65.0	1120	1161	1203	1111	969	919	958	1003	1072	1138	1145	1152	1135	1110	1116	1153	1173	1146
70.0	995	980	965	850	696	659	736	817	917	1014	958	899	852	807	811	865	914	955
75.0	851	780	707	612	506	481	538	614	759	899	771	638	577	536	540	590	651	753
80.0	726	578	425	365	335	328	345	401	581	754	578	397	354	355	355	355	396	564
85.0	446	354	258	205	162	159	194	242	332	419	337	251	232	233	227	214	232	341
90.0	82.6	80.9	79.2	78.6	78.4	78	77.3	77.7	81.5	85.2	86	86.9	86.1	84.8	84.7	85.8	86.1	84.3
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: 2026-6-10

Remark: