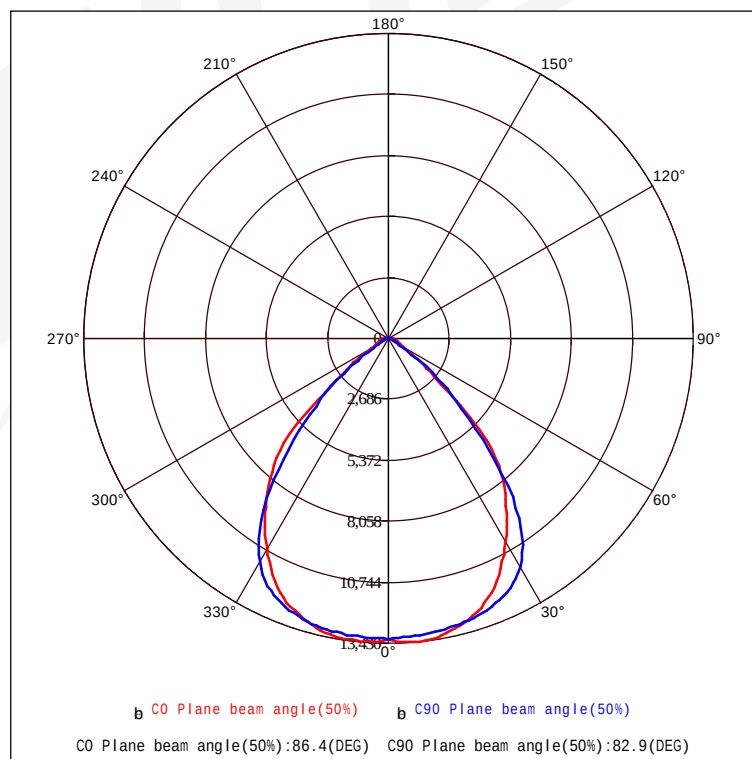


Goniophotometer Test Report

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: 200W			Lamp Spec: LPFL-200BW01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-200BW01		Peak Value(cd)	13443.6	Efficiency(lm/w)	120.6
Nominal P(w)		1.0	Position	0.0,6.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	22337.357	Down(C0-C180)	51.1
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)	48.9

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

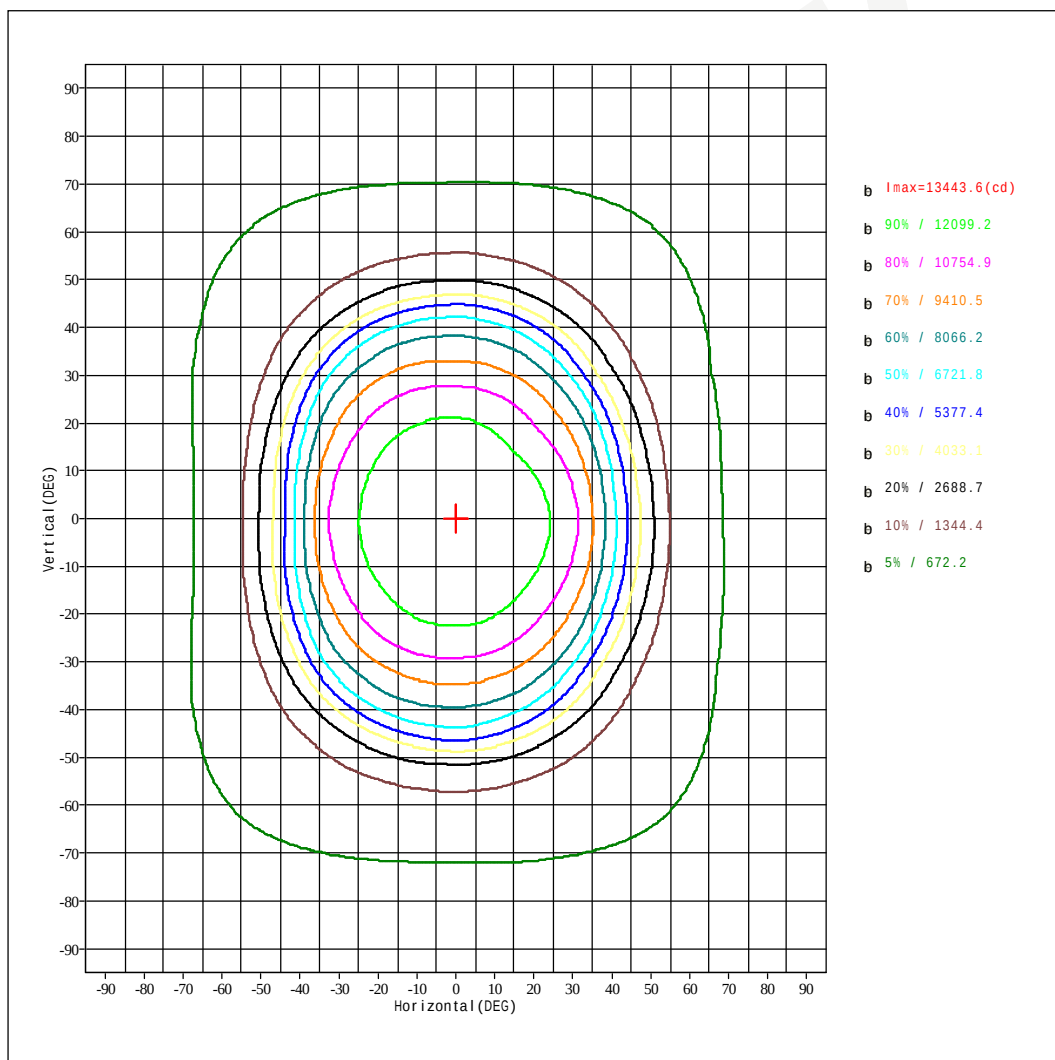
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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

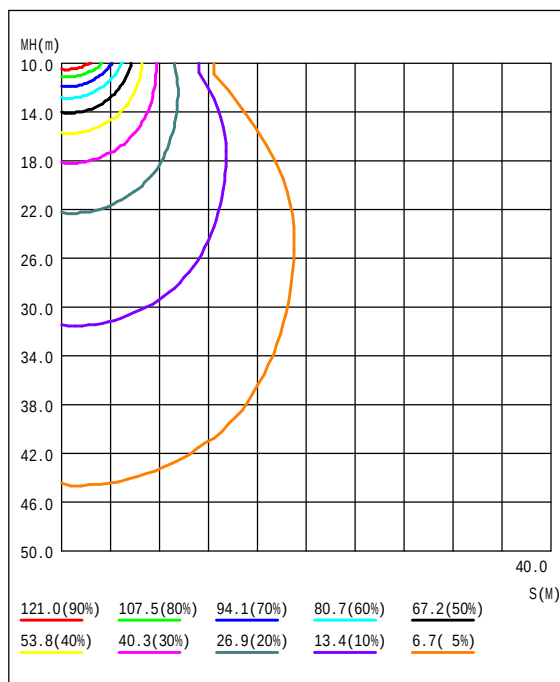
Humidity(%): 60

Date: 2026-6-14

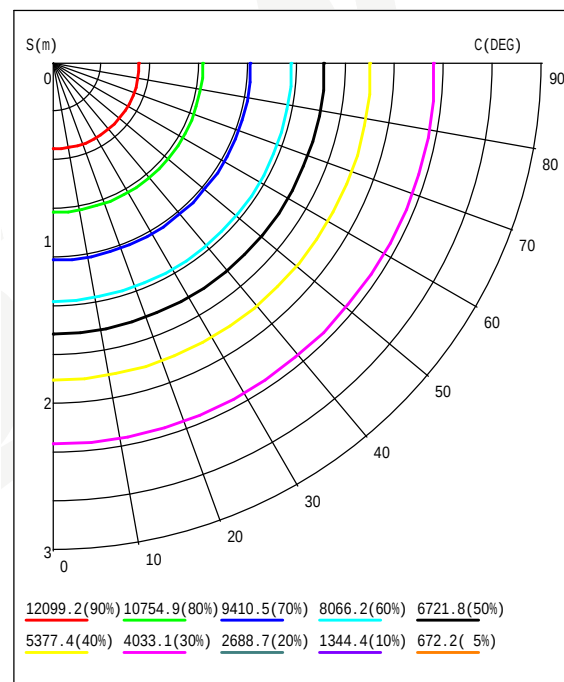
Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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: 2026-6-14

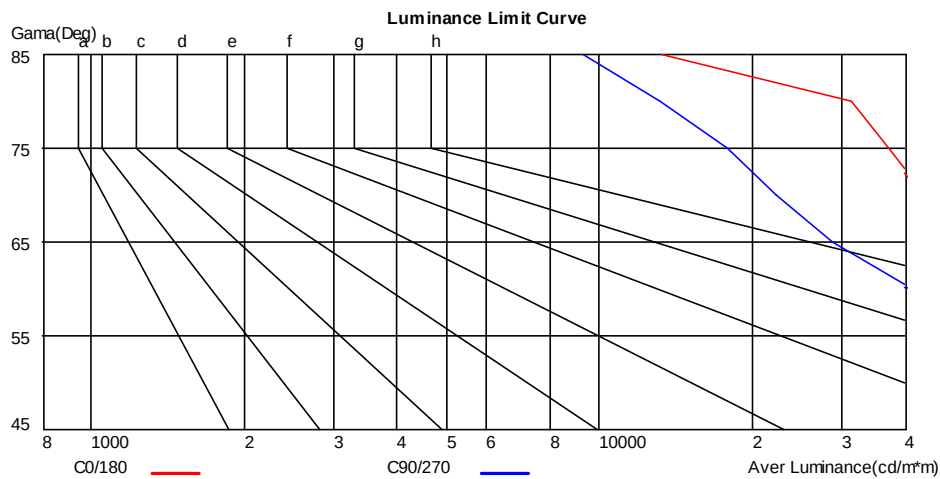
Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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	537016.0	244634.0	146702.6	65235.2	52480.0	43649.2	37283.1	31453.1	13283.9
C90	473061.7	298174.3	105340.7	41710.3	28893.3	22285.7	17896.3	13191.8	9337.0

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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

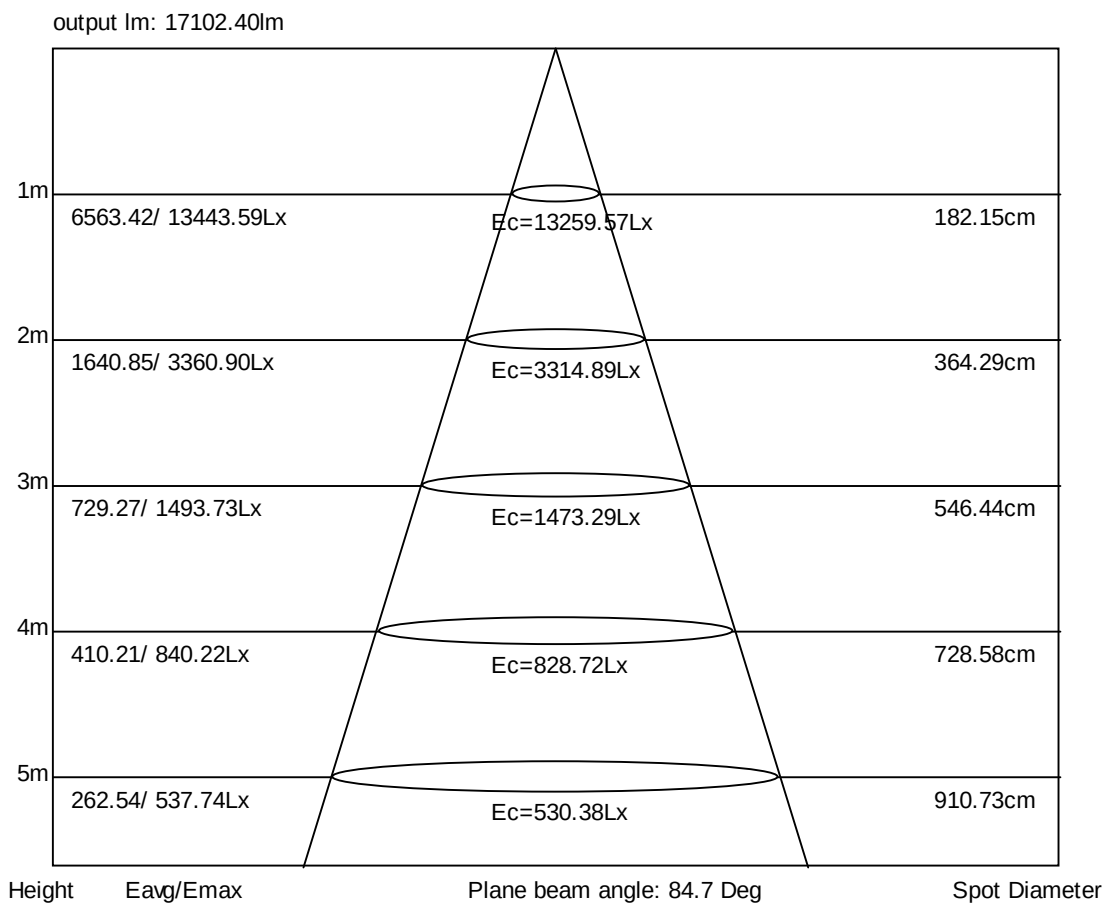
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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

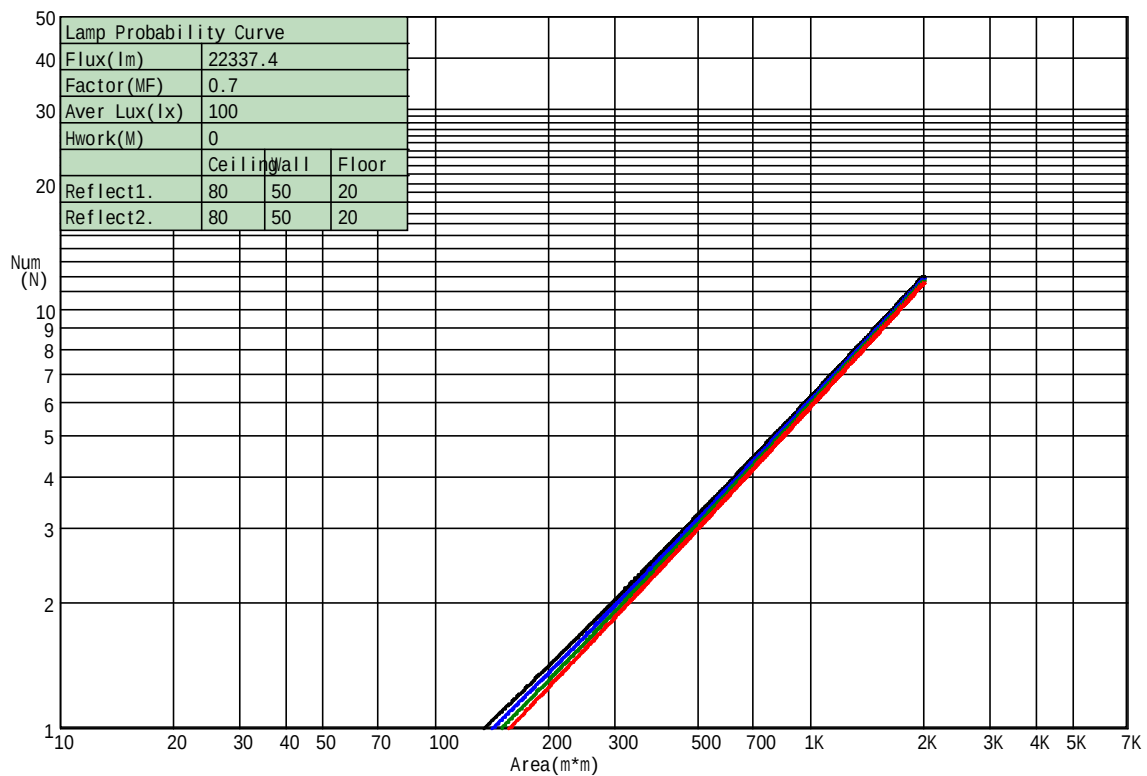
Humidity(%): 60

Date: 2026-6-14

Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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: 2026-6-14

Remark:

Measured Para U: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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	46	37	58	45	37	55	44	37
0.80	60	45	35	58	44	34	54	42	33
1.00	62	45	33	59	44	33	55	41	32
1.25	63	45	32	60	43	31	55	40	30
1.50	64	45	31	61	44	30	55	40	29
2.00	66	47	31	63	45	30	56	41	28
2.50	68	48	31	64	45	30	56	41	27
3.00	69	49	32	65	46	30	57	41	27
4.00	71	50	32	66	47	31	58	42	28
5.00	72	52	33	67	48	32	58	43	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	0.93	0.92
2	0.99	0.94	0.89	0.97	0.92	0.88	0.94	0.9	0.86	0.9	0.87	0.85	0.88	0.85	0.83
3	0.9	0.84	0.79	0.88	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.74
4	0.82	0.75	0.7	0.81	0.75	0.7	0.79	0.73	0.69	0.76	0.72	0.68	0.75	0.7	0.67
5	0.75	0.68	0.63	0.74	0.68	0.63	0.72	0.66	0.62	0.7	0.65	0.61	0.69	0.64	0.61
6	0.69	0.62	0.57	0.68	0.61	0.56	0.67	0.61	0.56	0.65	0.6	0.56	0.64	0.59	0.55
7	0.64	0.56	0.51	0.63	0.56	0.51	0.62	0.55	0.51	0.6	0.55	0.51	0.59	0.54	0.5
8	0.59	0.52	0.47	0.58	0.51	0.47	0.57	0.51	0.46	0.56	0.5	0.46	0.55	0.5	0.46
9	0.55	0.48	0.43	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.42	0.51	0.46	0.42
10	0.51	0.44	0.39	0.5	0.44	0.39	0.5	0.43	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: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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	0.1	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	0.09	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	0.16	0.08	0.02	0.15	0.08	0.02	0.14	0.08	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	0.07	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: 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: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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	13413	13272	13163	13083	13413	13265	13193	13170	0-5	317	317
10	13283	13211	13049	13062	13326	13212	13160	13033	5-10	946	1263
15	12905	13001	12917	12923	13012	12951	12999	12761	10-15	1549	2812
20	12311	12563	12717	12581	12550	12525	12700	12224	15-20	2099	4911
25	11403	11874	12277	11985	11746	11783	12214	11352	20-25	2557	7467
30	10196	10840	11515	11039	10584	10649	11253	10237	25-30	2866	10333
35	8908	9541	9998	9739	9307	9285	9565	8953	30-35	2978	13311
40	7569	8002	7493	8226	7955	7475	7276	7126	35-40	2852	16163
45	5370	5717	4731	6149	6285	4879	4980	4410	40-45	2410	18573
50	2446	2925	2982	3292	3207	2705	3111	2362	45-50	1623	20196
55	1467	1541	1053	1734	1784	1199	1219	995	50-55	902	21098
60	652	587	417	638	817	499	443	480	55-60	407	21505
65	525	443	289	448	561	383	302	378	60-65	231	21736
70	436	344	223	352	458	303	234	295	65-70	188	21924
75	373	254	179	272	392	211	189	195	70-75	154	22078
80	315	174	132	184	363	165	156	152	75-80	124	22202
85	133	116	93.4	135	210	108	106	83.7	80-85	91.9	22293
90	59	57.9	57.9	58.6	61.6	61.3	61	61.8	85-90	43.9	22337
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: 226.0V I: 838.0mA P: 185.20W PF: 0.978 Test LM: 22337.36lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: 200W	Lamp Spec: LPFL-200BW01	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	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k
10.0	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k
15.0	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k
20.0	12k	12k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	12k	12k	12k
25.0	11k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	12k	11k	11k
30.0	10k	10k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	10k	10k
35.0	8908	9185	9472	9691	9898	9941	9824	9691	9496	9307	9297	9288	9377	9504	9431	9153	8948	8928
40.0	7569	7758	7955	7835	7604	7653	7985	8196	8074	7955	7745	7528	7410	7320	7244	7175	7175	7375
45.0	5370	5522	5679	5394	4946	5041	5683	6163	6225	6285	5670	5033	4912	4958	4855	4597	4515	4950
50.0	2446	2656	2873	2944	2969	3050	3190	3282	3244	3207	2987	2760	2839	3022	2947	2608	2371	2410
55.0	1467	1499	1533	1381	1160	1202	1510	1739	1762	1784	1528	1263	1206	1215	1170	1069	1047	1261
60.0	652	624	594	531	454	465	566	658	739	817	678	534	481	455	451	468	499	577
65.0	525	489	452	392	323	324	396	460	511	561	483	402	357	320	319	353	394	461
70.0	436	396	354	304	249	251	309	363	411	458	390	320	280	249	247	275	310	374
75.0	373	321	267	230	195	199	241	285	339	392	313	231	204	194	190	193	214	295
80.0	315	253	190	160	141	143	167	204	285	363	276	187	162	158	155	153	169	243
85.0	133	126	118	109	98.4	103	122	144	178	210	165	119	107	106	101	90.9	89.1	111
90.0	59	58.5	58	57.9	57.9	58	58.4	58.9	60.3	61.6	61.5	61.4	61.2	61.1	61.2	61.5	61.5	60.2
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: 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: