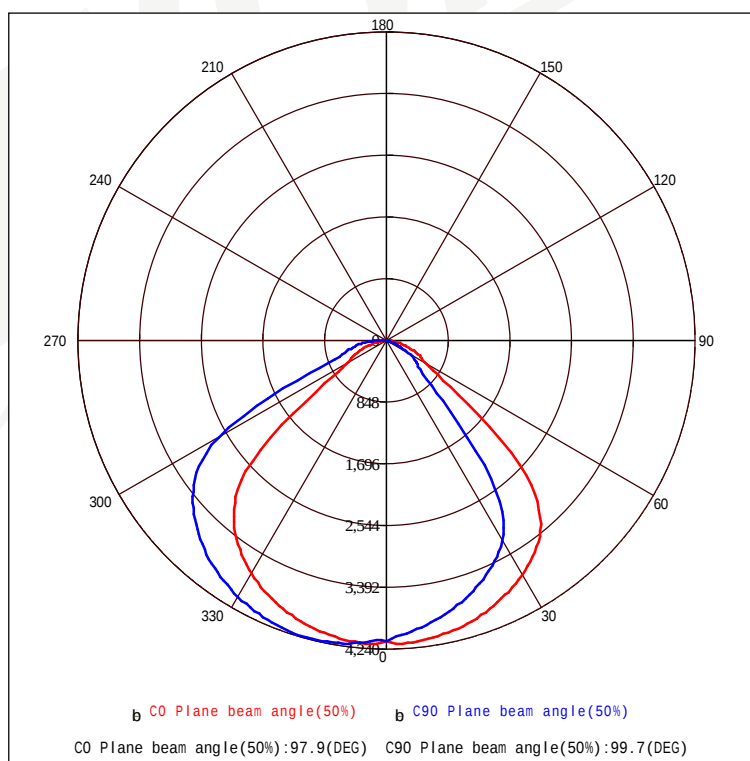


Goniophotometer Test Report

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm						
Lamp Name: LED UFO LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPUF-100E01			Lamp Spec: LPHB-100W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPHB-100W		Peak Value(cd)	4233.6	Efficiency(lm/w)	103.2
Nominal P(w)		1.0	Position	270.0,14.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	9549.307	Down(C0-C180)	38.2
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)	61.8

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

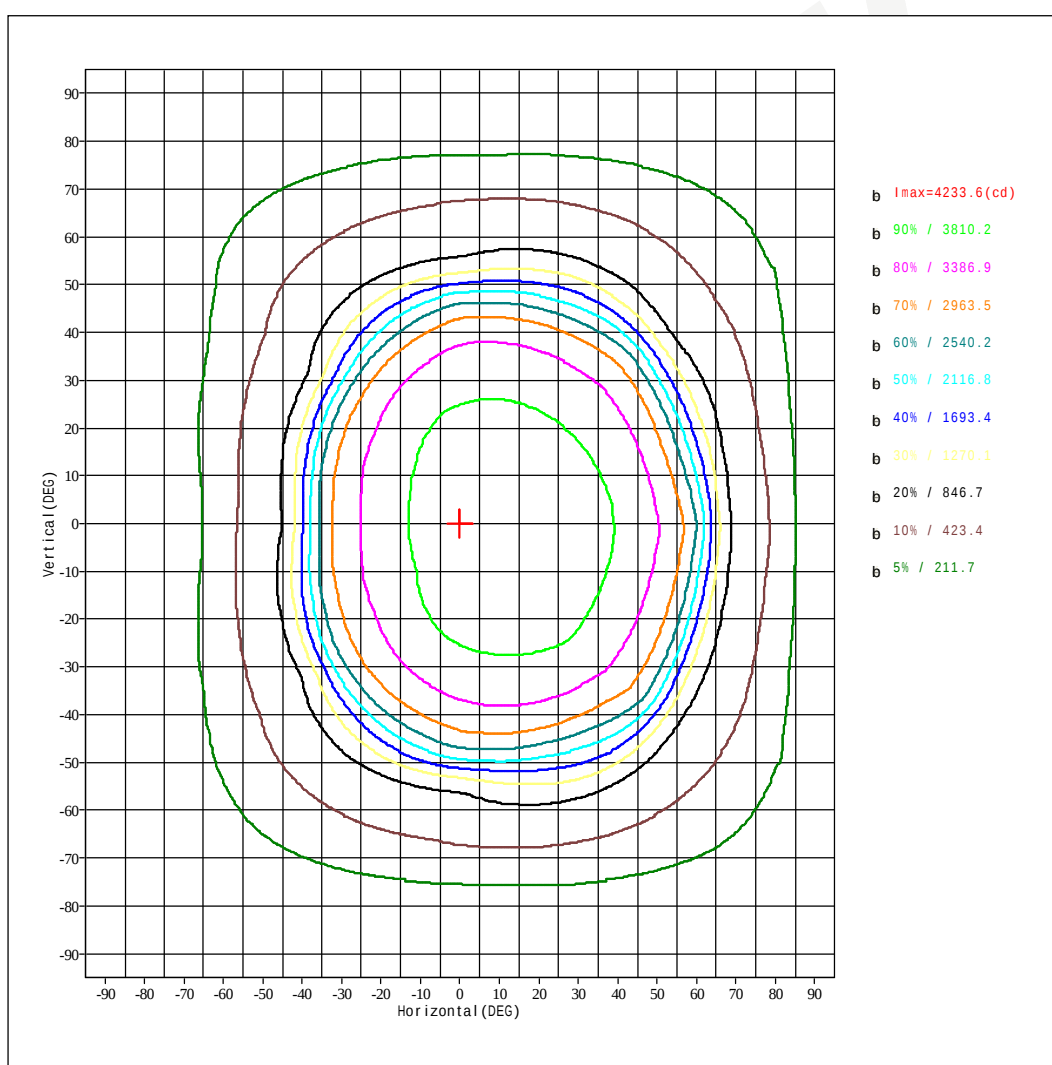
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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

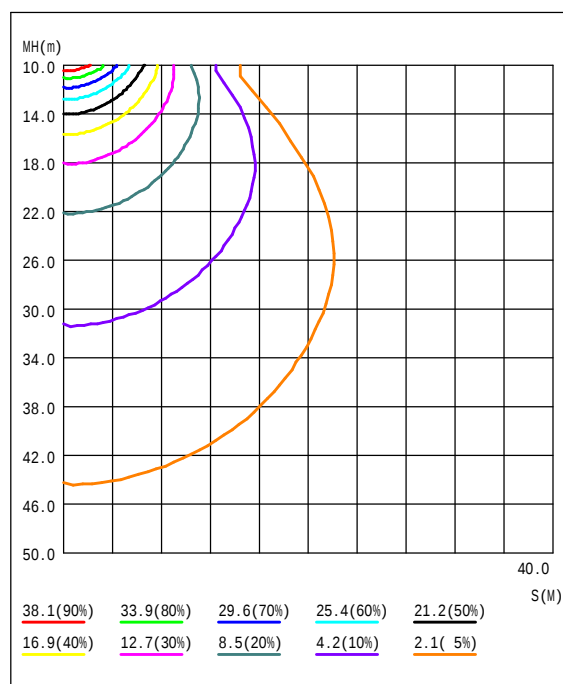
Humidity(%): 60

Date: 2025-2-19

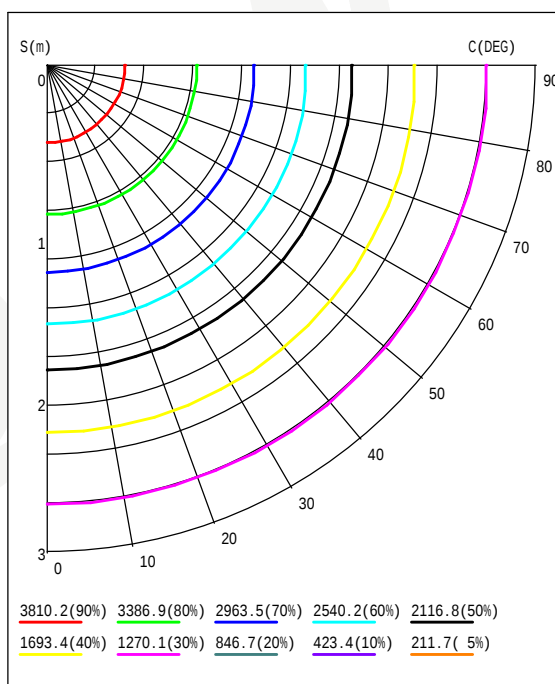
Remark:

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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

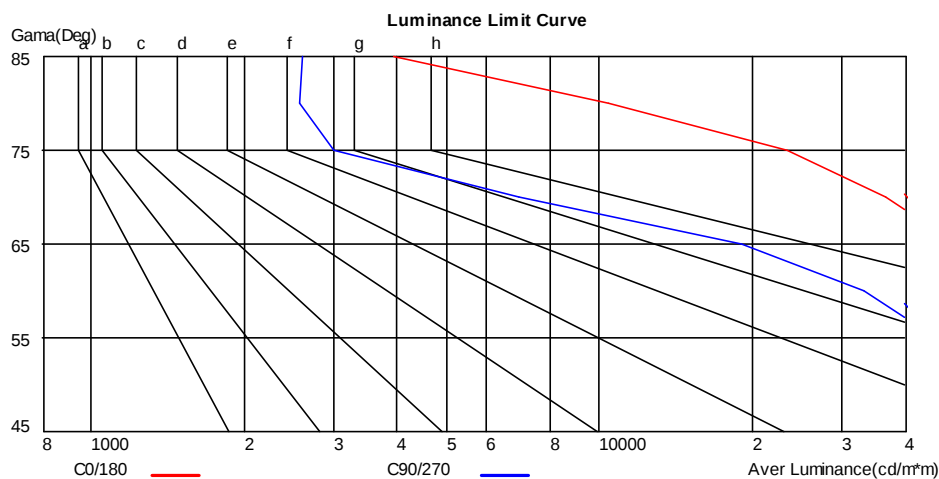
Remark:

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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	273770.8	174423.8	89921.4	60284.2	49439.0	36827.4	23518.5	10433.1	3932.7
C90	81558.5	57535.8	46583.3	33176.4	19063.9	6952.1	3005.2	2567.6	2612.7

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: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

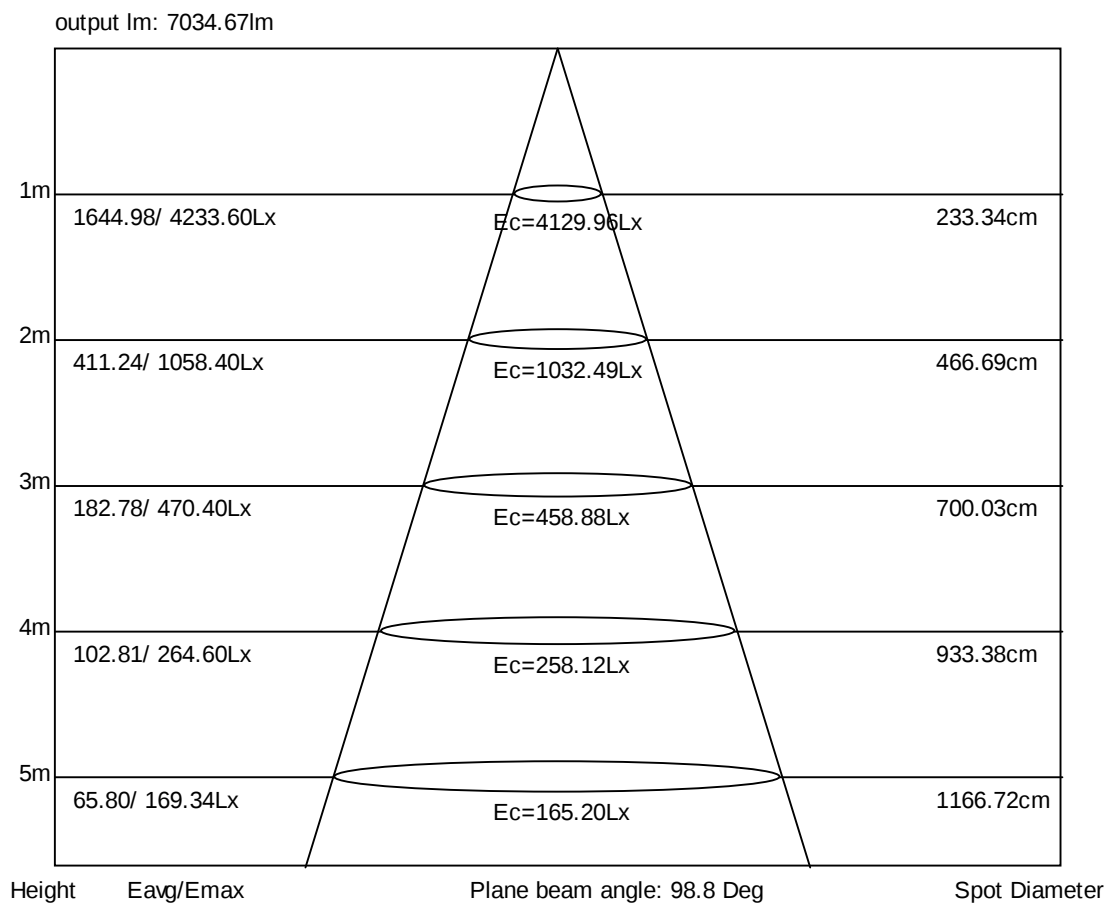
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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

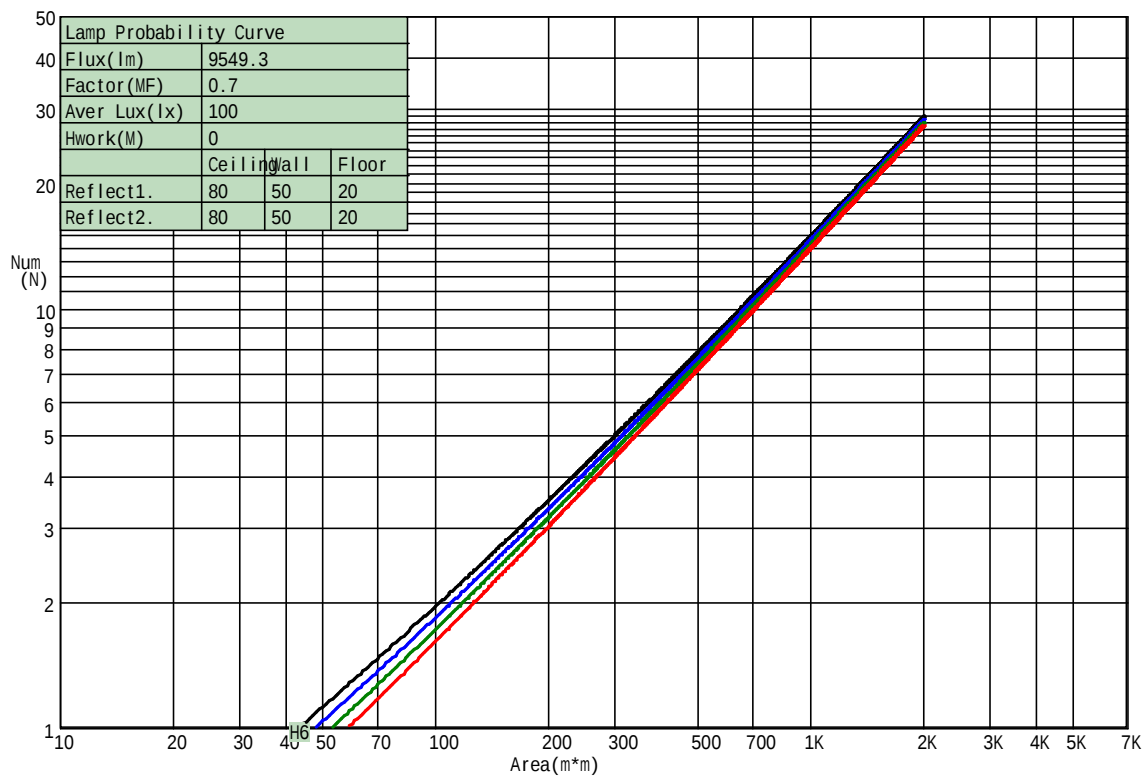
Humidity(%): 60

Date: 2025-2-19

Remark:

Measured Para U: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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	38	58	45	37	55	44	37
0.80	61	46	35	59	45	35	55	43	34
1.00	63	46	35	60	45	34	55	42	33
1.25	64	46	33	61	45	32	55	42	31
1.50	65	47	33	62	45	32	56	41	30
2.00	67	48	33	64	46	32	57	42	30
2.50	68	49	32	64	46	31	57	41	29
3.00	69	49	32	65	47	31	57	42	28
4.00	71	51	33	66	48	31	58	42	28
5.00	72	52	34	67	49	32	59	43	29

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	0.86	0.83	0.79	0.84	0.8	0.78
3	0.85	0.78	0.72	0.83	0.77	0.71	0.8	0.75	0.7	0.78	0.73	0.69	0.75	0.71	0.68
4	0.76	0.68	0.62	0.75	0.68	0.62	0.72	0.66	0.61	0.7	0.65	0.6	0.68	0.63	0.59
5	0.69	0.61	0.55	0.68	0.6	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.53
6	0.62	0.54	0.48	0.61	0.54	0.48	0.6	0.53	0.48	0.58	0.52	0.47	0.57	0.51	0.47
7	0.57	0.49	0.43	0.56	0.48	0.43	0.55	0.48	0.43	0.53	0.47	0.42	0.52	0.46	0.42
8	0.52	0.44	0.39	0.51	0.44	0.39	0.5	0.43	0.38	0.49	0.43	0.38	0.48	0.42	0.38
9	0.48	0.4	0.35	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.35	0.44	0.39	0.34
10	0.44	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.31	0.41	0.35	0.31

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: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03
4	0.22	0.11	0.03	0.22	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	0.11	0.03	0.2	0.1	0.03	0.2	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	0.03	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	0.16	0.08	0.02	0.15	0.08	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	0.05	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	0.06	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: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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	4164	4070	4003	4020	4167	4200	4178	4122	0-5	98.6	98.6
10	4122	3974	3894	3936	4130	4216	4220	4127	5-10	293	392
15	4055	3857	3755	3830	4064	4203	4234	4099	10-15	480	872
20	3966	3718	3595	3700	3967	4163	4203	4047	15-20	654	1525
25	3854	3552	3399	3538	3840	4089	4144	3975	20-25	810	2335
30	3708	3350	3142	3338	3688	3989	4065	3874	25-30	942	3277
35	3536	3017	2636	3072	3492	3860	3956	3745	30-35	1042	4319
40	3269	2284	1614	2562	3233	3695	3826	3587	35-40	1077	5395
45	2738	1248	816	1552	2833	3487	3660	3383	40-45	1013	6408
50	1744	671	575	775	1967	3196	3447	3040	45-50	885	7294
55	899	537	466	571	963	2766	3147	2283	50-55	731	8024
60	603	420	332	449	608	1748	2569	1225	55-60	565	8589
65	494	290	191	311	483	817	1459	651	60-65	377	8966
70	368	155	69.5	168	337	572	711	519	65-70	233	9199
75	235	63.2	30.1	68.1	183	432	546	392	70-75	156	9355
80	104	28	25.7	30.8	69.3	272	400	247	75-80	103	9459
85	39.3	24.1	26.1	26.1	22.3	124	241	118	80-85	60.2	9519
90	25	24.8	26.3	26.3	15.8	53.6	97	54.4	85-90	30.5	9549
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: 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: 231.7V I: 677.0mA P: 92.50W PF: 0.589 Test LM: 9549.31lm		
Lamp Name: LED UFO LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-100W	Lamp Spec: LPHB-100W	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	4164	4123	4081	4048	4018	4007	4014	4036	4103	4167	4182	4196	4193	4183	4166	4141	4127	4146
10.0	4122	4057	3990	3948	3912	3903	3922	3957	4045	4130	4168	4207	4217	4219	4200	4157	4126	4124
15.0	4055	3969	3879	3824	3778	3772	3805	3855	3961	4064	4125	4187	4213	4227	4204	4143	4095	4075
20.0	3966	3857	3745	3678	3622	3618	3666	3729	3850	3967	4053	4141	4176	4194	4169	4098	4038	4001
25.0	3854	3722	3585	3502	3433	3430	3492	3571	3708	3840	3949	4062	4107	4132	4107	4030	3962	3907
30.0	3708	3551	3389	3282	3188	3185	3274	3377	3535	3688	3820	3956	4014	4048	4023	3937	3856	3781
35.0	3536	3309	3074	2892	2720	2732	2929	3118	3308	3492	3653	3820	3892	3935	3909	3814	3722	3627
40.0	3269	2838	2392	2064	1761	1822	2251	2636	2940	3233	3435	3645	3738	3797	3774	3666	3553	3408
45.0	2738	2086	1411	1106	910	977	1310	1692	2272	2833	3119	3416	3544	3622	3600	3474	3313	3020
50.0	1744	1275	788	639	596	619	709	905	1445	1967	2504	3061	3278	3392	3358	3173	2898	2311
55.0	899	741	577	514	481	489	537	614	791	963	1752	2569	2891	3064	2958	2566	2131	1504
60.0	603	523	440	391	351	357	411	467	539	608	1107	1624	2018	2390	2275	1666	1157	875
65.0	494	405	312	257	212	217	271	329	408	483	629	780	1028	1318	1282	916	634	563
70.0	368	275	179	127	88.3	91	136	186	263	337	440	546	617	680	669	582	503	434
75.0	235	160	82	52.3	37.3	38.4	55.6	80.7	133	183	292	405	469	521	512	442	374	304
80.0	104	70.9	36.4	27.2	26.2	26.8	29.1	35	52.5	69.3	158	250	314	372	366	297	231	167
85.0	39.3	32.7	25.8	24.8	25.7	26.1	26.1	25.7	24	22.3	66.9	113	162	215	214	158	110	73.8
90.0	25	24.9	24.8	25.3	25.9	26.3	26.3	25.1	20.4	15.8	32.3	49.4	67.8	87.5	87.7	68.4	51.2	37.9
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: