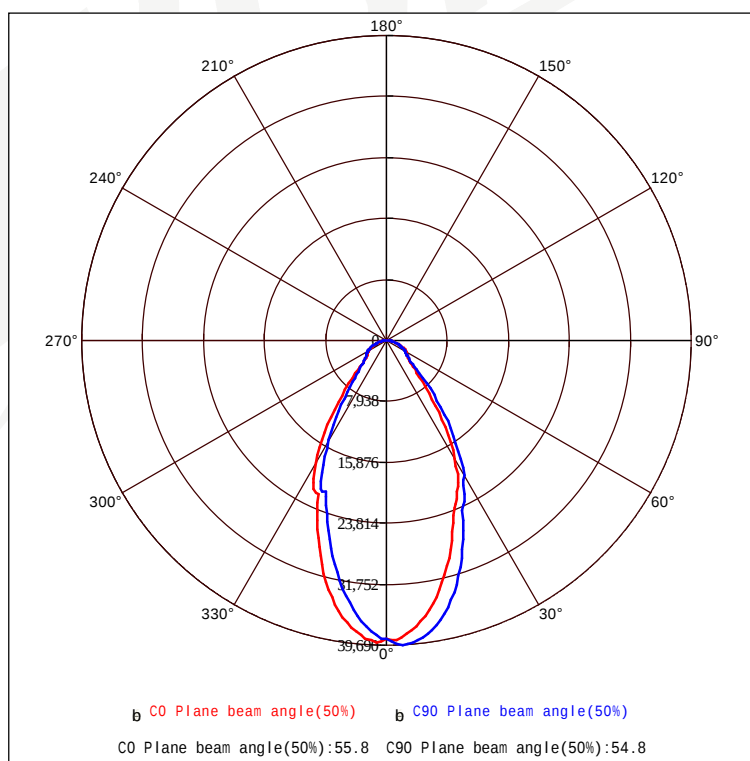


Goniophotometer Test Report

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.8lm						
Lamp Name: LED FLOOD LIGHT			Lamp Type: CLASS I		Weight(kg):	
Lamp ID: LPFL-400X01			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPFL-400X01		Peak Value(cd)	39746.5	Efficiency(lm/w)	103.4
Nominal P(w)		1.0	Position	90.0,3.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	40708.8	Down(C0-C180)	55.3
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)	44.7

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

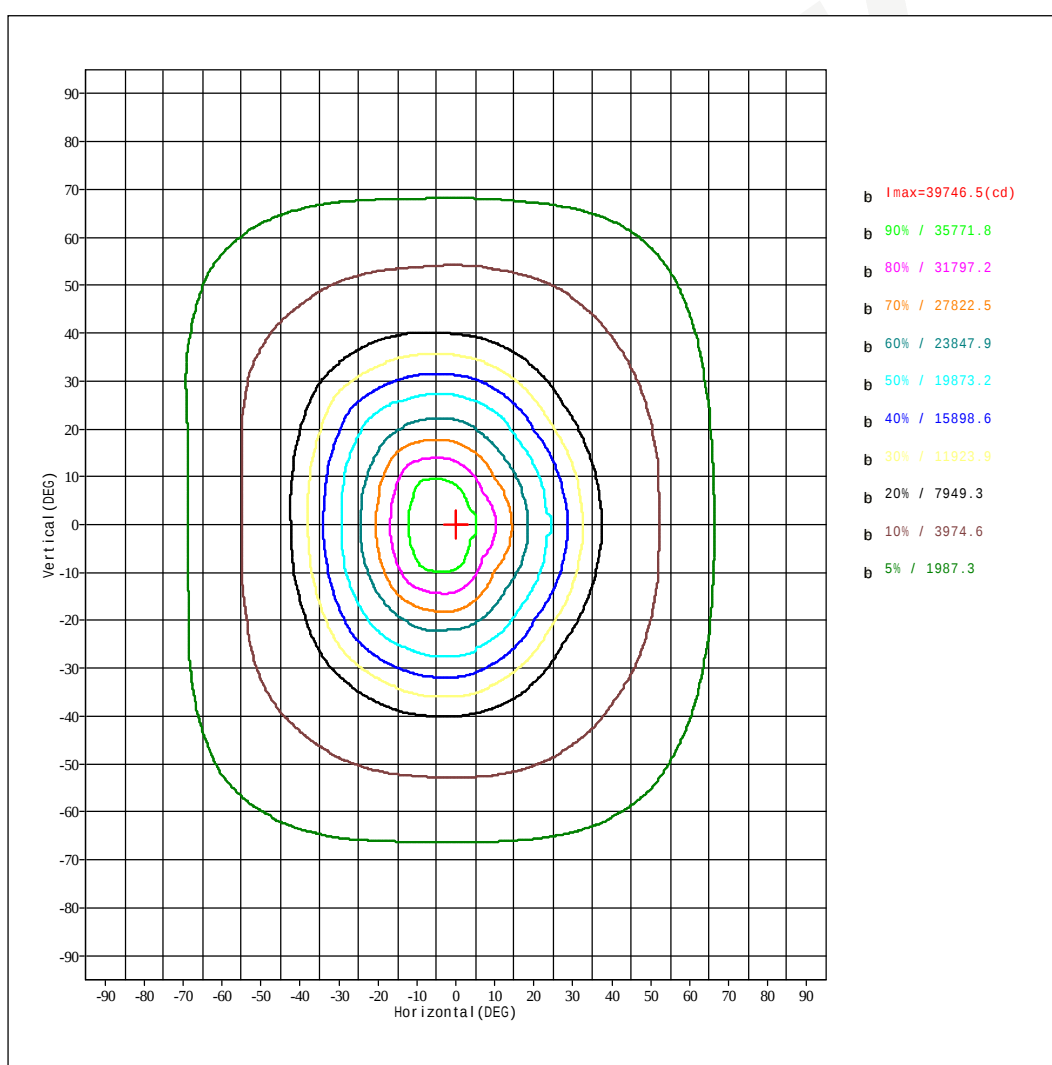
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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: zxc

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

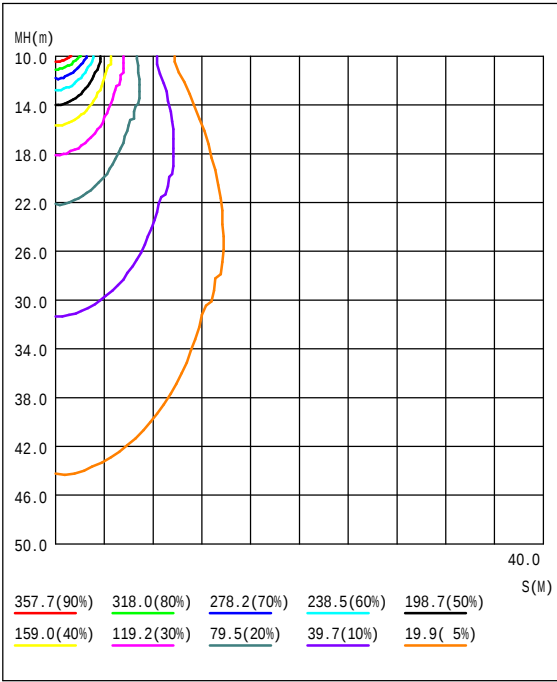
Humidity(%): 60

Date: 2023-10-23

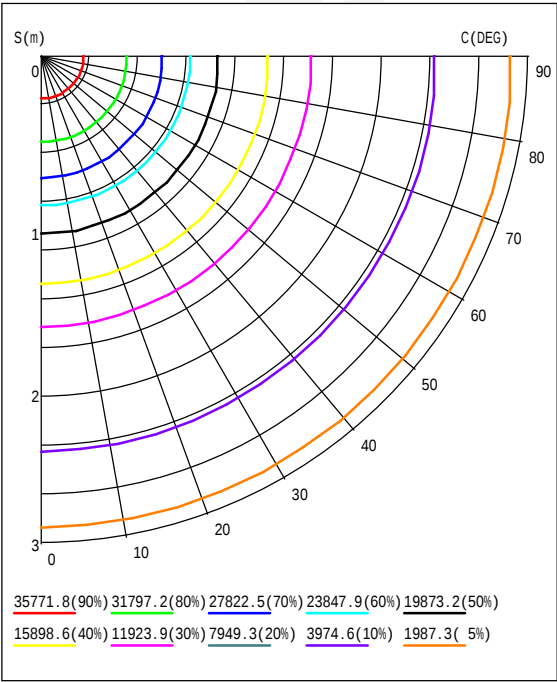
Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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: 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: 2023-10-23

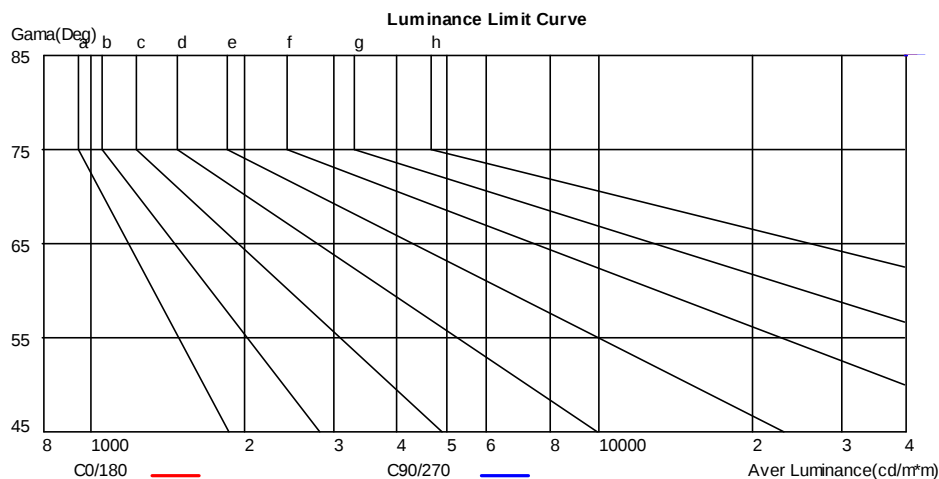
Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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	468559.0	362268.1	326487.4	291902.3	241435.6	178302.1	123787.6	76297.5	42326.2
C90	580494.1	380637.0	314241.6	271380.5	226879.5	175845.9	126758.7	79811.9	43804.8

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: zyg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

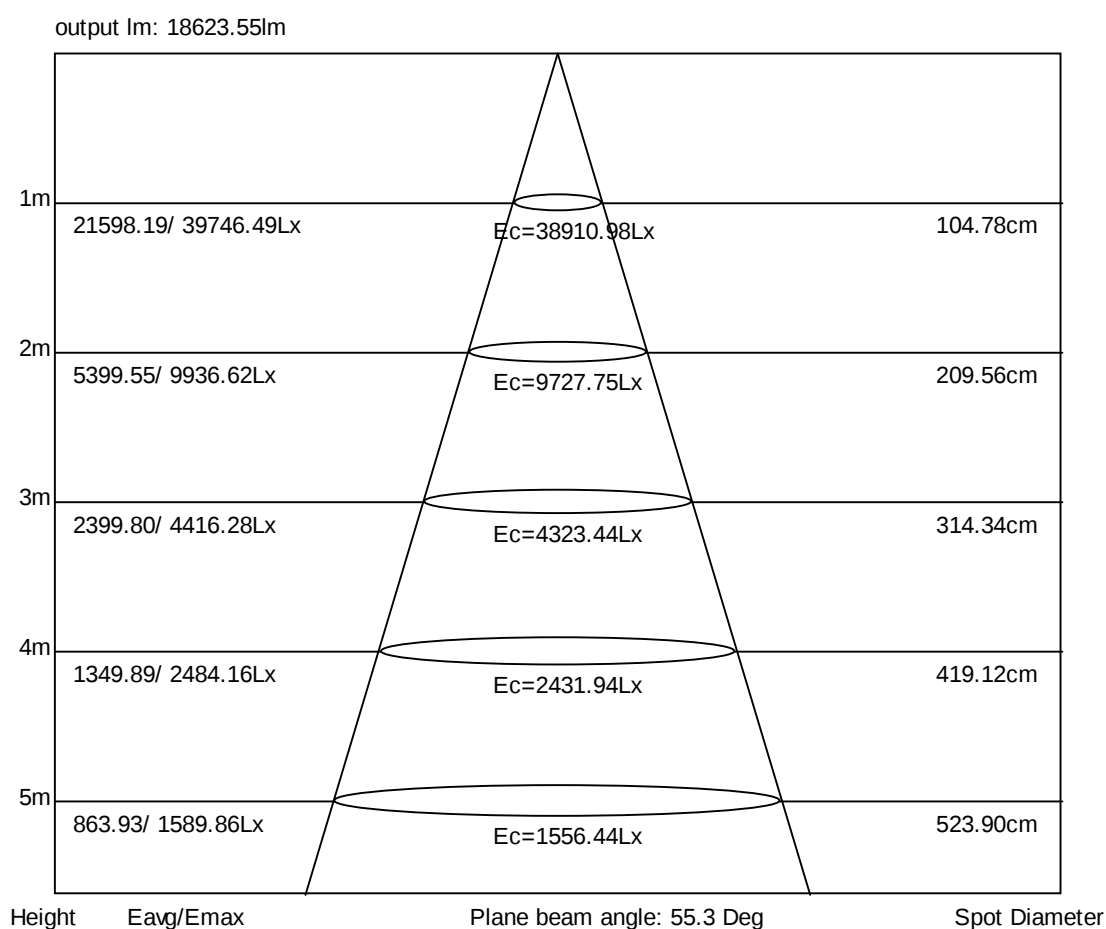
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

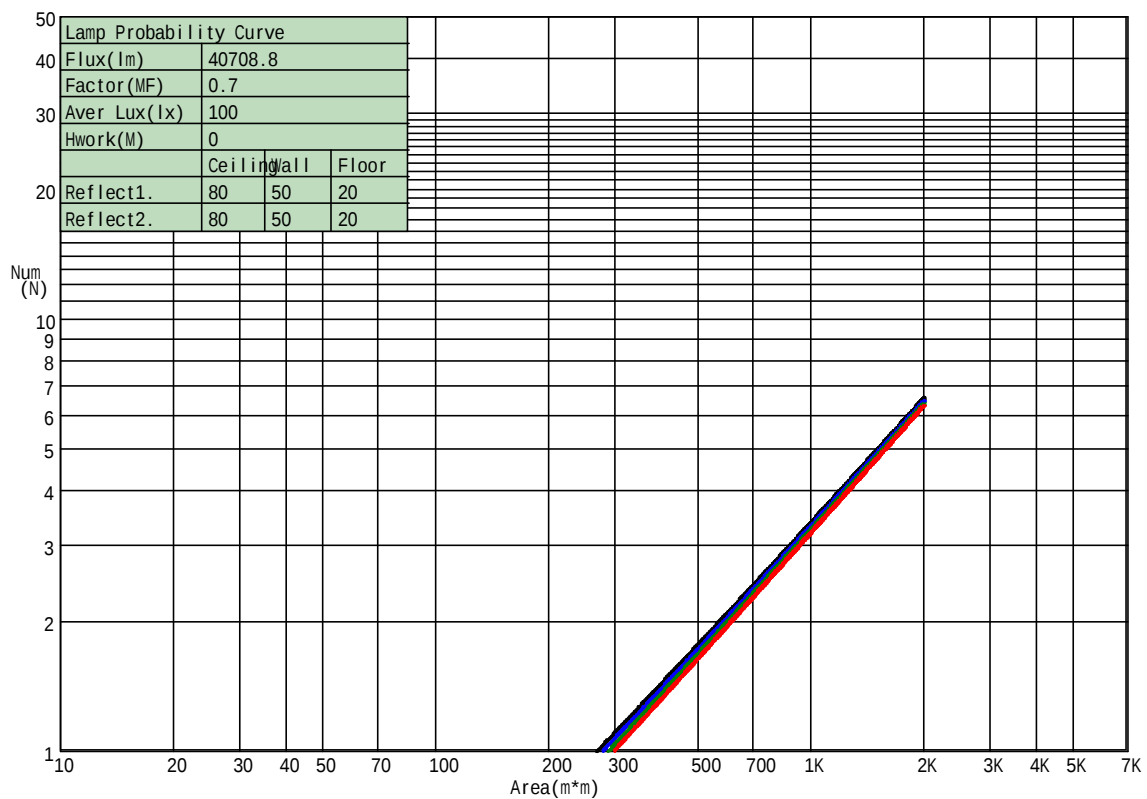
Humidity(%): 60

Date: 2023-10-

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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: 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: 2023-10-23

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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	48	32	23	47	32	22	43	30	22
0.80	53	35	24	50	34	23	46	32	22
1.00	56	38	25	53	36	24	48	34	23
1.25	59	40	26	56	38	25	50	35	23
1.50	61	41	26	58	40	26	51	36	24
2.00	64	44	28	60	42	27	53	38	25
2.50	66	45	28	62	43	27	54	38	25
3.00	67	47	29	63	44	28	55	39	25
4.00	69	48	30	65	45	28	56	40	25
5.00	70	50	31	66	46	29	57	40	26

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	1.08	1.04	1.01	1.05	1.02	1	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91
2	0.97	0.92	0.88	0.96	0.91	0.87	0.92	0.88	0.85	0.89	0.86	0.83	0.86	0.84	0.81
3	0.89	0.82	0.77	0.87	0.81	0.77	0.85	0.8	0.75	0.82	0.78	0.74	0.8	0.76	0.73
4	0.81	0.75	0.69	0.8	0.74	0.69	0.78	0.72	0.68	0.76	0.71	0.67	0.74	0.7	0.66
5	0.75	0.68	0.63	0.74	0.67	0.62	0.72	0.66	0.62	0.7	0.65	0.61	0.69	0.64	0.61
6	0.7	0.62	0.57	0.69	0.62	0.57	0.67	0.61	0.57	0.66	0.6	0.56	0.64	0.59	0.56
7	0.65	0.58	0.53	0.64	0.57	0.52	0.63	0.57	0.52	0.61	0.56	0.52	0.6	0.55	0.52
8	0.61	0.54	0.49	0.6	0.53	0.49	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.48
9	0.57	0.5	0.45	0.56	0.5	0.45	0.55	0.49	0.45	0.54	0.49	0.45	0.53	0.48	0.45
10	0.53	0.47	0.42	0.53	0.47	0.42	0.52	0.46	0.42	0.51	0.46	0.42	0.5	0.45	0.42

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

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: 2023-10-23

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.11	0.04
2	0.22	0.12	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.03	0.19	0.11	0.03
3	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03
4	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03	0.17	0.09	0.03
5	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03	0.16	0.08	0.03
6	0.17	0.09	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
7	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02	0.14	0.07	0.02
8	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02
9	0.14	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.07	0.02
10	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	0.06	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	0.16	0.13	0.11	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	0.15	0.11	0.08	0.13	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.14	0.1	0.07	0.12	0.09	0.06	0.08	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	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
6	0.13	0.08	0.05	0.11	0.07	0.04	0.08	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.12	0.07	0.04	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.12	0.07	0.03	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.11	0.06	0.03	0.09	0.05	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.1	0.06	0.03	0.09	0.05	0.02	0.06	0.03	0.02	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): 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: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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	37719	39353	39421	39436	38391	35747	36441	35768	0-5	917	917
10	34480	37667	37372	37537	35468	31490	32333	31495	5-10	2590	3507
15	29969	34211	33549	33849	30967	26497	27449	26549	10-15	3853	7360
20	24878	29312	28365	28748	25680	22800	22328	22770	15-20	4588	11948
25	21230	23900	23846	23016	22415	18894	19700	18748	20-25	4890	16839
30	17240	21205	19792	20158	17936	13732	14531	13599	25-30	4882	21720
35	12110	16382	14720	15156	12831	8813	9732	8950	30-35	4335	26055
40	7542	12221	9848	10245	7851	5360	6169	5650	35-40	3368	29423
45	4686	7428	5805	6070	4571	3825	4242	4034	40-45	2383	31806
50	3623	4520	3806	3971	3390	3358	3516	3497	45-50	1728	33535
55	3265	3497	3142	3320	2995	3111	3173	3246	50-55	1491	35026
60	2919	3133	2714	2984	2642	2777	2778	2902	55-60	1405	36431
65	2414	2795	2269	2611	2128	2341	2267	2444	60-65	1283	37714
70	1783	2402	1758	2163	1579	1811	1695	1912	65-70	1085	38799
75	1238	1907	1268	1639	1113	1151	1163	1223	70-75	845	39644
80	763	1275	798	1036	668	639	690	679	75-80	573	40216
85	423	732	438	575	356	260	356	270	80-85	331	40547
90	241	316	299	237	159	164	163	158	85-90	161	40709
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: 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: 2023-10-23

Remark:

Measured Para U: 214.9V I: 1852.9mA P: 393.80W PF: 0.989 Test LM: 40708.80lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPFL-400X01	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	38k	38k	39k	39k	39k	39k	39k	39k	39k	38k	37k	36k	36k	36k	36k	36k	36k	37k
10.0	34k	36k	37k	38k	37k	37k	37k	37k	36k	35k	34k	32k	32k	32k	32k	32k	32k	33k
15.0	30k	32k	34k	34k	34k	34k	34k	34k	32k	31k	29k	27k	27k	27k	27k	27k	27k	28k
20.0	25k	27k	29k	29k	29k	28k	29k	28k	27k	26k	24k	23k	23k	22k	22k	23k	23k	24k
25.0	21k	22k	24k	24k	24k	24k	23k	23k	23k	22k	21k	19k	19k	20k	19k	19k	19k	20k
30.0	17k	19k	21k	21k	20k	20k	20k	20k	19k	18k	16k	14k	14k	14k	14k	14k	14k	16k
35.0	12k	14k	16k	16k	15k	15k	15k	15k	14k	13k	11k	9252	9115	9531	9561	9206	9295	11k
40.0	7542	9589	12k	11k	10k	9935	10k	9983	8898	7851	6761	5633	5626	5992	6056	5820	5857	6714
45.0	4686	5886	7128	6896	6160	5863	5983	5906	5227	4571	4245	3906	3962	4151	4197	4102	4105	4401
50.0	3623	4015	4421	4286	3962	3842	3917	3907	3644	3390	3376	3361	3410	3481	3512	3503	3511	3568
55.0	3265	3367	3472	3381	3220	3181	3262	3285	3137	2995	3046	3098	3131	3159	3189	3222	3248	3257
60.0	2919	3013	3110	2996	2806	2773	2895	2946	2791	2642	2701	2763	2778	2778	2805	2861	2904	2911
65.0	2414	2581	2753	2622	2384	2344	2499	2559	2339	2128	2221	2317	2316	2283	2306	2386	2441	2427
70.0	1783	2054	2334	2191	1899	1847	2031	2099	1835	1579	1681	1786	1773	1720	1742	1841	1898	1839
75.0	1238	1531	1834	1697	1408	1349	1517	1582	1343	1113	1130	1147	1155	1160	1176	1203	1225	1231
80.0	763	987	1219	1119	903	850	958	996	829	668	656	642	656	679	688	683	688	726
85.0	423	558	698	636	502	468	530	552	452	356	314	271	292	335	337	298	286	356
90.0	241	274	308	310	303	286	258	229	193	159	161	163	164	163	162	160	167	205
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
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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): 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: