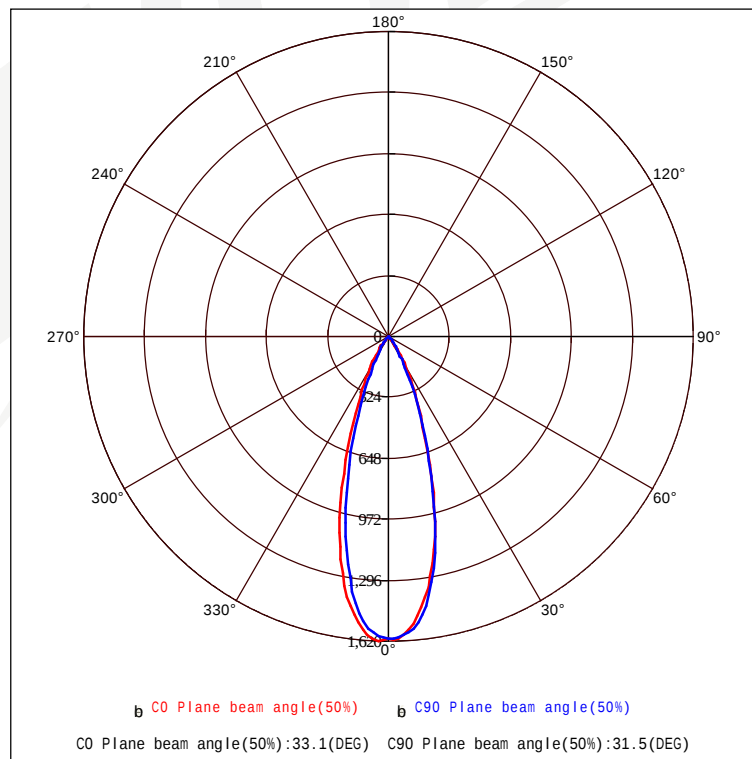


Goniophotometer Test Report

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPCL-10H01-YB			Lamp Spec: LPCL-10H01-YB		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPCL-10H01-YB		Peak Value(cd)	1623.1	Efficiency(lm/w)	57.0
Nominal P(w)		10.0	Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	575.380	Down(C0-C180)	54.2
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)	45.8

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

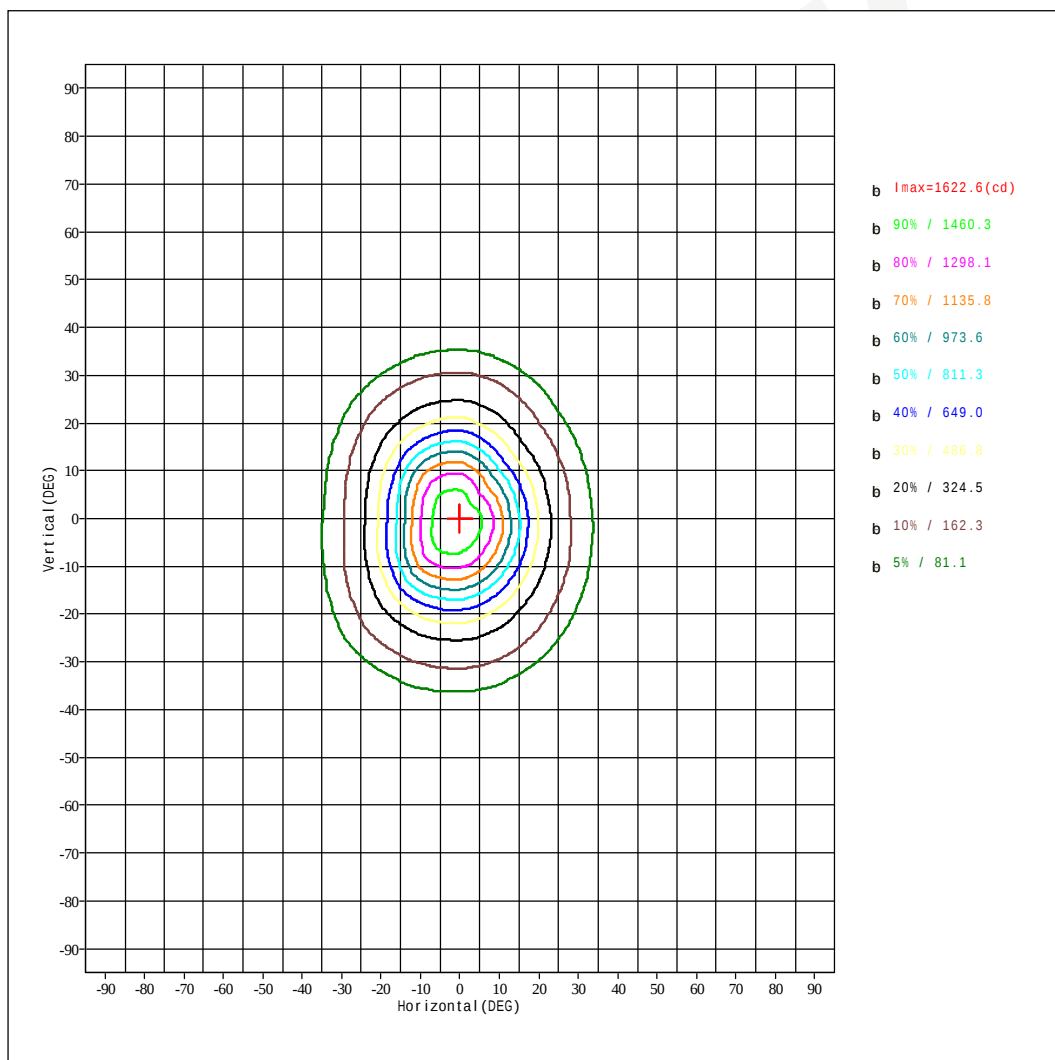
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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

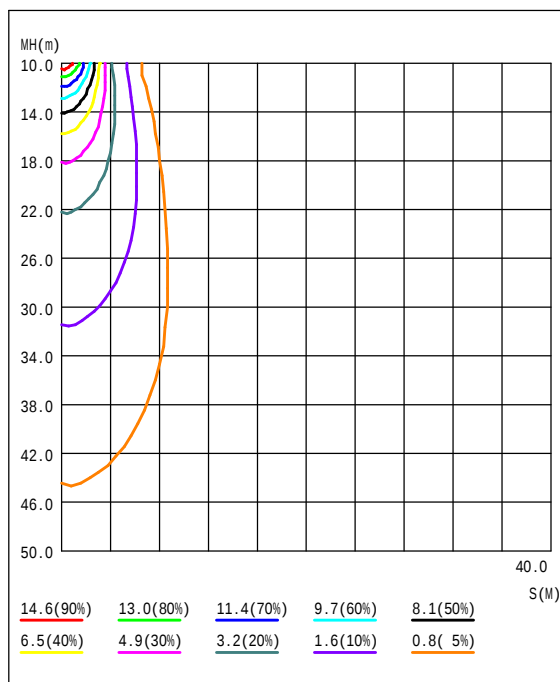
Humidity(%): 60

Date: 2026-4-7

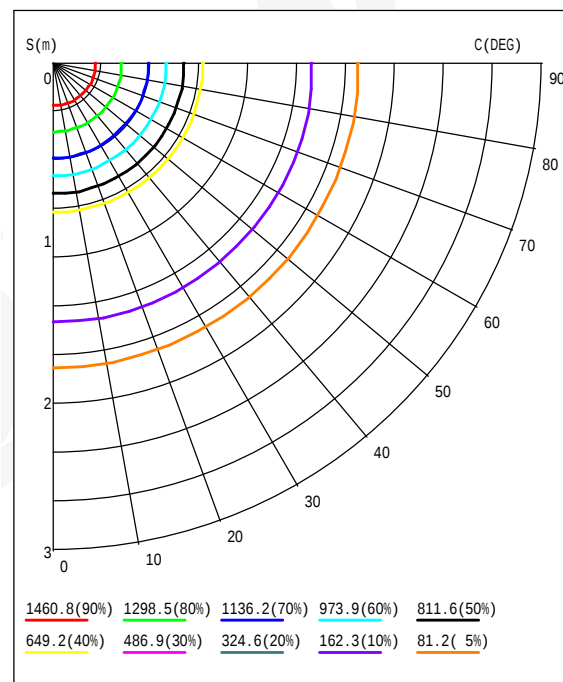
Remark:

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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

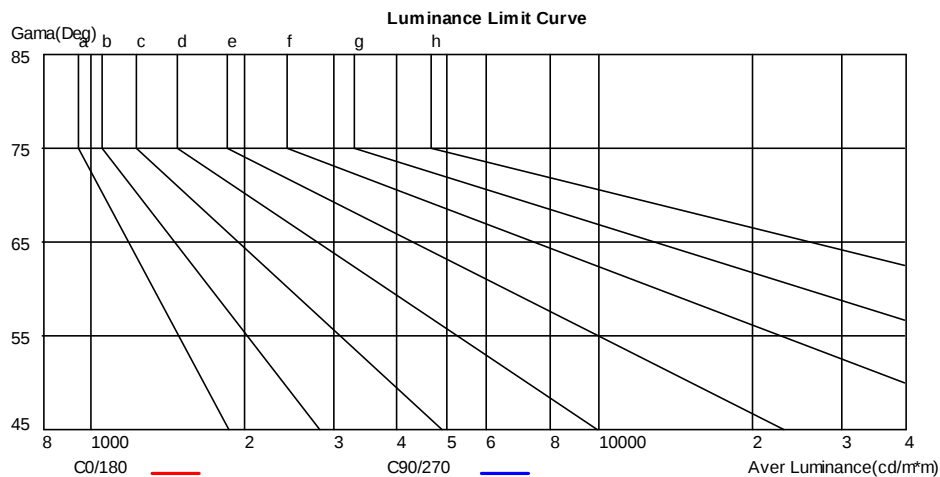
Remark:

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-YB	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m ² m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	146.0	80.4	100.0	124.5	141.1	154.4	157.8	155.3	149.5
C90	202.4	92.6	109.3	132.8	151.4	164.2	166.1	162.7	155.8

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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

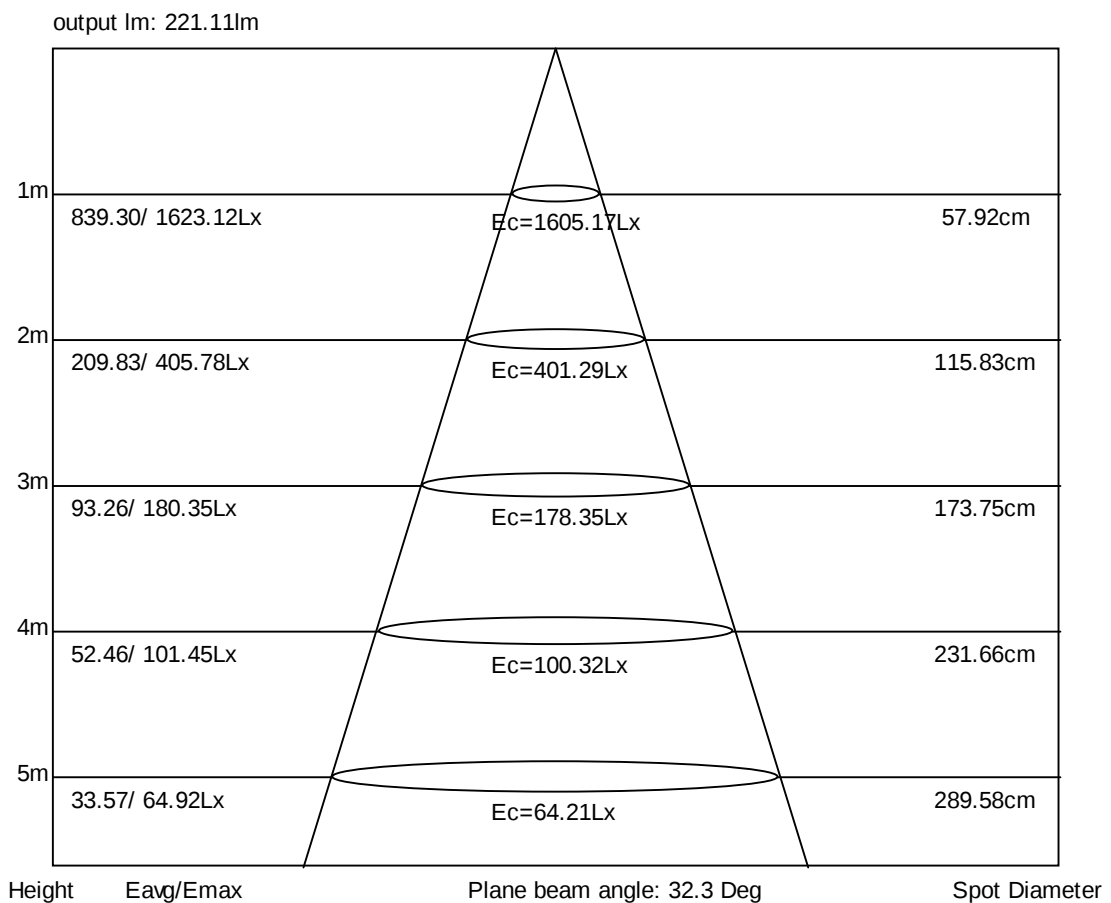
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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

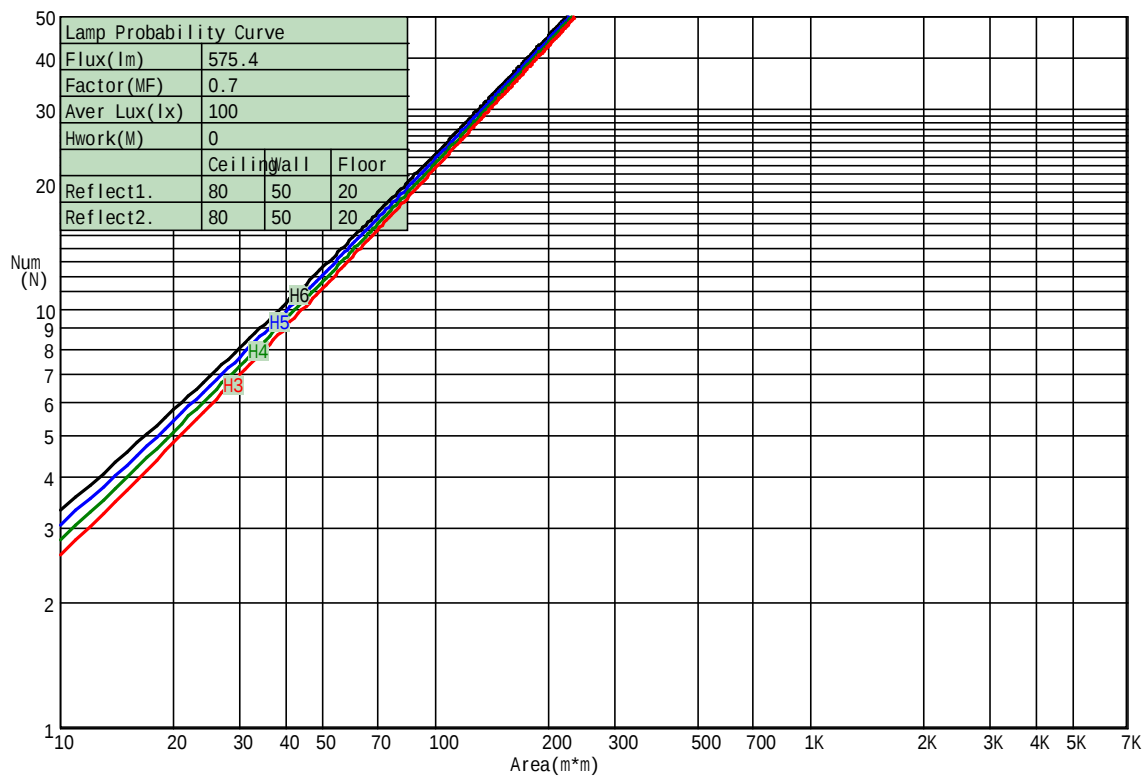
Humidity(%): 60

Date: 2026-4-7

Remark:

Measured Para U: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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	40	22	11	38	21	11	34	20	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	18	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	45	25	62	42	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	1.1	1.08	1.1	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1	0.99	0.98	0.97
2	1.06	1.03	1	1.04	1.01	0.99	1.01	0.99	0.97	0.98	0.96	0.95	0.96	0.94	0.93
3	1.01	0.97	0.94	0.99	0.96	0.93	0.97	0.94	0.91	0.95	0.92	0.9	0.92	0.9	0.89
4	0.96	0.92	0.88	0.95	0.91	0.88	0.93	0.89	0.87	0.91	0.88	0.86	0.89	0.87	0.85
5	0.92	0.87	0.84	0.91	0.87	0.83	0.89	0.86	0.83	0.88	0.84	0.82	0.86	0.84	0.81
6	0.88	0.83	0.8	0.87	0.83	0.8	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.8	0.78
7	0.84	0.8	0.76	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.75	0.8	0.77	0.75
8	0.81	0.76	0.73	0.81	0.76	0.73	0.8	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72
9	0.78	0.73	0.7	0.78	0.73	0.7	0.77	0.73	0.7	0.76	0.72	0.7	0.75	0.72	0.69
10	0.75	0.71	0.68	0.75	0.7	0.67	0.74	0.7	0.67	0.73	0.7	0.67	0.73	0.69	0.67

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: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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	0.15	0.09	0.03	0.15	0.08	0.03	0.13	0.08	0.02	0.12	0.07	0.02	0.11	0.06	0.02
2	0.14	0.08	0.02	0.14	0.07	0.02	0.13	0.07	0.02	0.12	0.07	0.02	0.11	0.06	0.02
3	0.13	0.07	0.02	0.13	0.07	0.02	0.12	0.06	0.02	0.11	0.06	0.02	0.1	0.06	0.02
4	0.12	0.06	0.02	0.12	0.06	0.02	0.11	0.06	0.02	0.11	0.06	0.02	0.1	0.05	0.02
5	0.12	0.06	0.02	0.11	0.06	0.02	0.11	0.06	0.02	0.1	0.05	0.02	0.1	0.05	0.02
6	0.11	0.06	0.02	0.11	0.06	0.02	0.1	0.05	0.02	0.1	0.05	0.02	0.09	0.05	0.01
7	0.11	0.05	0.02	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01	0.09	0.05	0.01
8	0.1	0.05	0.01	0.1	0.05	0.01	0.1	0.05	0.01	0.09	0.05	0.01	0.09	0.05	0.01
9	0.1	0.05	0.01	0.1	0.05	0.01	0.09	0.05	0.01	0.09	0.04	0.01	0.09	0.04	0.01
10	0.09	0.05	0.01	0.09	0.04	0.01	0.09	0.04	0.01	0.09	0.04	0.01	0.08	0.04	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	0.14	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	0.12	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	0.08	0.07	0.07	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	0.06	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	0.09	0.07	0.05	0.06	0.05	0.03	0.04	0.03	0.02	0.01	0.01	0.01
7	0.1	0.07	0.05	0.09	0.06	0.04	0.06	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01
8	0.09	0.06	0.04	0.08	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	0.05	0.03	0.02	0.03	0.02	0.01	0.01	0.01	0
10	0.08	0.05	0.03	0.07	0.04	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: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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	1515	1548	1545	1584	1549	1502	1503	1410	0-5	37.4	37.4
10	1257	1328	1289	1414	1312	1227	1198	1110	5-10	99.6	137
15	900	985	895	1095	960	853	822	723	10-15	128	265
20	542	599	531	709	585	510	478	411	15-20	117	382
25	309	332	274	395	334	277	236	224	20-25	85.4	467
30	178	178	132	213	188	145	115	112	25-30	55.7	523
35	70.5	78.8	59.1	107	86.7	60.7	52	37.8	30-35	32.3	556
40	10.4	19	16.8	37.1	17.9	11.1	12.4	2.52	35-40	13.2	569
45	1.46	2.36	2.02	3.55	1.62	0.99	1.3	0.4	40-45	2.15	571
50	0.8	1.17	0.93	1.41	0.35	0.14	0.32	0.15	45-50	0.41	571
55	1	1.27	1.09	1.17	0.3	0.14	0.24	0.14	50-55	0.28	572
60	1.24	1.48	1.33	1.34	0.32	0.2	0.28	0.21	55-60	0.34	572
65	1.41	1.64	1.51	1.54	0.25	0.23	0.33	0.32	60-65	0.42	572
70	1.54	1.75	1.64	1.64	0.48	0.4	0.44	0.47	65-70	0.5	573
75	1.58	1.75	1.66	1.72	0.59	0.53	0.64	0.66	70-75	0.57	573
80	1.55	1.71	1.63	1.73	0.79	0.69	0.87	0.91	75-80	0.64	574
85	1.49	1.6	1.56	1.66	0.98	0.97	1.08	1.08	80-85	0.69	575
90	1.4	1.49	1.44	1.54	1.03	1.1	1.21	1.17	85-90	0.71	575
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: 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: 226.6V I: 72.0mA P: 10.10W PF: 0.619 Test LM: 575.38lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPCL-10H01-YB	Lamp Spec: LPCL-10H01-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	1515	1529	1544	1547	1545	1553	1571	1581	1565	1549	1529	1507	1502	1503	1482	1440	1421	1469
10.0	1257	1288	1320	1315	1298	1317	1373	1403	1356	1312	1275	1236	1218	1204	1179	1139	1126	1193
15.0	900	937	975	955	915	939	1030	1081	1020	960	914	865	843	829	801	756	743	823
20.0	542	567	593	577	546	570	651	695	639	585	552	518	499	485	463	433	425	485
25.0	309	319	330	313	286	300	355	388	360	334	309	283	263	245	233	228	234	272
30.0	178	178	178	162	142	150	187	211	199	188	169	150	135	122	114	113	119	149
35.0	70.5	74.2	77.9	72.4	63.5	69.7	91.5	105	95.7	86.7	75.4	63.6	57.9	53.9	48.9	42.4	41.4	56.2
40.0	10.4	14.2	18	18.3	17.3	21.3	30.5	35	26.3	17.9	14.9	11.8	11.5	12.1	10.2	5.76	3.38	6.96
45.0	1.46	1.85	2.26	2.25	2.1	2.36	3.05	3.34	2.46	1.62	1.35	1.06	1.1	1.24	1.11	0.7	0.52	1
50.0	0.8	0.96	1.13	1.09	0.98	1.03	1.25	1.29	0.81	0.35	0.26	0.16	0.2	0.28	0.28	0.2	0.22	0.52
55.0	1	1.12	1.24	1.21	1.13	1.11	1.15	1.08	0.68	0.3	0.23	0.15	0.17	0.22	0.22	0.17	0.24	0.62
60.0	1.24	1.35	1.46	1.43	1.36	1.33	1.33	1.23	0.77	0.32	0.27	0.21	0.23	0.27	0.27	0.23	0.32	0.79
65.0	1.41	1.51	1.62	1.6	1.54	1.52	1.53	1.4	0.81	0.25	0.24	0.23	0.26	0.31	0.33	0.33	0.44	0.94
70.0	1.54	1.63	1.73	1.71	1.67	1.64	1.64	1.51	0.99	0.48	0.45	0.41	0.41	0.43	0.44	0.46	0.59	1.07
75.0	1.58	1.65	1.73	1.72	1.68	1.68	1.7	1.6	1.09	0.59	0.56	0.54	0.57	0.61	0.64	0.65	0.76	1.17
80.0	1.55	1.62	1.69	1.68	1.64	1.65	1.7	1.63	1.2	0.79	0.75	0.7	0.75	0.83	0.88	0.9	0.98	1.27
85.0	1.49	1.54	1.59	1.59	1.57	1.58	1.63	1.59	1.28	0.98	0.97	0.97	1	1.06	1.08	1.08	1.13	1.31
90.0	1.4	1.44	1.48	1.48	1.45	1.46	1.51	1.49	1.26	1.03	1.06	1.09	1.14	1.19	1.2	1.18	1.2	1.3
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: