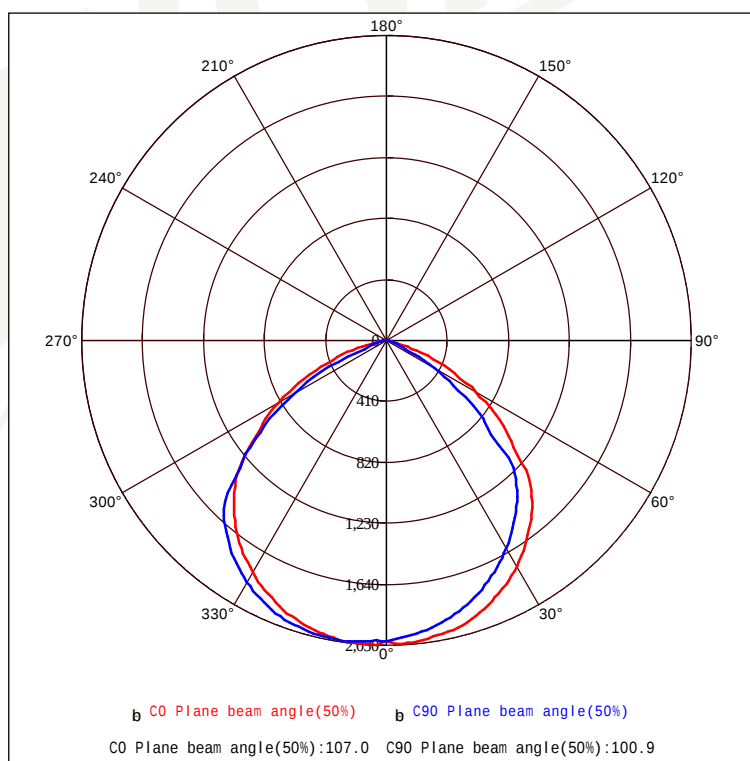


LED FLOOD LIGHT

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm						
Lamp Name: LPFL50A			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPFL50A		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL50A		Peak Value(cd)	2049.0	Efficiency(lm/w)	101.3
Nominal P(w)		1.0	Position	180.0,2.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	4954.946	Down(C0-C180)	46.8
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)	53.2

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

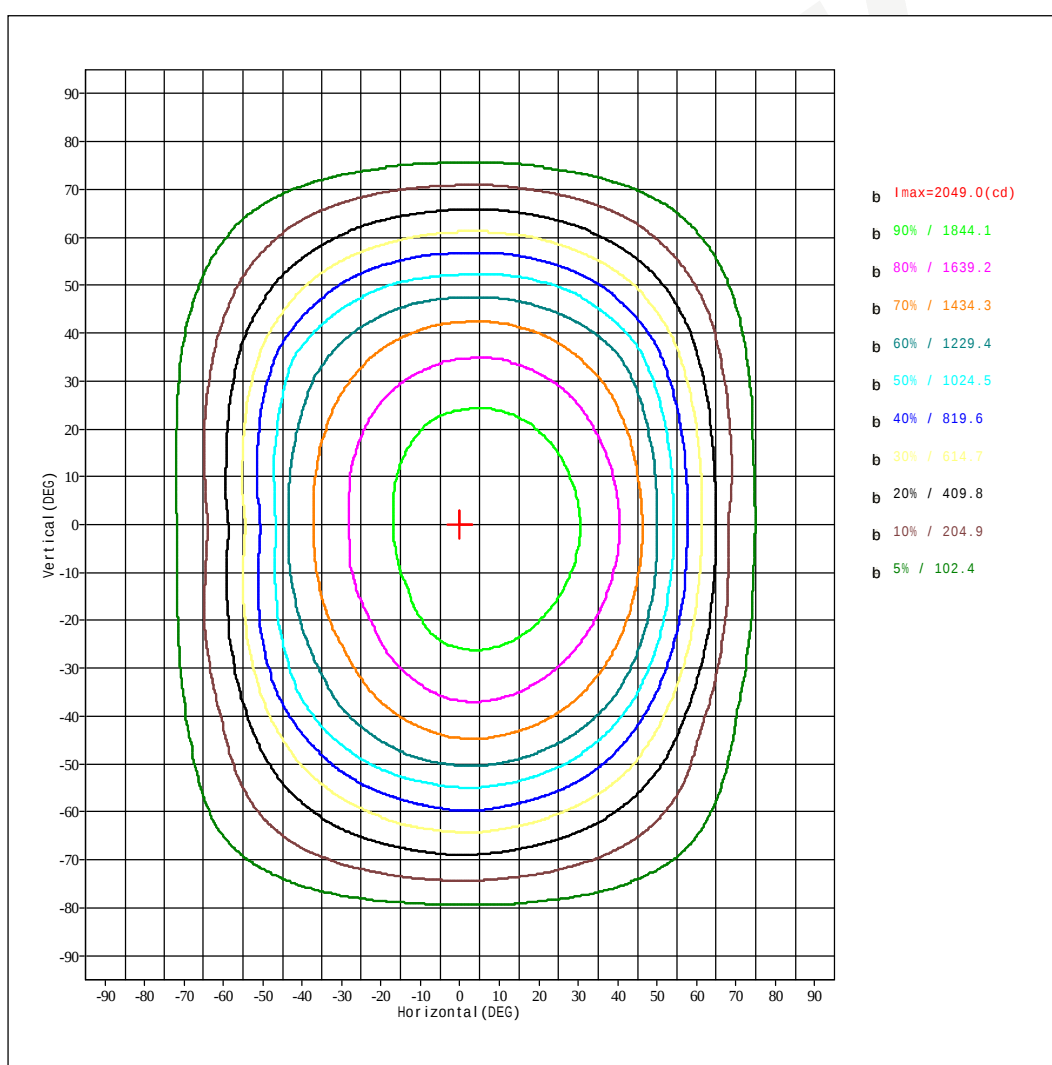
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

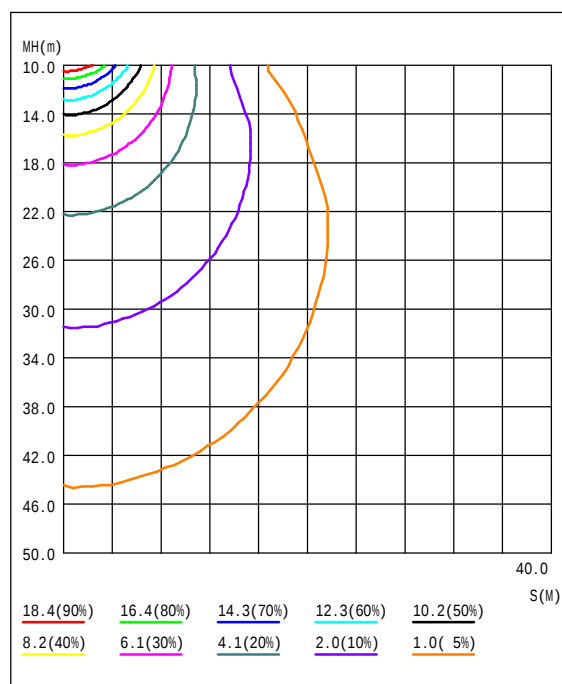
Humidity(%): 60

Date: 2021-10-11

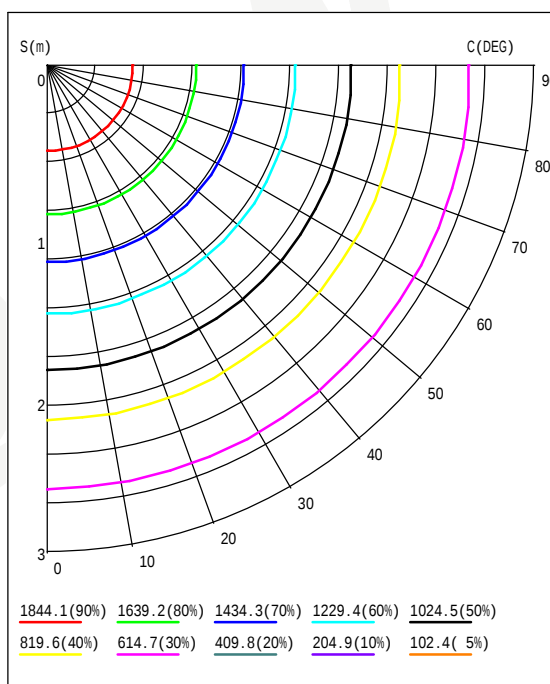
Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

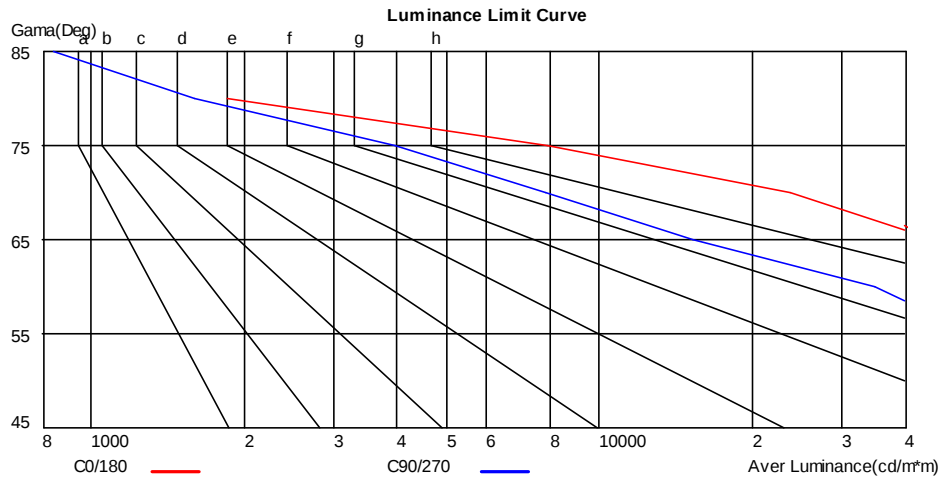
Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	Shape Size:
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	135540.0	109932.3	91503.3	67646.0	45184.2	23733.5	7924.5	1851.0	728.5
C90	119438.5	84937.3	55737.8	34959.8	15336.0	7858.8	3971.5	1591.5	841.5

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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

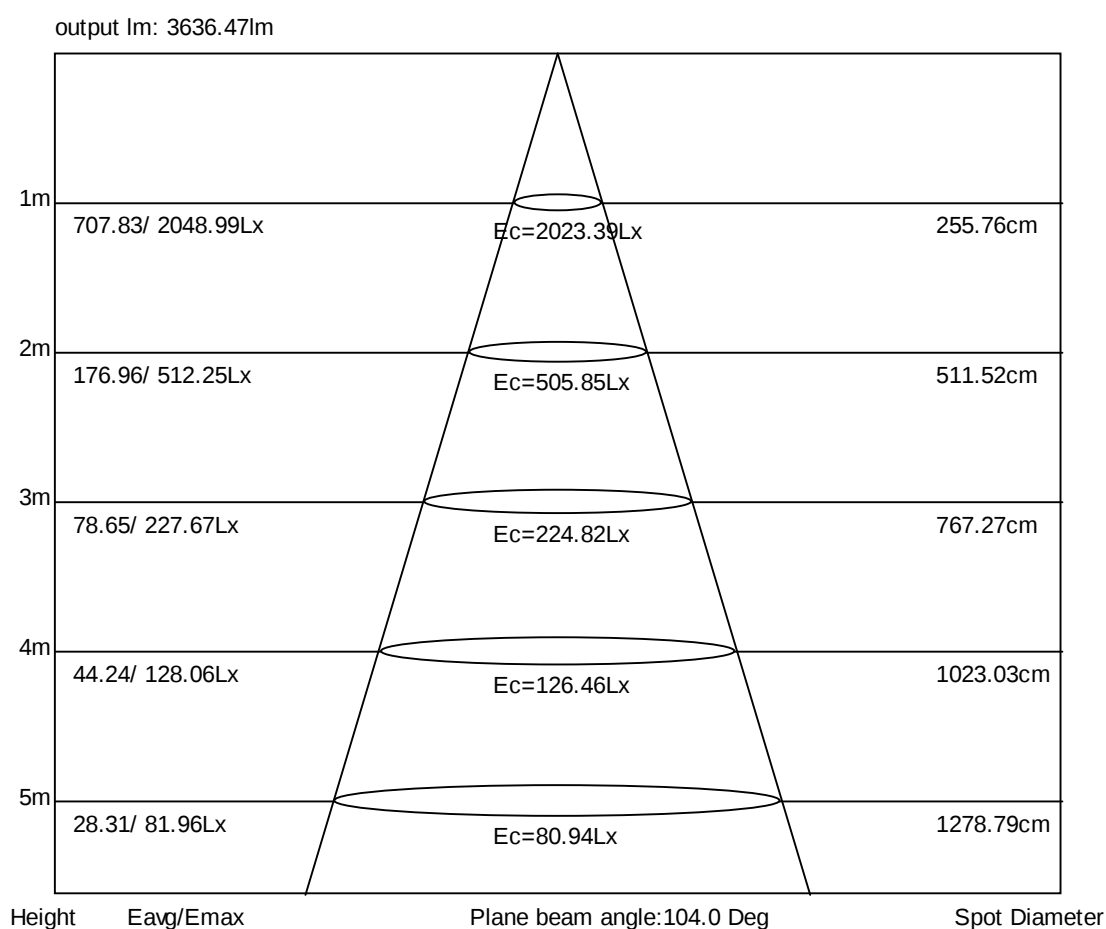
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

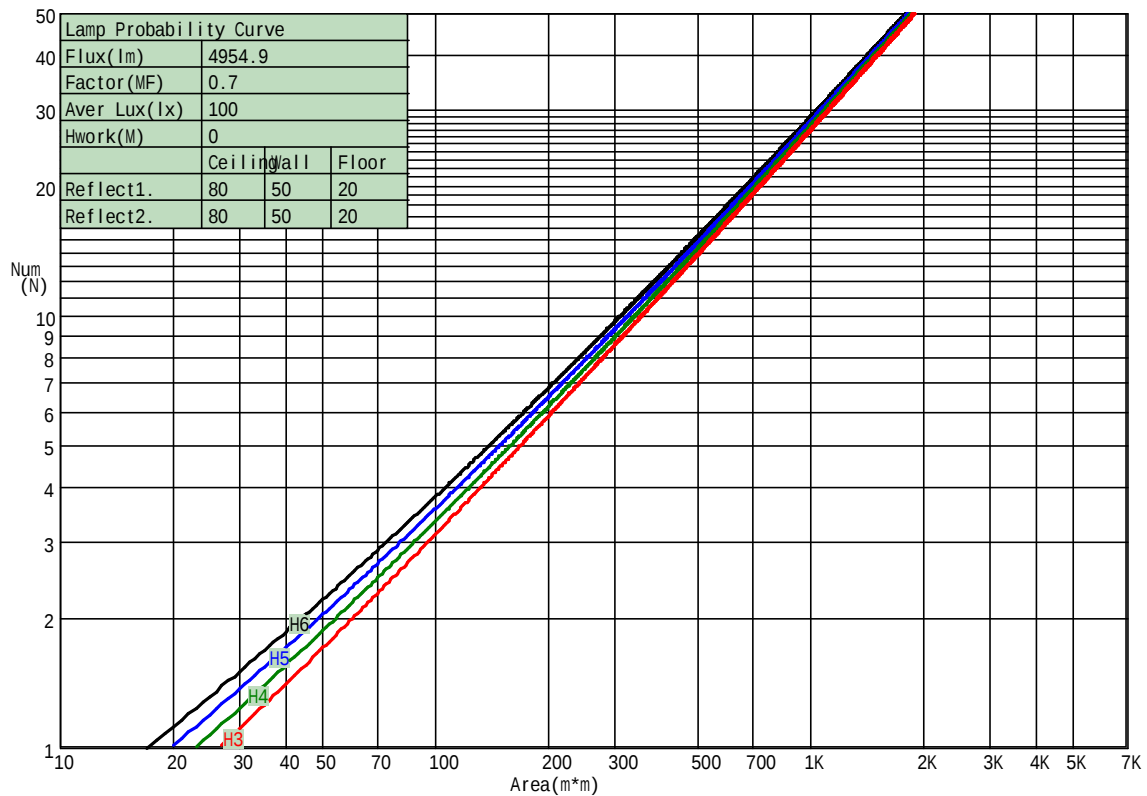
Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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	56	41	32	54	41	32	51	39	32
0.80	59	43	33	57	42	32	53	40	31
1.00	62	45	33	59	44	33	55	41	32
1.25	64	46	33	61	45	32	55	42	31
1.50	65	47	33	62	45	32	56	42	30
2.00	67	48	33	64	46	32	57	42	30
2.50	68	49	32	64	46	31	57	41	29
3.00	69	49	32	65	46	31	57	41	28
4.00	70	50	32	66	47	30	57	41	27
5.00	71	50	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	1.07	1.03	1	1.05	1.01	0.98	1	0.98	0.95	0.96	0.94	0.92	0.93	0.91	0.9
2	0.95	0.89	0.84	0.93	0.88	0.83	0.9	0.85	0.81	0.86	0.83	0.79	0.83	0.8	0.78
3	0.84	0.77	0.71	0.83	0.76	0.71	0.8	0.74	0.69	0.77	0.72	0.68	0.75	0.71	0.67
4	0.75	0.67	0.61	0.74	0.67	0.61	0.72	0.65	0.6	0.69	0.64	0.59	0.67	0.62	0.59
5	0.68	0.59	0.53	0.67	0.59	0.53	0.65	0.58	0.52	0.63	0.57	0.52	0.61	0.56	0.51
6	0.61	0.53	0.47	0.6	0.52	0.47	0.59	0.51	0.46	0.57	0.51	0.46	0.55	0.5	0.45
7	0.56	0.47	0.42	0.55	0.47	0.41	0.53	0.46	0.41	0.52	0.46	0.41	0.51	0.45	0.41
8	0.51	0.43	0.37	0.5	0.42	0.37	0.49	0.42	0.37	0.48	0.41	0.37	0.46	0.41	0.36
9	0.47	0.39	0.33	0.46	0.39	0.33	0.45	0.38	0.33	0.44	0.38	0.33	0.43	0.37	0.33
10	0.43	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	0.3

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: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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	0.26	0.15	0.05	0.25	0.14	0.04	0.24	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04
2	0.25	0.14	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
3	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.21	0.11	0.04
4	0.22	0.12	0.03	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.11	0.03
5	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03
6	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.18	0.09	0.03
7	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
8	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
9	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
10	0.16	0.08	0.02	0.15	0.07	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	0.14	0.09	0.05	0.12	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	0.03	0.05	0.03	0.02	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	0.12	0.07	0.03	0.11	0.06	0.03	0.07	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	0.11	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: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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	2043	2008	1985	1989	2047	2039	2033	2021	0-5	48.4	48.4
10	2011	1971	1938	1951	2029	2029	2036	2012	5-10	144	192
15	1978	1921	1881	1898	1995	2008	2025	1996	10-15	235	427
20	1915	1855	1803	1831	1945	1965	1994	1954	15-20	319	746
25	1837	1770	1709	1742	1874	1905	1940	1896	20-25	392	1138
30	1746	1670	1602	1638	1792	1820	1868	1820	25-30	453	1591
35	1628	1554	1487	1524	1693	1719	1780	1714	30-35	498	2089
40	1509	1426	1353	1391	1572	1596	1666	1594	35-40	526	2615
45	1355	1282	1194	1245	1433	1445	1504	1455	40-45	534	3148
50	1099	1122	849	1072	1249	1282	1238	1292	45-50	506	3655
55	915	902	557	888	1021	997	973	1064	50-55	452	4106
60	676	588	350	552	815	688	689	764	55-60	356	4462
65	452	329	153	303	590	436	391	480	60-65	250	4712
70	237	140	78.6	134	367	148	119	237	65-70	141	4853
75	79.2	54.8	39.7	48.9	181	54.3	70.1	59.2	70-75	63.4	4916
80	18.5	22.9	15.9	20	50	20.1	28.7	23.8	75-80	24.5	4941
85	7.29	9.47	8.41	9.47	16.1	10.4	11.6	11.4	80-85	8.68	4949
90	8.26	9.01	9.51	10.3	11.8	11.4	10.8	11.9	85-90	5.53	4955
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: 2021-10-11

Remark:

Measured Para U: 217.9V I: 358.0mA P: 48.90W PF: 0.625 Test LM: 4954.95lm		
Lamp Name: LPFL50A	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPFL50A	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	2043	2027	2011	2000	1990	1986	1988	1996	2022	2047	2043	2040	2037	2035	2031	2025	2023	2033
10.0	2011	1994	1975	1960	1945	1941	1947	1960	1995	2029	2029	2029	2031	2034	2031	2020	2012	2012
15.0	1978	1953	1927	1908	1889	1884	1892	1908	1952	1995	2001	2007	2014	2022	2019	2006	1994	1986
20.0	1915	1889	1862	1838	1814	1809	1822	1844	1895	1945	1953	1963	1974	1988	1985	1967	1949	1932
25.0	1837	1808	1778	1750	1722	1716	1731	1757	1816	1874	1888	1902	1917	1932	1931	1911	1890	1863
30.0	1746	1713	1678	1648	1617	1610	1627	1655	1725	1792	1804	1816	1836	1858	1858	1836	1812	1779
35.0	1628	1596	1562	1532	1501	1495	1512	1543	1619	1693	1704	1716	1739	1767	1765	1736	1705	1666
40.0	1509	1473	1435	1402	1369	1362	1379	1411	1493	1572	1583	1594	1619	1651	1650	1618	1585	1546
45.0	1355	1323	1290	1254	1214	1206	1229	1266	1351	1433	1439	1444	1464	1491	1493	1471	1444	1399
50.0	1099	1109	1119	1032	909	898	999	1091	1172	1249	1264	1278	1268	1248	1250	1275	1271	1184
55.0	915	909	903	789	633	630	779	902	963	1021	1011	1000	989	978	993	1035	1048	980
60.0	676	638	597	509	402	394	486	581	700	815	759	702	688	689	706	740	755	715
65.0	452	398	343	272	192	186	254	334	465	590	523	453	421	401	410	451	477	464
70.0	237	195	151	120	92.1	90.8	116	160	265	367	271	172	139	125	145	199	237	237
75.0	79.2	68.6	57.5	49.9	43	41.7	45.9	63.4	123	181	126	68.2	59.5	66.6	67.7	62.8	61.4	70.5
80.0	18.5	20.4	22.4	20.6	17.4	16.8	18.7	23.3	36.9	50	36.9	23.4	22.9	26.8	27.6	25.4	23.2	20.8
85.0	7.29	8.24	9.23	9.12	8.64	8.64	9.12	10.2	13.2	16.1	13.6	11.1	10.8	11.4	11.6	11.5	10.9	9.09
90.0	8.26	8.58	8.92	9.17	9.4	9.68	10	10.5	11.1	11.8	11.6	11.5	11.2	11	11.1	11.5	11.5	9.83
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: 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: 2021-10-11

Remark: