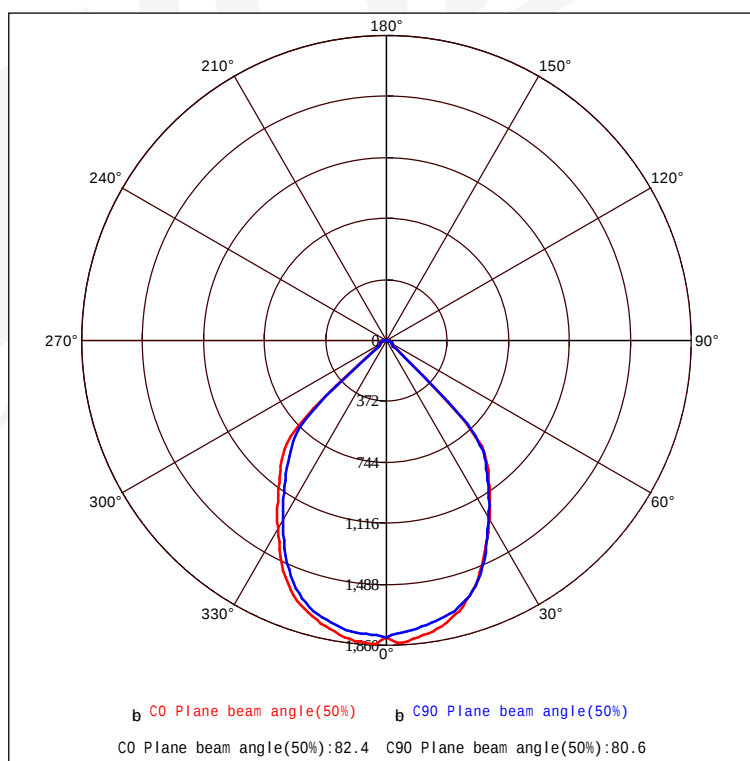


LED DOWN LIGHT

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm						
Lamp Name: LPDL-30A-Y			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPDL-30A-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPDL-30A-Y		Peak Value(cd)	1853.5	Efficiency(lm/w)	90.7
Nominal P(w)		1.0	Position	180.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	2465.989	Down(C0-C180)	51.2
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)	48.8

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

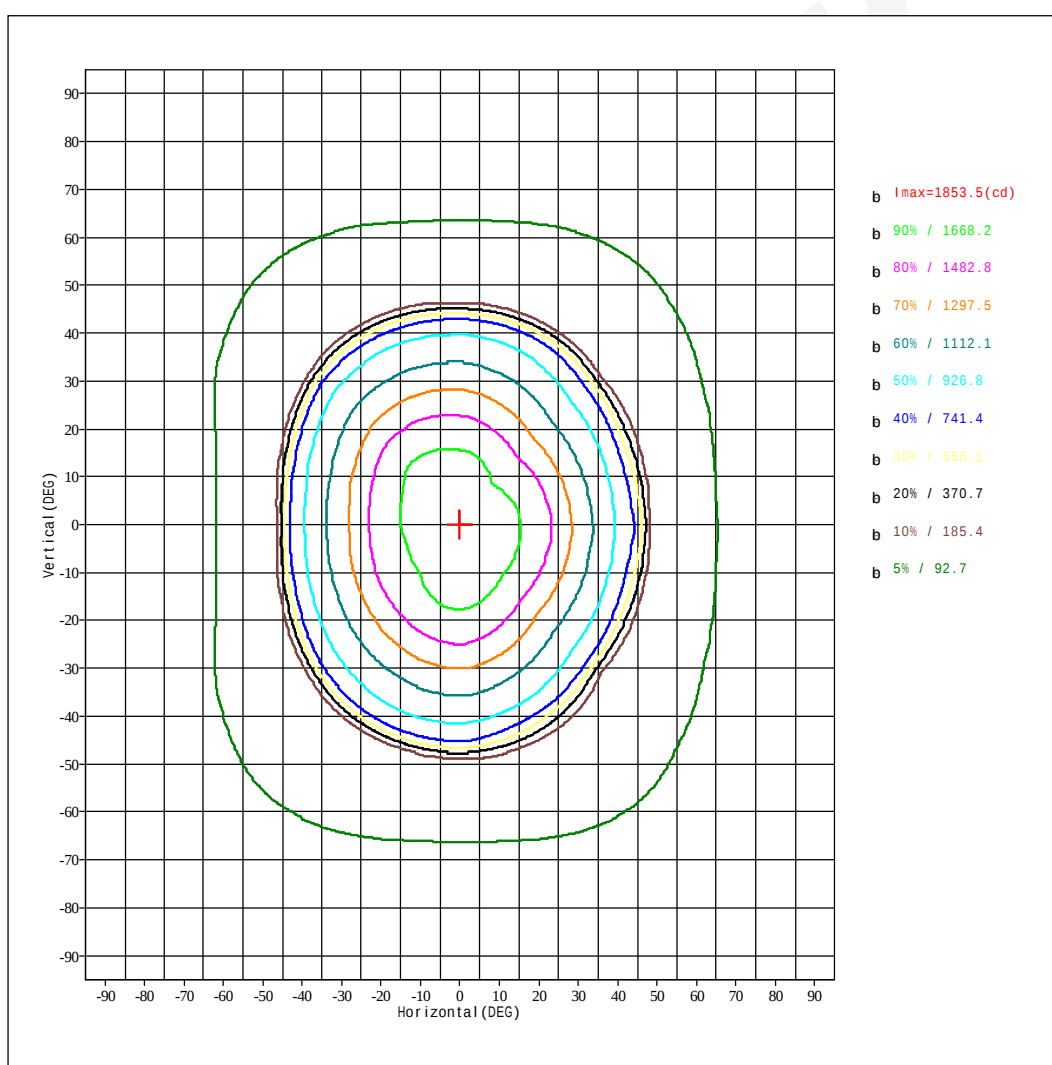
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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

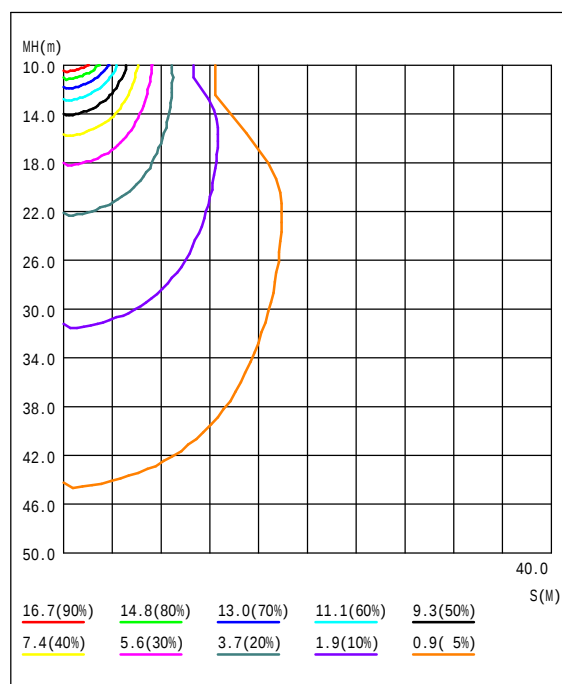
Humidity(%): 60

Date: 2022-5-18

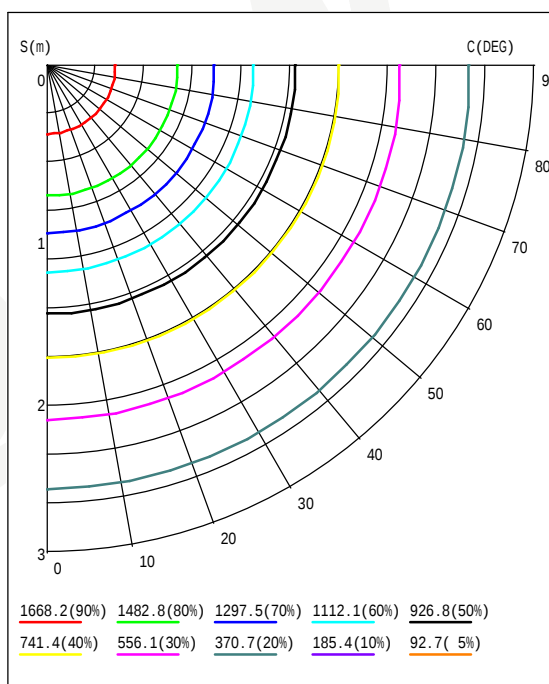
Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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: 2022-5-18

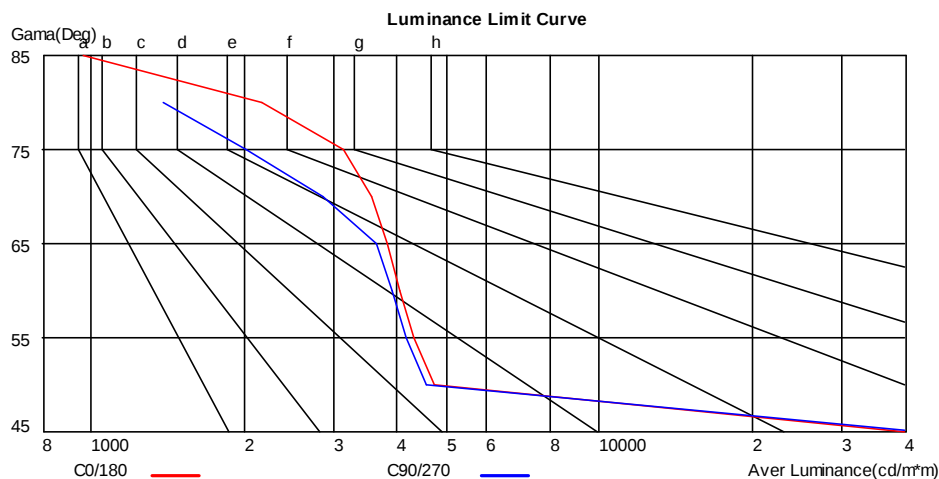
Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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	40688.5	4721.8	4306.0	4040.0	3819.3	3552.8	3128.8	2171.8	964.5
C90	43595.8	4576.0	4177.0	3905.3	3639.5	2856.0	2023.8	1378.5	612.8

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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

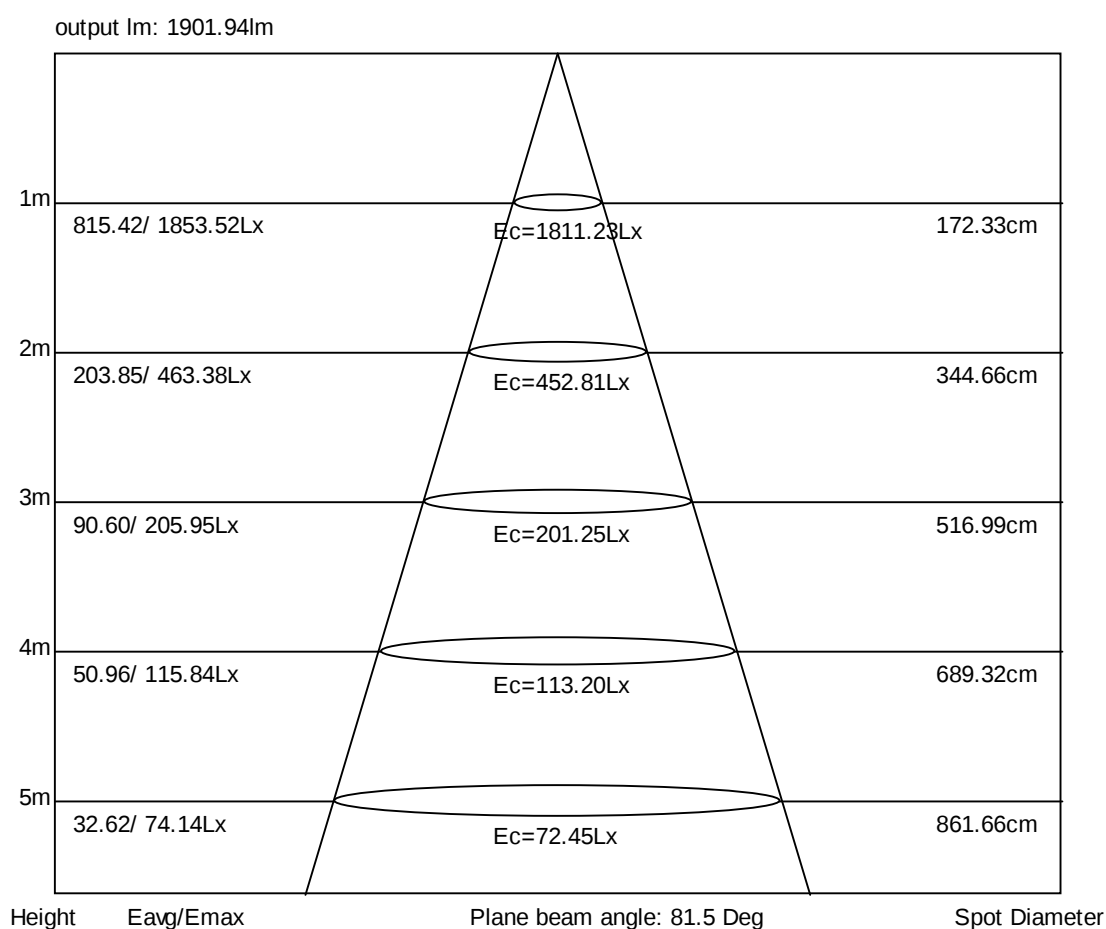
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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

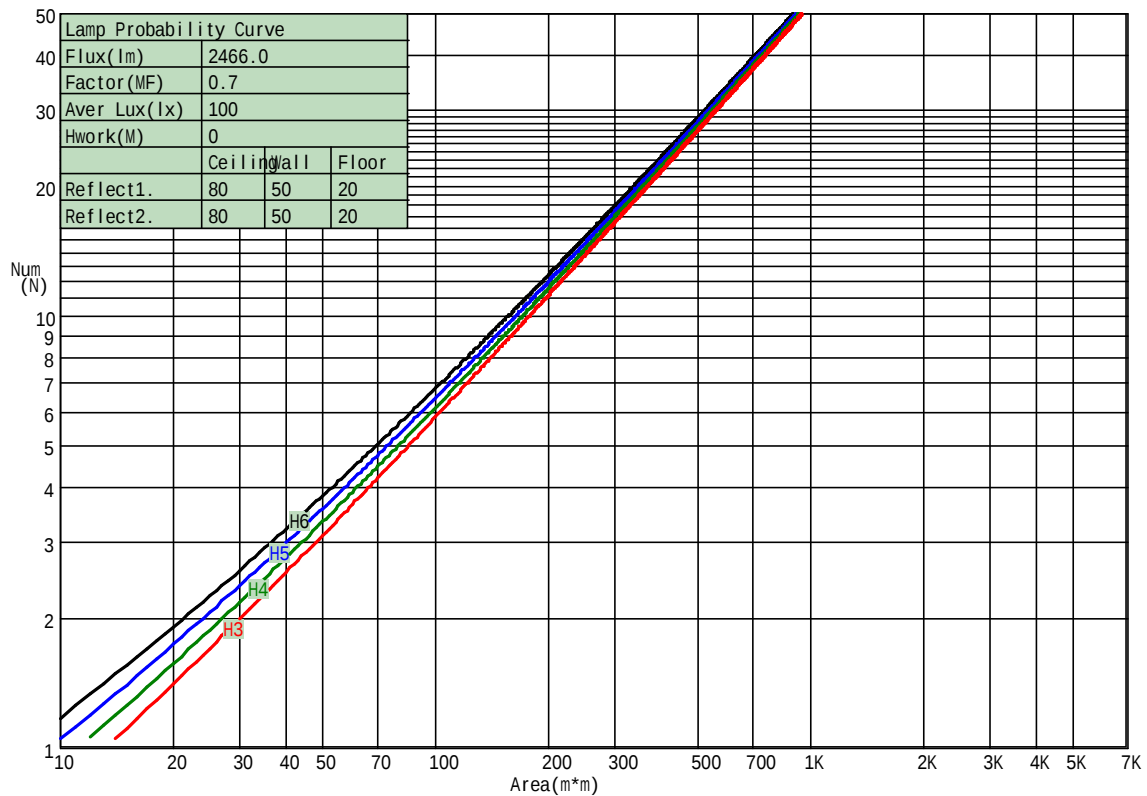
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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	62	49	41	61	48	41	58	47	40
0.80	62	47	37	60	46	37	56	44	36
1.00	63	47	35	61	45	35	56	43	34
1.25	64	46	33	61	45	33	56	42	31
1.50	65	46	32	62	45	31	56	41	30
2.00	67	48	32	63	45	31	56	41	29
2.50	68	48	32	64	46	30	56	41	28
3.00	69	49	32	65	46	31	57	41	28
4.00	71	51	33	66	48	31	58	42	28
5.00	72	52	34	68	49	32	59	43	29

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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93
2	1	0.95	0.91	0.98	0.94	0.9	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.87	0.84
3	0.92	0.86	0.81	0.9	0.85	0.81	0.88	0.83	0.79	0.85	0.81	0.78	0.83	0.8	0.77
4	0.85	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.71	0.77	0.73	0.7
5	0.78	0.71	0.66	0.77	0.71	0.66	0.75	0.7	0.65	0.73	0.69	0.65	0.72	0.68	0.64
6	0.72	0.65	0.6	0.71	0.65	0.6	0.7	0.64	0.6	0.68	0.63	0.59	0.67	0.62	0.59
7	0.67	0.6	0.55	0.66	0.6	0.55	0.65	0.59	0.55	0.64	0.58	0.54	0.62	0.58	0.54
8	0.62	0.55	0.51	0.62	0.55	0.51	0.6	0.55	0.5	0.59	0.54	0.5	0.58	0.54	0.5
9	0.58	0.51	0.47	0.58	0.51	0.47	0.57	0.51	0.47	0.56	0.5	0.46	0.55	0.5	0.46
10	0.54	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.51	0.46	0.43

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: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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	0.21	0.12	0.04	0.2	0.12	0.04	0.19	0.11	0.03	0.18	0.1	0.03	0.17	0.1	0.03
2	0.2	0.11	0.03	0.19	0.11	0.03	0.18	0.1	0.03	0.17	0.1	0.03	0.16	0.09	0.03
3	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03	0.16	0.09	0.03
4	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03	0.15	0.08	0.03
5	0.17	0.09	0.03	0.17	0.09	0.03	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02
6	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
7	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.14	0.07	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	0.13	0.07	0.02	0.13	0.07	0.02	0.13	0.06	0.02
10	0.13	0.06	0.02	0.13	0.06	0.02	0.13	0.06	0.02	0.12	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	0.17	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	0.09	0.08	0.07	0.05	0.05	0.04	0.02	0.01	0.01
3	0.15	0.11	0.09	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	0.13	0.09	0.06	0.11	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	0.07	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	0.11	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	0.06	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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	1828	1809	1771	1763	1845	1805	1794	1757	0-5	43.1	43.1
10	1781	1776	1734	1725	1800	1757	1762	1706	5-10	127	170
15	1698	1732	1681	1676	1737	1681	1700	1624	10-15	204	375
20	1574	1644	1579	1593	1643	1547	1596	1490	15-20	270	645
25	1404	1485	1410	1442	1486	1359	1431	1315	20-25	315	960
30	1237	1297	1228	1256	1309	1179	1242	1149	25-30	335	1294
35	1080	1124	1068	1084	1137	1012	1068	994	30-35	339	1634
40	935	974	919	939	985	859	910	852	35-40	332	1965
45	407	736	436	707	800	264	727	273	40-45	290	2255
50	47.2	54.2	45.8	52.8	73.5	45.8	64.2	44.6	45-50	90.4	2345
55	43.1	43.4	41.8	42.2	44.8	42.1	43.5	40.9	50-55	19.8	2365
60	40.4	40.3	39.1	39.1	41.6	39.9	40.5	38.8	55-60	19	2384
65	38.2	38	36.4	37	39.7	38.1	38.6	36.9	60-65	18.9	2403
70	35.5	35.6	28.6	34.6	37.7	35.7	36.8	34.5	65-70	18.5	2421
75	31.3	31.9	20.2	31	34.5	31.4	33.8	30.2	70-75	17.1	2438
80	21.7	24.3	13.8	23.8	28.5	20.9	28.4	19.9	75-80	14.5	2453
85	9.65	12.3	6.13	12.2	16.4	8.76	16.7	8.25	80-85	9.25	2462
90	3.84	3.54	3.36	3.41	4.06	4.54	5.21	4.16	85-90	3.71	2466
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: 2022-5-18

Remark:

Measured Para U: 216.8V I: 184.0mA P: 27.20W PF: 0.683 Test LM: 2465.99lm		
Lamp Name: LPDL-30A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-30A-Y	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	1828	1820	1811	1796	1779	1769	1765	1772	1809	1845	1828	1810	1802	1797	1786	1769	1765	1797
10.0	1781	1779	1777	1763	1743	1732	1728	1733	1767	1800	1781	1762	1759	1761	1750	1725	1715	1748
15.0	1698	1713	1728	1715	1692	1680	1677	1682	1710	1737	1713	1687	1688	1696	1684	1649	1632	1666
20.0	1574	1605	1637	1623	1593	1582	1588	1599	1621	1643	1601	1557	1563	1585	1573	1524	1499	1537
25.0	1404	1439	1476	1460	1426	1417	1431	1447	1467	1486	1430	1373	1383	1415	1406	1353	1325	1365
30.0	1237	1263	1290	1274	1243	1234	1247	1262	1286	1309	1253	1194	1200	1228	1221	1179	1158	1198
35.0	1080	1099	1119	1106	1080	1071	1079	1090	1114	1137	1082	1026	1030	1056	1052	1018	1003	1042
40.0	935	952	970	956	931	923	932	944	965	985	930	873	876	899	897	871	862	899
45.0	407	551	700	637	502	495	618	718	760	800	566	322	416	626	628	422	288	348
50.0	47.2	50.3	53.4	51.4	47.6	47.3	50.5	55	64.4	73.5	61.4	48.9	51.9	60.2	59.9	51	44.9	46.1
55.0	43.1	43.2	43.4	42.9	42.1	41.9	42	42.4	43.6	44.8	43.6	42.4	42.5	43.2	42.9	41.7	41.1	42.1
60.0	40.4	40.3	40.3	39.9	39.3	39.1	39.1	39.3	40.5	41.6	40.9	40.1	40.1	40.4	40.1	39.3	38.9	39.7
65.0	38.2	38.1	38	37.5	36.7	36.5	36.8	37.2	38.5	39.7	39	38.3	38.3	38.5	38.3	37.5	37.1	37.6
70.0	35.5	35.6	35.6	33.3	30.1	29.9	32.6	34.9	36.3	37.7	36.8	35.9	36.1	36.6	36.3	35.2	34.6	35.1
75.0	31.3	31.5	31.8	28.1	22.8	22.6	27.4	31.4	33	34.5	33.1	31.7	32.2	33.3	33	31.4	30.3	30.8
80.0	21.7	22.8	24	20.8	16.1	16	20.5	24.4	26.5	28.5	25.2	21.7	23.3	26.7	26.5	22.7	20.1	20.9
85.0	9.65	10.8	12	10.3	7.47	7.46	10.2	12.7	14.6	16.4	13.1	9.6	11.4	15	14.9	11	8.4	9.03
90.0	3.84	3.71	3.57	3.48	3.4	3.37	3.39	3.48	3.77	4.06	4.27	4.48	4.75	5.06	4.98	4.5	4.12	3.98
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: 2022-5-18

Remark: