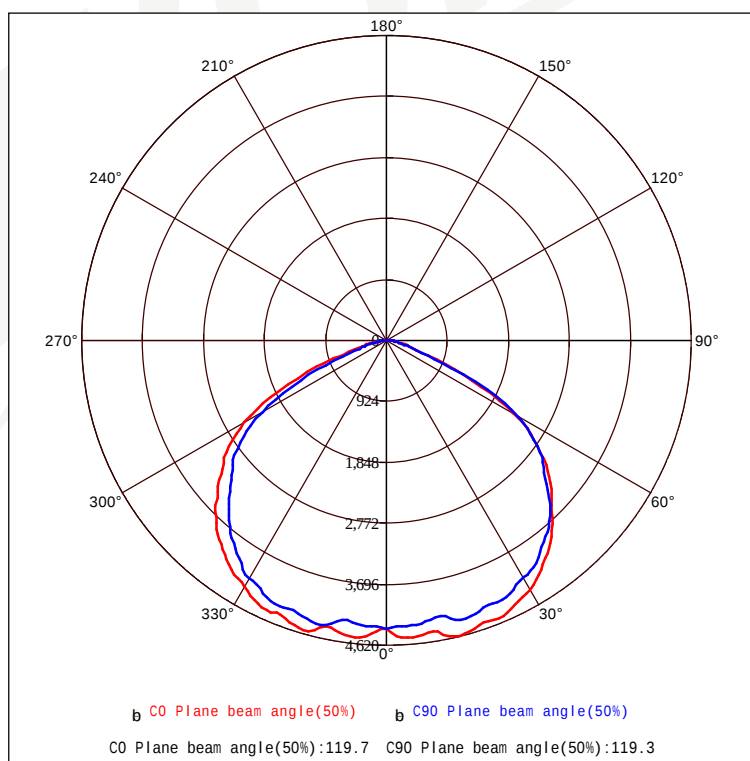


LED HIGH BAY LIGHT

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm						
Lamp Name: LPHB-150D01			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPHB-150D01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPHB-150D01		Peak Value(cd)	4616.2	Efficiency(lm/w)	97.2
Nominal P(w)		1.0	Position	0.0,13.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	13264.208	Down(C0-C180)	52.1
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)	47.9

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

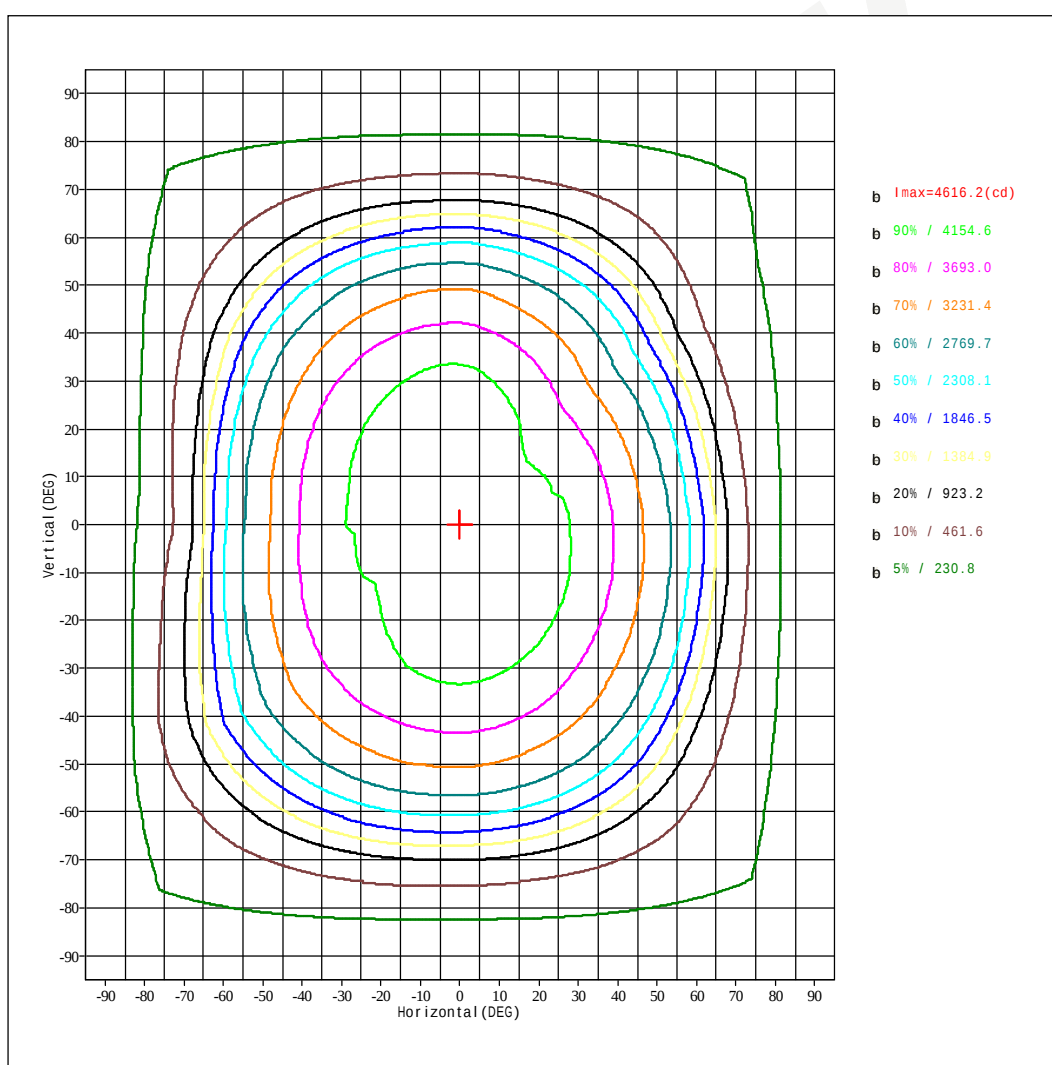
Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

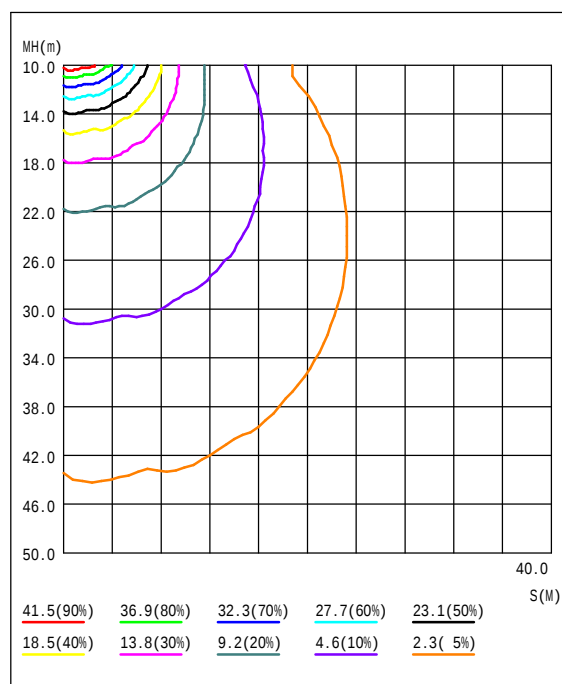
Humidity(%): 60

Date: 2019-10-11

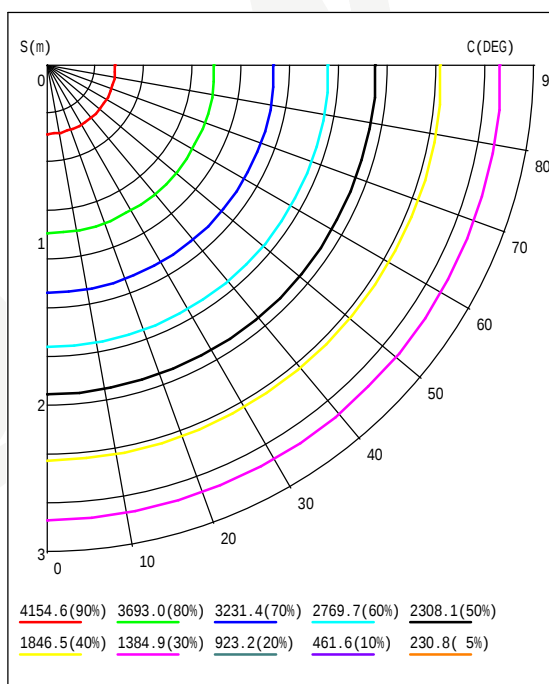
Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

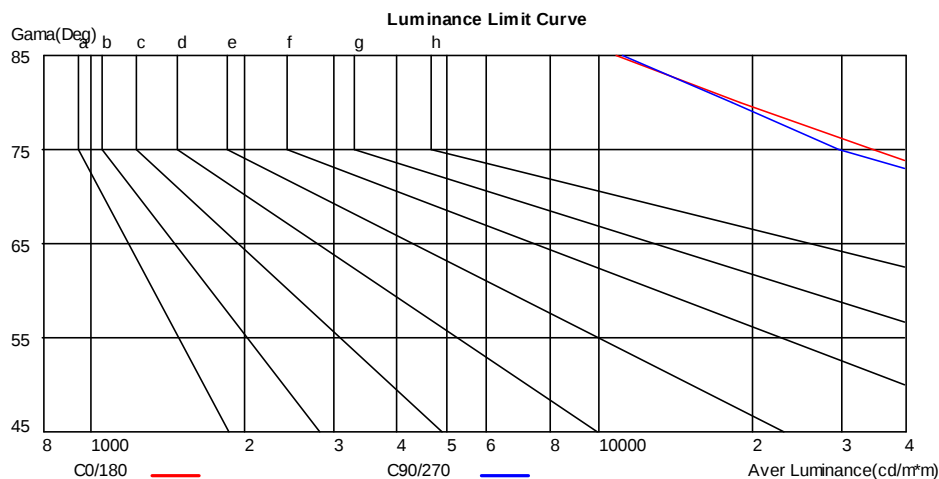
Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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	351122.4	318977.1	274107.2	217251.4	134698.3	61844.3	34773.0	18951.3	10825.7
C90	347056.7	309075.1	275016.4	223183.6	138947.0	61929.8	29651.5	18339.0	11138.6

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: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

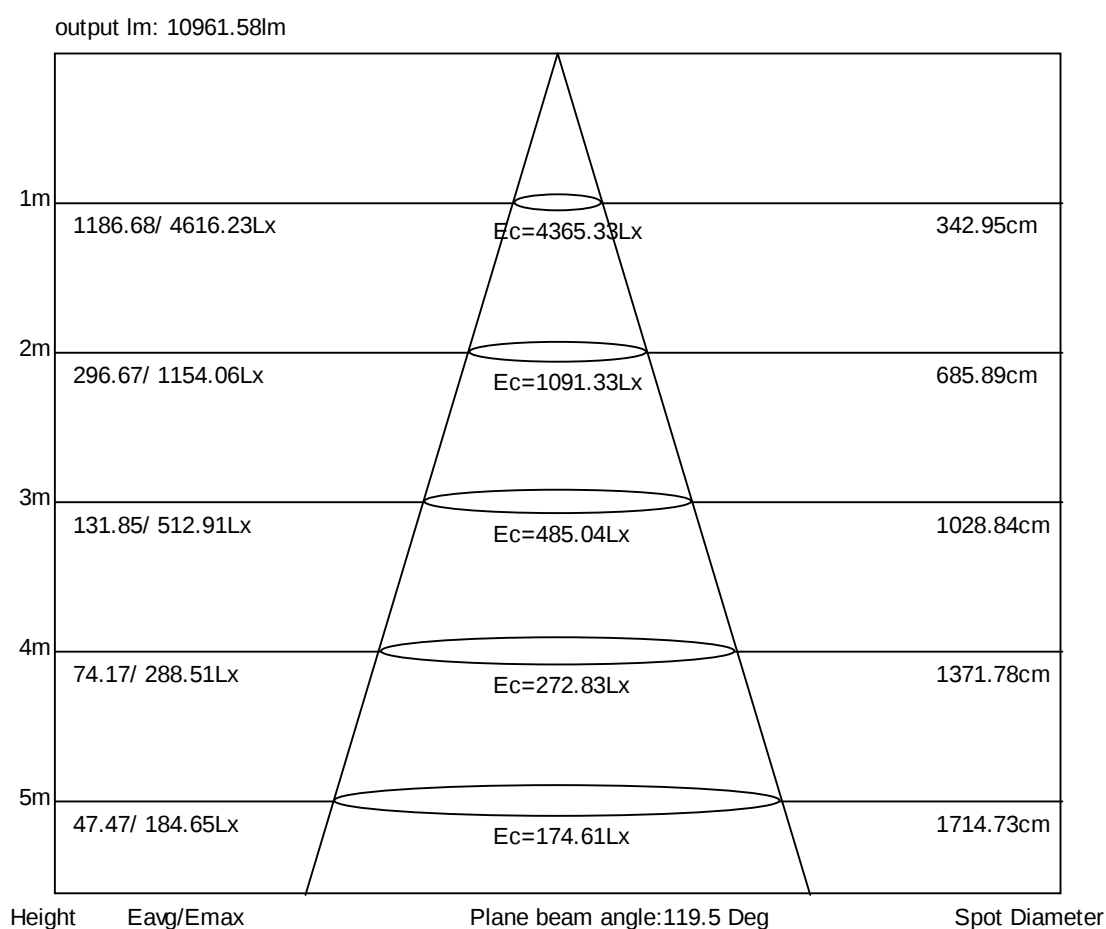
Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

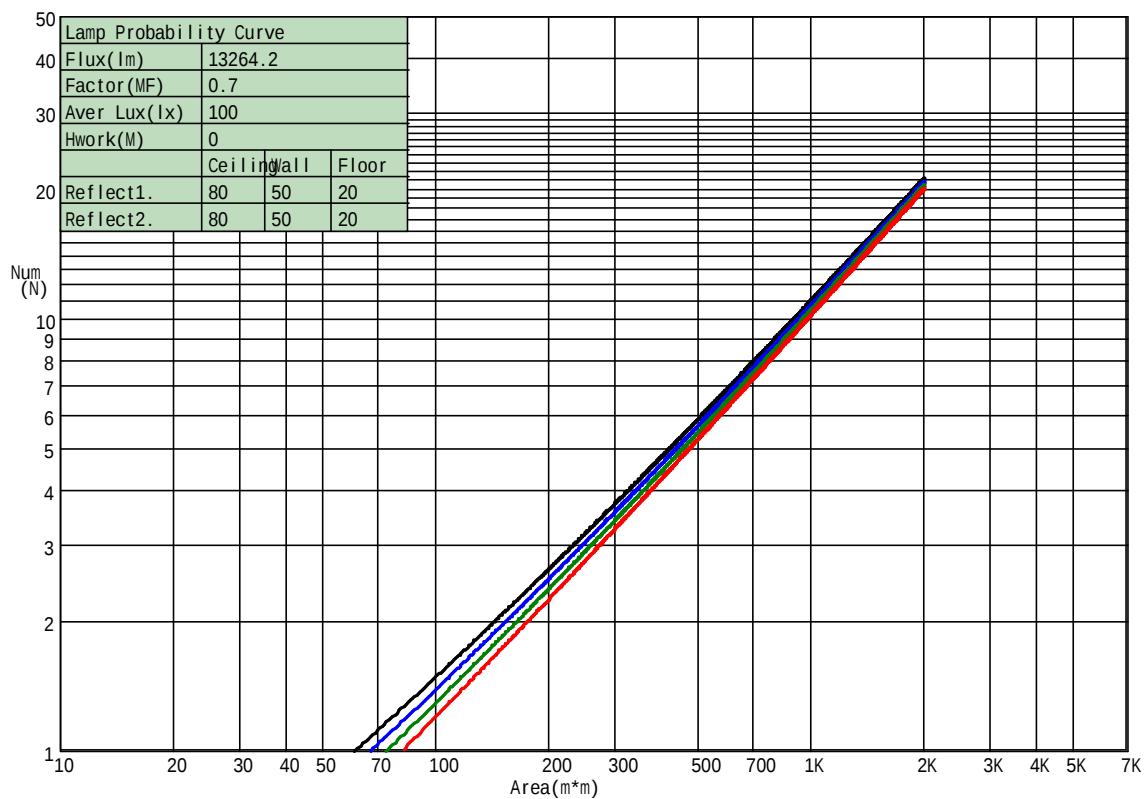
Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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	59	43	32	56	42	31	52	40	31
1.00	62	45	33	59	43	32	54	41	31
1.25	64	46	33	61	45	33	56	42	31
1.50	66	47	33	62	45	33	56	42	31
2.00	68	49	34	64	47	33	57	42	30
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	65	47	31	57	42	28
4.00	71	50	32	66	47	31	57	42	28
5.00	71	51	32	66	47	30	57	41	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	1.05	1.01	0.98	1.03	1	0.96	0.99	0.96	0.93	0.95	0.93	0.9	0.91	0.9	0.88
2	0.92	0.86	0.81	0.91	0.85	0.8	0.87	0.82	0.78	0.84	0.8	0.76	0.81	0.77	0.74
3	0.81	0.74	0.67	0.8	0.73	0.67	0.77	0.71	0.66	0.74	0.69	0.64	0.72	0.67	0.63
4	0.72	0.64	0.57	0.71	0.63	0.57	0.68	0.61	0.56	0.66	0.6	0.55	0.64	0.59	0.54
5	0.64	0.56	0.49	0.63	0.55	0.49	0.61	0.54	0.48	0.59	0.53	0.48	0.57	0.52	0.47
6	0.58	0.49	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.53	0.47	0.42	0.52	0.46	0.41
7	0.52	0.44	0.38	0.52	0.43	0.37	0.5	0.43	0.37	0.49	0.42	0.37	0.47	0.41	0.37
8	0.48	0.39	0.33	0.47	0.39	0.33	0.46	0.38	0.33	0.44	0.38	0.33	0.43	0.37	0.33
9	0.44	0.35	0.3	0.43	0.35	0.3	0.42	0.35	0.3	0.41	0.34	0.3	0.4	0.34	0.29
10	0.4	0.32	0.27	0.4	0.32	0.27	0.39	0.32	0.27	0.38	0.31	0.27	0.37	0.31	0.27

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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	0.28	0.16	0.05	0.28	0.16	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04
2	0.27	0.15	0.05	0.27	0.15	0.05	0.25	0.14	0.04	0.24	0.14	0.04	0.23	0.13	0.04
3	0.26	0.14	0.04	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04
4	0.24	0.12	0.04	0.24	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.03
5	0.22	0.11	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.11	0.03
6	0.21	0.1	0.03	0.21	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03
7	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.02	0.17	0.09	0.02	0.16	0.08	0.02
9	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
10	0.16	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.07	0.02	0.15	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	0.15	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	0.1	0.07	0.05	0.06	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	0.15	0.09	0.05	0.13	0.08	0.04	0.09	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	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.08	0.03	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.01	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.11	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.12	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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	4517	4415	4331	4084	4530	4411	4327	4202	0-5	104	104
10	4508	4337	4259	4265	4455	4403	4357	4352	5-10	312	416
15	4600	4476	4389	4180	4565	4478	4404	4259	10-15	523	939
20	4537	4379	4294	4311	4476	4404	4337	4258	15-20	725	1664
25	4466	4366	4277	4212	4453	4348	4278	4103	20-25	913	2578
30	4337	4225	4141	4187	4288	4227	4155	3940	25-30	1076	3653
35	4118	4080	3990	4037	4141	4034	3919	3717	30-35	1208	4861
40	3841	3814	3778	3859	3912	3746	3656	3378	35-40	1294	6155
45	3511	3507	3471	3655	3647	3402	3340	3076	40-45	1334	7489
50	3190	3139	3091	3389	3259	3098	3032	2699	45-50	1325	8813
55	2741	2785	2750	3035	2933	2729	2661	2247	50-55	1277	10090
60	2173	2279	2232	2687	2432	2164	2119	1524	55-60	1149	11239
65	1347	1566	1389	2159	1714	1379	1360	783	60-65	895	12134
70	618	814	619	1543	920	657	653	347	65-70	556	12691
75	348	392	297	817	403	327	324	192	70-75	286	12977
80	190	231	183	384	228	170	170	93.1	75-80	154	13131
85	108	129	111	229	110	83.4	83.5	50.7	80-85	84.2	13215
90	82.1	79.3	92.7	124	55	59.6	51.2	54.3	85-90	48.9	13264
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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

Remark:

Measured Para U: 216.6V I: 934.0mA P: 136.50W PF: 0.674 Test LM: 13264.21lm		
Lamp Name: LPHB-150D01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPHB-150D01	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	4517	4473	4426	4388	4350	4277	4165	4133	4335	4530	4478	4424	4384	4346	4300	4243	4236	4379
10.0	4508	4433	4356	4311	4276	4261	4263	4286	4372	4455	4432	4409	4388	4367	4356	4354	4369	4440
15.0	4600	4546	4489	4447	4408	4343	4248	4222	4396	4565	4527	4487	4454	4420	4372	4307	4297	4451
20.0	4537	4468	4396	4351	4313	4298	4305	4329	4403	4476	4444	4412	4382	4352	4320	4284	4289	4415
25.0	4466	4422	4377	4337	4296	4263	4234	4239	4348	4453	4407	4360	4325	4293	4240	4160	4143	4307
30.0	4337	4288	4238	4198	4159	4151	4172	4198	4244	4288	4261	4234	4204	4171	4108	4010	3983	4163
35.0	4118	4102	4084	4050	4009	4000	4021	4048	4096	4141	4094	4045	3996	3944	3875	3783	3761	3943
40.0	3841	3829	3817	3802	3786	3795	3832	3865	3889	3912	3839	3764	3717	3676	3595	3469	3428	3638
45.0	3511	3510	3508	3495	3479	3511	3594	3654	3650	3647	3540	3429	3382	3354	3282	3163	3124	3321
50.0	3190	3167	3144	3123	3101	3156	3291	3375	3316	3259	3189	3116	3076	3046	2959	2809	2753	2975
55.0	2741	2760	2780	2774	2758	2813	2942	3024	2978	2933	2844	2751	2707	2676	2570	2383	2301	2525
60.0	2173	2219	2267	2264	2242	2331	2538	2659	2543	2432	2314	2193	2149	2129	1989	1719	1595	1889
65.0	1347	1443	1542	1508	1428	1558	1907	2111	1909	1714	1567	1415	1373	1364	1234	972	845	1100
70.0	618	704	793	750	662	821	1240	1475	1192	920	805	686	655	654	586	448	377	500
75.0	348	367	387	361	317	410	646	772	584	403	370	335	326	325	295	236	209	280
80.0	190	207	226	215	194	227	318	367	296	228	203	176	170	170	153	118	104	147
85.0	108	118	127	124	115	137	191	216	162	110	98.6	86.3	83.4	83.5	76.3	61.5	57	83.1
90.0	82.1	80.9	79.6	83.7	89.8	99.6	114	117	85.2	55	57	59.1	56.9	53	51.9	53.3	57.3	69.9
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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-10-11

Remark: