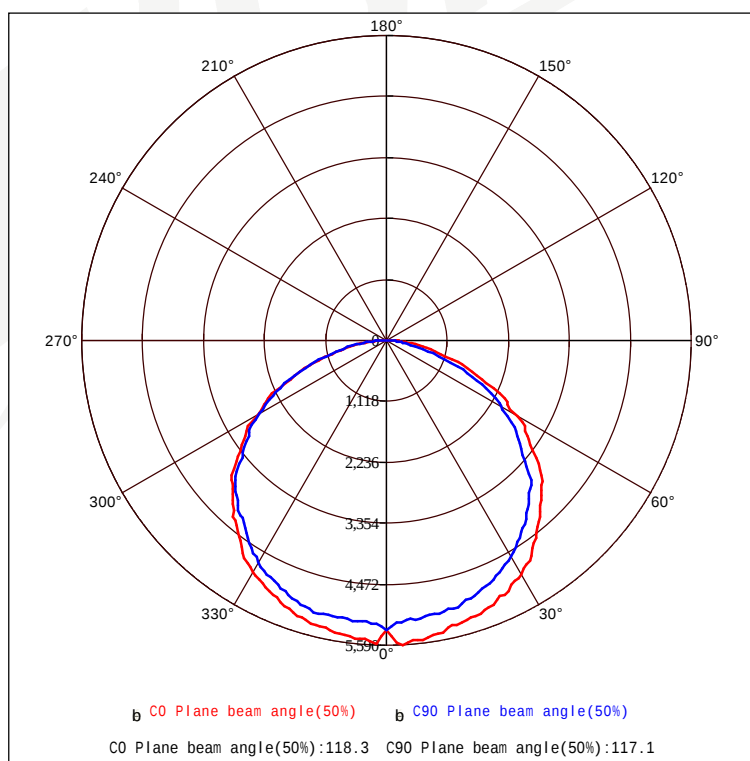


Goniophotometer Test Report

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm						
Lamp Name: LED HIGH BAY LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPHB-200D01			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPHB-200D01		Peak Value(cd)	5589.7	Efficiency(lm/w)	98.7
Nominal P(w)		1.0	Position	0.0,3.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	19503.12	Down(C0-C180)	52.4
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)	47.6

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

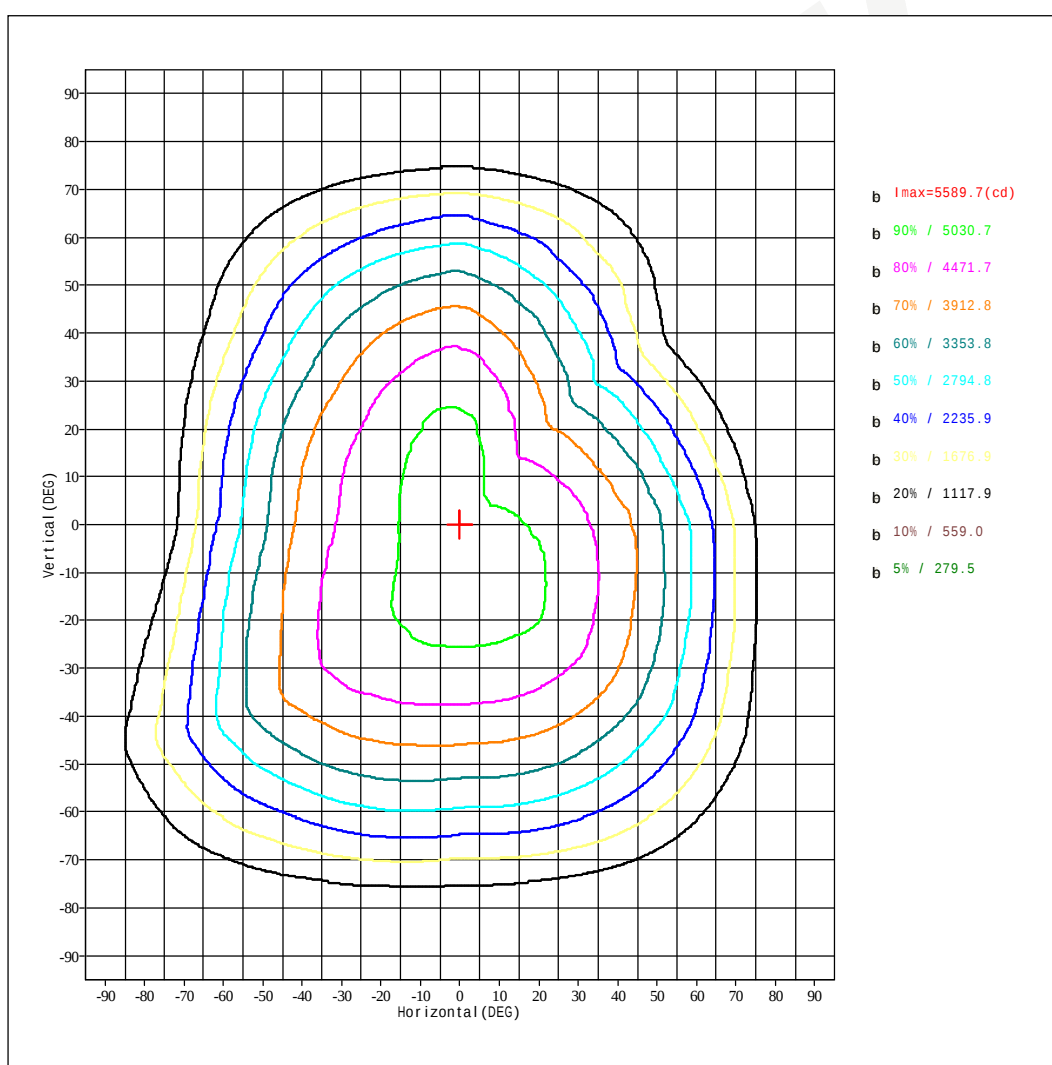
Humidity(%): 60

Date: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

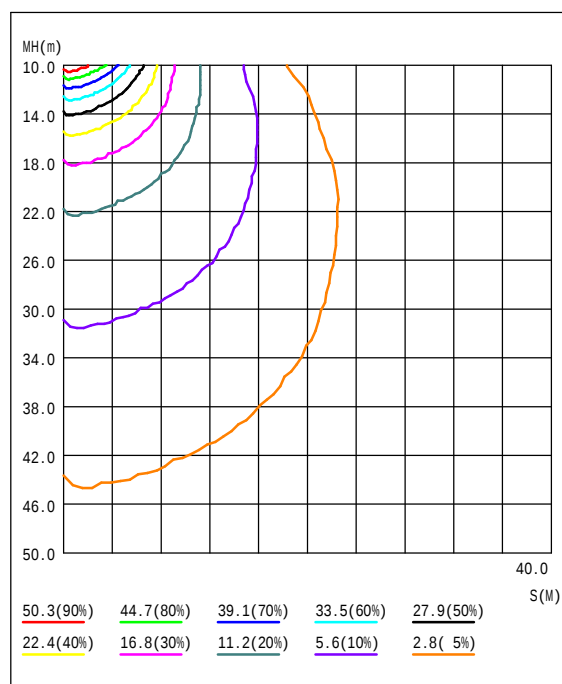
Humidity(%): 60

Date: 2023-5-20

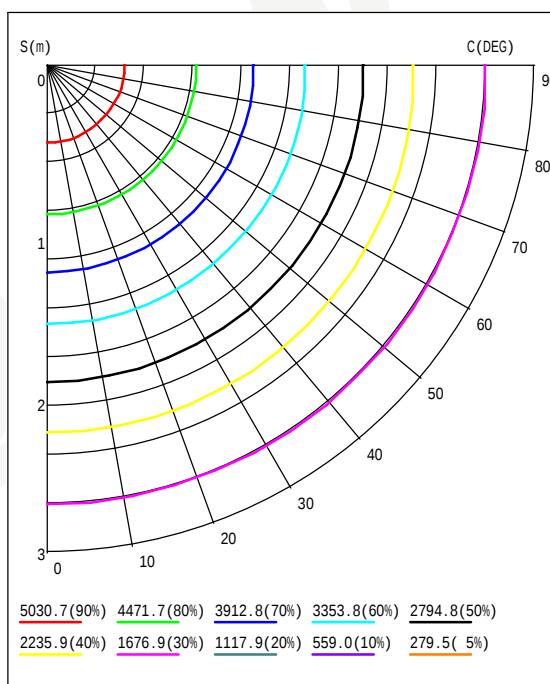
Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-5-20

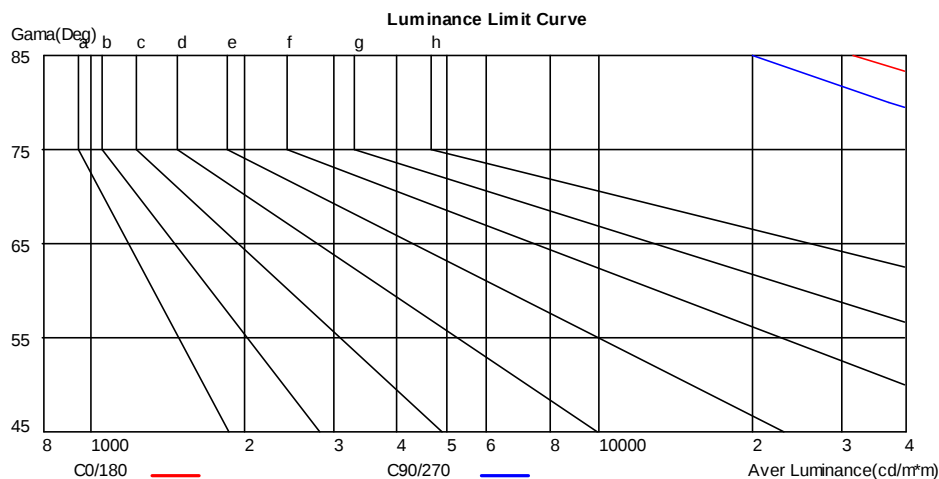
Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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	399149.4	364899.3	317733.5	266788.4	221727.5	163081.2	105591.1	64409.5	31692.4
C90	373509.7	320794.6	287644.6	240957.2	187429.4	133662.1	74171.1	37276.7	20114.4

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: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

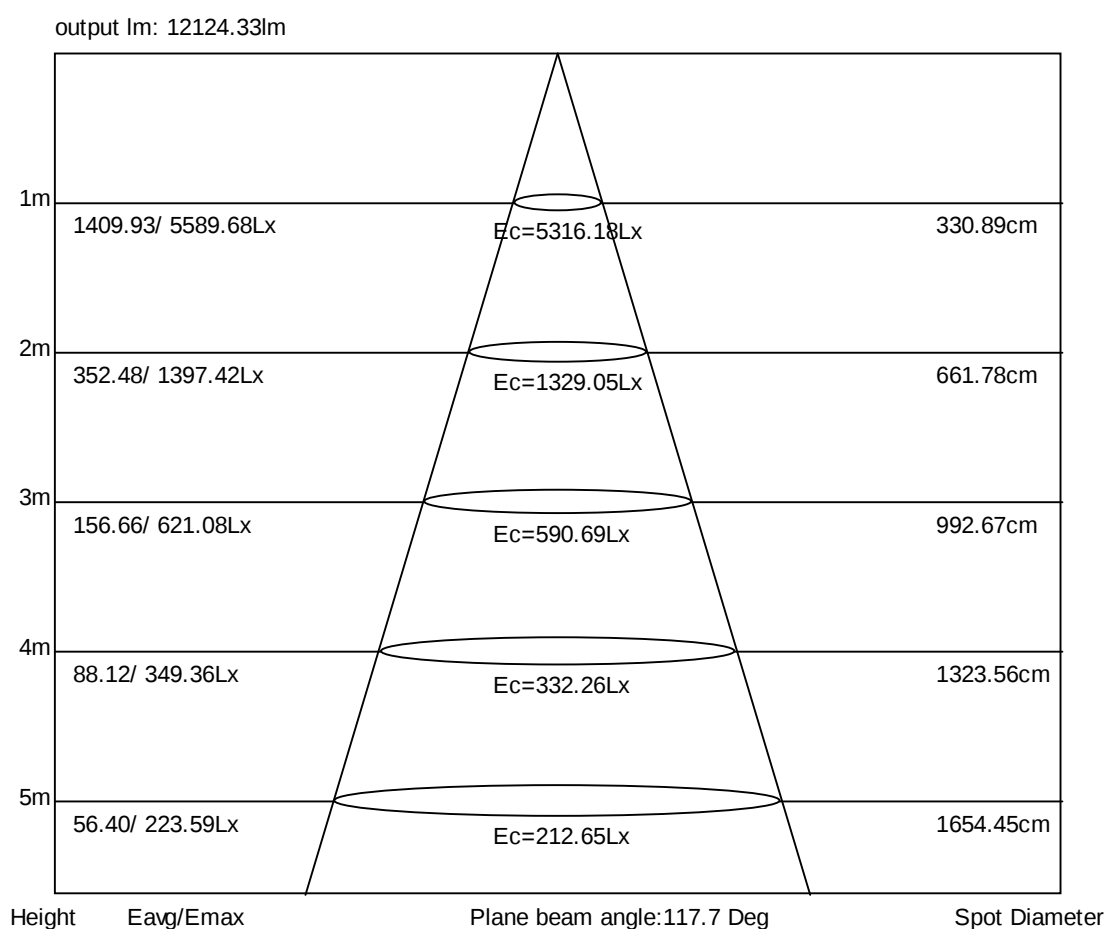
Humidity(%): 60

Date: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

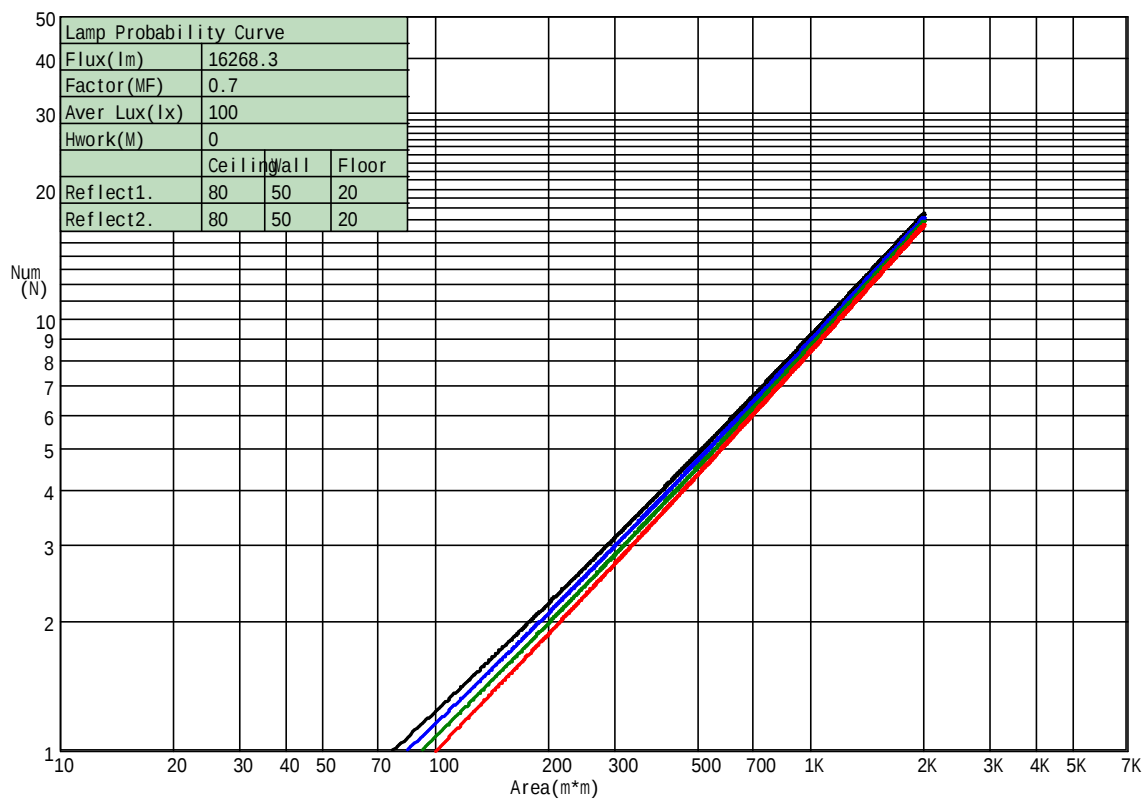
Humidity(%): 60

Date: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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	53	38	29	51	38	29	48	36	28
0.80	58	41	31	55	40	30	51	38	29
1.00	61	44	32	58	42	31	54	40	30
1.25	64	46	33	61	44	32	55	41	30
1.50	65	47	33	62	45	32	56	42	31
2.00	68	49	34	64	47	33	57	43	31
2.50	69	50	34	65	47	33	58	43	30
3.00	70	51	34	66	48	33	58	43	30
4.00	72	52	34	67	49	32	59	43	29
5.00	72	52	34	68	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	1.03	0.99	0.95	1.01	0.97	0.93	0.97	0.93	0.9	0.93	0.9	0.87	0.89	0.87	0.85
2	0.9	0.83	0.77	0.88	0.81	0.76	0.84	0.79	0.74	0.81	0.76	0.72	0.78	0.74	0.71
3	0.79	0.7	0.63	0.77	0.69	0.63	0.74	0.67	0.62	0.71	0.65	0.61	0.69	0.64	0.6
4	0.69	0.6	0.54	0.68	0.6	0.53	0.66	0.58	0.52	0.63	0.57	0.52	0.61	0.56	0.51
5	0.62	0.53	0.46	0.61	0.52	0.46	0.59	0.51	0.45	0.57	0.5	0.45	0.55	0.49	0.44
6	0.56	0.46	0.4	0.55	0.46	0.4	0.53	0.45	0.39	0.51	0.44	0.39	0.5	0.43	0.39
7	0.5	0.41	0.35	0.5	0.41	0.35	0.48	0.4	0.35	0.46	0.4	0.34	0.45	0.39	0.34
8	0.46	0.37	0.31	0.45	0.37	0.31	0.44	0.36	0.31	0.43	0.36	0.31	0.41	0.35	0.31
9	0.42	0.34	0.28	0.41	0.33	0.28	0.4	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28
10	0.39	0.31	0.25	0.38	0.31	0.25	0.37	0.3	0.25	0.36	0.3	0.25	0.35	0.29	0.25

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

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: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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	0.32	0.18	0.06	0.31	0.18	0.06	0.3	0.17	0.06	0.29	0.17	0.05	0.28	0.16	0.05
2	0.3	0.16	0.05	0.29	0.16	0.05	0.28	0.16	0.05	0.27	0.15	0.05	0.26	0.15	0.05
3	0.28	0.15	0.04	0.27	0.14	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04
4	0.25	0.13	0.04	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04
5	0.23	0.12	0.03	0.23	0.12	0.03	0.22	0.12	0.03	0.21	0.11	0.03	0.21	0.11	0.03
6	0.22	0.11	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03
7	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.09	0.03	0.18	0.09	0.03
8	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
9	0.18	0.09	0.02	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
10	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	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	0.13	0.15	0.13	0.11	0.11	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.01
2	0.17	0.13	0.1	0.15	0.11	0.08	0.1	0.08	0.06	0.06	0.05	0.03	0.02	0.01	0.01
3	0.17	0.11	0.07	0.14	0.1	0.06	0.1	0.07	0.04	0.06	0.04	0.03	0.02	0.01	0.01
4	0.16	0.1	0.06	0.14	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	0.14	0.08	0.03	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.02	0.08	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
9	0.12	0.06	0.02	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): 30

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: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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	5525	5367	5131	5135	5505	5542	5188	5068	0-5	127	127
10	5458	5290	5102	5229	5445	5427	5159	4916	5-10	377	505
15	5362	5176	5054	5220	5346	5288	5129	4723	10-15	617	1122
20	5244	5005	4911	5123	5208	5285	5035	4503	15-20	842	1964
25	5142	4867	4743	5092	5079	5158	4865	4191	20-25	1041	3005
30	4931	4641	4521	5072	4868	5005	4646	3904	25-30	1214	4219
35	4606	4290	4265	4909	4560	4823	4375	3606	30-35	1348	5567
40	4333	3981	4028	4709	4314	4466	4186	3105	35-40	1427	6993
45	3991	3659	3735	4468	3970	4142	3888	2748	40-45	1474	8467
50	3649	3156	3208	4216	3571	3876	3443	2291	45-50	1468	9934
55	3177	2774	2876	3957	3150	3403	3032	1693	50-55	1397	11331
60	2668	2272	2410	3616	2682	3019	2649	1147	55-60	1290	12621
65	2217	1724	1874	3128	2246	2465	2190	738	60-65	1124	13744
70	1631	1263	1337	2786	1647	1919	1620	382	65-70	918	14663
75	1056	758	742	2306	1077	1394	1073	171	70-75	686	15349
80	644	407	373	1773	651	834	688	107	75-80	464	15813
85	317	206	201	1289	298	420	347	126	80-85	288	16101
90	187	142	158	814	129	221	148	144	85-90	167	16268
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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-5-20

Remark:

Measured Para U: 217.1V I: 1322.9mA P: 197.60W PF: 0.688 Test LM: 19503.12lm		
Lamp Name: LED HIGH BAY LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPHB-200D01	Lamp Spec:	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	5525	5456	5384	5289	5183	5132	5134	5176	5344	5505	5522	5538	5426	5266	5162	5108	5118	5325
10.0	5458	5384	5308	5228	5143	5129	5187	5252	5350	5445	5437	5429	5339	5218	5106	4996	4975	5221
15.0	5362	5280	5196	5136	5081	5090	5165	5234	5291	5346	5321	5295	5236	5164	5040	4856	4793	5082
20.0	5244	5139	5031	4974	4932	4958	5054	5133	5171	5208	5242	5277	5203	5090	4919	4678	4584	4920
25.0	5142	5022	4897	4826	4770	4819	4977	5090	5085	5079	5114	5150	5062	4929	4718	4412	4295	4726
30.0	4931	4804	4672	4601	4547	4642	4891	5050	4957	4868	4928	4990	4887	4724	4484	4147	4016	4482
35.0	4606	4467	4324	4282	4270	4406	4698	4871	4713	4560	4675	4795	4676	4473	4207	3858	3715	4168
40.0	4333	4179	4019	3997	4018	4177	4485	4665	4487	4314	4381	4449	4374	4247	3950	3460	3239	3795
45.0	3991	3846	3695	3684	3718	3895	4227	4413	4188	3970	4045	4123	4059	3943	3638	3122	2884	3447
50.0	3649	3433	3210	3173	3197	3428	3885	4145	3853	3571	3705	3843	3734	3538	3191	2669	2440	3055
55.0	3177	3001	2818	2807	2854	3113	3602	3868	3503	3150	3261	3375	3281	3113	2739	2132	1855	2528
60.0	2668	2495	2315	2317	2379	2674	3220	3514	3091	2682	2830	2982	2898	2730	2320	1640	1313	2002
65.0	2217	2001	1778	1773	1841	2149	2717	3032	2632	2246	2342	2441	2375	2250	1873	1214	899	1570
70.0	1631	1470	1303	1287	1321	1654	2310	2661	2145	1647	1766	1889	1821	1685	1349	788	518	1084
75.0	1056	926	791	753	745	1084	1793	2171	1614	1077	1215	1359	1288	1143	876	467	268	669
80.0	644	541	433	396	380	679	1314	1651	1142	651	731	814	786	720	561	298	166	409
85.0	317	268	218	204	202	439	932	1180	732	298	351	406	396	363	298	198	146	233
90.0	187	167	147	147	154	301	599	739	429	129	169	211	197	164	147	146	149	168
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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: 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: 2023-5-20

Remark: