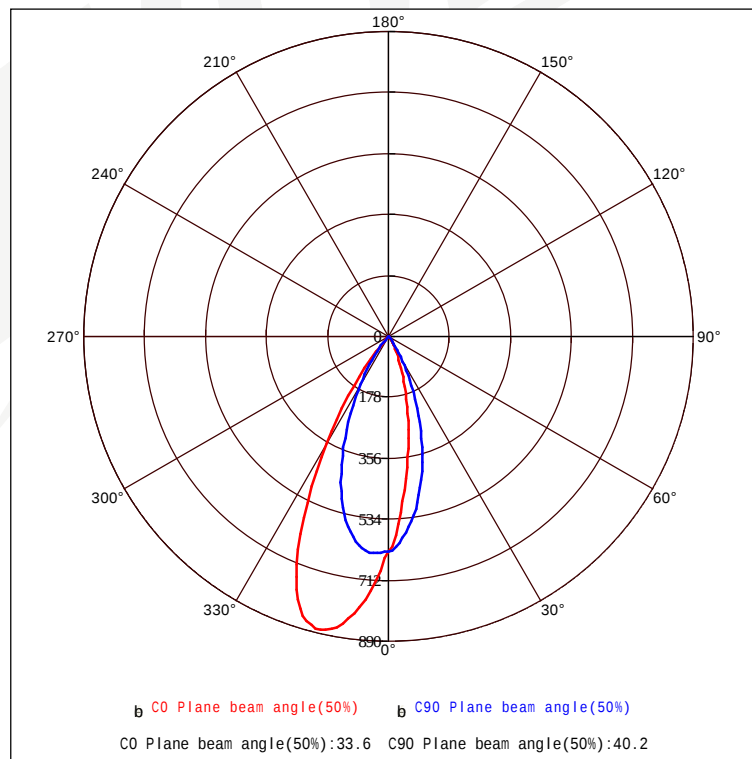


Goniophotometer Test Report

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPCL-07H01-YB			Lamp Spec: LPCL-07H01-YB		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPCL-07H01-YB		Peak Value(cd)	879.9	Efficiency(lm/w)	50.4
Nominal P(w)		300.0	Position	180.0,13.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	357.714	Down(C0-C180)	45.8
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)	54.2

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

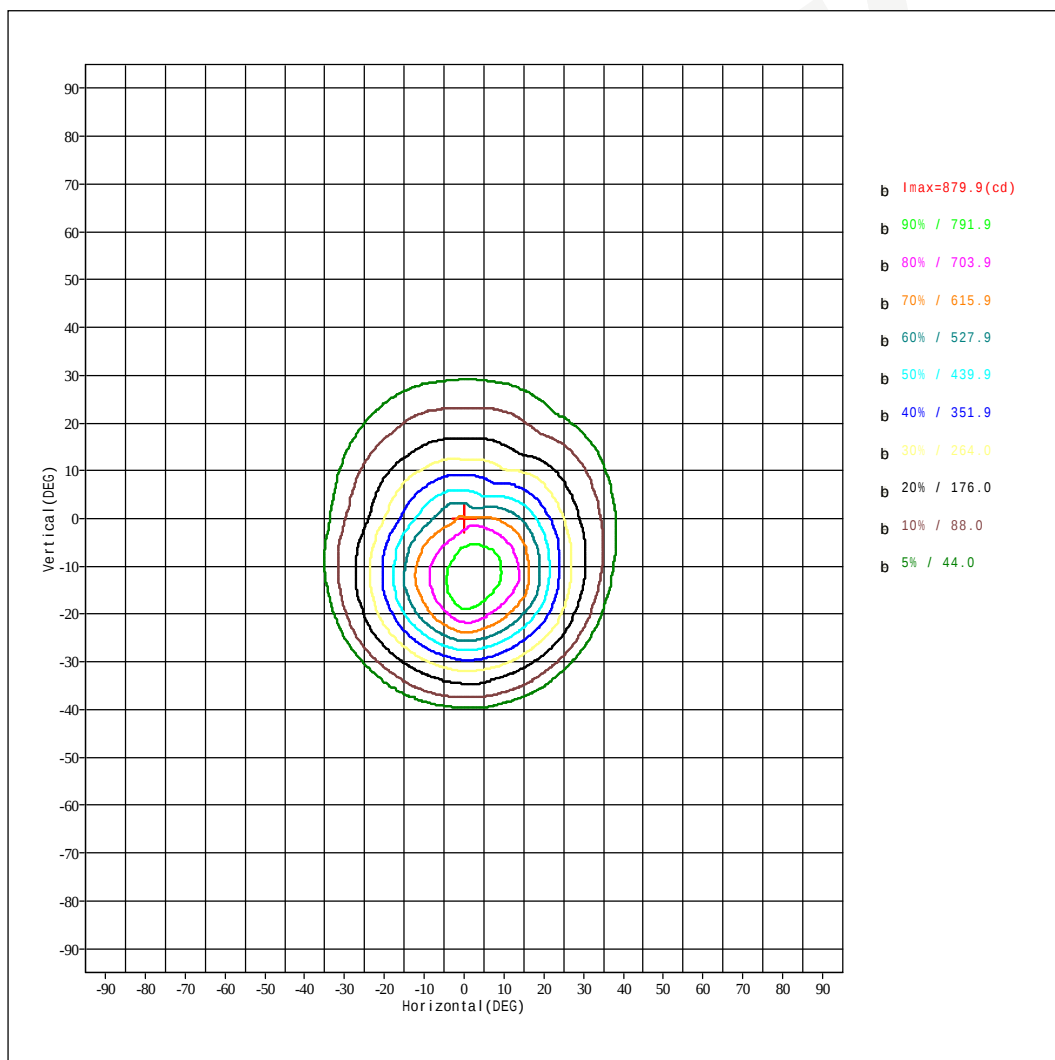
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

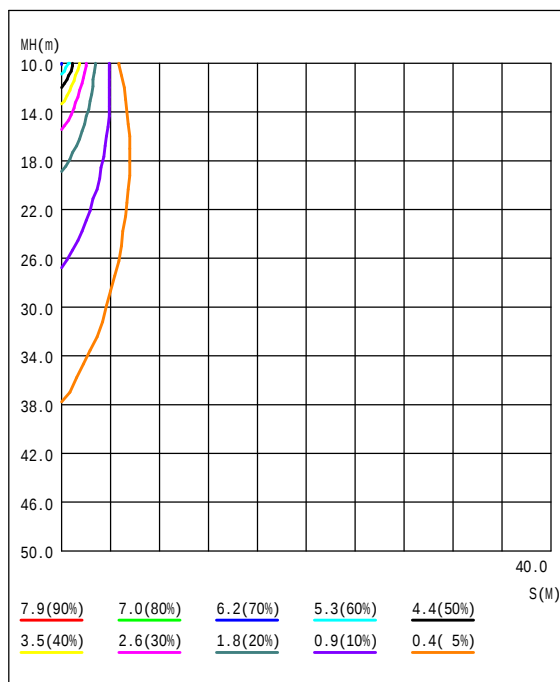
Humidity(%): 60

Date: 2026-4-7

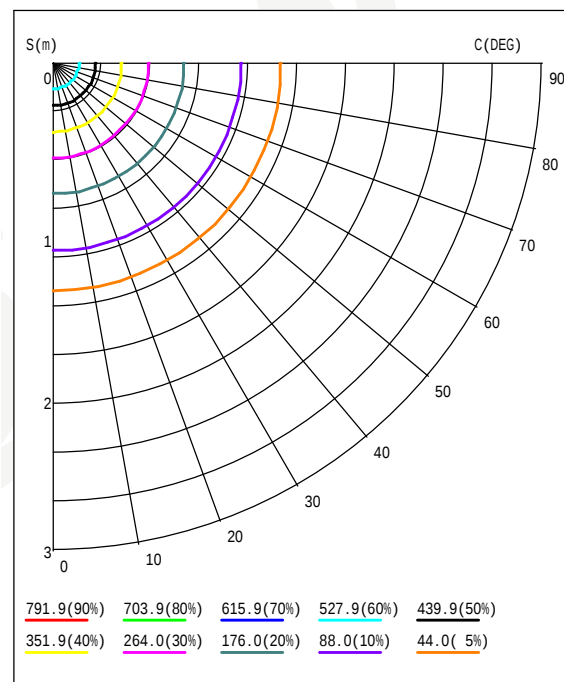
Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Spatial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

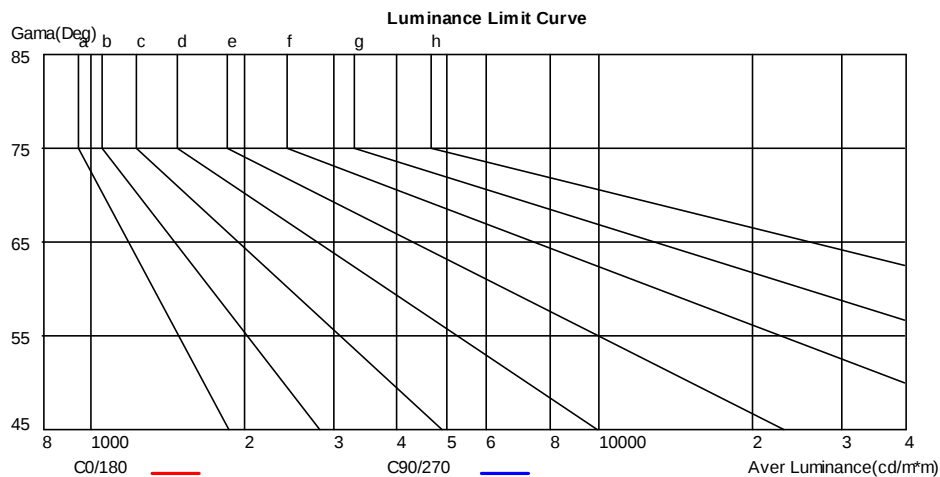
Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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	109.8	91.1	97.5	104.4	99.5	93.6	96.0	87.2	83.8
C90	99.0	67.6	77.9	82.3	82.8	99.0	102.9	102.9	100.4

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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

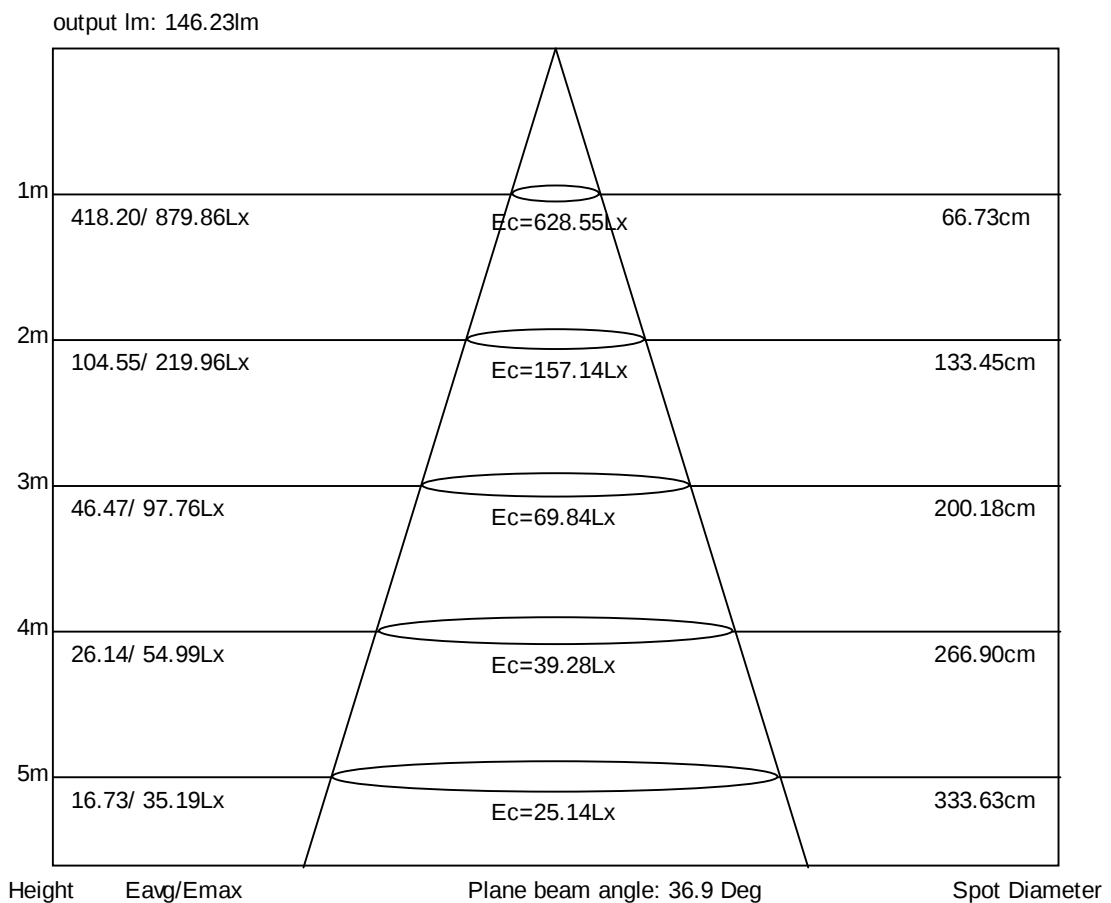
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

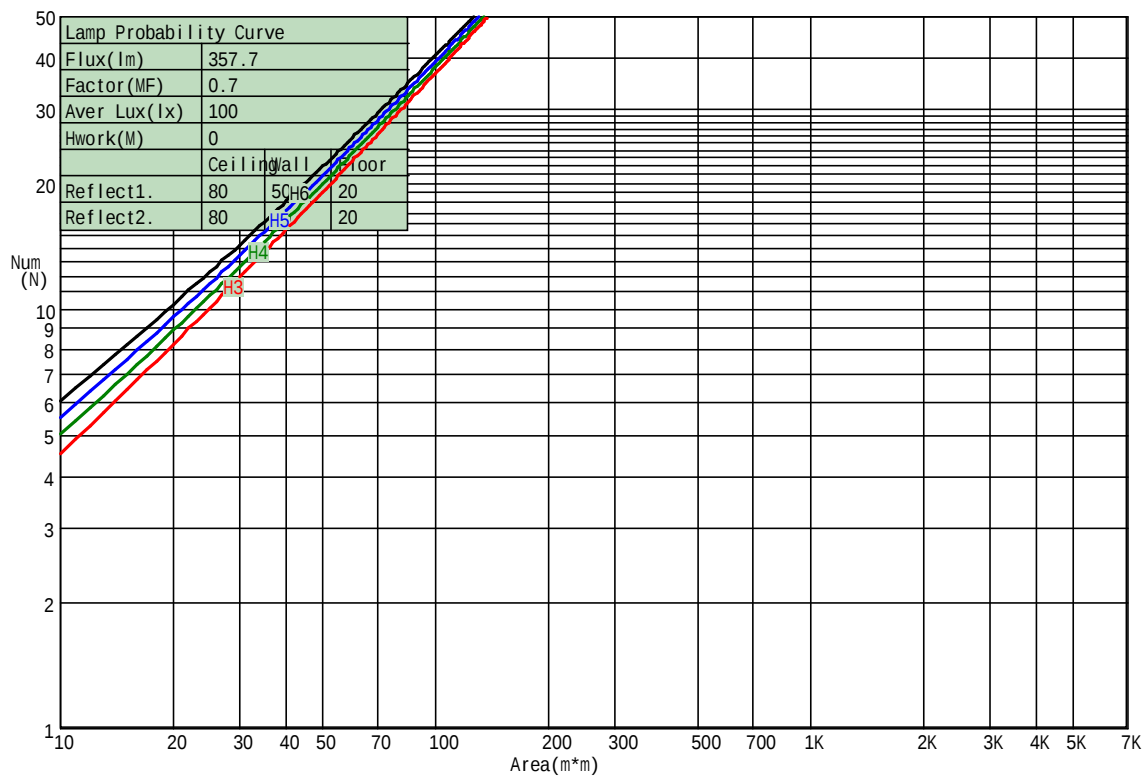
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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	39	22	11	38	21	10	34	19	10
0.80	45	26	13	43	25	13	38	23	12
1.00	49	29	15	46	28	14	41	25	13
1.25	53	32	17	50	30	16	44	27	15
1.50	56	35	18	52	33	17	46	29	16
2.00	60	38	21	56	36	20	48	31	17
2.50	62	40	22	58	38	21	50	33	18
3.00	64	42	23	60	39	22	51	34	19
4.00	67	44	25	62	41	24	53	36	20
5.00	68	46	26	63	43	25	54	37	21

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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1	0.99	0.98	0.97	0.96
2	1.05	1.01	0.98	1.03	1	0.97	1	0.97	0.95	0.97	0.95	0.93	0.94	0.93	0.91
3	0.99	0.95	0.91	0.98	0.94	0.9	0.95	0.92	0.89	0.93	0.9	0.88	0.91	0.88	0.86
4	0.94	0.89	0.85	0.93	0.88	0.85	0.9	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82
5	0.89	0.84	0.8	0.88	0.83	0.8	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.8	0.78
6	0.84	0.79	0.75	0.84	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.8	0.76	0.74
7	0.8	0.75	0.71	0.8	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.7	0.76	0.73	0.7
8	0.77	0.71	0.68	0.76	0.71	0.68	0.75	0.7	0.67	0.74	0.7	0.67	0.73	0.69	0.67
9	0.73	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.7	0.66	0.64
10	0.7	0.65	0.61	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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	0.16	0.09	0.03	0.16	0.09	0.03	0.14	0.08	0.03	0.13	0.08	0.02	0.12	0.07	0.02
2	0.15	0.08	0.03	0.15	0.08	0.03	0.14	0.08	0.02	0.13	0.07	0.02	0.12	0.07	0.02
3	0.14	0.08	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.12	0.07	0.02	0.12	0.06	0.02
4	0.14	0.07	0.02	0.13	0.07	0.02	0.13	0.07	0.02	0.12	0.06	0.02	0.11	0.06	0.02
5	0.13	0.07	0.02	0.13	0.06	0.02	0.12	0.06	0.02	0.11	0.06	0.02	0.11	0.06	0.02
6	0.12	0.06	0.02	0.12	0.06	0.02	0.12	0.06	0.02	0.11	0.06	0.02	0.1	0.06	0.02
7	0.12	0.06	0.02	0.12	0.06	0.02	0.11	0.06	0.02	0.11	0.05	0.02	0.1	0.05	0.02
8	0.11	0.06	0.02	0.11	0.05	0.02	0.11	0.05	0.02	0.1	0.05	0.01	0.1	0.05	0.01
9	0.11	0.05	0.01	0.11	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01
10	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01	0.09	0.05	0.01

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	0.15	0.15	0.14	0.13	0.1	0.09	0.09	0.06	0.05	0.05	0.02	0.02	0.02
2	0.15	0.13	0.11	0.13	0.11	0.1	0.09	0.08	0.07	0.05	0.05	0.04	0.02	0.01	0.01
3	0.14	0.11	0.09	0.12	0.1	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01
4	0.13	0.1	0.08	0.11	0.09	0.07	0.08	0.06	0.05	0.04	0.03	0.03	0.01	0.01	0.01
5	0.12	0.09	0.06	0.1	0.07	0.05	0.07	0.05	0.04	0.04	0.03	0.02	0.01	0.01	0.01
6	0.11	0.08	0.05	0.1	0.07	0.05	0.07	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.11	0.07	0.04	0.09	0.06	0.04	0.06	0.04	0.03	0.04	0.02	0.02	0.01	0.01	0.01
8	0.1	0.06	0.04	0.09	0.05	0.03	0.06	0.04	0.02	0.03	0.02	0.01	0.01	0.01	0
9	0.09	0.06	0.03	0.08	0.05	0.03	0.06	0.04	0.02	0.03	0.02	0.01	0.01	0.01	0
10	0.09	0.05	0.03	0.08	0.05	0.03	0.05	0.03	0.02	0.03	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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	467	516	568	674	785	773	632	475	0-5	14.8	14.8
10	318	370	482	698	867	817	588	355	5-10	41.9	56.7
15	202	251	370	658	869	793	506	245	10-15	62.2	119
20	119	158	256	542	770	673	387	159	15-20	71.6	191
25	60.4	86	151	386	563	499	262	88.6	20-25	67.4	258
30	28.3	41.4	76.8	237	341	310	154	43.4	25-30	51.6	310
35	9.68	13	21	101	161	142	75.9	14.7	30-35	31.9	341
40	1.49	2.01	1.47	9.94	27.2	28.3	18	1.04	35-40	11.8	353
45	1.1	1.51	0.99	1.58	1.96	1.28	1.21	0.57	40-45	1.29	355
50	0.91	1.15	0.68	0.86	0.64	0.45	0.6	0.25	45-50	0.37	355
55	0.98	1.18	0.78	0.73	0.28	0.18	0.36	0.27	50-55	0.27	355
60	1.04	1.18	0.82	0.74	0.25	0.17	0.33	0.33	55-60	0.28	355
65	0.99	1.17	0.83	0.84	0.27	0.2	0.34	0.39	60-65	0.31	356
70	0.94	1.16	0.99	0.91	0.27	0.23	0.37	0.38	65-70	0.33	356
75	0.96	1.11	1.03	1.02	0.34	0.3	0.45	0.63	70-75	0.37	356
80	0.87	1.04	1.03	1.06	0.38	0.4	0.57	0.71	75-80	0.4	357
85	0.84	1.01	1	1.09	0.46	0.52	0.66	0.74	80-85	0.42	357
90	0.81	0.91	0.98	1.04	0.58	0.62	0.75	0.72	85-90	0.43	358
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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.1V I: 64.0mA P: 7.10W PF: 0.490 Test LM: 357.71lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-07H01-YB	Lamp Spec: LPCL-07H01-YB	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	467	489	511	533	556	591	639	686	736	785	779	774	726	663	598	526	474	470
10.0	318	341	365	407	457	529	627	716	793	867	845	822	742	638	537	431	351	334
15.0	202	223	245	290	344	433	564	681	776	869	835	801	699	569	449	331	240	221
20.0	119	136	154	190	234	318	448	567	670	770	728	684	579	449	337	234	155	137
25.0	60.4	71.6	83.2	107	136	202	309	405	485	563	535	506	421	314	224	146	85.5	72.7
30.0	28.3	34.1	40	53	69.1	112	184	248	296	341	328	313	259	188	130	79.7	41.7	34.9
35.0	9.68	11.1	12.7	15.6	19.2	38.6	75	108	135	161	153	144	120	90.4	62.5	34.8	14.1	11.9
40.0	1.49	1.72	1.96	1.84	1.59	3.32	7.16	11.8	19.7	27.2	27.7	28.2	24.9	20.2	14.3	6.59	1.09	1.3
45.0	1.1	1.28	1.46	1.34	1.1	1.12	1.38	1.62	1.79	1.96	1.66	1.36	1.26	1.22	1.07	0.78	0.63	0.87
50.0	0.91	1.01	1.12	0.99	0.78	0.72	0.8	0.83	0.74	0.64	0.56	0.47	0.5	0.57	0.53	0.37	0.33	0.62
55.0	0.98	1.07	1.16	1.05	0.87	0.77	0.75	0.68	0.48	0.28	0.24	0.19	0.24	0.32	0.34	0.3	0.35	0.67
60.0	1.04	1.1	1.17	1.06	0.9	0.81	0.77	0.69	0.46	0.25	0.21	0.18	0.22	0.3	0.33	0.33	0.41	0.73
65.0	0.99	1.07	1.15	1.06	0.9	0.83	0.83	0.78	0.52	0.27	0.24	0.2	0.24	0.31	0.35	0.37	0.45	0.73
70.0	0.94	1.03	1.14	1.11	1.03	0.97	0.94	0.84	0.55	0.27	0.26	0.24	0.28	0.34	0.37	0.37	0.44	0.69
75.0	0.96	1.03	1.1	1.08	1.05	1.03	1.03	0.95	0.64	0.34	0.32	0.3	0.35	0.41	0.49	0.57	0.66	0.81
80.0	0.87	0.95	1.02	1.04	1.03	1.04	1.05	0.99	0.68	0.38	0.39	0.4	0.45	0.53	0.6	0.66	0.73	0.8
85.0	0.84	0.91	0.99	1.01	1.01	1.02	1.06	1.02	0.73	0.46	0.48	0.51	0.57	0.63	0.68	0.71	0.75	0.79
90.0	0.81	0.85	0.9	0.93	0.96	0.99	1.02	0.99	0.78	0.58	0.6	0.62	0.66	0.72	0.74	0.73	0.73	0.77
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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-4-7

Remark: