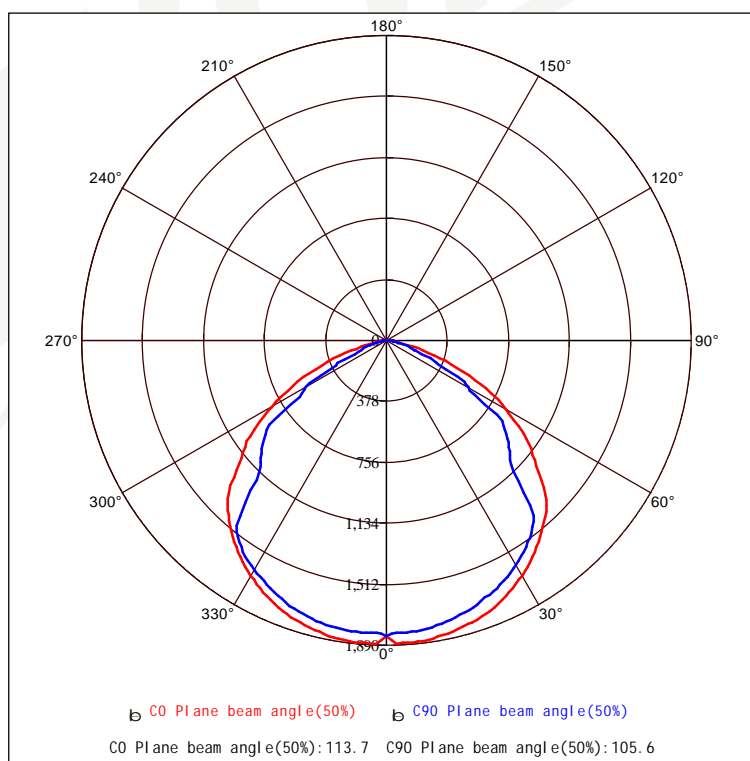


LED FLOOD LIGHT

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm						
Lamp Name: LPFL-50A01			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPFL-50A01		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-50A01		Peak Value(cd)	1883.1	Effi ciency(lm/w)	102.1
Nominal P(w)	1.0		Position	180.0, 4.0	UP(C0-C180)	0.0
Rated Volt(v)	220.0		Total Flux(lm)	4910.914	Down(C0-C180)	51.9
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)	48.1

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

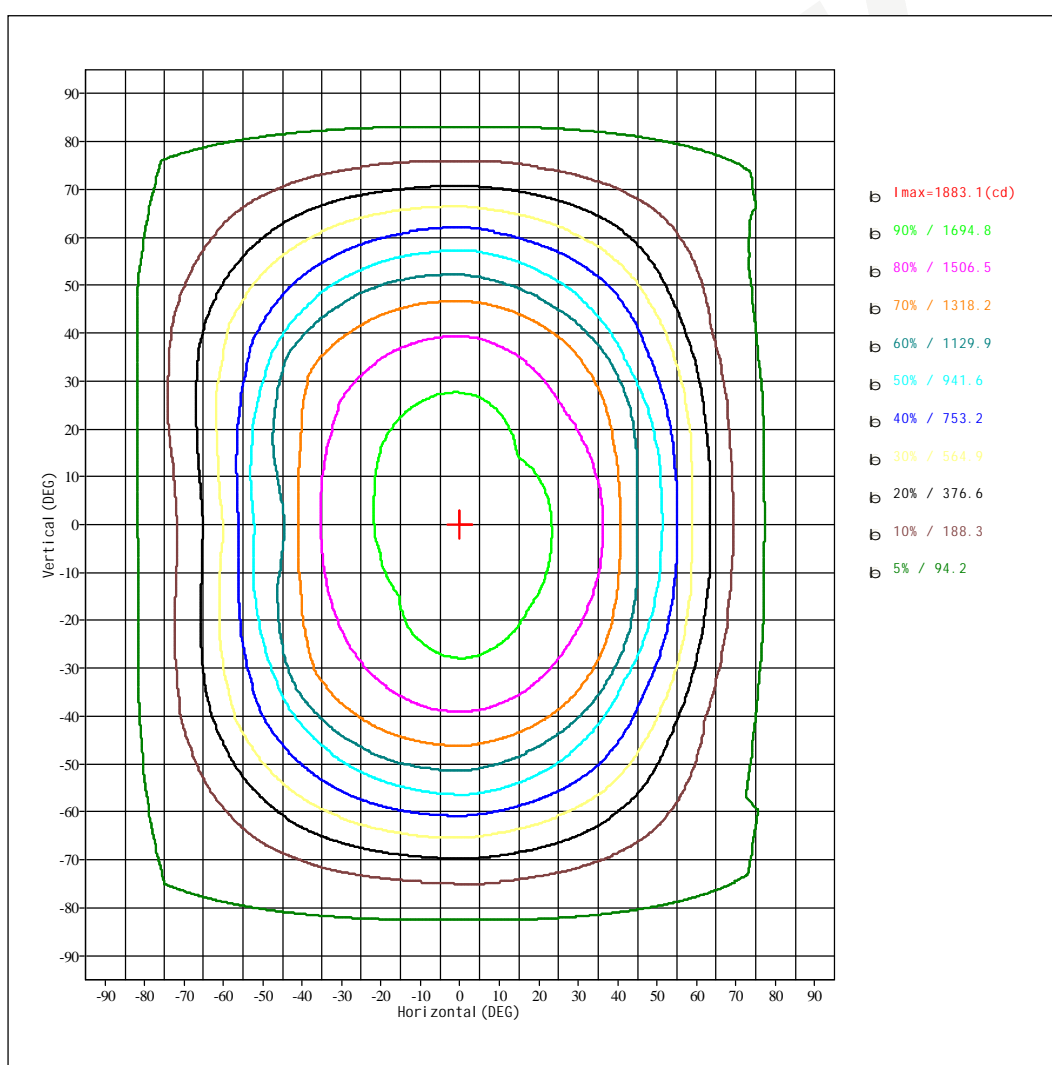
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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): 25

Tester: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

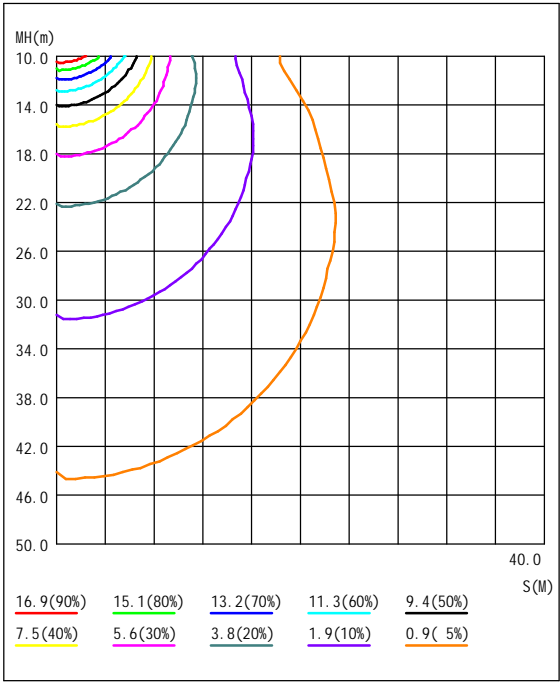
Humidity(%): 60

Date: 2019-10-25

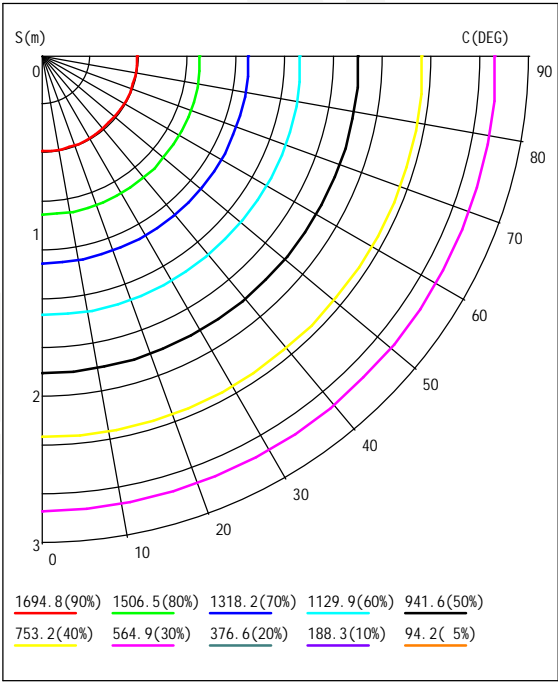
Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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): 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: 2019-10-25

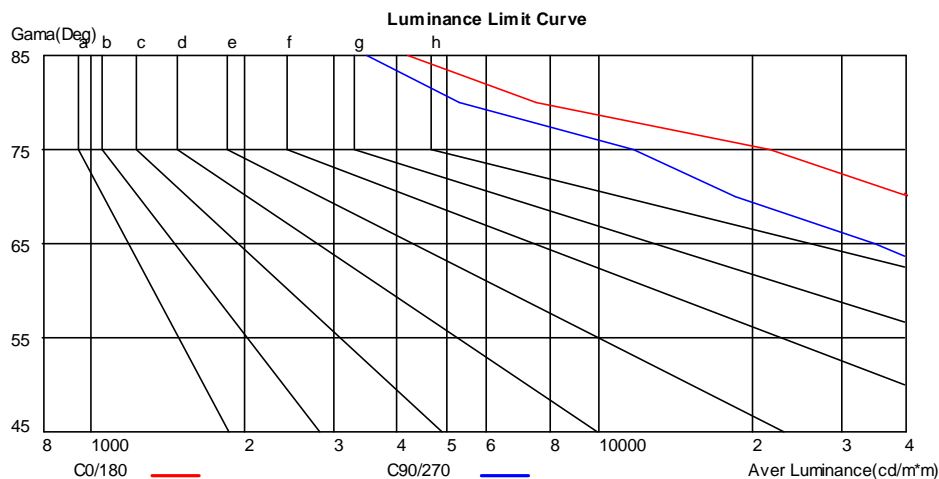
Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	Shape Si ze:
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	138880.0	119705.8	104842.3	83884.7	63341.4	40991.1	21699.4	7498.7	4199.2
C90	107512.5	97470.1	86631.3	57490.6	34840.0	18606.9	11719.0	5294.9	3485.9

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

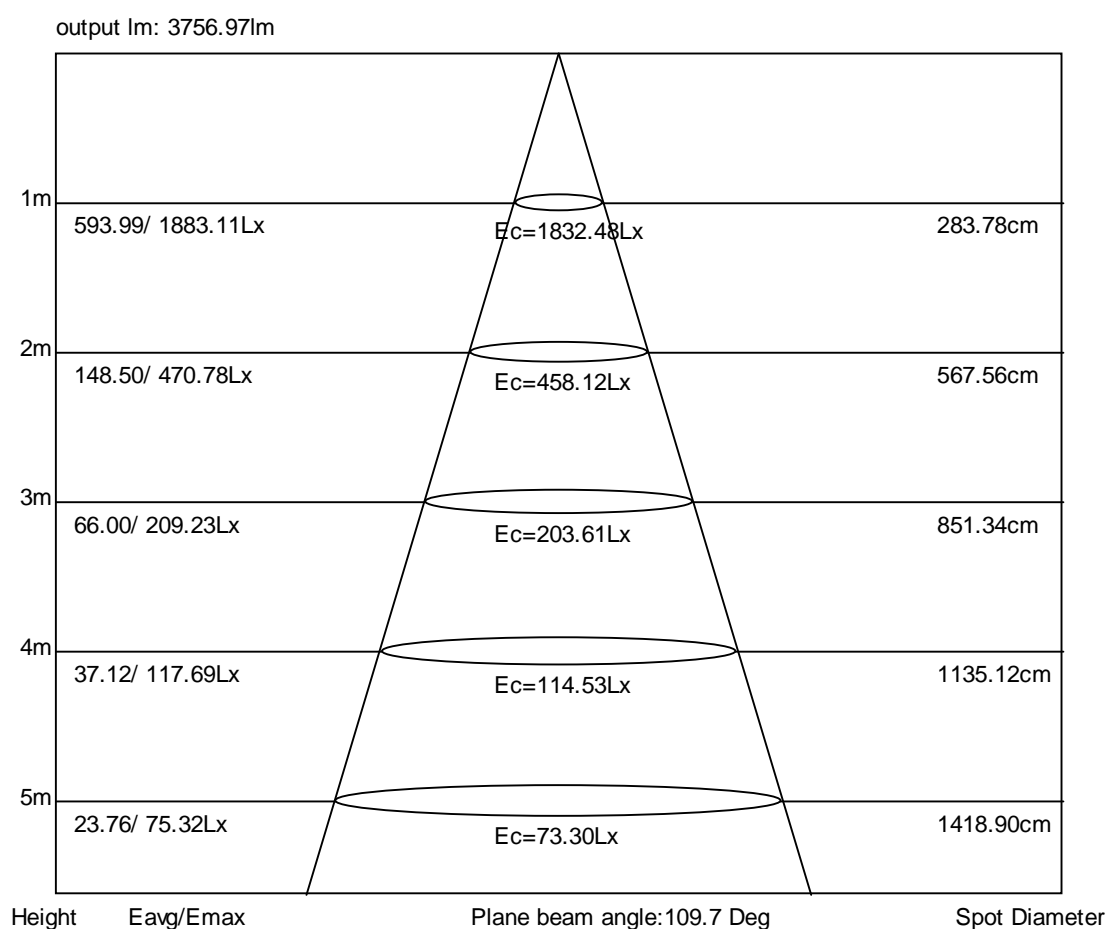
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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): 25

Tester: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

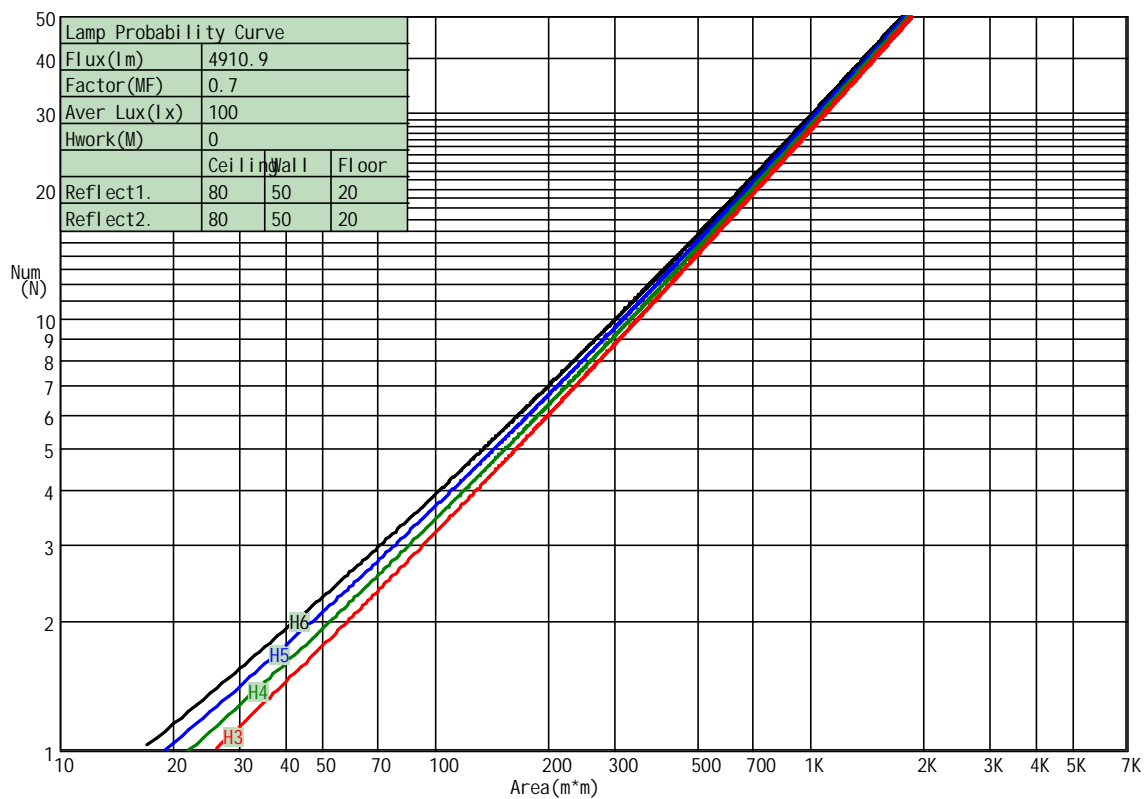
Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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): 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: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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	55	41	32	54	40	32	51	39	31
0.80	59	44	33	57	43	33	53	41	32
1.00	62	46	34	60	44	34	55	42	32
1.25	65	47	34	62	46	34	56	43	32
1.50	66	48	35	63	46	34	57	43	32
2.00	69	50	35	65	48	34	58	43	32
2.50	69	50	34	65	48	33	58	43	30
3.00	70	51	34	66	48	32	58	43	30
4.00	71	51	34	67	48	32	58	43	29
5.00	72	52	33	67	48	32	58	43	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	0.98	1.03	1	0.97	0.99	0.96	0.94	0.95	0.93	0.91	0.92	0.9	0.88
2	0.93	0.87	0.82	0.91	0.86	0.81	0.88	0.83	0.79	0.85	0.81	0.77	0.82	0.78	0.75
3	0.83	0.75	0.69	0.81	0.74	0.68	0.78	0.72	0.67	0.75	0.7	0.66	0.73	0.69	0.65
4	0.73	0.65	0.59	0.72	0.64	0.58	0.7	0.63	0.58	0.67	0.62	0.57	0.65	0.6	0.56
5	0.66	0.57	0.51	0.65	0.57	0.51	0.63	0.56	0.5	0.61	0.54	0.5	0.59	0.53	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	0.52	0.44	0.39	0.5	0.44	0.39	0.49	0.43	0.38
8	0.49	0.41	0.35	0.48	0.41	0.35	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.34
9	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31
10	0.42	0.34	0.29	0.41	0.34	0.29	0.4	0.33	0.28	0.39	0.33	0.28	0.38	0.32	0.28

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: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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	0.16	0.05	0.27	0.15	0.05	0.25	0.15	0.05	0.24	0.14	0.04	0.23	0.13	0.04
2	0.26	0.15	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	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	0.22	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	0.07	0.02	0.15	0.07	0.02	0.14	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): 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: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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	1880	1837	1812	1796	1883	1842	1817	1797	0-5	43.8	43.8
10	1864	1826	1793	1782	1868	1828	1806	1781	5-10	131	174
15	1834	1800	1762	1758	1837	1797	1786	1752	10-15	214	389
20	1800	1763	1716	1728	1802	1754	1745	1715	15-20	292	681
25	1743	1717	1663	1679	1746	1698	1693	1661	20-25	362	1043
30	1677	1659	1599	1616	1678	1625	1634	1590	25-30	422	1465
35	1595	1576	1521	1541	1597	1534	1559	1507	30-35	470	1934
40	1500	1494	1391	1457	1495	1437	1378	1415	35-40	502	2436
45	1389	1395	1075	1359	1375	1303	1097	1302	40-45	504	2940
50	1197	1274	975	1231	1173	973	984	1069	45-50	486	3426
55	1048	1062	866	907	1015	770	767	814	50-55	440	3866
60	839	797	575	770	806	615	565	655	55-60	364	4230
65	633	650	348	619	595	351	325	383	60-65	285	4515
70	410	402	186	368	372	156	151	203	65-70	192	4706
75	217	228	117	200	180	68.6	81.8	84.3	70-75	110	4817
80	75	118	52.9	97.4	59.1	29.4	35.7	35.4	75-80	52.6	4869
85	42	63.8	34.9	49.9	28.1	19.5	19.7	19	80-85	25.7	4895
90	32.7	36.3	31.5	32.2	19.8	19.5	16.4	16.4	85-90	15.8	4911
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: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-10-25

Remark:

Measured Para U: 216.1V I: 339.0mA P: 48.10W PF: 0.656 Test LM: 4910.91lm		
Lamp Name: LPFL-50A01	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPFL-50A01	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	1880	1861	1842	1829	1817	1809	1801	1806	1845	1883	1865	1846	1834	1822	1812	1804	1807	1844
10.0	1864	1848	1831	1816	1801	1791	1786	1791	1830	1868	1851	1832	1821	1810	1800	1789	1790	1828
15.0	1834	1819	1804	1788	1770	1761	1759	1766	1802	1837	1820	1802	1794	1788	1778	1763	1761	1798
20.0	1800	1784	1767	1748	1726	1718	1724	1736	1769	1802	1781	1759	1751	1747	1739	1725	1724	1762
25.0	1743	1732	1720	1699	1675	1667	1674	1686	1717	1746	1725	1704	1697	1694	1686	1671	1670	1707
30.0	1677	1669	1661	1639	1612	1603	1610	1623	1651	1678	1655	1631	1628	1632	1625	1604	1599	1639
35.0	1595	1587	1578	1558	1533	1525	1534	1547	1573	1597	1569	1541	1542	1553	1548	1524	1517	1557
40.0	1500	1497	1494	1460	1414	1406	1436	1461	1478	1495	1470	1444	1418	1391	1386	1403	1425	1463
45.0	1389	1391	1394	1290	1145	1137	1266	1361	1368	1375	1344	1311	1235	1142	1142	1235	1311	1351
50.0	1197	1231	1265	1175	1040	1031	1147	1225	1198	1173	1085	994	976	981	1003	1041	1083	1141
55.0	1048	1054	1061	998	909	875	894	919	968	1015	908	796	769	767	777	798	839	946
60.0	839	820	801	724	623	618	706	774	790	806	723	636	599	576	584	625	675	758
65.0	633	641	648	551	414	408	530	616	606	595	488	377	342	331	338	364	410	524
70.0	410	407	403	331	233	226	309	369	371	372	278	180	154	152	162	186	225	319
75.0	217	222	227	192	142	135	173	197	188	180	131	80.8	73	78.9	82.4	83.5	98.9	159
80.0	75	93.9	113	96.7	67.2	62.7	82.8	93.2	75.9	59.1	46.1	32.7	31.5	34.3	35.7	35.5	39.8	57.7
85.0	42	51.5	61.4	54.3	41.2	38.1	45	47.5	37.6	28.1	24.3	20.4	19.6	19.7	19.6	19.2	21.5	31.9
90.0	32.7	34.3	35.9	34.7	32.5	31.6	32	30.9	25.2	19.8	19.6	19.5	18.5	17.1	16.4	16.4	18.1	25.6
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: 2019-10-25

Remark: