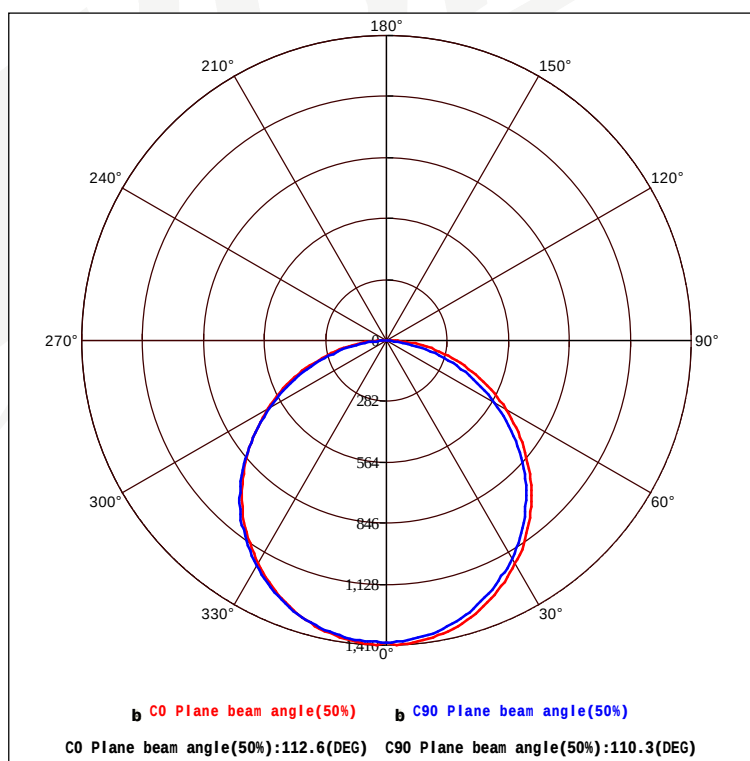


LED LOUVER LIGHT

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm					
Lamp Name: LP-LF60A60 50W			Lamp Type:		Weight(kg):
Lamp ID:			Lamp Spec: LP-LF60A60 50W		Shape Size:
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):
Light Source Data			Photometric Data		
Model	LP-LF60A60 50W		Peak Value(cd)	1409.7	Efficiency(lm/w) 83.5
Nominal P(w)		1.0	Position	0.0,0.0	UP(C0-C180) 0.0
Rated Volt(v)		1.0	Total Flux(lm)	3949.276	Down(C0-C180) 50.5
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) 49.5

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

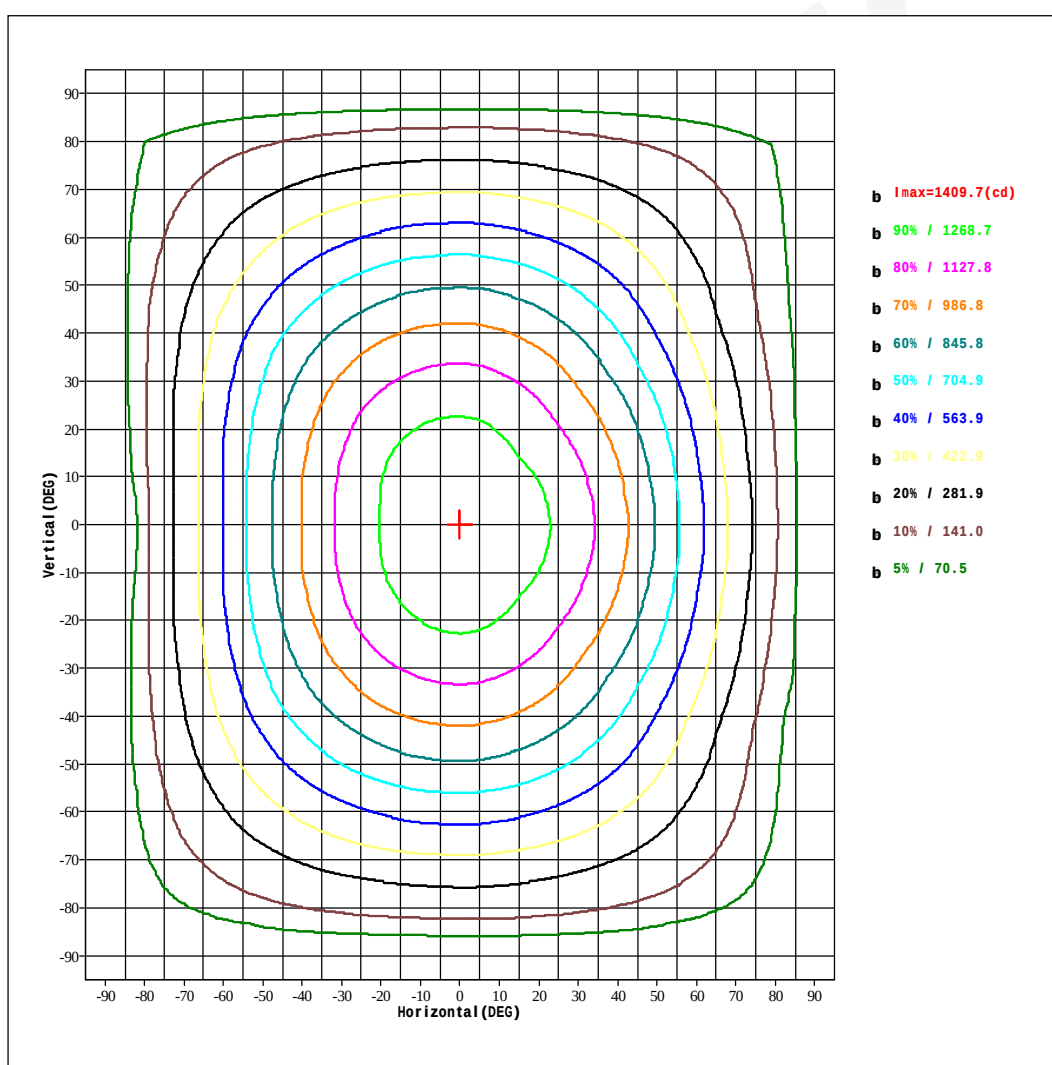
Humidity(%): 60

Date: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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

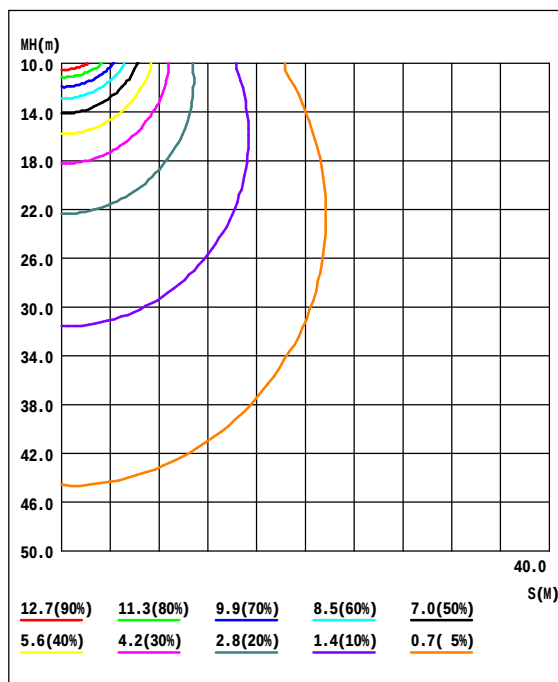
Humidity(%): 60

Date: 2021-7-10

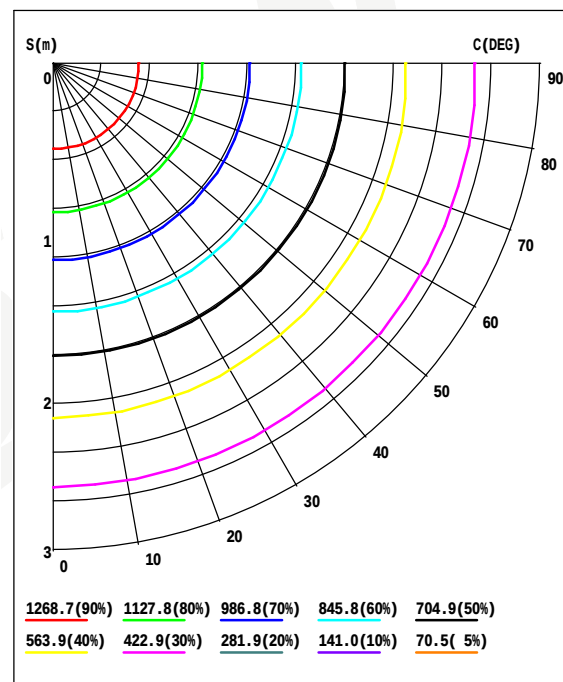
Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-7-10

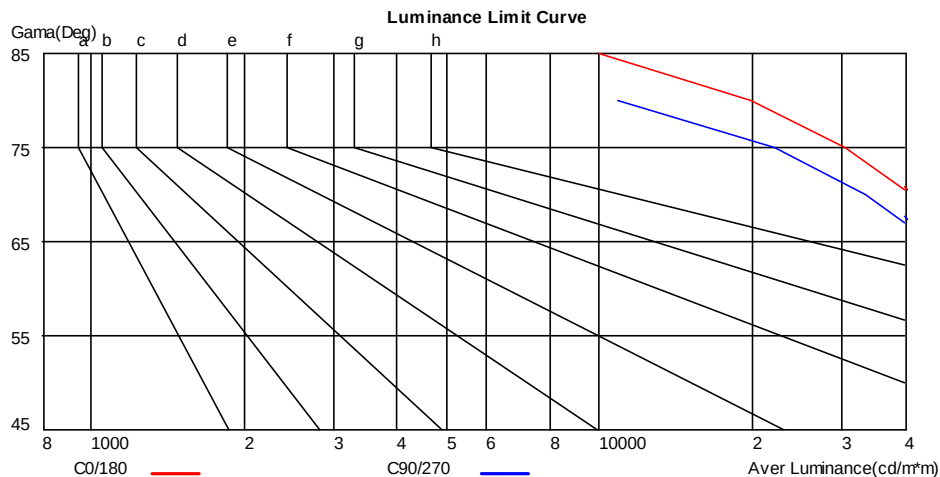
Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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	93492.3	83816.5	73441.8	63005.0	52072.0	41418.3	30499.8	19984.3	9980.5
C90	89869.5	79215.8	68018.3	56641.8	45124.5	33593.0	22133.3	10885.0	706.3

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: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

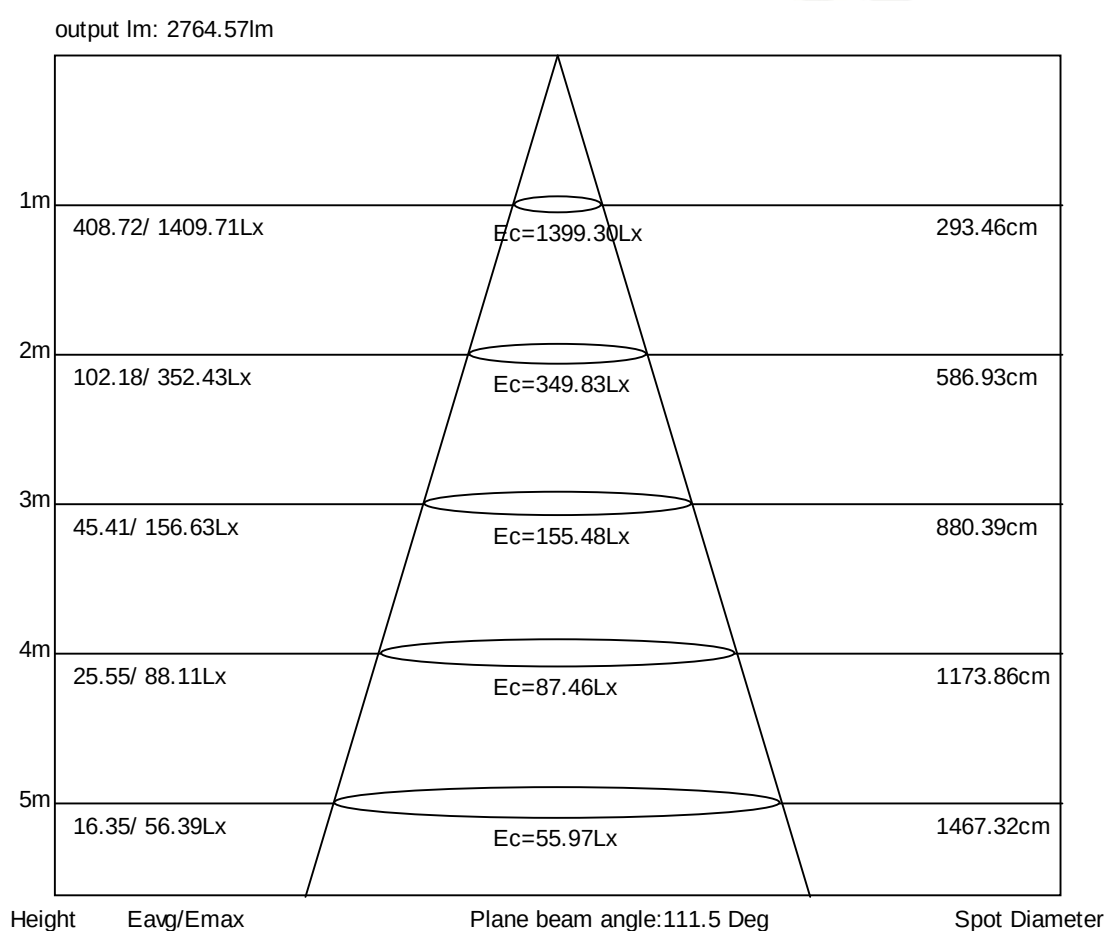
Humidity(%): 60

Date: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

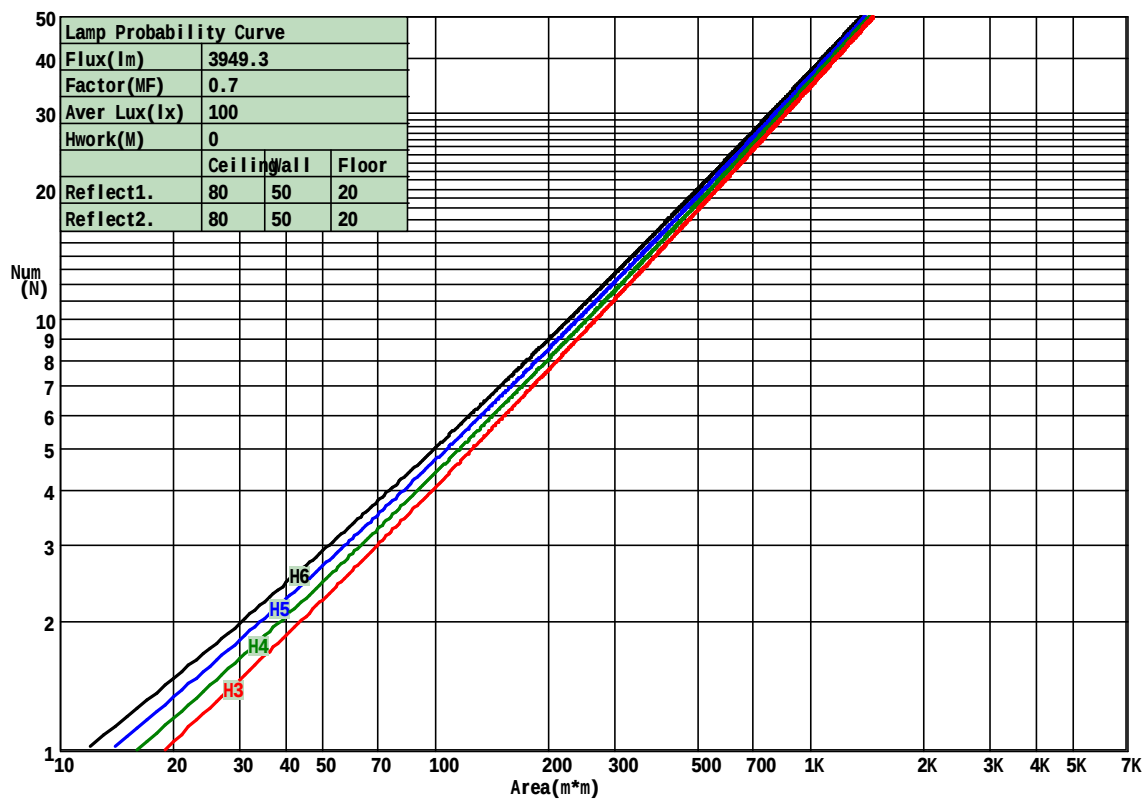
Humidity(%): 60

Date: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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	53	38	29	51	37	29	48	36	28
0.80	57	41	30	55	40	30	51	38	29
1.00	61	43	32	58	42	31	53	40	30
1.25	63	46	32	60	44	32	55	41	30
1.50	65	47	33	62	45	32	56	42	30
2.00	68	49	34	64	47	33	58	43	31
2.50	70	50	34	65	48	33	58	43	30
3.00	71	51	34	66	48	33	58	43	30
4.00	72	52	35	67	49	33	59	44	30
5.00	73	53	35	68	50	33	59	44	30

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	1.04	1	0.96	1.02	0.98	0.94	0.97	0.94	0.91	0.93	0.91	0.88	0.9	0.88	0.86
2	0.91	0.84	0.78	0.89	0.82	0.77	0.85	0.8	0.75	0.82	0.77	0.73	0.79	0.75	0.72
3	0.79	0.71	0.65	0.78	0.7	0.64	0.75	0.68	0.63	0.72	0.67	0.62	0.7	0.65	0.61
4	0.7	0.62	0.55	0.69	0.61	0.54	0.66	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.52
5	0.63	0.54	0.47	0.62	0.53	0.47	0.6	0.52	0.46	0.58	0.51	0.46	0.56	0.5	0.45
6	0.57	0.48	0.41	0.56	0.47	0.41	0.54	0.46	0.41	0.52	0.45	0.4	0.5	0.45	0.4
7	0.51	0.42	0.36	0.5	0.42	0.36	0.49	0.41	0.36	0.47	0.41	0.36	0.46	0.4	0.35
8	0.47	0.38	0.32	0.46	0.38	0.32	0.45	0.37	0.32	0.43	0.37	0.32	0.42	0.36	0.32
9	0.43	0.35	0.29	0.42	0.34	0.29	0.41	0.34	0.29	0.4	0.33	0.29	0.39	0.33	0.29
10	0.4	0.32	0.26	0.39	0.31	0.26	0.38	0.31	0.26	0.37	0.31	0.26	0.36	0.3	0.26

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: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm															
Lamp Name: LP-LF60A60 50W								Lamp Type:				Weight(kg):			
Lamp ID:								Lamp Spec: LP-LF60A60 50W				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	0.31	0.18	0.06	0.3	0.17	0.05	0.29	0.17	0.05	0.28	0.16	0.05	0.27	0.15	0.05
2	0.29	0.16	0.05	0.28	0.16	0.05	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05
3	0.27	0.14	0.04	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.24	0.13	0.04
4	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.04
5	0.23	0.12	0.03	0.23	0.12	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03
6	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03
7	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.18	0.09	0.03
8	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	0.02
9	0.17	0.08	0.02	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
10	0.16	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	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	0.13	0.15	0.13	0.12	0.11	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02
2	0.17	0.13	0.1	0.15	0.11	0.08	0.1	0.08	0.06	0.06	0.05	0.03	0.02	0.01	0.01
3	0.16	0.11	0.07	0.14	0.1	0.06	0.1	0.07	0.05	0.06	0.04	0.03	0.02	0.01	0.01
4	0.16	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	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.14	0.08	0.03	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	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	0.11	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: 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: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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	1402	1396	1386	1387	1402	1390	1393	1382	0-5	33.4	33.4
10	1383	1379	1363	1369	1382	1368	1375	1359	5-10	98.9	132
15	1352	1348	1328	1338	1350	1333	1348	1325	10-15	161	293
20	1307	1305	1281	1295	1304	1286	1310	1278	15-20	217	510
25	1250	1250	1221	1240	1248	1226	1257	1219	20-25	266	776
30	1190	1184	1157	1175	1181	1163	1195	1158	25-30	305	1082
35	1112	1108	1079	1098	1105	1084	1121	1080	30-35	335	1416
40	1028	1032	993	1021	1026	995	1044	992	35-40	353	1770
45	935	942	899	929	933	898	947	896	40-45	359	2128
50	838	845	792	831	833	792	840	791	45-50	352	2481
55	734	744	680	730	729	680	727	678	50-55	333	2814
60	630	637	566	617	621	562	612	562	55-60	304	3117
65	521	524	451	502	513	444	496	445	60-65	264	3382
70	414	411	336	387	403	327	380	330	65-70	218	3599
75	305	298	221	273	295	212	266	218	70-75	166	3765
80	200	187	109	161	189	104	155	131	75-80	111	3876
85	99.8	77.2	7.06	56.7	87.4	28.8	53.2	50.1	80-85	56.5	3932
90	30.3	10.2	6.18	7.44	12.9	12.5	22.4	27.9	85-90	17	3949
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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-7-10

Remark:

Measured Para U: 216.3V I: 384.0mA P: 47.30W PF: 0.568 Test LM: 3949.28lm		
Lamp Name: LP-LF60A60 50W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LP-LF60A60 50W	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	1402	1400	1397	1393	1388	1386	1386	1388	1395	1402	1397	1391	1391	1393	1391	1386	1384	1393
10.0	1383	1381	1379	1374	1367	1364	1367	1370	1376	1382	1376	1369	1370	1374	1372	1365	1362	1373
15.0	1352	1350	1348	1341	1332	1330	1335	1339	1345	1350	1342	1335	1338	1345	1343	1332	1328	1340
20.0	1307	1306	1305	1297	1286	1284	1290	1296	1300	1304	1296	1288	1293	1304	1303	1288	1281	1294
25.0	1250	1250	1250	1240	1227	1225	1234	1241	1244	1248	1238	1228	1236	1250	1249	1232	1222	1236
30.0	1190	1187	1185	1175	1163	1161	1169	1175	1178	1181	1173	1165	1174	1188	1187	1170	1161	1176
35.0	1112	1110	1109	1099	1086	1083	1092	1099	1102	1105	1096	1086	1096	1113	1112	1094	1083	1098
40.0	1028	1030	1031	1019	1001	999	1012	1022	1024	1026	1012	998	1011	1033	1033	1009	996	1013
45.0	935	938	941	928	908	905	919	930	931	933	918	902	914	936	936	913	900	918
50.0	838	841	844	828	804	801	818	831	832	833	815	797	808	829	829	807	796	817
55.0	734	738	743	723	694	691	713	730	729	729	708	686	696	717	716	694	685	710
60.0	630	633	636	614	582	577	600	617	619	621	595	569	579	601	601	578	569	600
65.0	521	522	524	500	467	462	486	504	508	513	482	451	461	485	485	462	454	488
70.0	414	413	411	386	352	347	370	389	396	403	370	335	344	369	369	346	339	377
75.0	305	302	299	273	238	233	256	276	285	295	259	221	230	254	255	233	227	267
80.0	200	194	188	161	126	120	144	164	177	189	152	113	121	144	150	139	139	170
85.0	99.8	89.9	79.7	54.2	22.4	17.9	40.4	60.1	73.9	87.4	61.8	35.2	36.8	47.9	52.5	51.1	55.6	78.1
90.0	30.3	21.5	12.4	8.85	7.05	6.45	7.03	8.04	10.5	12.9	12.7	12.5	15.7	20.2	23.6	26.1	28.2	29.2
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: 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: 2021-7-10

Remark: