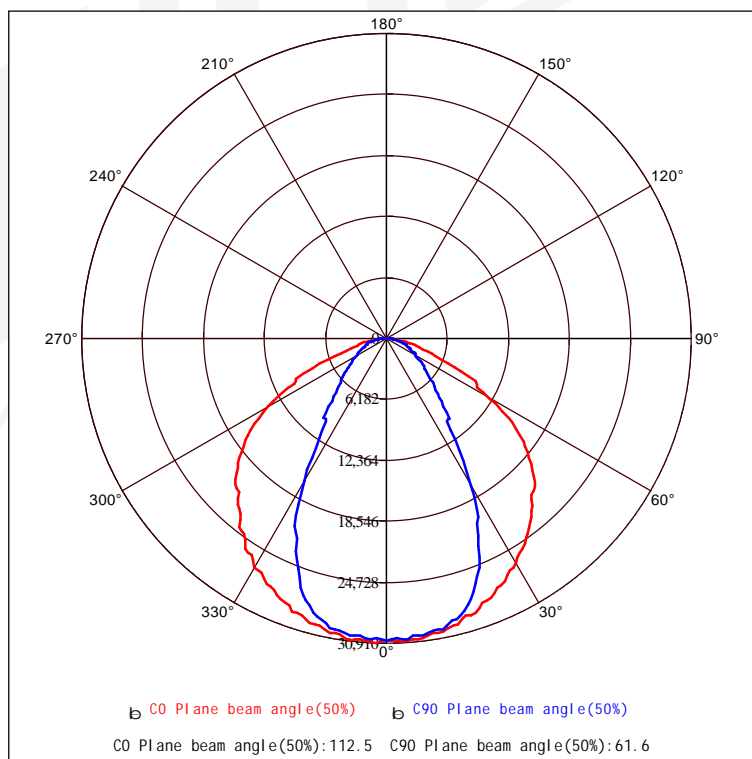


LED FLOOD LIGHT

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm						
Lamp Name: LED FLOOD LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPFL-600M01		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m <sup>2</sup> ):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPFL-600M01		Peak Value(cd)	32023.1	Efficiency(lm/w)	104.35
Nominal P(w)	1.0		Position	180.0, 2.0	UP(C0-C180)	0.0
Rated Volt(v)	220.0		Total Flux(lm)	62085.12	Down(C0-C180)	50.2
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)	49.8

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

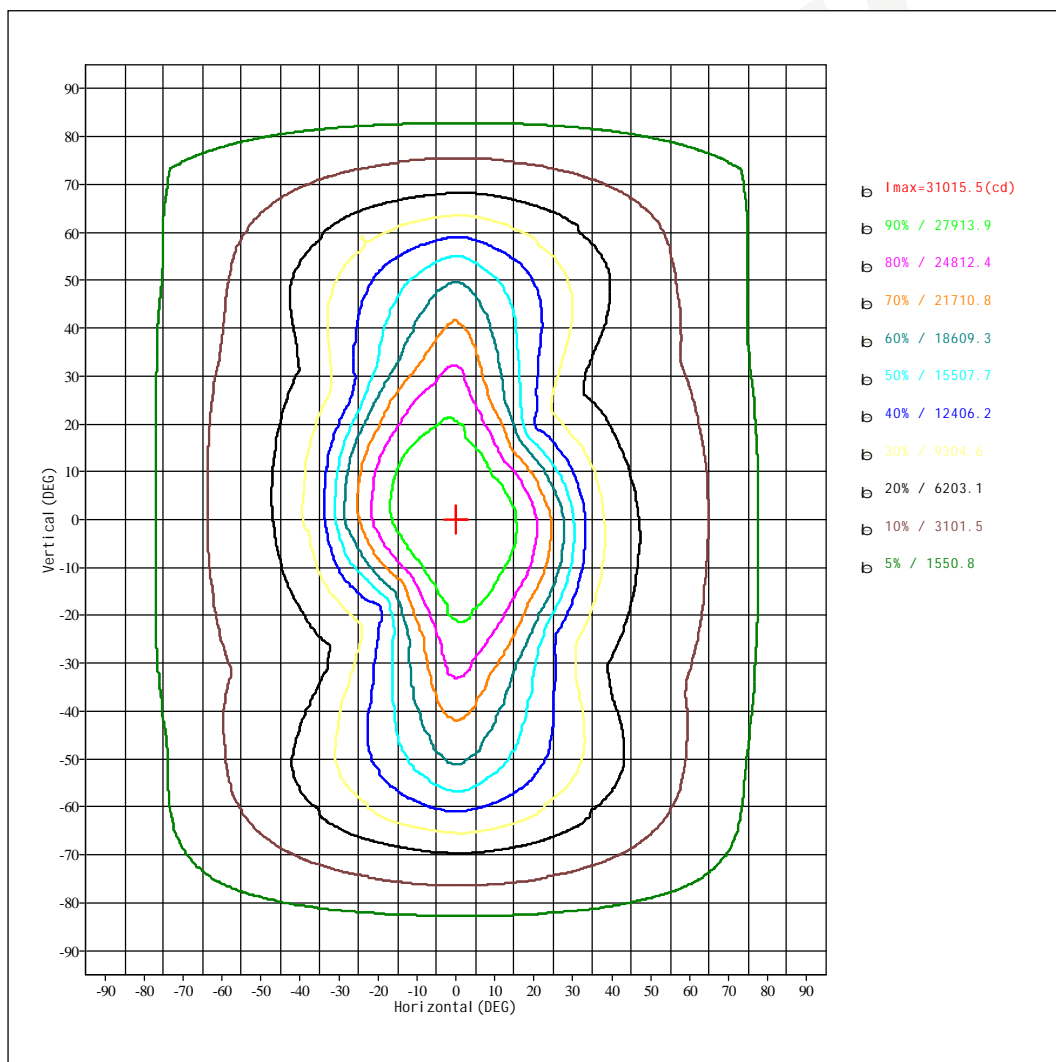
Humidity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	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: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

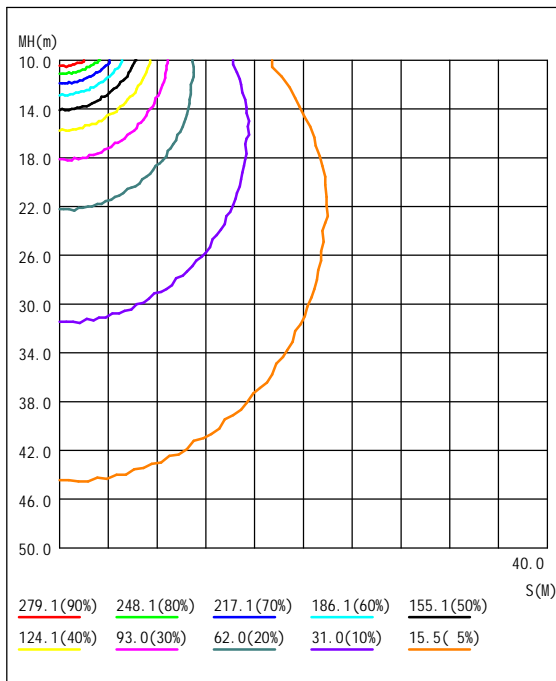
Humi di ty(%): 60

Date: 2023-10-23

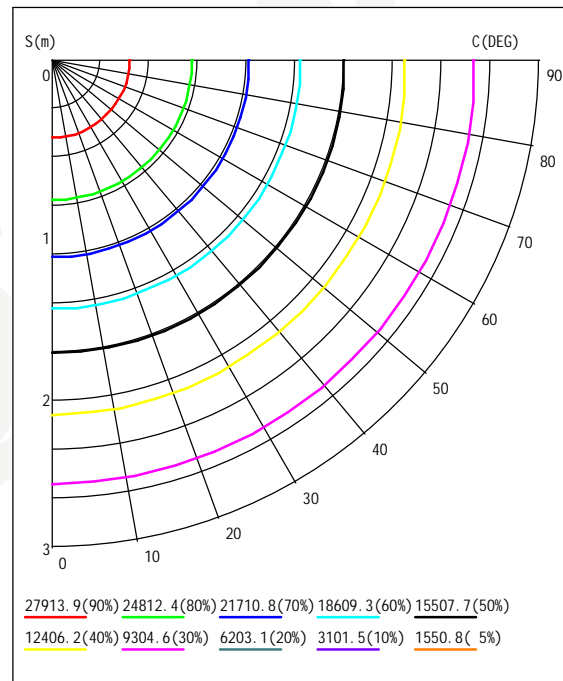
Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	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): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

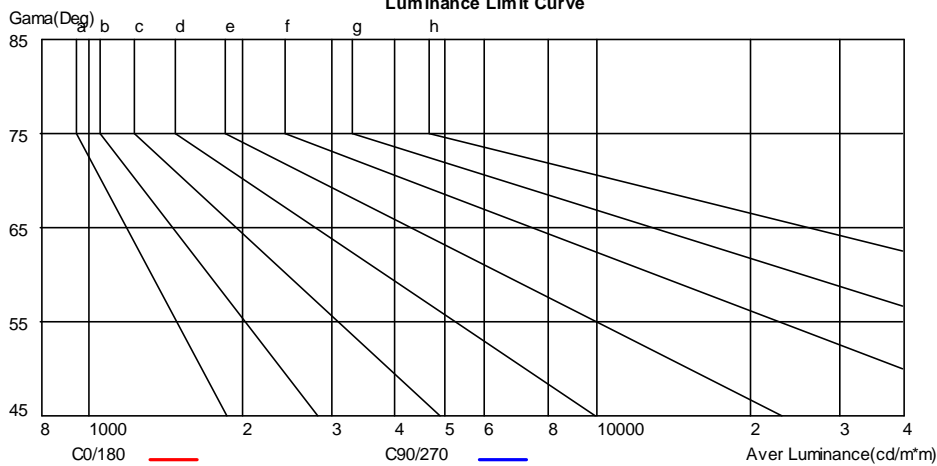
Aver Luminance(cd/m²)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	2104627.7	1861962.0	1562399.5	1177247.4	874063.0	502738.1	300393.8	169769.2	69849.9
C90	666682.1	523332.4	420047.1	339558.9	265455.8	217882.2	154705.8	90020.8	49902.9

Glare

Glare	Class	Illuminance(lx)							
		a	b	c	d	e	f	g	h
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

Luminance Limit Curve



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

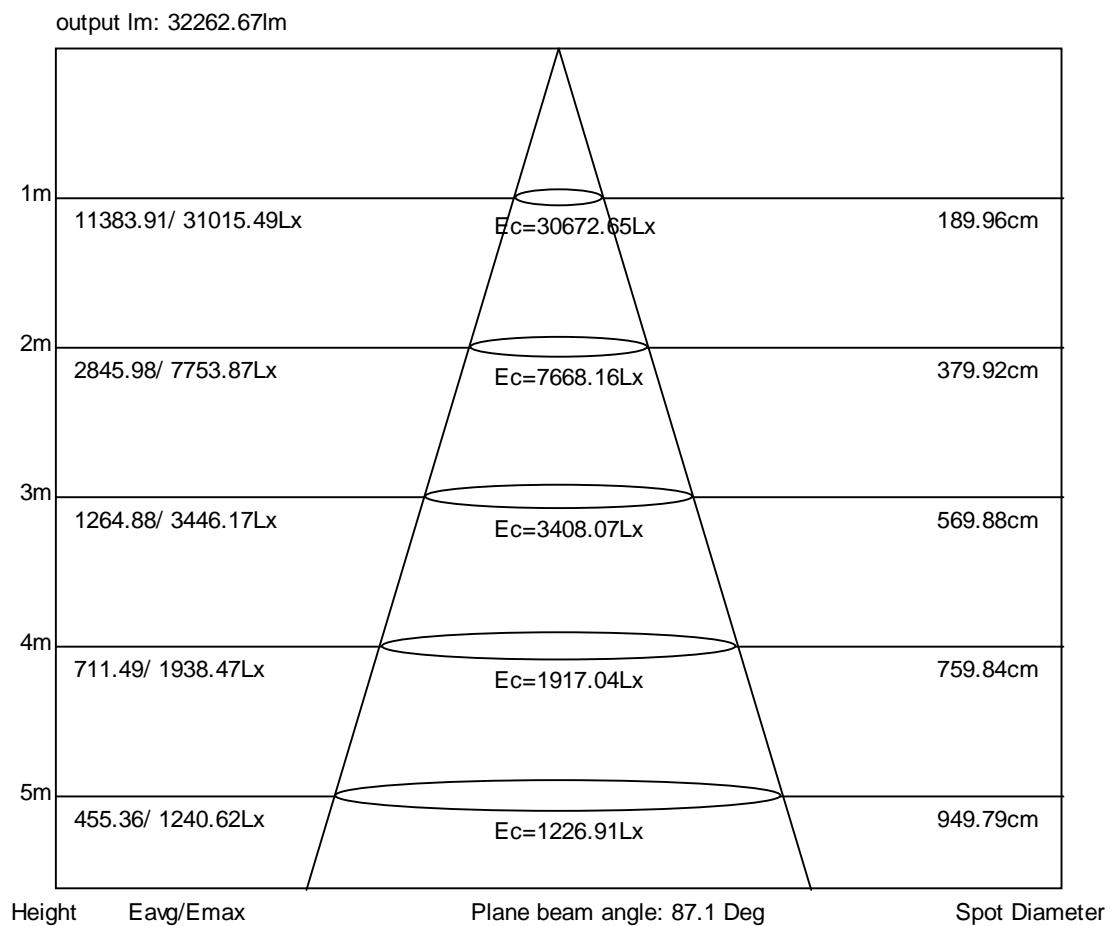
Humi di ty(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

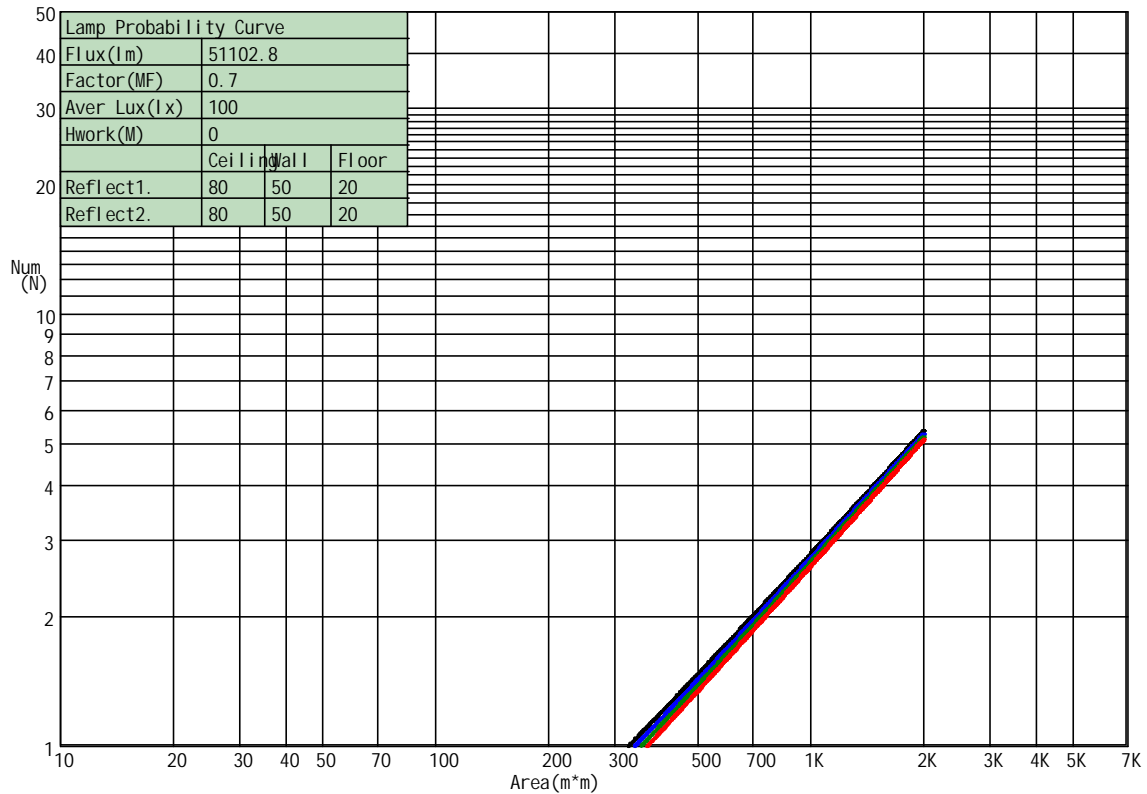
Humi di ty(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	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

Humi di ty(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	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	63	50	42	61	49	42	59	48	41
0.80	66	52	42	64	51	42	60	49	41
1.00	68	53	43	66	52	42	61	49	41
1.25	70	54	42	67	52	41	62	49	40
1.50	71	54	41	68	52	40	62	49	39
2.00	72	55	41	69	53	40	62	49	37
2.50	72	54	39	69	52	38	61	47	35
3.00	73	54	38	69	51	37	61	47	34
4.00	73	54	37	69	51	36	61	46	32
5.00	74	54	37	69	51	35	60	45	31

CoEfficients Utilization

Ceiling(%)		0			0			0			0			0	
Wall (%)	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	0.89
2	0.94	0.88	0.83	0.92	0.87	0.82	0.89	0.84	0.8	0.86	0.82	0.79	0.83	0.8	0.77
3	0.84	0.77	0.71	0.83	0.76	0.71	0.8	0.74	0.7	0.77	0.73	0.68	0.75	0.71	0.67
4	0.76	0.68	0.62	0.75	0.68	0.62	0.72	0.66	0.61	0.7	0.65	0.6	0.68	0.63	0.6
5	0.69	0.61	0.55	0.68	0.61	0.55	0.66	0.59	0.54	0.64	0.58	0.54	0.62	0.57	0.53
6	0.63	0.55	0.49	0.62	0.55	0.49	0.61	0.54	0.49	0.59	0.53	0.48	0.57	0.52	0.48
7	0.58	0.5	0.45	0.57	0.5	0.44	0.56	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44
8	0.54	0.46	0.41	0.53	0.46	0.4	0.52	0.45	0.4	0.51	0.44	0.4	0.49	0.44	0.4
9	0.5	0.42	0.37	0.49	0.42	0.37	0.48	0.42	0.37	0.47	0.41	0.37	0.46	0.41	0.37
10	0.46	0.39	0.34	0.46	0.39	0.34	0.45	0.39	0.34	0.44	0.38	0.34	0.43	0.38	0.34

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

Humi dity(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.12lm		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exi tance 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	0.25	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	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	0.2	0.11	0.04
4	0.22	0.11	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03
5	0.21	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
6	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03
7	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.02	0.16	0.08	0.02	0.16	0.08	0.02
8	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
9	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
10	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02

Ceiling Cavi ty Exi tance 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	0.08	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.13	0.08	0.04	0.12	0.07	0.04	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
7	0.13	0.07	0.04	0.11	0.06	0.03	0.08	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	0.12	0.06	0.03	0.1	0.05	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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxc

Date: 2023-10-23

Distance(m): 7.070

Remark:

Test System: ZWL Goni ophotometer System V3.0



Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.121m		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
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	30787	30568	30325	30641	30398	30612	30140	30247	0-5	731	731
10	30242	30218	29960	29537	30641	29824	30145	29216	5-10	2163	2893
15	29231	29357	28992	26118	29688	28467	28433	26858	10-15	3469	6362
20	28530	27436	26128	20560	28749	25914	25316	21338	15-20	4448	10811
25	27597	23969	21494	13732	27762	21615	21644	15648	20-25	4952	15762
30	26182	19422	16558	10289	26415	16888	16159	11203	25-30	4966	20728
35	24553	13402	10878	7701	24713	11719	10917	7785	30-35	4647	25375
40	22632	10211	8655	6045	22904	9200	8724	6141	35-40	4274	29650
45	21046	7507	6667	4895	21411	6746	6636	4975	40-45	4009	33659
50	18620	5846	5233	4028	19441	5411	5342	4074	45-50	3729	37388
55	15624	4638	4200	3264	16956	4348	4309	3322	50-55	3384	40772
60	11772	3747	3396	2954	13475	3507	3502	2685	55-60	2941	43713
65	8741	3042	2655	2893	10349	2789	2805	2396	60-65	2420	46133
70	5027	2482	2179	2357	5956	2153	2203	2427	65-70	1911	48044
75	3004	1879	1547	1713	3201	1736	1901	1798	70-75	1334	49378
80	1698	1262	900	1033	1950	1235	1370	1301	75-80	918	50296
85	698	663	499	657	848	617	765	771	80-85	538	50835
90	407	370	369	309	245	362	387	518	85-90	268	51103
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: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-10-23

Remark:

Measured Para U: 217.1V I: 2836.99mA P: 594.97W PF: 0.966 Test LM: 62085.121m		
Lamp Name: LED FLOOD LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPFL-600M01	Lamp Spec:	Shape Si ze:
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	31k	31k	31k	30k	30k	30k	31k	31k	31k	30k	30k	31k	30k	30k	30k	30k	30k	31k
10.0	30k	30k	30k	30k	30k	30k	30k	30k	30k	31k	30k	30k	30k	30k	30k	30k	29k	30k
15.0	29k	29k	29k	29k	29k	28k	27k	27k	28k	30k	29k	29k	28k	28k	28k	27k	27k	28k
20.0	29k	28k	28k	27k	26k	25k	22k	21k	25k	29k	28k	26k	26k	25k	24k	23k	22k	25k
25.0	28k	26k	24k	23k	22k	20k	16k	15k	22k	28k	25k	22k	22k	22k	20k	18k	17k	22k
30.0	26k	23k	20k	18k	17k	15k	12k	12k	19k	26k	22k	18k	17k	16k	15k	13k	13k	20k
35.0	25k	20k	15k	13k	11k	10k	8743	9562	17k	25k	19k	13k	11k	11k	10k	8812	9619	17k
40.0	23k	17k	12k	9700	8995	8084	6901	7889	16k	23k	17k	11k	9043	8828	8159	6989	7945	15k
45.0	21k	15k	8988	7231	6851	6279	5477	6702	14k	21k	15k	8350	6710	6660	6273	5520	6733	14k
50.0	19k	13k	7243	5645	5367	4970	4423	5714	13k	19k	13k	6946	5389	5357	5064	4490	5665	12k
55.0	16k	11k	5839	4494	4296	3996	3571	4762	11k	17k	11k	5727	4335	4318	4093	3646	4667	10k
60.0	12k	8261	4625	3632	3472	3299	3099	4105	8872	13k	9114	4597	3505	3503	3323	2953	3679	7797
65.0	8741	6248	3665	2915	2739	2707	2815	3708	7087	10k	7042	3616	2794	2802	2716	2530	3090	5965
70.0	5027	3914	2760	2382	2245	2218	2299	2751	4382	5956	4292	2569	2169	2192	2252	2354	2712	3890
75.0	3004	2512	2002	1770	1620	1583	1659	1876	2550	3201	2560	1896	1790	1865	1879	1832	1930	2477
80.0	1698	1507	1309	1143	979	929	989	1133	1549	1950	1637	1313	1279	1341	1355	1324	1344	1524
85.0	698	683	667	609	535	534	605	678	765	848	747	642	665	732	766	769	763	730
90.0	407	391	374	370	369	356	329	302	273	245	297	350	370	381	415	475	505	455
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxg

Date: 2023-10-23

Distance(m): 7.070

Remark:

Test System: ZWL Goniophotometer System V3.0