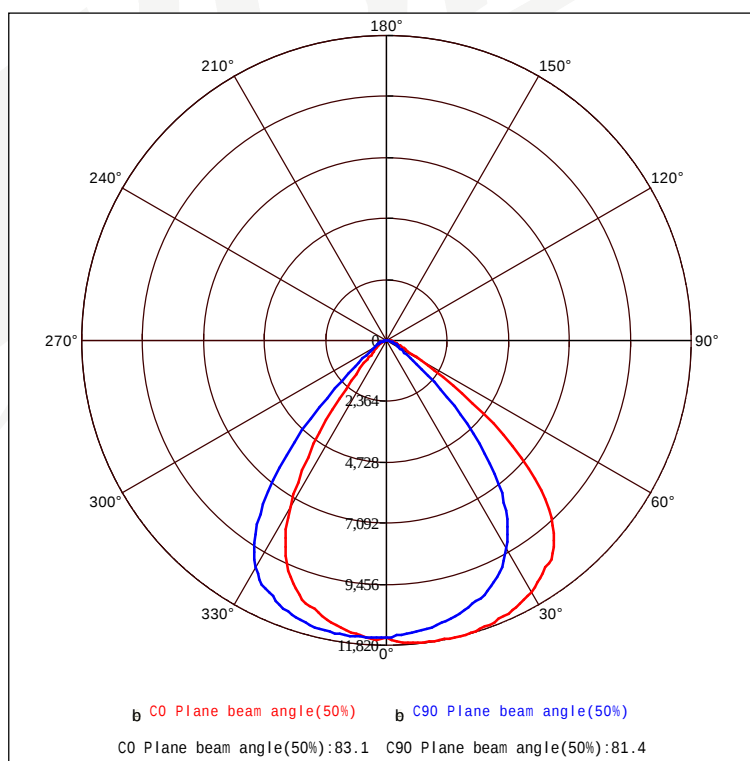


LED UFO LIGHT

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm						
Lamp Name: LPHB-150W			Lamp Type:		Weight(kg):	
Lamp ID:			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)	11820.7	Efficiency(lm/w)	128.8
Nominal P(w)		1.0	Position	0.0,13.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	19051.080	Down(C0-C180)	51.6
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)	48.4

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

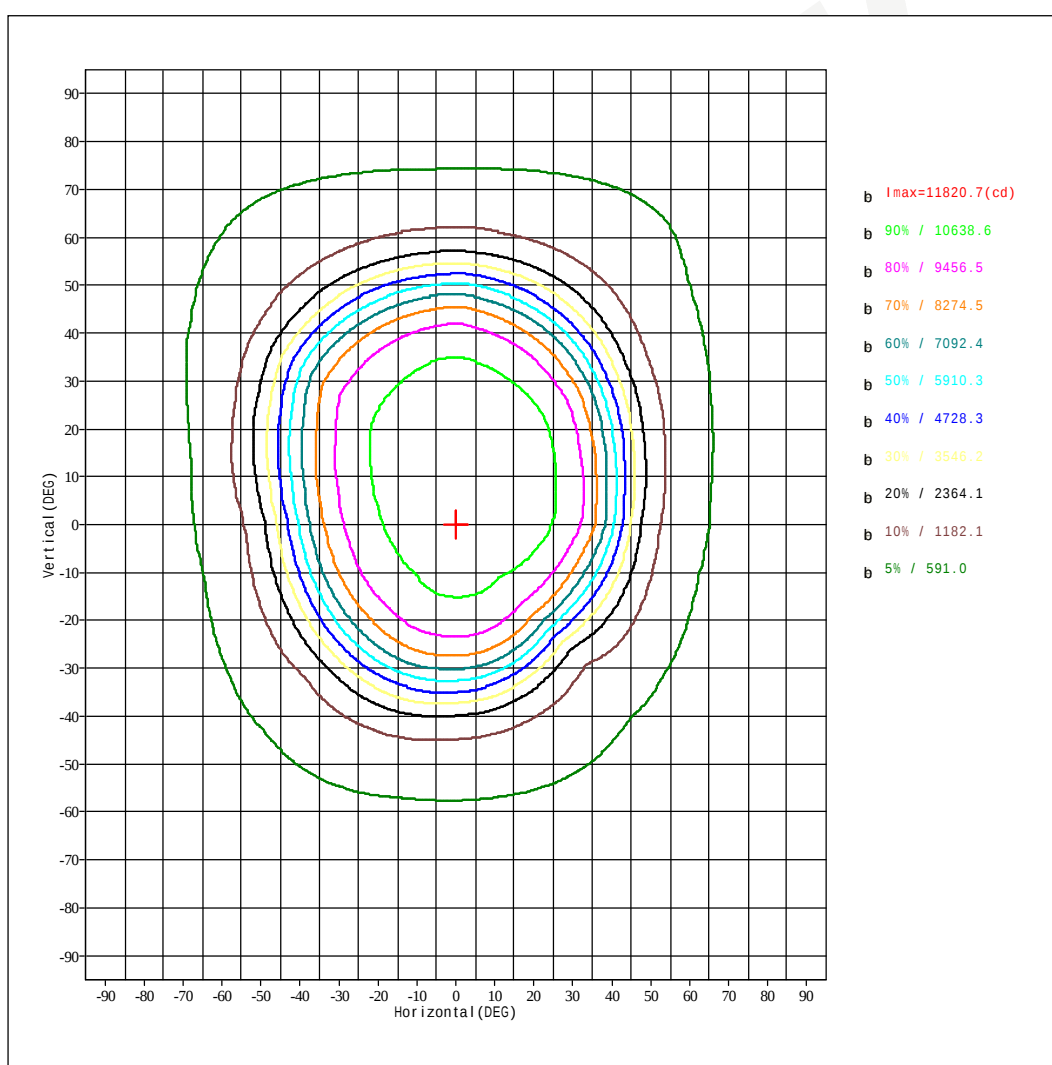
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

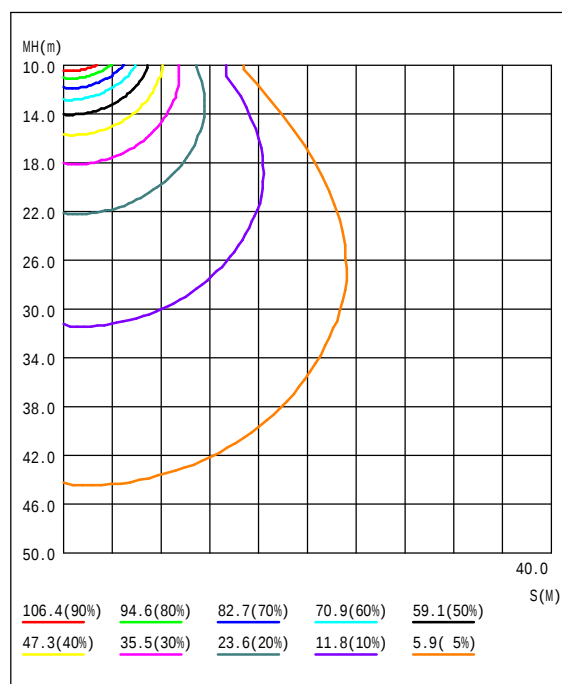
Humidity(%): 60

Date: 2021-10-11

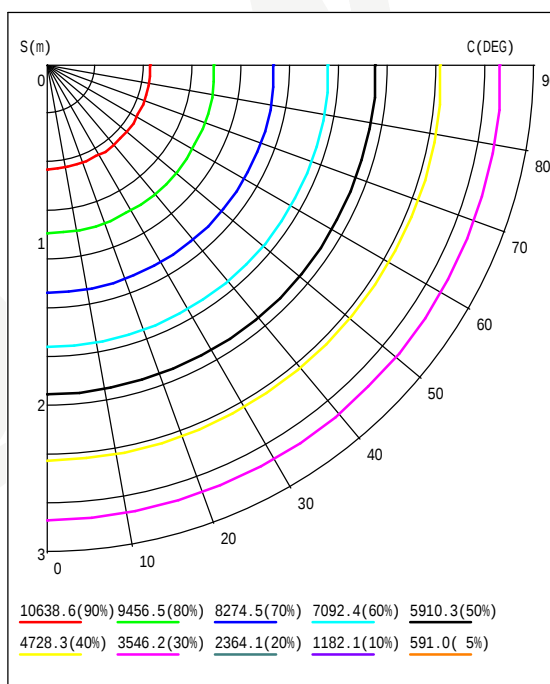
Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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): 30

Tester: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

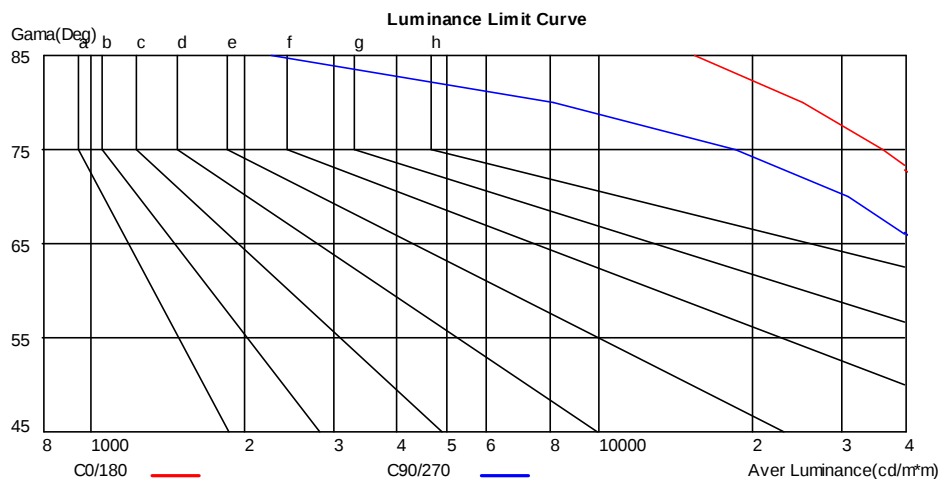
Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150W	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	855539.0	611910.8	334380.5	141401.5	70665.5	49296.0	36176.0	25128.8	15426.5
C90	386561.0	193486.3	89349.5	55788.0	42680.0	31055.5	18593.8	8153.5	2255.5

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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

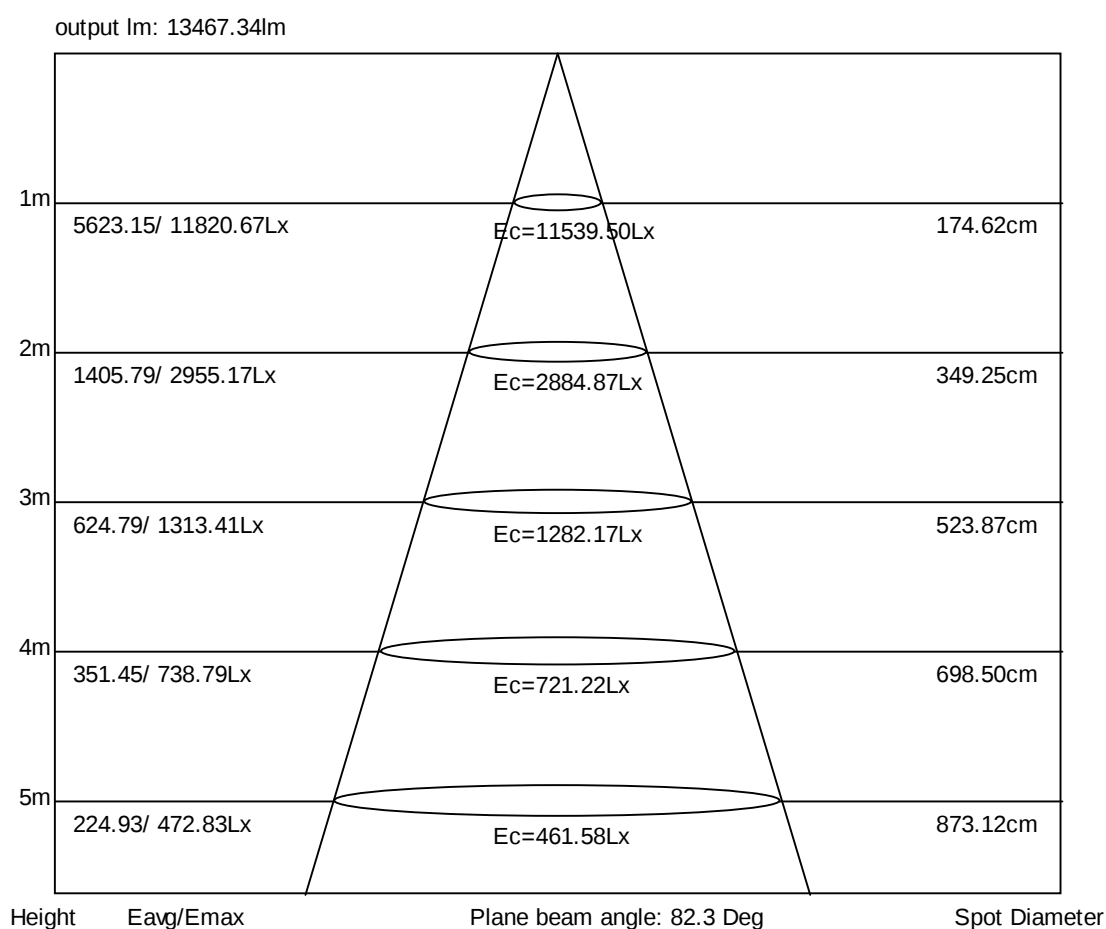
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

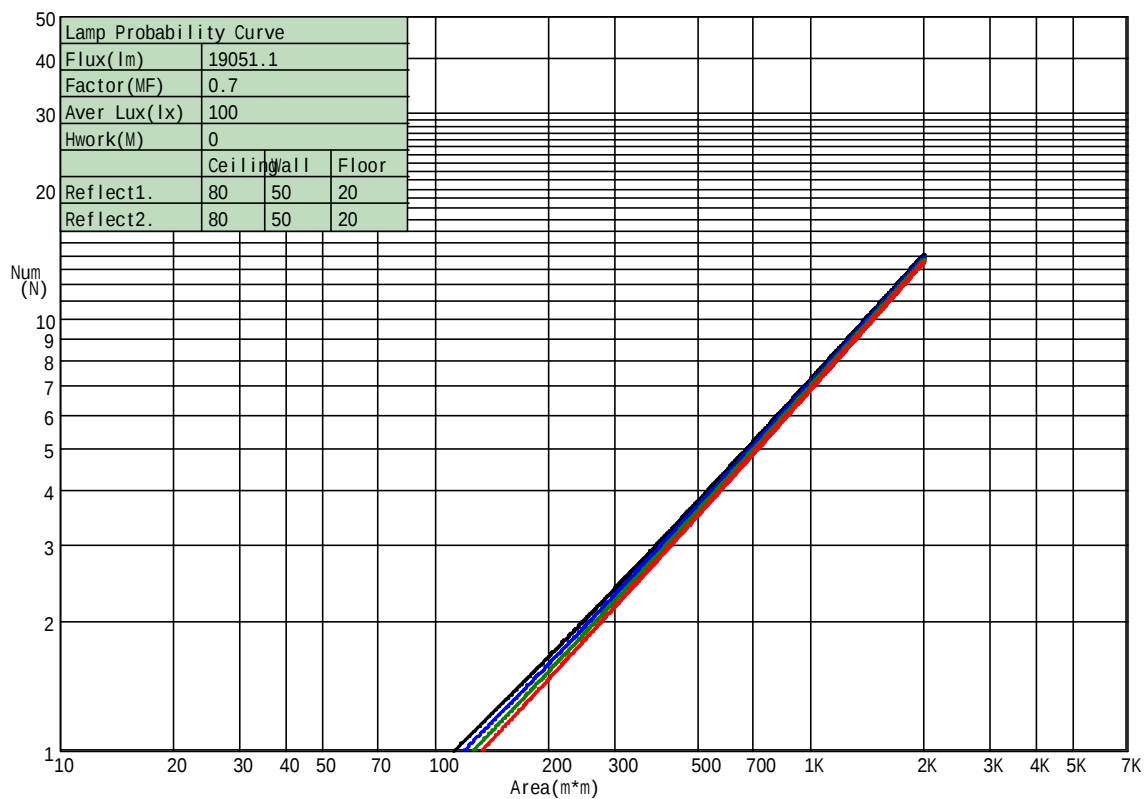
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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	71	60	53	69	59	53	67	58	52
0.80	70	56	48	68	55	47	64	54	46
1.00	70	55	45	67	54	44	63	52	43
1.25	69	53	42	67	52	41	62	49	39
1.50	70	53	40	66	51	39	61	48	37
2.00	71	53	39	67	51	37	61	47	35
2.50	71	52	37	67	50	36	60	45	33
3.00	72	53	36	68	50	35	60	45	32
4.00	73	54	37	69	51	35	60	45	32
5.00	74	55	37	69	51	35	61	46	32

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	1.06	1.03	1.06	1.04	1.01	1.02	1	0.98	0.99	0.97	0.95	0.95	0.94	0.92
2	0.99	0.94	0.9	0.97	0.92	0.89	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	0.88	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	0.74	0.7	0.67
5	0.75	0.68	0.63	0.74	0.68	0.62	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	0.52	0.47	0.57	0.51	0.47	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	0.43	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04	0.19	0.11	0.03	0.18	0.1	0.03
2	0.21	0.12	0.04	0.21	0.11	0.03	0.2	0.11	0.03	0.18	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	0.06	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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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	11771	11580	11366	11283	11470	11397	11541	11590	0-5	275	275
10	11807	11545	11192	11021	11181	11159	11526	11655	5-10	819	1094
15	11805	11445	10932	10728	10737	10751	11413	11623	10-15	1338	2433
20	11714	11286	10621	10203	10186	10192	11168	11522	15-20	1818	4251
25	11526	11052	10066	9358	9079	9003	10694	11287	20-25	2218	6469
30	11216	10760	9222	7987	7213	6831	10032	10825	25-30	2478	8947
35	10693	10212	7926	6030	4649	3985	8549	10172	30-35	2515	11462
40	10028	9357	6053	3711	2255	1731	6171	8727	35-40	2300	13761
45	8555	7925	3866	1809	987	794	3440	6434	40-45	1886	15647
50	6119	5708	1935	837	595	526	1483	3689	45-50	1369	17016
55	3344	3212	893	539	451	397	722	1610	50-55	852	17868
60	1414	1381	558	408	331	286	495	751	55-60	465	18333
65	707	675	427	296	233	193	373	501	60-65	264	18597
70	493	480	311	195	138	105	264	368	65-70	180	18777
75	362	359	186	97	51	40.8	166	250	70-75	125	18902
80	251	238	81.5	26.3	44.8	43.7	70.1	131	75-80	79.4	18981
85	154	93.6	22.6	27.5	49.8	48.7	37.2	35.5	80-85	43.1	19024
90	88.6	19	24.1	34.7	57.1	51.2	41.6	37.5	85-90	26.6	19051
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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 216.9V I: 1072.0mA P: 147.90W PF: 0.635 Test LM: 19051.08lm		
Lamp Name: LPHB-150W	Lamp Type:	Weight(kg):
Lamp ID:	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	12k	12k	12k	12k	11k	11k	11k	11k	11k	11k	11k	11k	11k	12k	12k	12k	12k	12k
10.0	12k	12k	12k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	12k	12k	12k	12k
15.0	12k	12k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	12k	12k	12k
20.0	12k	12k	11k	11k	11k	11k	10k	10k	10k	10k	10k	10k	11k	11k	11k	11k	12k	12k
25.0	12k	11k	11k	11k	10k	9911	9590	9328	9201	9079	9045	9011	9558	10k	11k	11k	11k	11k
30.0	11k	11k	11k	10k	9559	8952	8392	7902	7551	7213	7046	6872	7881	9332	10k	11k	11k	11k
35.0	11k	10k	10k	9462	8426	7511	6652	5879	5253	4649	4358	4057	5482	7551	8904	9640	10k	10k
40.0	10k	9734	9430	8272	6775	5540	4479	3551	2892	2255	2026	1788	3188	5200	6730	7888	8869	9459
45.0	8555	8280	7994	6593	4754	3416	2484	1719	1347	987	903	815	1662	2861	4095	5451	6666	7627
50.0	6119	5939	5753	4470	2760	1695	1197	811	701	595	565	533	840	1274	1966	2965	3955	5056
55.0	3344	3286	3227	2451	1401	816	655	529	489	451	427	403	504	651	917	1319	1800	2585
60.0	1414	1399	1384	1111	738	525	457	399	365	331	311	291	354	449	551	667	823	1124
65.0	707	693	679	594	481	398	339	289	261	233	216	197	252	333	401	459	523	617
70.0	493	487	482	424	348	285	233	189	163	138	123	109	157	229	287	334	381	438
75.0	362	360	359	302	224	166	126	91.9	71.1	51	46.5	41.9	81.8	138	184	223	263	313
80.0	251	245	239	187	116	69.4	44.4	28.3	36.7	44.8	44.3	43.8	52.3	64.3	83.5	111	144	199
85.0	154	128	100	70.3	38.1	23.6	25.9	29.9	40	49.8	49.3	48.8	44.9	39.7	36.8	36	48.4	102
90.0	88.6	58.1	26.6	20.6	22.9	26.4	31.2	37.1	47.3	57.1	54.5	51.9	48.1	43.7	40.7	38.8	43.1	66.2
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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark: