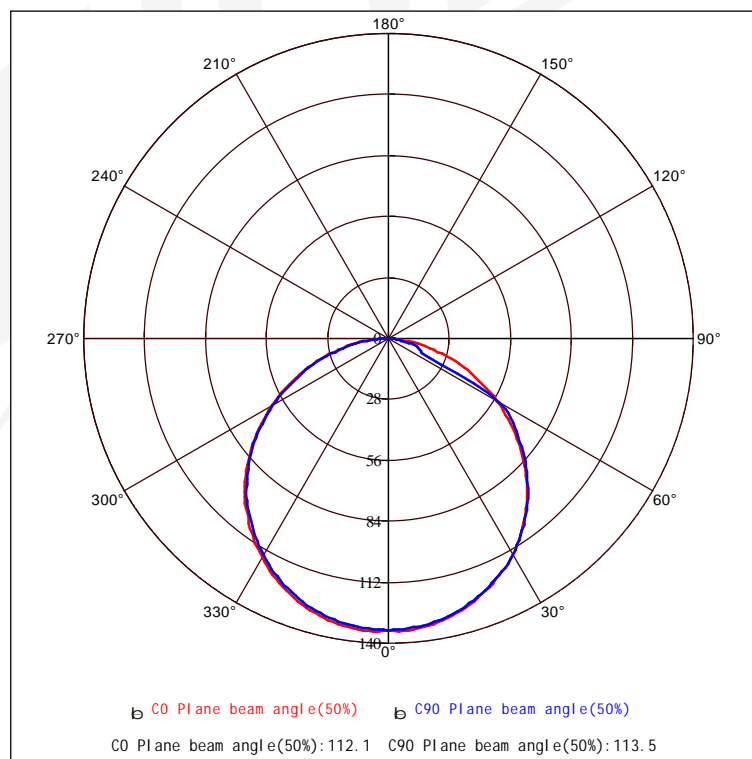


LED DOWN LIGHT

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm						
Lamp Name: LPDL-6A-Y		Lamp Type:		Weight(kg):		
Lamp ID:		Lamp Spec: LPDL-6A-Y		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-6A-Y		Peak Value(cd)	134.9	Efficiency(lm/w)	62.0
Nominal P(w)	1.0		Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)	220.0		Total Flux(lm)	377.949	Down(C0-C180)	51.0
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)	49.0

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

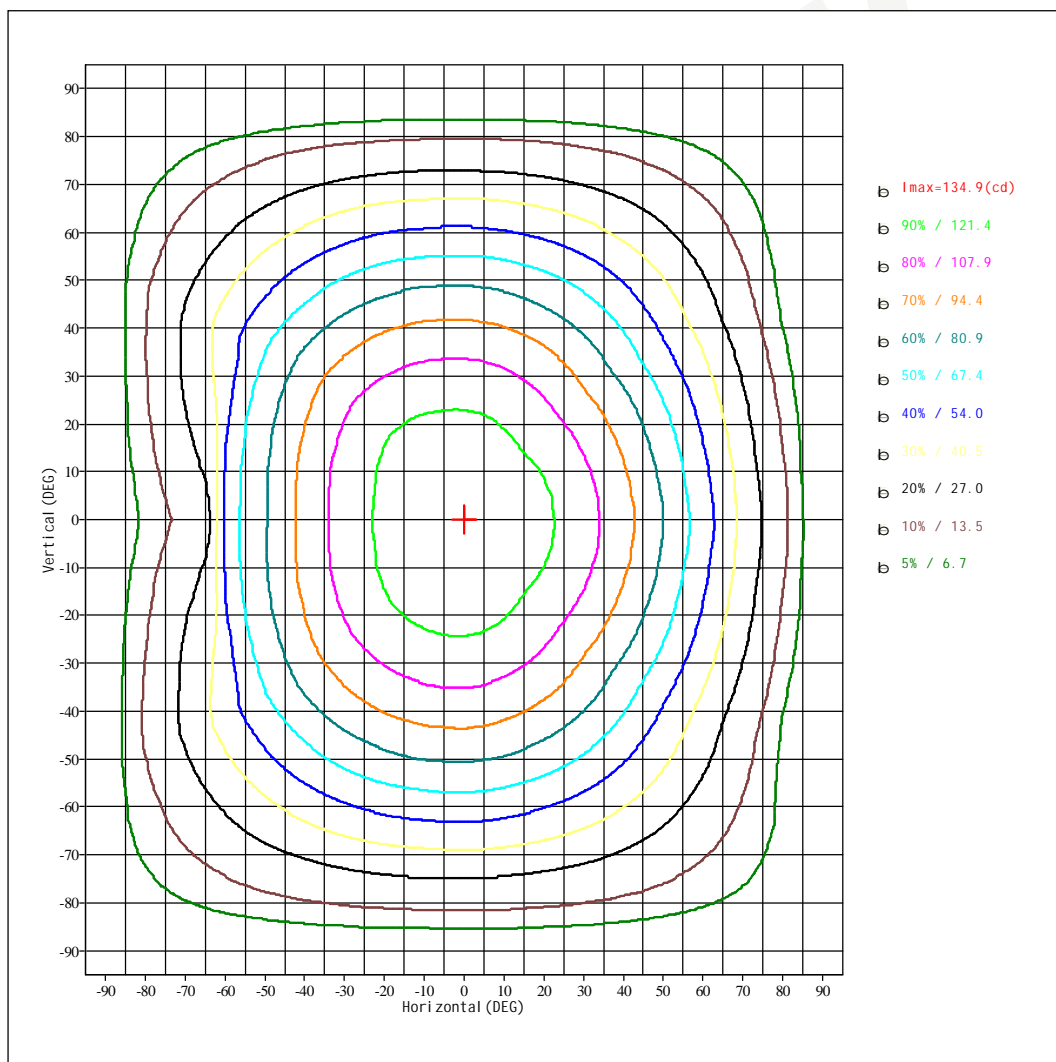
Humidity(%): 60

Date: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	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): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

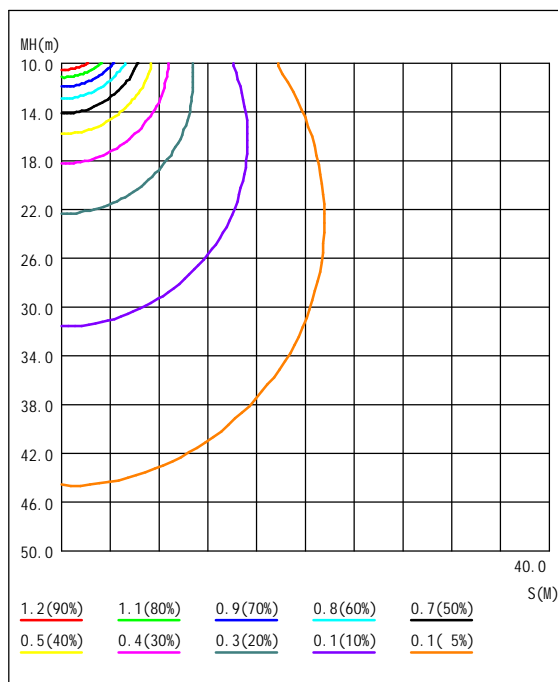
Humi di ty(%): 60

Date: 2020-6-15

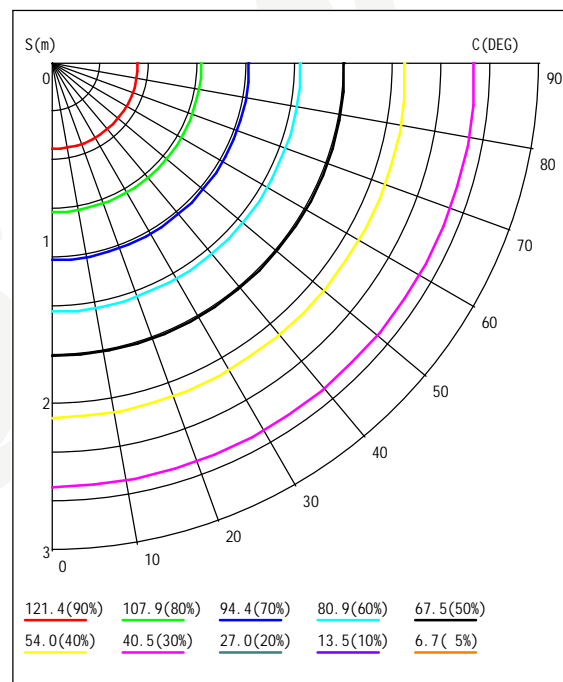
Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	Shape Si ze:
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): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

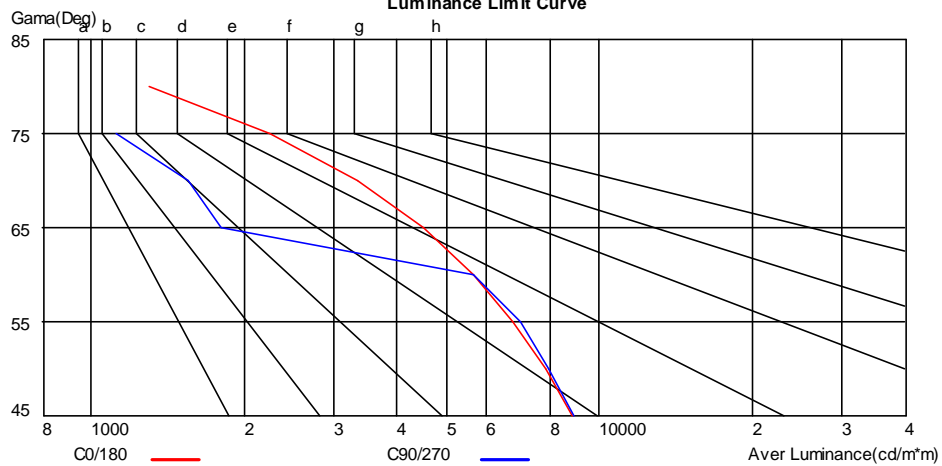
Aver Luminance(cd/m²)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	8842.3	7830.0	6764.5	5649.3	4510.0	3353.5	2244.8	1298.3	373.8
C90	8914.8	7964.5	6986.8	5669.5	1802.3	1553.3	1115.5	626.0	252.5

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): 25

Tester: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

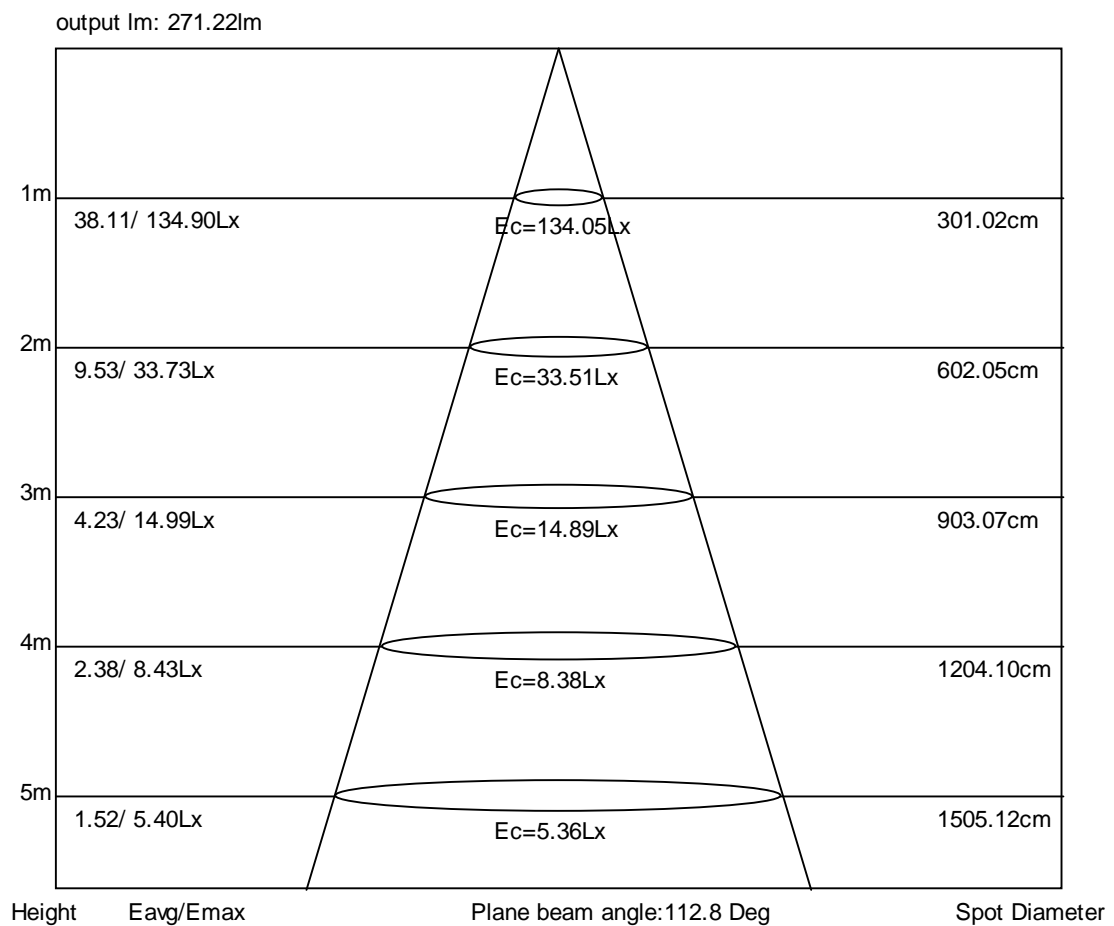
Humi di ty(%): 60

Date: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

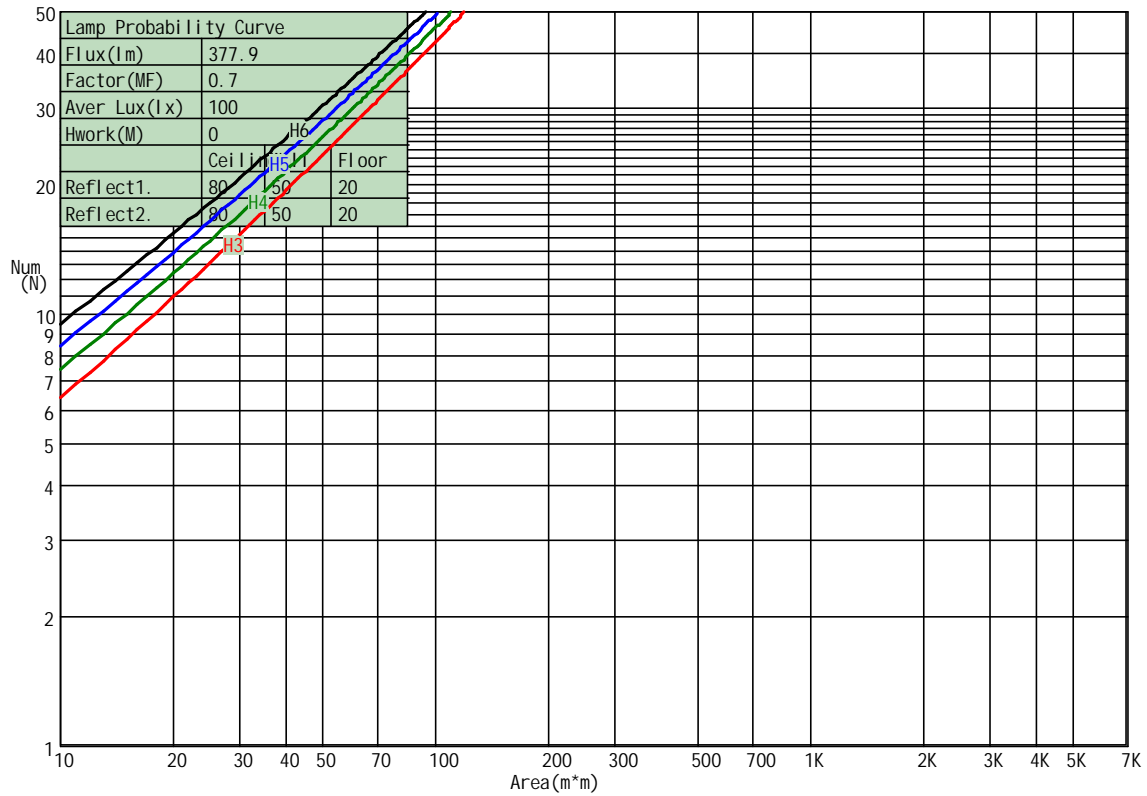
Humi di ty(%): 60

Date: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	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	53	38	29	51	37	29	48	36	28
0.80	57	41	30	55	40	30	51	38	29
1.00	60	43	31	58	42	31	53	39	29
1.25	63	45	32	60	43	31	55	41	30
1.50	65	46	32	62	45	32	56	41	30
2.00	68	49	33	64	46	32	57	42	30
2.50	69	49	33	65	47	32	57	42	29
3.00	70	50	33	66	47	32	58	42	29
4.00	71	51	33	67	48	32	58	43	29
5.00	72	52	34	67	49	32	58	43	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	1.04	1	0.96	1.02	0.98	0.95	0.98	0.94	0.92	0.94	0.91	0.89	0.9	0.88	0.86
2	0.91	0.84	0.78	0.89	0.83	0.77	0.85	0.8	0.76	0.82	0.78	0.74	0.79	0.76	0.72
3	0.8	0.72	0.65	0.78	0.71	0.65	0.75	0.69	0.63	0.73	0.67	0.62	0.7	0.65	0.61
4	0.71	0.62	0.55	0.69	0.61	0.55	0.67	0.6	0.54	0.65	0.58	0.53	0.62	0.57	0.53
5	0.63	0.54	0.48	0.62	0.54	0.47	0.6	0.52	0.47	0.58	0.51	0.46	0.56	0.5	0.46
6	0.57	0.48	0.42	0.56	0.47	0.41	0.54	0.47	0.41	0.52	0.46	0.41	0.51	0.45	0.4
7	0.52	0.43	0.37	0.51	0.42	0.37	0.49	0.42	0.36	0.48	0.41	0.36	0.46	0.4	0.36
8	0.47	0.39	0.33	0.46	0.38	0.33	0.45	0.38	0.32	0.44	0.37	0.32	0.43	0.36	0.32
9	0.43	0.35	0.29	0.43	0.35	0.29	0.41	0.34	0.29	0.4	0.34	0.29	0.39	0.33	0.29
10	0.4	0.32	0.27	0.39	0.32	0.27	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): 25

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: 2020-6-15

Remark:

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	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	0.3	0.17	0.05	0.3	0.17	0.05	0.28	0.16	0.05	0.27	0.16	0.05	0.26	0.15	0.05
2	0.29	0.16	0.05	0.28	0.15	0.05	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.04
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	0.23	0.13	0.04
4	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.22	0.12	0.04
5	0.23	0.12	0.03	0.22	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	0.19	0.1	0.03	0.19	0.1	0.03
7	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03	0.18	0.09	0.03
8	0.18	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.02	0.17	0.08	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 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	0.13	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	0.09	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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 25

Humi di ty(%): 60

Tester: zxcg

Date: 2020-6-15

Distance(m): 5.000

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.95lm		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPDL-6A-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	134	134	133	133	134	133	133	132	0-5	3.2	3.2
10	132	133	131	132	133	131	132	130	5-10	9.49	12.7
15	129	130	128	130	130	127	129	126	10-15	15.5	28.1
20	125	127	124	126	126	123	125	122	15-20	20.9	49.1
25	119	122	119	122	122	118	120	117	20-25	25.7	74.7
30	114	117	114	116	116	111	114	110	25-30	29.6	104
35	106	110	107	110	109	104	107	102	30-35	32.5	137
40	97.7	102	98.4	102	101	94.9	99.8	93.8	35-40	34.3	171
45	88.4	94.1	89.1	94.2	92.1	85.5	90.9	84.4	40-45	35	206
50	78.3	84.6	79.6	84.8	82.3	75.3	81.2	74.2	45-50	34.3	240
55	67.6	74.4	69.9	74.8	71.8	64.5	71	63.4	50-55	32.5	273
60	56.5	63.6	56.7	64.2	60.8	53.2	60.2	52.3	55-60	29.7	303
65	45.1	52.4	48	53.3	49.5	41.7	48.9	40.8	60-65	24.8	327
70	33.5	40.9	35.5	42	38.1	30.3	37.5	29.6	65-70	19.5	347
75	22.4	29.6	25.2	30.8	26.8	19.5	26.3	19	70-75	14.8	362
80	13	19	16.2	20.2	16.4	9.41	16	9.07	75-80	9.81	371
85	3.74	9.56	8.1	10.7	6.68	1.54	6.3	1.49	80-85	5.07	377
90	0.38	0.92	0.74	1.94	0.68	0.61	0.65	0.62	85-90	1.4	378
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)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 25

Humi dity(%): 60

Tester: zxcg

Date: 2020-6-15

Distance(m): 5.000

Remark:

Test System: ZWL Goniophotometer System V3.0

Measured Para U: 216.2V I: 48.0mA P: 6.10W PF: 0.588 Test LM: 377.951m		
Lamp Name: LPDL-6A-Y	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPDL-6A-Y	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	134	134	134	134	133	133	133	133	134	134	134	133	133	133	133	133	132	133
10.0	132	133	133	132	132	132	132	132	133	133	132	131	131	132	131	130	130	131
15.0	129	130	130	130	129	129	129	130	130	130	129	128	128	129	128	127	127	128
20.0	125	126	127	126	125	125	126	126	126	126	125	123	124	125	124	123	122	123
25.0	119	121	122	121	120	120	121	122	122	122	120	118	119	120	120	118	117	118
30.0	114	115	116	116	114	114	116	116	116	116	114	112	112	114	113	112	111	112
35.0	106	108	110	109	107	107	109	110	109	109	106	104	105	106	106	104	103	105
40.0	97.7	99.8	102	101	99.2	99.3	101	102	102	101	98.4	95.6	96.5	98.7	98.5	95.8	94.2	96
45.0	88.4	90.9	93.5	92.5	90.2	90.3	92.6	94	93	92.1	89.2	86.2	87.2	89.7	89.5	86.5	84.8	86.7
50.0	78.3	81	83.9	83	80.7	80.8	83.1	84.5	83.4	82.3	79.2	76	77.2	79.9	79.6	76.5	74.7	76.5
55.0	67.6	70.6	73.7	72.9	70.9	70.9	73.2	74.5	73.1	71.8	68.6	65.3	66.6	69.6	69.4	65.9	63.9	65.8
60.0	56.5	59.6	62.8	61.3	58.2	58.3	61.8	63.9	62.3	60.8	57.5	54.1	55.5	58.7	58.5	54.9	52.7	54.6
65.0	45.1	48.3	51.6	41.1	25.5	25.7	41.7	52.9	51.2	49.5	46.1	42.6	44.1	47.3	47.2	43.5	41.3	43.2
70.0	33.5	36.8	40.1	32.6	21.1	21.3	33.3	41.5	39.8	38.1	34.7	31.1	32.6	35.9	35.8	32.2	30	31.8
75.0	22.4	25.6	28.8	23.6	15.2	15.5	24.3	30.4	28.6	26.8	23.6	20.3	21.8	24.8	24.7	21.4	19.4	20.9
80.0	13	15.6	18.3	14.8	9.04	9.3	15.6	19.8	18.1	16.4	13.4	10.2	11.6	14.6	14.5	11.4	9.5	11.3
85.0	3.74	6.29	8.93	7.25	4.06	4.32	8.03	10.3	8.44	6.68	4.43	2.1	3.1	5.26	5.25	3.07	1.73	2.75
90.0	0.38	0.61	0.86	0.86	0.78	1	1.54	1.8	1.23	0.68	0.65	0.61	0.62	0.64	0.64	0.63	0.59	0.48
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): 25

Humi di ty(%): 60

Tester: zxcg

Date: 2020-6-15

Distance(m): 5.000

Remark:

Test System: ZWL Goniophotometer System V3.0