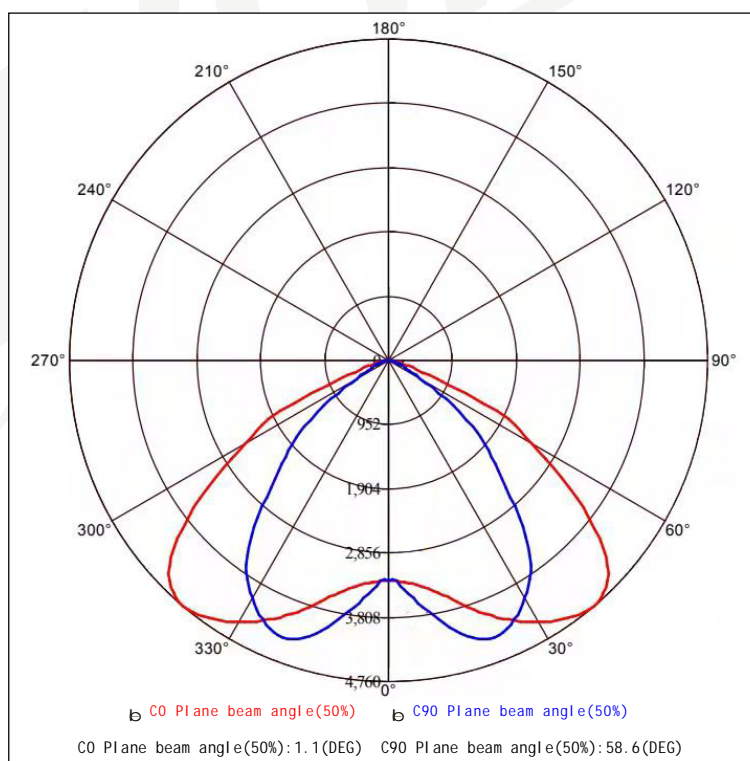


LED STREET LIGHT

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm						
Lamp Name: LPSTL-50W			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPSTL-50W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPSTL-50W		Peak Value(cd)	5948.8	Effi ciency(lm/w)	102.8
Nominal P(w)	1.0		Position	0.0, 61.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	5098.005	Down(C0-C180)	39.6
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)	60.4

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

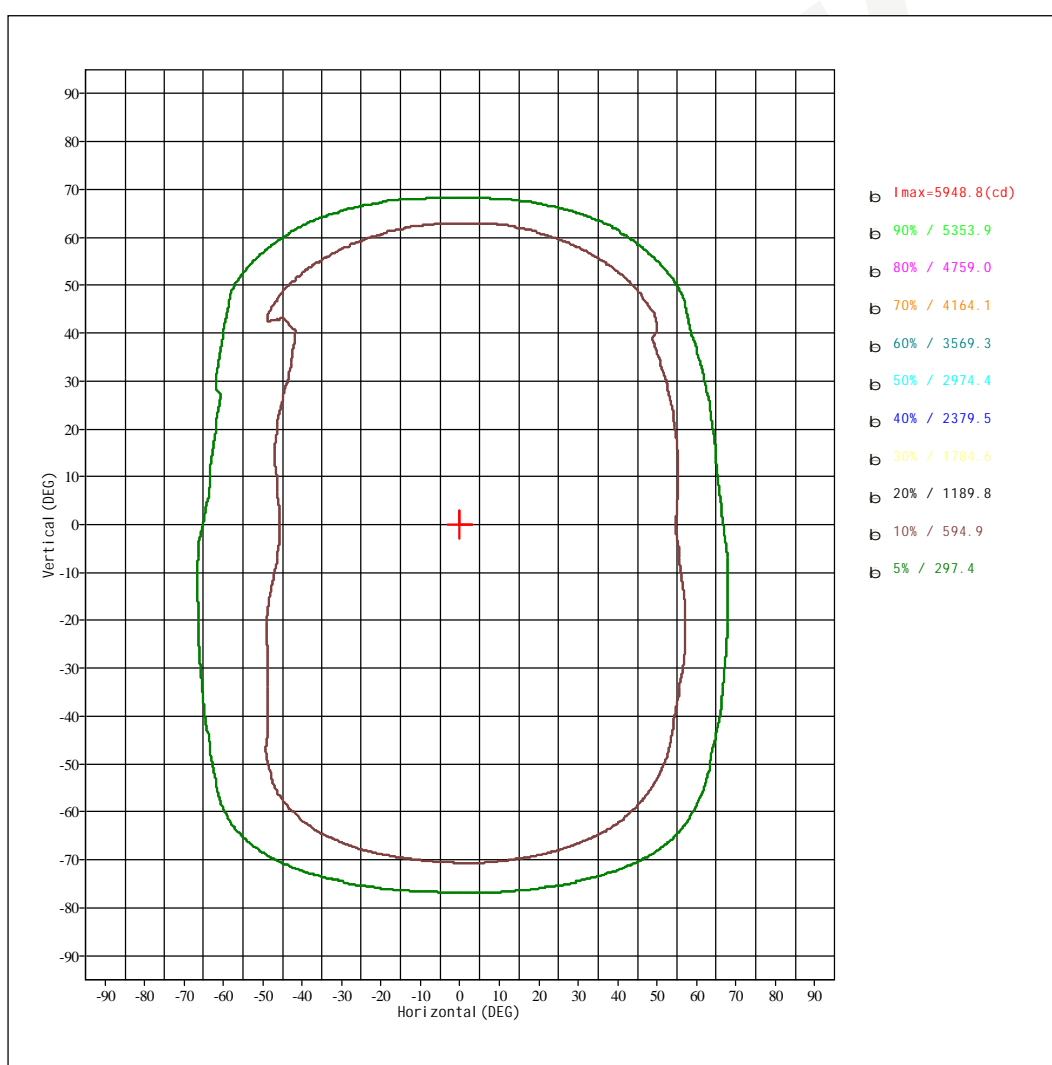
Humidity(%): 60

Date: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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

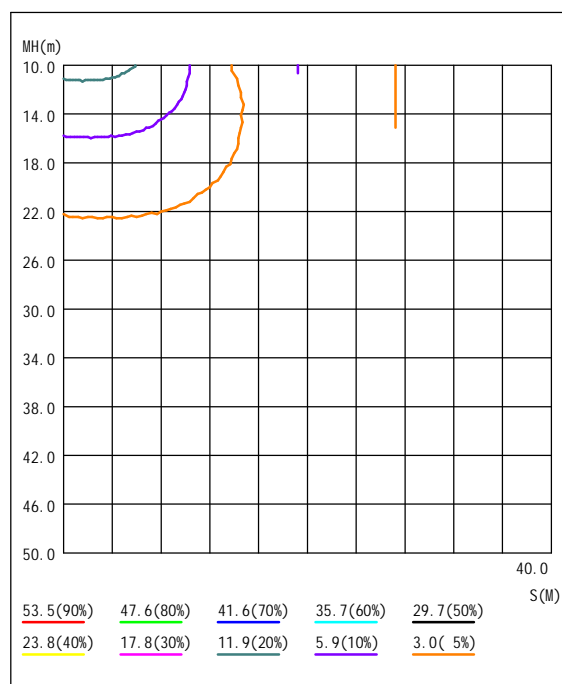
Humidity(%): 60

Date: 2021-4-19

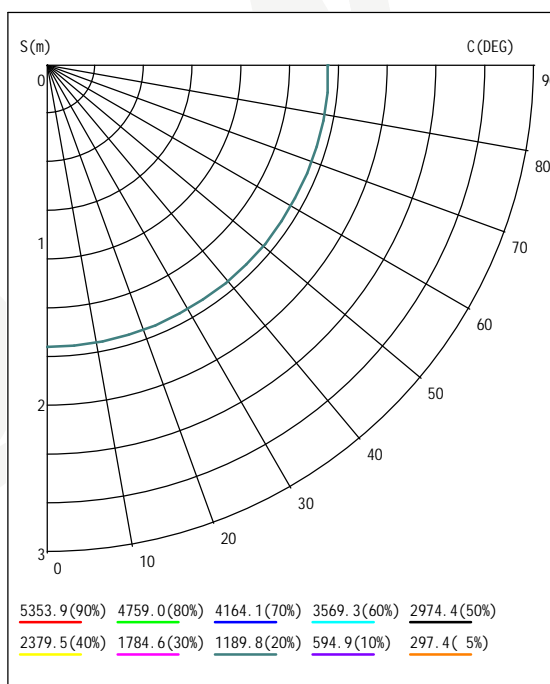
Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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: 2021-4-19

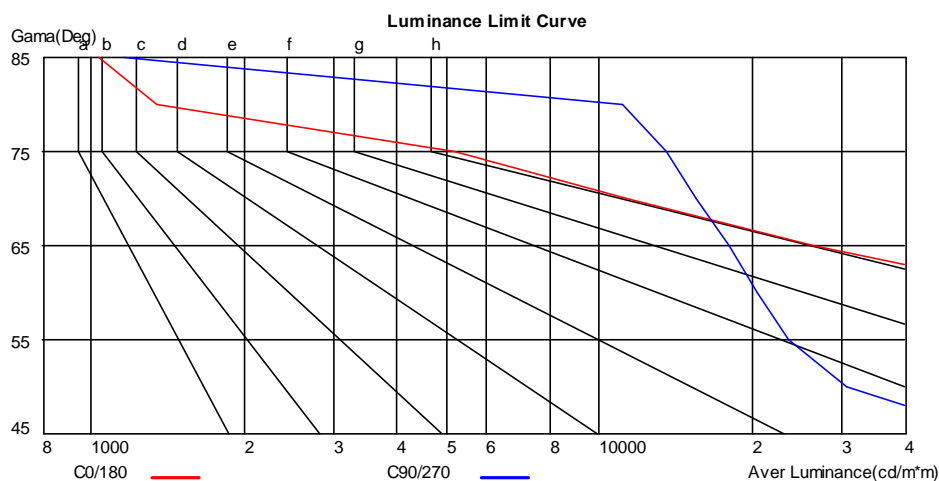
Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	179681.5	166355.3	131975.0	76325.5	26395.2	11324.3	5192.0	1343.0	1033.8
C90	59279.5	30850.3	23576.0	20439.8	18009.5	15574.5	13594.7	11152.5	1160.5

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: zxc

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

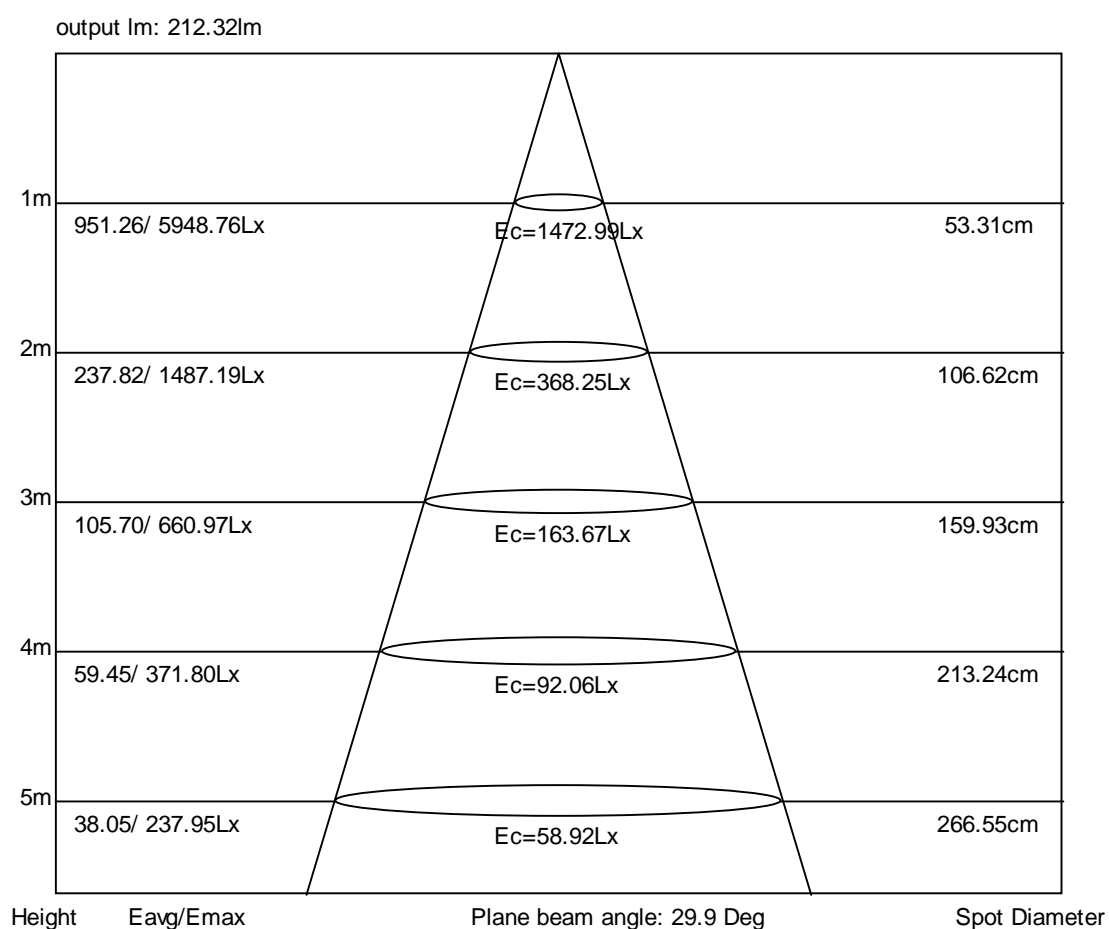
Humidity(%): 60

Date: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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

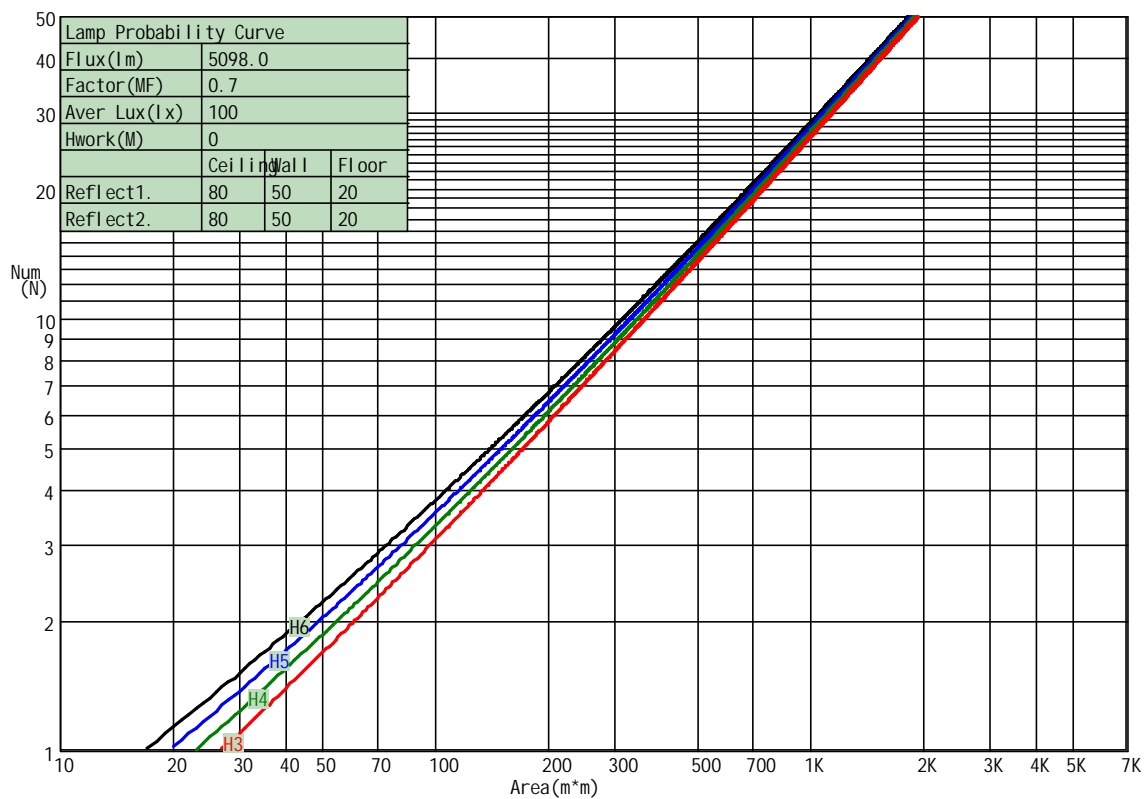
Humidity(%): 60

Date: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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	60	46	38	58	46	38	55	44	37
0.80	62	47	37	60	46	37	57	45	36
1.00	65	49	38	62	47	37	58	45	36
1.25	66	49	37	63	47	36	58	45	34
1.50	67	49	36	64	48	35	58	44	33
2.00	69	50	35	65	48	34	58	44	32
2.50	69	50	34	65	48	33	58	43	30
3.00	70	50	34	66	48	32	58	43	29
4.00	71	51	33	66	48	31	58	42	28
5.00	72	51	33	67	48	31	58	42	28

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	1.06	1.02	0.99	1.04	1.01	0.97	1	0.97	0.94	0.96	0.94	0.92	0.92	0.91	0.89
2	0.94	0.88	0.82	0.92	0.86	0.82	0.88	0.84	0.8	0.85	0.81	0.78	0.82	0.79	0.76
3	0.83	0.75	0.69	0.81	0.74	0.69	0.79	0.73	0.68	0.76	0.71	0.67	0.73	0.69	0.65
4	0.74	0.66	0.59	0.73	0.65	0.59	0.7	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57
5	0.66	0.57	0.51	0.65	0.57	0.51	0.63	0.56	0.5	0.61	0.55	0.5	0.59	0.54	0.49
6	0.59	0.51	0.45	0.58	0.5	0.44	0.57	0.49	0.44	0.55	0.49	0.44	0.53	0.48	0.43
7	0.54	0.45	0.39	0.53	0.45	0.39	0.51	0.44	0.39	0.5	0.43	0.39	0.49	0.43	0.38
8	0.49	0.41	0.35	0.48	0.4	0.35	0.47	0.4	0.35	0.46	0.39	0.34	0.44	0.39	0.34
9	0.45	0.37	0.31	0.44	0.36	0.31	0.43	0.36	0.31	0.42	0.35	0.31	0.41	0.35	0.31
10	0.41	0.33	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

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: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-50W	Shape Si ze:
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	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.23	0.14	0.04	0.22	0.13	0.04
2	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.13	0.04
3	0.25	0.13	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
4	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	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
6	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
7	0.19	0.09	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	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	0.15	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	0.14	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	0.15	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	0.04	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.07	0.03	0.11	0.06	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	0.1	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPSTL-50W	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	1516	1435	1356	1399	1466	1538	1551	1564	0-5	35.3	35.3
10	1564	1367	1291	1335	1495	1628	1660	1754	5-10	107	142
15	1661	1295	1231	1276	1531	1784	1864	2038	10-15	184	326
20	1726	1226	1194	1232	1586	2005	2152	2389	15-20	270	595
25	1815	1147	1177	1183	1700	2311	2390	2761	20-25	368	963
30	1881	1071	1153	1118	1800	2577	2378	3074	25-30	470	1433
35	1904	1018	1078	1052	1894	2610	1922	3178	30-35	549	1982
40	1900	978	970	989	1978	2314	1427	2923	35-40	587	2570
45	1797	918	593	923	2049	1888	1117	2267	40-45	581	3150
50	1664	724	309	865	2039	1453	927	1489	45-50	530	3680
55	1320	437	236	717	1975	1102	559	884	50-55	456	4136
60	763	255	204	466	1859	790	233	449	55-60	351	4487
65	264	182	180	290	1402	461	154	204	60-65	310	4797
70	113	131	156	198	666	213	111	102	65-70	149	4946
75	51.9	84.6	136	138	237	114	81.6	48.1	70-75	80.3	5027
80	13.4	34.4	112	86.3	96.8	49.4	50.9	16.9	75-80	44.8	5071
85	10.3	10.4	11.6	35.7	37.6	15.6	13.2	10.4	80-85	19.4	5091
90	11.2	11.9	8.35	10.5	12.1	8.93	9.77	11.5	85-90	7.08	5098
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: 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: 2021-4-19

Remark:

Measured Para U: 217.0V I: 231.0mA P: 49.60W PF: 0.990 Test LM: 5098.00lm		
Lamp Name: LPSTL-50W	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPSTL-50W	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	1516	1481	1444	1409	1373	1365	1385	1407	1437	1466	1497	1530	1542	1548	1554	1560	1559	1537
10.0	1564	1478	1388	1342	1308	1301	1320	1352	1425	1495	1553	1613	1638	1653	1680	1723	1733	1647
15.0	1661	1501	1335	1274	1245	1241	1262	1304	1420	1531	1642	1756	1810	1846	1902	1981	1997	1826
20.0	1726	1508	1281	1216	1201	1202	1219	1270	1431	1586	1769	1959	2053	2120	2204	2311	2317	2016
25.0	1815	1522	1220	1157	1171	1179	1181	1239	1474	1700	1968	2245	2337	2373	2471	2639	2658	2229
30.0	1881	1527	1160	1098	1135	1146	1130	1193	1502	1800	2140	2492	2512	2422	2531	2846	2943	2403
35.0	1904	1517	1115	1038	1065	1072	1060	1144	1526	1894	2207	2532	2384	2073	2197	2766	3038	2461
40.0	1900	1497	1079	976	972	974	983	1097	1545	1978	2125	2277	2023	1621	1754	2432	2811	2347
45.0	1797	1412	1014	811	664	665	814	1046	1556	2049	1979	1906	1635	1285	1368	1890	2216	2003
50.0	1664	1253	827	588	399	430	683	994	1526	2039	1783	1518	1281	1042	1050	1304	1508	1587
55.0	1320	934	534	371	280	341	559	854	1424	1975	1593	1197	924	678	630	777	932	1129
60.0	763	541	310	238	215	262	380	619	1250	1859	1391	907	607	355	280	378	483	626
65.0	264	228	191	181	181	204	254	411	915	1402	990	564	360	221	165	188	211	238
70.0	113	121	129	139	150	165	184	249	461	666	468	262	179	133	109	105	103	108
75.0	51.9	66.2	81.1	101	125	136	137	149	194	237	183	127	103	88.7	74.3	59.1	48.5	50.3
80.0	13.4	22.6	32.1	59.7	94.7	106	94.6	87.5	92.2	96.8	76.1	54.6	49.9	50.6	43.4	28.1	16.6	15
85.0	10.3	10.4	10.4	10.8	11.3	16.9	27.8	35.9	36.8	37.6	28	18	14.8	13.7	12.6	11.3	10.4	10.4
90.0	11.2	11.5	11.8	10.7	9.12	8.83	9.82	10.7	11.4	12.1	10.7	9.27	9.2	9.59	10.1	10.9	11.4	11.3
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: 2021-4-19

Remark: