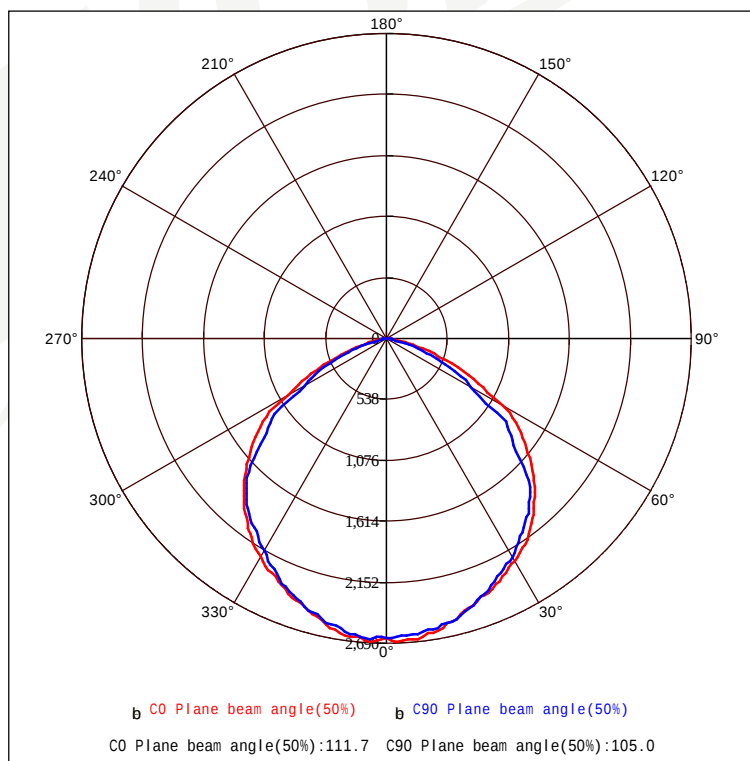


Goniophotometer Test Report

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPFL-100X01			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model			Peak Value(cd)	2690.5	Efficiency(lm/w)	94.6
Nominal P(w)		1.0	Position	0.0,2.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	9545.14	Down(C0-C180)	51.5
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)	48.5

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

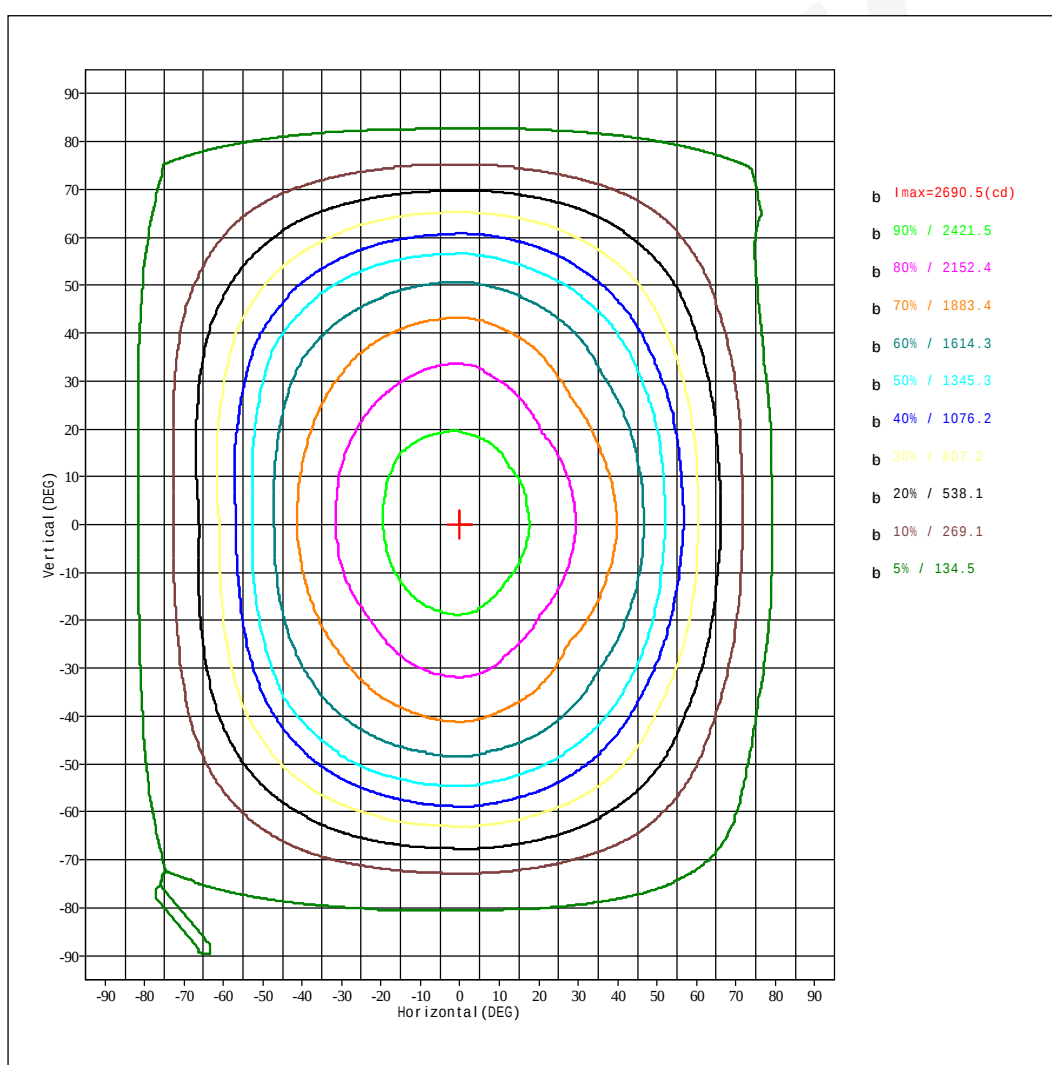
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

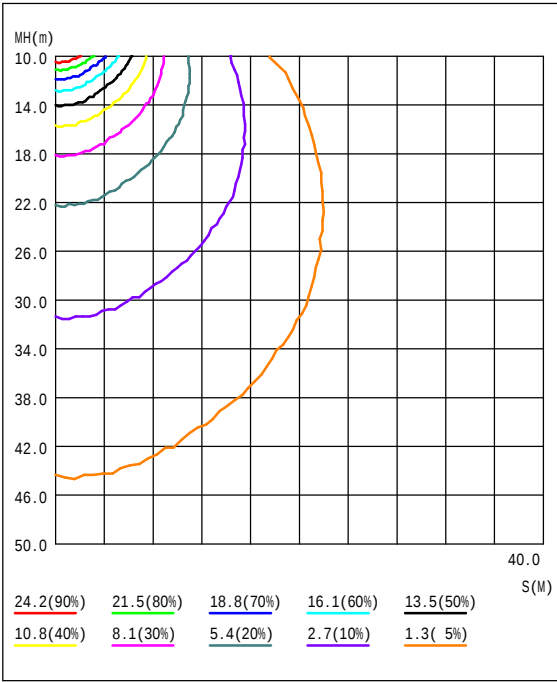
Humidity(%): 60

Date: 2023-10-23

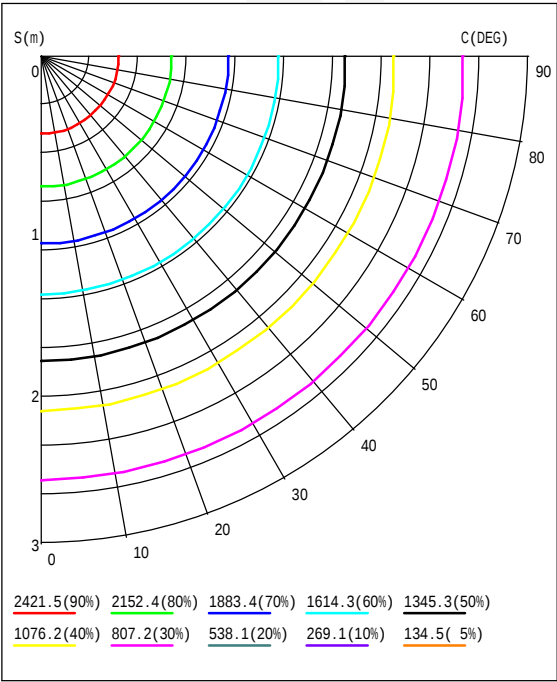
Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

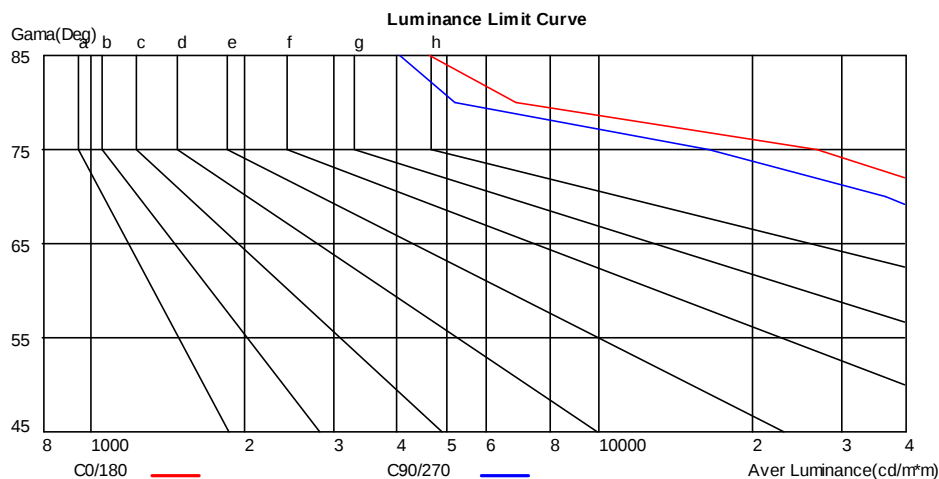
Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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	183214.2	162125.0	143734.6	110976.5	82069.2	52910.5	26827.4	6834.9	4631.6
C90	174985.1	144588.8	126782.2	83754.2	58419.9	36814.4	16441.5	5190.4	4061.3

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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

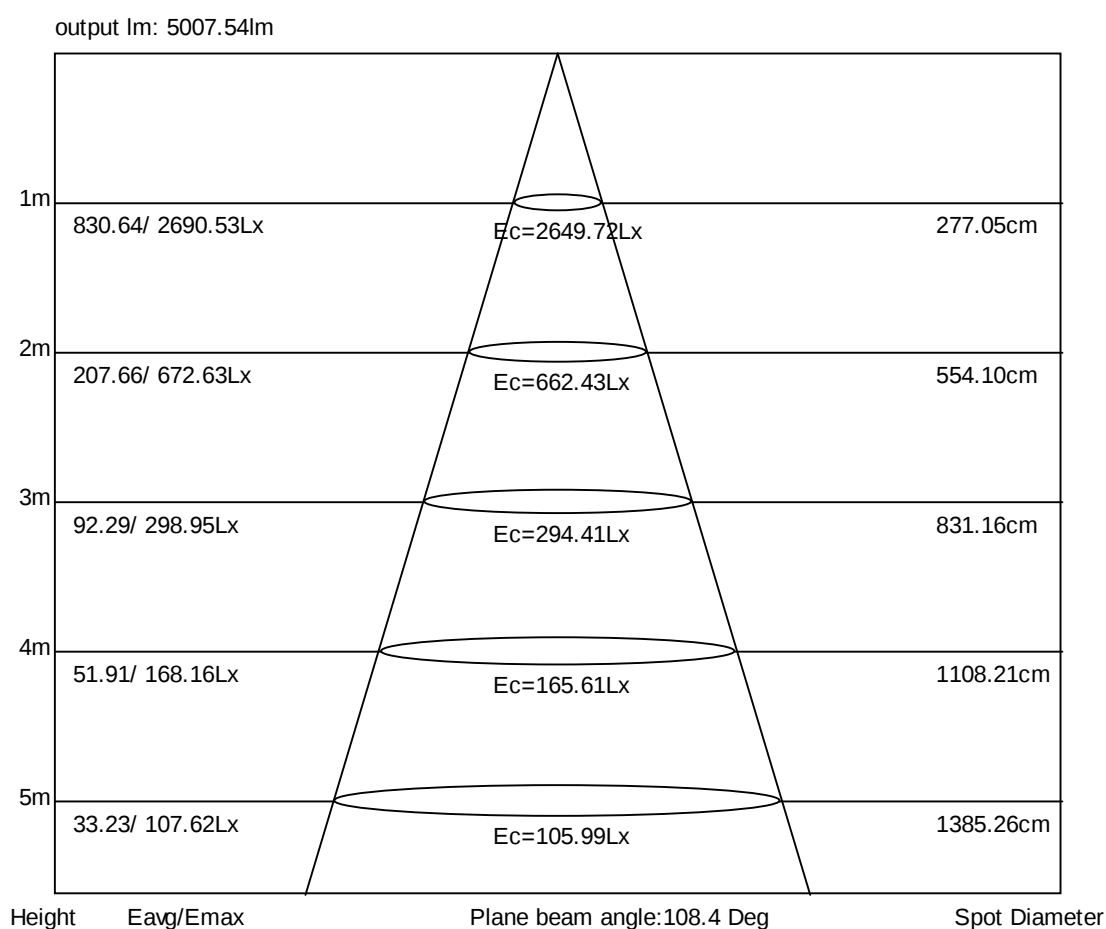
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

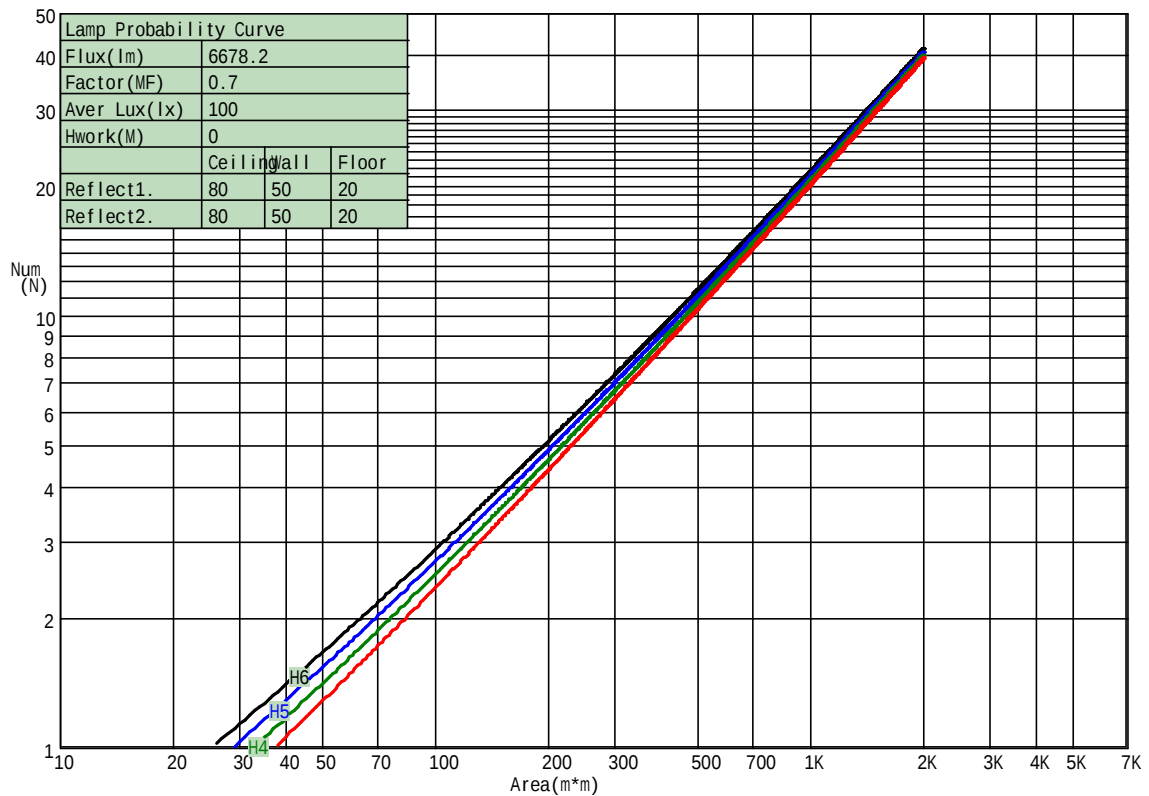
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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	55	40	32	53	40	31	50	38	31
0.80	59	43	33	57	42	32	53	40	31
1.00	62	45	34	59	44	33	55	42	32
1.25	64	47	34	61	45	33	56	42	32
1.50	66	48	34	63	46	33	57	43	31
2.00	68	49	34	65	47	33	58	43	31
2.50	69	50	34	65	47	32	58	43	30
3.00	70	50	33	66	48	32	58	42	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	0.97	0.99	0.97	0.94	0.96	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	0.79	0.76
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	0.74	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	0.49	0.41	0.35	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.35
9	0.45	0.37	0.32	0.45	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	0.29	0.39	0.33	0.28	0.38	0.33	0.28

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.23	0.13	0.04
2	0.26	0.14	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): 30

Tester: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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	2665	2650	2622	2603	2638	2643	2632	2627	0-5	63.2	63.2
10	2610	2621	2586	2596	2604	2565	2565	2547	5-10	187	250
15	2502	2536	2528	2493	2518	2459	2508	2491	10-15	302	552
20	2427	2470	2417	2409	2438	2336	2413	2361	15-20	404	956
25	2356	2345	2296	2280	2299	2202	2280	2218	20-25	493	1449
30	2258	2224	2213	2137	2203	2068	2145	2106	25-30	565	2013
35	2157	2096	2084	2020	2100	1936	2019	1945	30-35	621	2634
40	2013	1967	1928	1881	1945	1768	1904	1806	35-40	657	3292
45	1832	1802	1750	1722	1740	1617	1715	1674	40-45	673	3964
50	1621	1643	1446	1561	1545	1446	1417	1492	45-50	657	4622
55	1437	1459	1268	1370	1339	1060	1215	1297	50-55	617	5239
60	1110	1179	838	930	973	808	810	894	55-60	517	5755
65	821	840	584	729	707	527	569	666	60-65	394	6149
70	529	551	368	447	405	285	326	410	65-70	276	6425
75	268	299	164	201	173	96.3	137	165	70-75	155	6580
80	68.3	93.1	51.9	63.6	36.9	33.4	39.2	40.1	75-80	57.3	6637
85	46.3	46.9	40.6	43.1	28.7	26.7	29	27.7	80-85	22.8	6660
90	41.4	39	38.2	37.9	27	26.8	24.8	24.4	85-90	18.4	6678
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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.5V I: 497.8mA P: 100.90W PF: 0.932 Test LM: 9545.14lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-100X01	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	2665	2658	2652	2641	2628	2618	2609	2607	2623	2638	2640	2642	2639	2634	2631	2629	2631	2648
10.0	2610	2615	2620	2610	2594	2588	2592	2597	2600	2604	2587	2569	2565	2565	2561	2553	2554	2583
15.0	2502	2517	2532	2533	2530	2520	2504	2495	2507	2518	2493	2466	2475	2498	2505	2497	2492	2497
20.0	2427	2446	2466	2453	2429	2415	2412	2412	2425	2438	2393	2347	2361	2396	2401	2378	2368	2398
25.0	2356	2351	2346	2329	2306	2292	2285	2282	2290	2299	2257	2213	2228	2263	2267	2239	2233	2296
30.0	2258	2243	2228	2221	2215	2196	2162	2144	2174	2203	2144	2083	2093	2128	2137	2119	2123	2192
35.0	2157	2130	2102	2092	2087	2070	2041	2028	2065	2100	2029	1954	1963	2001	2003	1969	1968	2064
40.0	2013	1993	1972	1955	1937	1918	1896	1888	1917	1945	1868	1788	1813	1874	1882	1838	1828	1922
45.0	1832	1819	1805	1785	1761	1744	1731	1723	1732	1740	1686	1631	1649	1693	1706	1687	1691	1763
50.0	1621	1631	1640	1578	1489	1471	1524	1560	1552	1545	1502	1457	1437	1423	1433	1467	1506	1565
55.0	1437	1447	1457	1397	1310	1290	1337	1367	1353	1339	1217	1090	1111	1181	1233	1270	1312	1376
60.0	1110	1140	1172	1067	912	858	900	935	954	973	901	826	809	810	828	866	917	1015
65.0	821	829	838	756	640	616	682	727	717	707	628	547	541	560	591	634	683	753
70.0	529	539	549	491	408	385	421	443	423	405	353	298	299	317	345	382	423	477
75.0	268	282	295	255	194	172	189	198	185	173	139	105	110	128	143	156	176	223
80.0	68.3	79.2	90.4	79.6	60.9	54.5	59.8	60.7	48.6	36.9	35.4	33.8	35.3	38	39.4	39.8	43.2	56
85.0	46.3	46.6	46.8	44.8	42	41.2	42.3	41.6	35	28.7	27.8	26.9	27.4	28.5	28.7	28.1	29.7	38.2
90.0	41.4	40.4	39.2	38.7	38.4	38.1	38	36.7	31.7	27	26.9	26.8	26.1	25.2	24.7	24.5	26.2	34
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: WH

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-10-23

Remark: