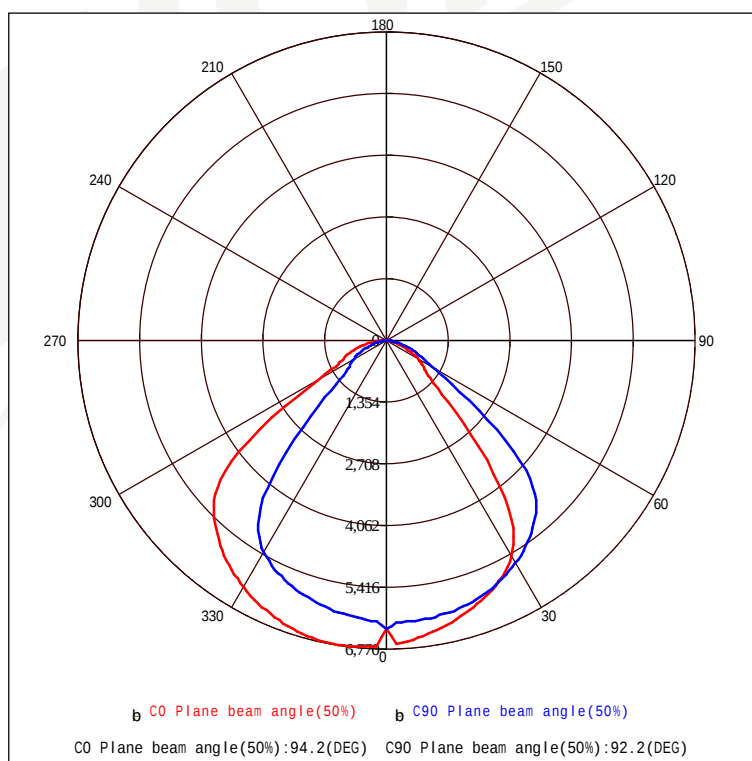


Goniophotometer Test Report

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm						
Lamp Name: LED UFO LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPUF-150E01			Lamp Spec: LPHB-150W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPHB-150W		Peak Value(cd)	6764.4	Efficiency(lm/w)	100.8
Nominal P(w)		1.0	Position	180.0,8.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	13976.525	Down(C0-C180)	56.3
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)	43.7

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

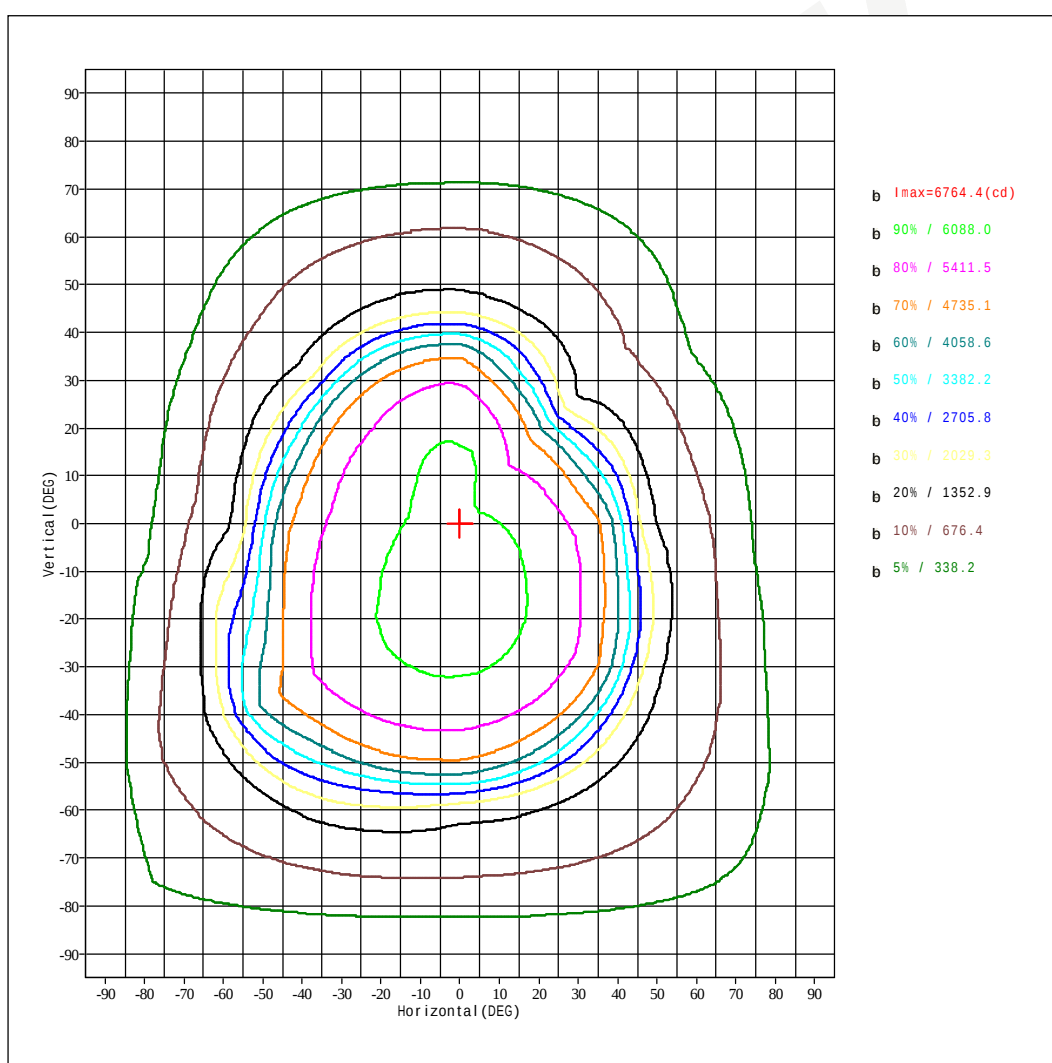
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

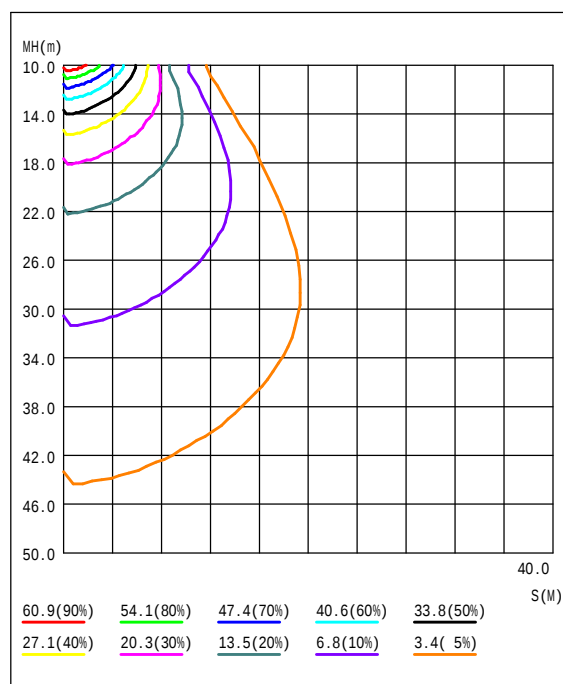
Humidity(%): 60

Date: 2025-2-19

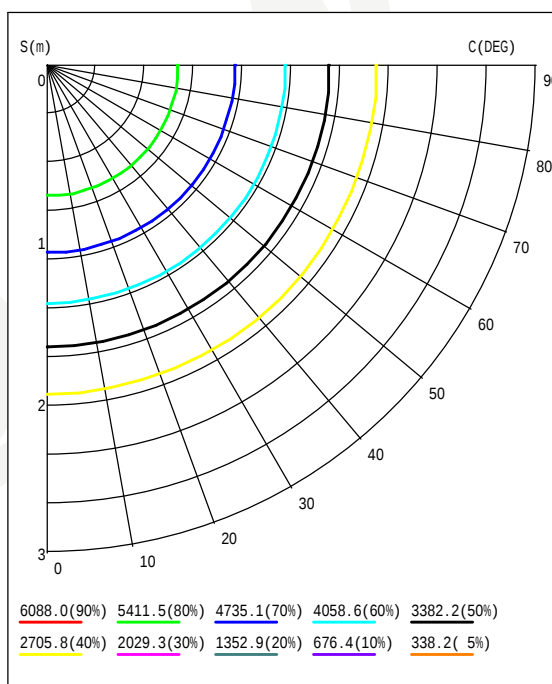
Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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): 25

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: 2025-2-19

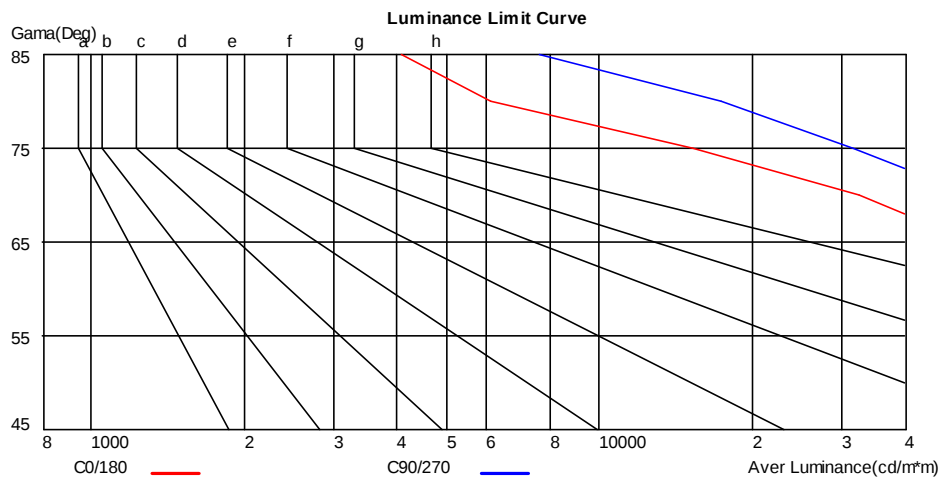
Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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	180267.1	115631.7	96685.3	76921.2	54632.6	32643.3	15334.6	6113.7	4092.5
C90	445961.7	325915.7	184343.4	110807.6	81768.8	54992.7	31624.1	17455.8	7631.3

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): 25

Tester: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

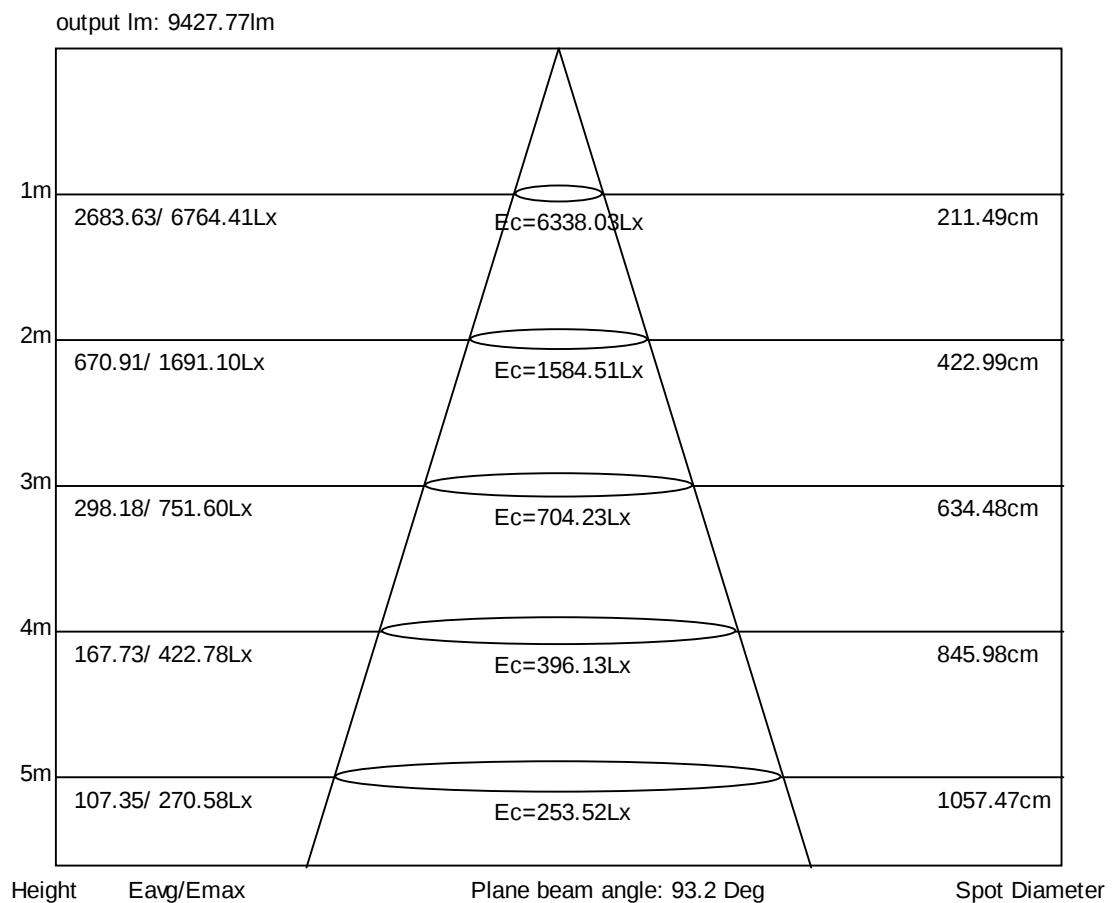
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

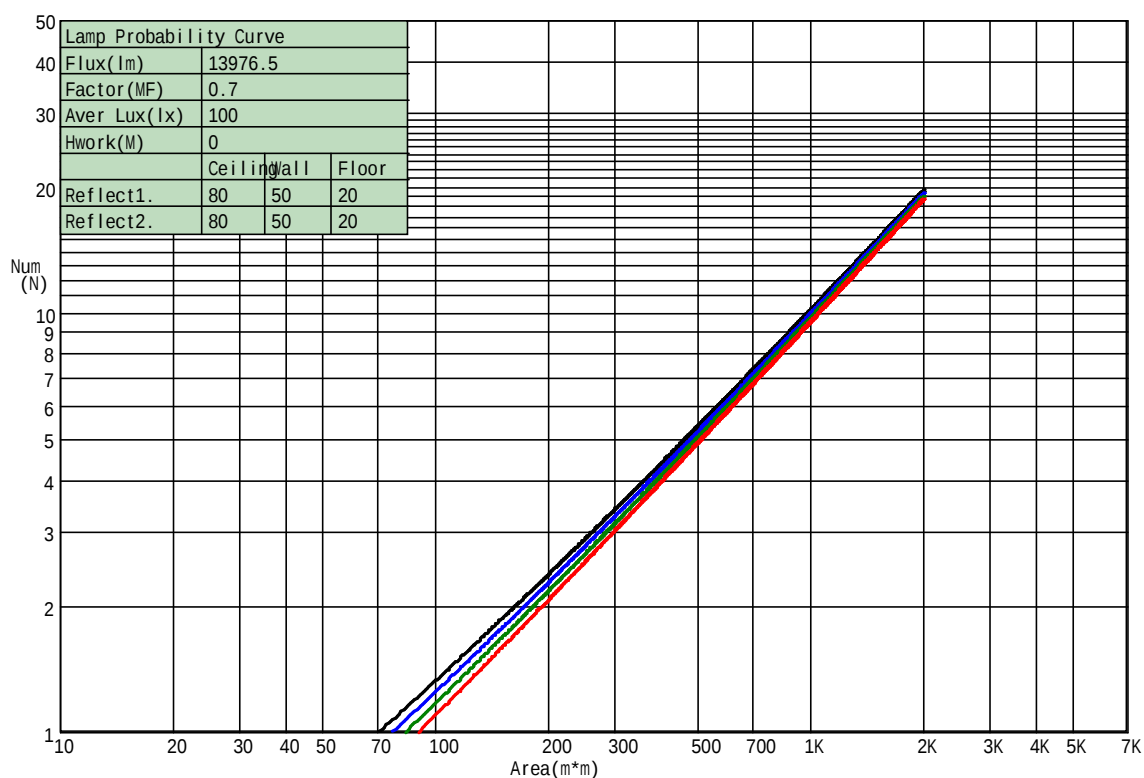
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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): 25

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: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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	51	36	26	49	35	26	46	34	25
0.80	55	38	26	52	37	26	48	35	25
1.00	57	39	27	55	38	26	50	36	25
1.25	60	41	27	57	39	26	51	36	25
1.50	62	42	27	58	40	26	52	37	25
2.00	64	44	28	61	42	27	53	38	25
2.50	66	45	28	62	43	27	54	38	25
3.00	67	47	29	63	44	27	55	39	25
4.00	69	48	30	64	45	28	56	39	25
5.00	70	49	30	65	46	29	56	40	25

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	1.07	1.03	1	1.04	1.01	0.98	1	0.97	0.95	0.96	0.94	0.92	0.93	0.91	0.89
2	0.95	0.89	0.84	0.93	0.88	0.83	0.9	0.85	0.81	0.87	0.83	0.79	0.84	0.8	0.78
3	0.85	0.78	0.72	0.83	0.77	0.72	0.81	0.75	0.7	0.78	0.73	0.69	0.75	0.71	0.68
4	0.76	0.69	0.63	0.75	0.68	0.62	0.73	0.66	0.61	0.7	0.65	0.61	0.68	0.64	0.6
5	0.69	0.61	0.55	0.68	0.6	0.55	0.66	0.59	0.54	0.64	0.58	0.54	0.62	0.57	0.53
6	0.63	0.55	0.49	0.62	0.54	0.49	0.6	0.53	0.48	0.59	0.52	0.48	0.57	0.52	0.47
7	0.57	0.49	0.44	0.57	0.49	0.43	0.55	0.48	0.43	0.54	0.48	0.43	0.52	0.47	0.43
8	0.53	0.45	0.39	0.52	0.44	0.39	0.51	0.44	0.39	0.49	0.43	0.39	0.48	0.43	0.39
9	0.49	0.41	0.36	0.48	0.41	0.36	0.47	0.4	0.35	0.46	0.4	0.35	0.45	0.39	0.35
10	0.45	0.37	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.32

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

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: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm															
Lamp Name: LED UFO LIGHT								Lamp Type:				Weight(kg):			
Lamp ID: LPHB-150W								Lamp Spec: LPHB-150W				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	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04
2	0.25	0.14	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
3	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.04	0.2	0.11	0.03
4	0.22	0.11	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03
5	0.21	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
6	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
7	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02
8	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
9	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02
10	0.15	0.07	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

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	0.18	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	0.14	0.09	0.05	0.12	0.08	0.04	0.08	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	0.02	0.02	0.01	0.01
7	0.13	0.07	0.04	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.12	0.07	0.03	0.11	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.05	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	0.1	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)

Gama interval(Deg): 1

Temperature(Deg): 25

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: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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	6577	6380	6190	6163	6747	6453	6129	5911	0-5	151	151
10	6423	6269	6155	6250	6759	6416	6047	5756	5-10	450	601
15	6253	6121	6087	6297	6701	6340	5941	5568	10-15	737	1338
20	6053	5935	5980	6302	6590	6231	5793	5301	15-20	1004	2343
25	5802	5699	5830	6268	6433	6092	5607	4742	20-25	1242	3584
30	5436	5401	5630	6177	6236	5918	5354	3571	25-30	1429	5013
35	4677	4962	5375	6035	5991	5701	4847	2027	30-35	1537	6550
40	3248	4054	5042	5836	5684	5379	3745	1166	35-40	1543	8093
45	1803	2551	4460	5573	5314	4696	2204	936	40-45	1427	9520
50	1156	1394	3259	5239	4676	3279	1259	791	45-50	1224	10744
55	967	1000	1843	4838	3223	1791	975	615	50-55	982	11726
60	769	800	1108	4141	1651	1127	821	420	55-60	742	12468
65	546	574	818	2769	1094	954	635	243	60-65	559	13027
70	326	343	550	1404	879	768	424	99.4	65-70	388	13414
75	153	162	316	963	629	552	230	44.1	70-75	251	13665
80	61.1	64.6	175	731	373	328	93.4	37.4	75-80	162	13827
85	40.9	41.1	76.3	469	173	151	44.2	39.6	80-85	96.6	13924
90	42.8	42	47.2	229	55.6	71.5	37.5	41.9	85-90	52.6	13977
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): 25

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: 2025-2-19

Remark:

Measured Para U: 231.5V I: 976.0mA P: 138.70W PF: 0.613 Test LM: 13976.52lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-150W	Lamp Spec: LPHB-150W	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	6577	6491	6401	6318	6232	6184	6172	6227	6491	6747	6618	6485	6347	6200	6082	5983	5984	6286
10.0	6423	6356	6286	6232	6180	6176	6219	6305	6536	6759	6609	6454	6295	6128	5984	5852	5829	6131
15.0	6253	6195	6135	6109	6094	6133	6228	6341	6524	6701	6543	6379	6209	6028	5859	5690	5643	5953
20.0	6053	6001	5948	5950	5970	6050	6196	6333	6464	6590	6433	6270	6087	5889	5685	5462	5383	5724
25.0	5802	5757	5711	5742	5801	5926	6124	6286	6361	6433	6284	6130	5933	5713	5418	5026	4858	5338
30.0	5436	5421	5405	5476	5580	5750	5998	6184	6211	6236	6097	5952	5733	5477	4964	4156	3775	4620
35.0	4677	4802	4931	5097	5284	5519	5818	6030	6010	5991	5864	5733	5421	5034	4230	2953	2317	3518
40.0	3248	3601	3965	4378	4826	5216	5576	5820	5751	5684	5551	5413	4843	4102	3181	2013	1394	2338
45.0	1803	2130	2469	3177	4042	4703	5208	5545	5427	5314	5044	4764	3878	2749	1926	1352	1031	1423
50.0	1156	1260	1368	2006	2851	3692	4589	5177	4922	4676	4065	3432	2616	1701	1156	945	831	997
55.0	967	981	996	1277	1659	2499	3855	4661	3929	3223	2596	1948	1523	1153	896	733	653	813
60.0	769	783	797	901	1041	1771	3146	3868	2740	1651	1422	1184	1027	888	734	552	458	616
65.0	546	559	571	654	764	1244	2128	2586	1827	1094	1033	969	849	705	549	371	276	414
70.0	326	334	341	411	505	737	1124	1347	1109	879	830	780	655	499	353	206	124	227
75.0	153	157	161	212	282	458	751	927	775	629	595	560	446	300	189	105	56	106
80.0	61.1	62.6	64.2	101	151	296	548	692	530	373	354	333	251	145	81.1	55.8	40	50.8
85.0	40.9	41	41	52.6	68.6	162	340	437	302	173	163	153	116	67.5	43.2	41.1	39.7	40.3
90.0	42.8	42.4	42.1	43.7	46	86.9	169	210	131	55.6	62.6	69.7	60.3	44.9	38.5	40.5	42	42.4
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): 25

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: 2025-2-19

Remark: