

LP-COB50B

Measured Parameters	U:217.7 v, I:403.0 mA, P:45.9 W, PF:0.52, Measured Flux: 4526.80 lm				
Name	LP-COB50B	Description	LP-COB50B	Weight(kg)	
Profile Size		Model	LP-COB50B	Test ID	001
Manufacturer:	Liper	Luminescence		Protection Angle(°)	

Light Source Data		Photometric Data			
Model	LP-COB50B	Peak Value(cd)	4962.72	η Roadside Upwards(%)	0.00
Nominal Power(w)	50	Total Flux(lm)	4526.80	η Roadside Downwards(%)	50.85
Rated Voltage(v)	220	Peak Value Positon(C, y)	180.0, 2.5	η Houseside Upwards(%)	0.00
Rated Flux(lm)		Upward Ratio(%)	0.00	η Houseside Downwards(%)	49.15
Source Number		Downward Ratio(%)	100.00	Aver Lux(lx)	14.7
Measured Voltage(v)	217.2	Light efficient(lm/w)		99.2	

Glare Evaluation		γ=90° (cd/klm)	0.0	γ=80° (cd/klm)	1.5
Peak Light γ:(C0)	1.5	Peak Light(cd)Overall	4962.7	Lamps Type	No match

Test Area : Hemispherical

Distance(m) : 7

C interval(°) : 30

γ interval(°) : 0.5

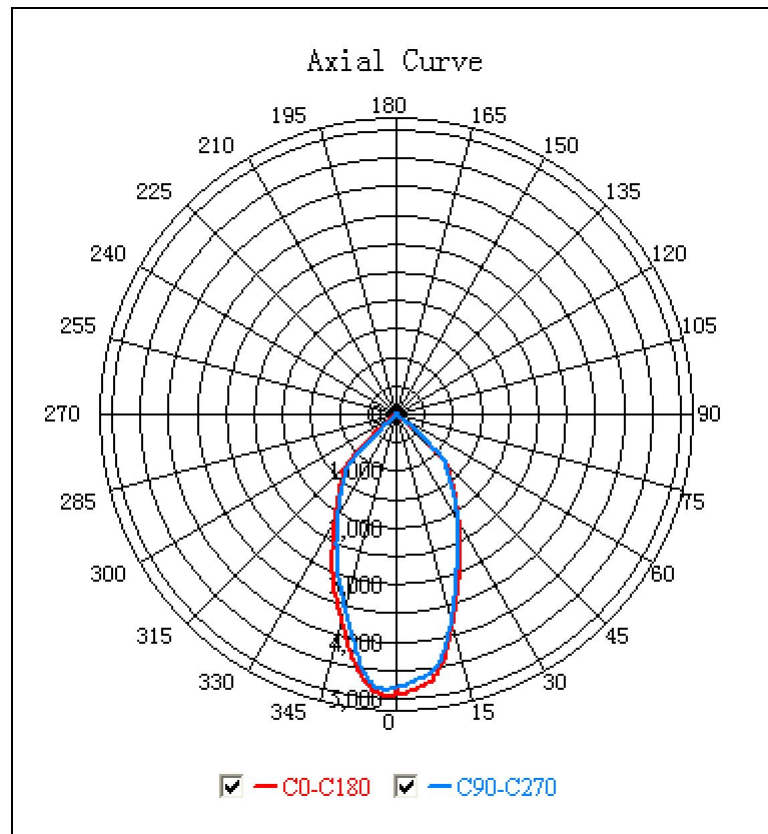
Temperature(°C) : 35

Humidity(%) : 55

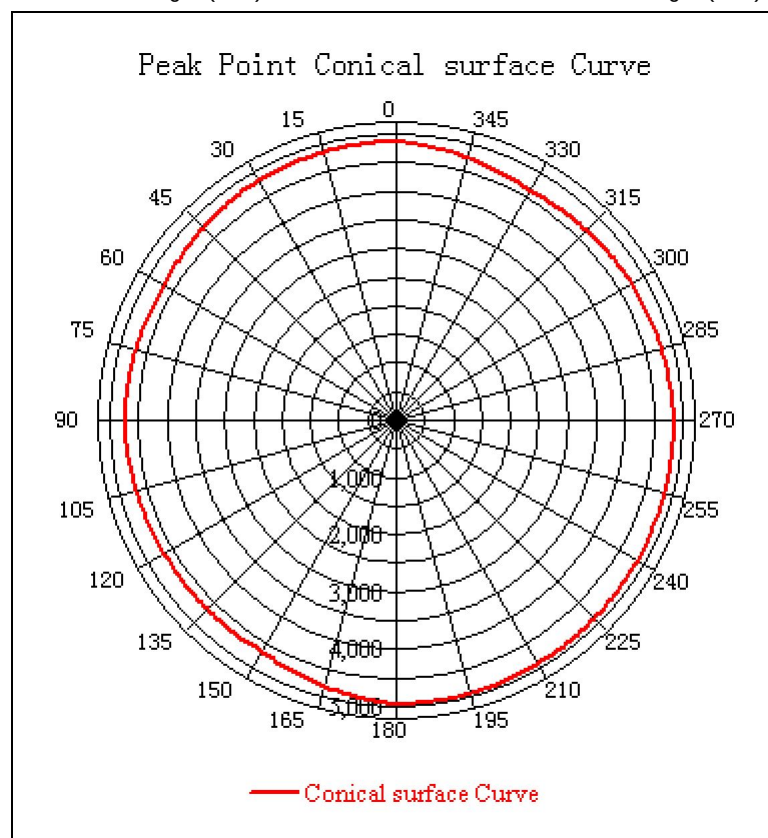
Tester : zyg

Date : 2018-5-3 20:19:47

Remark :



Vertical beam angle(50%): 53.6 Horizontal beam angle(50%): 52.1

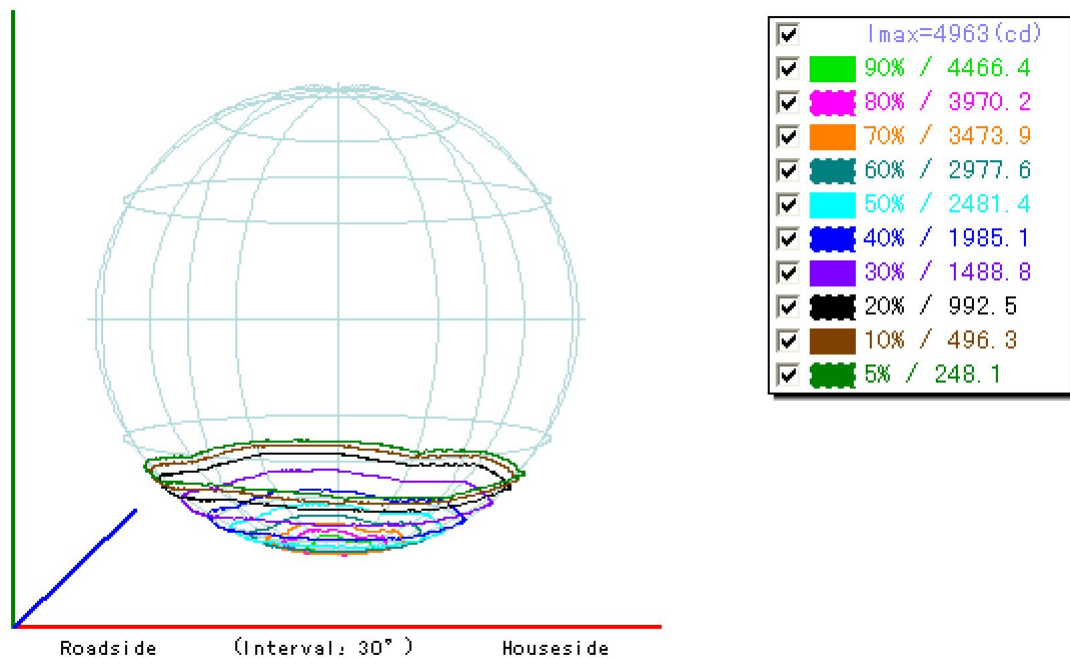


C-plane : 180.0 y Angle : 2.5

Test Area :	Hemispherical	Distance(m) :	7
C interval(°) :	30	y interval(°) :	0.5
Temperature(°C) :	35	Humidity(%) :	55
Tester :	zxcg	Date :	2018-5-3 20:19:47
Remark :			

1

Equivalent Light Intensity Curve



Test Area : Hemispherical

Distance(m) : 7

C interval(°) : 30

y interval(°) : 0.5

Temperature(°C) : 35

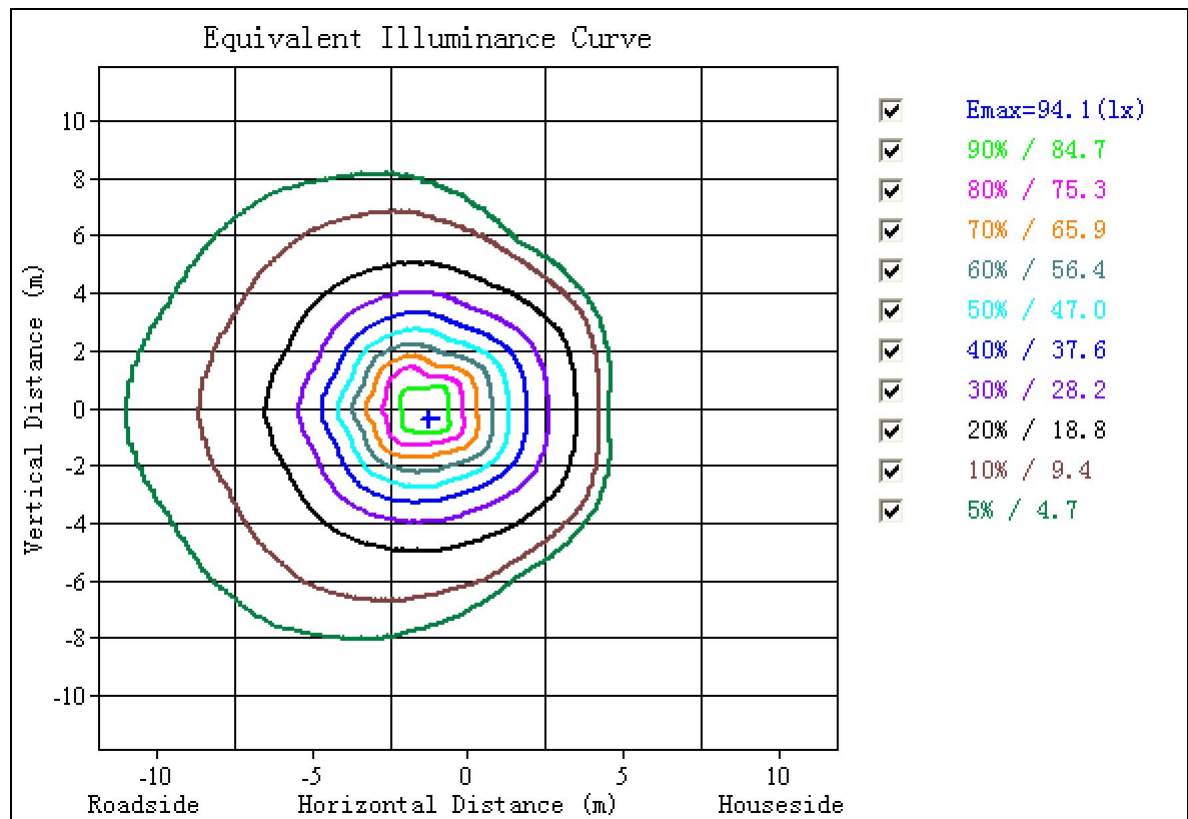
Humidity(%) : 55

Tester : zxg

Date : 2018-5-3 20:19:47

Remark :

Plane Equivalent Illuminance Curve

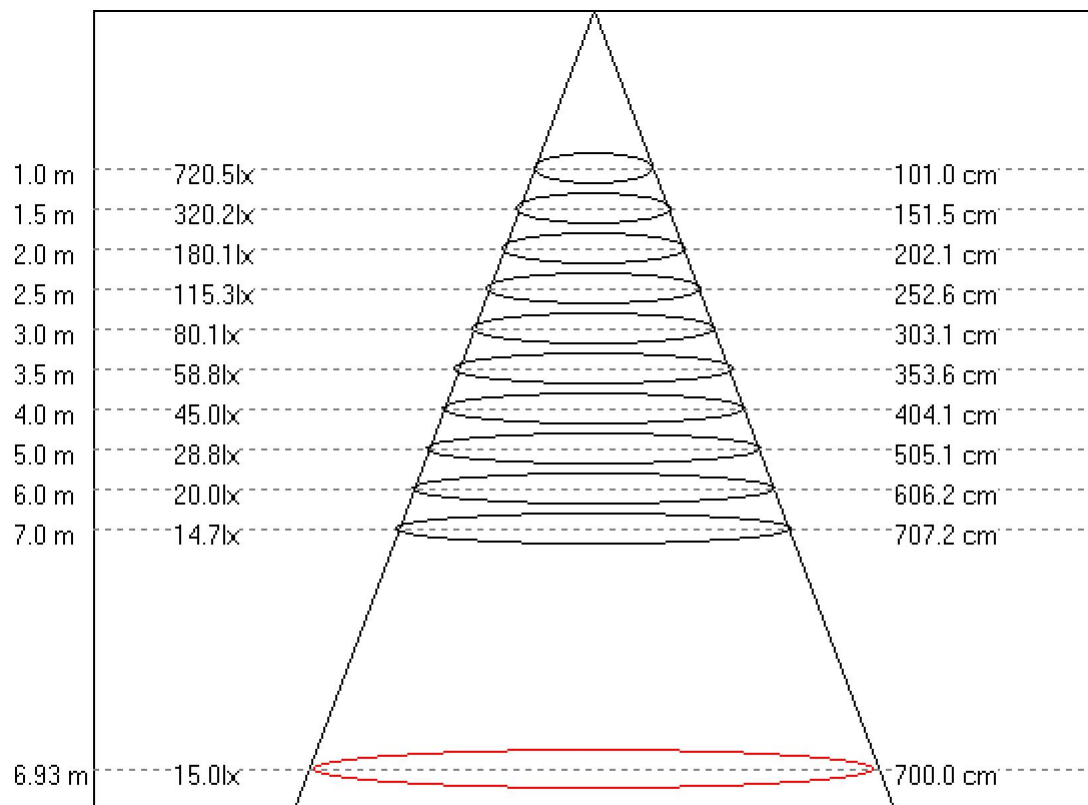


Fixed Height(m) : 7

Fixed Angle(°) : 15

Test Area :	Hemispherical	Distance(m) :	7
C interval(°) :	30	y interval(°) :	0.5
Temperature(°C) :	35	Humidity(%) :	55
Tester :	zxg	Date :	2018-5-3 20:19:47
Remark :			

Aver Lux

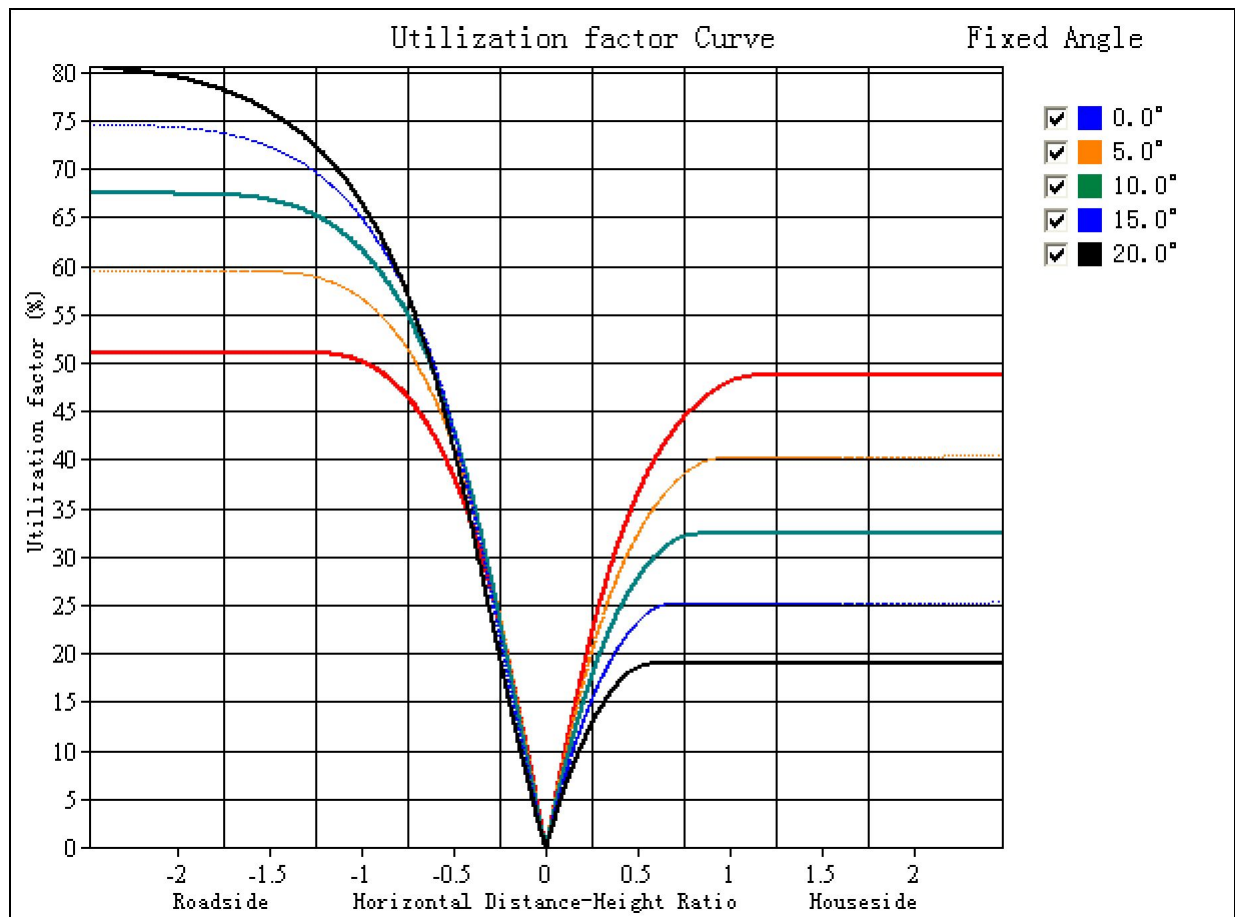


Height(M) Lux(lx) Vertical beam angle(50%): Horizontal beam angle(50%): Spot Diameter(cm)

53.6 ° 52.1 °

Test Area :	Hemispherical	Distance(m) :	7
C interval(°) :	30	y interval(°) :	0.5
Temperature(°C) :	35	Humidity(%) :	55
Tester :	zxg	Date :	2018-5-3 20:19:47
Remark :			

Lamps Utilization factor Curve



Test Area : Hemispherical

Distance(m) : 7

C interval(°) : 30

γ interval(°) : 0.5

Temperature(°C) : 35

Humidity(%) : 55

Tester : zyg

Date : 2018-5-3 20:19:47

Remark :

Lamps Circular Ring-shaped Flux

$\gamma / I(\text{cd}) \backslash C(^{\circ})$	0	45	90	135	180	225	270	315	γ Range	ϕ Ring(lm)	ϕ Total(lm)
5	4823	4692	4673	4634	4871	4818	4752	4661	0-5	113.95	113.95
10	4513	4312	4392	4259	4366	4332	4146	4180	5-10	323.57	437.52
15	3837	3650	3764	3653	3715	3659	3489	3533	10-15	469.30	906.82
20	3210	3029	3111	3025	3196	3148	2950	2984	15-20	549.96	1456.78
25	2686	2520	2561	2549	2631	2614	2469	2483	20-25	587.76	2044.54
30	2252	2120	2185	2109	2145	2139	2030	2075	25-30	588.43	2632.97
35	1849	1724	1783	1720	1759	1759	1678	1690	30-35	566.02	3198.99
40	1504	1429	1482	1411	1435	1462	1363	1393	35-40	526.96	3725.95
45	1298	1124	1239	1122	1129	1052	917	1020	40-45	479.52	4205.47
50	410	313	506	332	210	173	16.9	176	45-50	276.08	4481.55
55	10.1	6.64	13.9	13.5	25.2	11.7	0.00	14.2	50-55	33.65	4515.20
60	0.00	0.00	16.3	15.6	5.98	10.7	2.89	14.3	55-60	3.96	4519.16
65	0.00	0.00	12.6	5.07	0.00	5.19	0.34	4.31	60-65	2.30	4521.46
70	0.00	1.69	0.00	3.77	0.00	3.94	0.39	4.39	65-70	1.21	4522.67
75	6.66	6.35	0.00	1.45	8.53	0.00	6.96	4.04	70-75	1.10	4523.77
80	6.86	5.68	0.00	3.33	1.47	0.00	6.62	7.08	75-80	1.05	4524.82
85	1.27	2.52	0.00	0.00	0.00	0.00	6.17	1.76	80-85	1.06	4525.88
90	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	85-90	0.93	4526.81
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		

Test Area : Hemispherical

Distance(m) : 7

C interval(°) : 30

 γ interval(°) : 0.5

Temperature(°C) : 35

Humidity(%) : 55

Tester : zxcg

Date : 2018-5-3 20:19:47

Remark :

Lamps Light Intensity Distribution Data

$\gamma / I(\text{cd}) \backslash C(^{\circ})$	0	30	60	90	120	150	180	210	240	270	300	330
0	4795	4795	4795	4795	4795	4795	4795	4795	4795	4795	4795	4795
5	4823	4758	4625	4673	4584	4684	4871	4774	4863	4752	4778	4545
10	4513	4496	4128	4392	4102	4416	4366	4151	4513	4146	4421	3939
15	3837	3890	3410	3764	3435	3871	3715	3523	3795	3489	3740	3326
20	3210	3209	2849	3111	2825	3224	3196	3036	3260	2950	3150	2819
25	2686	2679	2361	2561	2375	2724	2631	2502	2727	2469	2629	2337
30	2252	2242	1999	2185	1969	2249	2145	2023	2254	2030	2202	1948
35	1849	1831	1617	1783	1620	1821	1759	1682	1837	1678	1788	1593
40	1504	1521	1337	1482	1311	1511	1435	1394	1531	1363	1471	1315
45	1298	1292	956	1239	963	1280	1129	816	1289	917	1263	776
50	410	561	65.5	506	81.1	582	210	23.6	322	16.9	332	19.2
55	10.1	13.3	0.00	13.9	0.15	26.9	25.2	5.49	17.9	0.00	24.1	4.31
60	0.00	0.00	0.00	16.3	14.2	17.0	5.98	12.1	9.36	2.89	13.6	15.0
65	0.00	0.00	0.00	12.6	10.1	0.00	0.00	8.53	1.86	0.34	5.34	3.28
70	0.00	3.38	0.00	0.00	7.55	0.00	0.00	7.89	0.00	0.39	8.77	0.00
75	6.66	7.69	5.00	0.00	0.00	2.89	8.53	0.00	0.00	6.96	8.09	0.00
80	6.86	6.32	5.05	0.00	0.00	6.66	1.47	0.00	0.00	6.62	7.40	6.76
85	1.27	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	6.17	0.00	3.53
90	0.00	0.00	5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test Area : Hemispherical

Distance(m) : 7

C interval($^{\circ}$) : 30 γ interval($^{\circ}$) : 0.5Temperature($^{\circ}$ C) : 35

Humidity(%) : 55

Tester : zyg

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