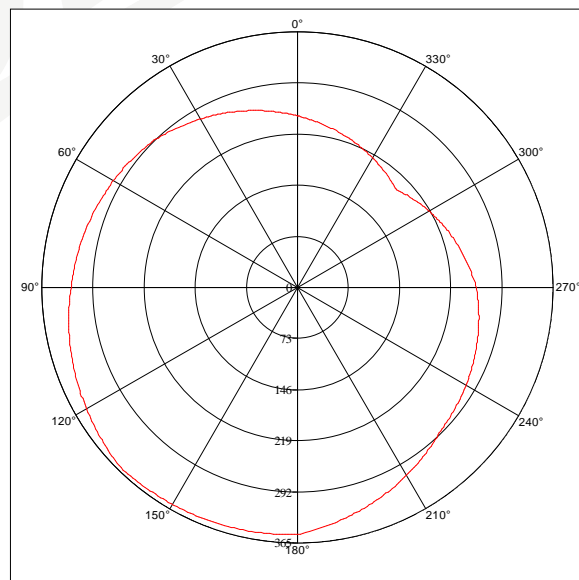
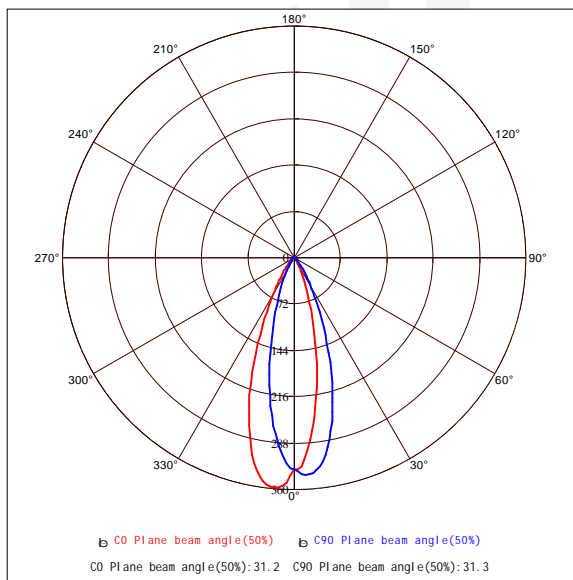


Goniophotometer Test Report

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.46lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPDL-4A-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-4A-Y		Peak Value(cd)	360.1	Efficiency(lm/w)	82.0
Nominal P(w)	1.0		Position	135.0, 7.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	330.46	Down(C0-C180)	60.4
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)	39.6

Planar Intensity Distribution Curve

Peak Point Conical surface 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

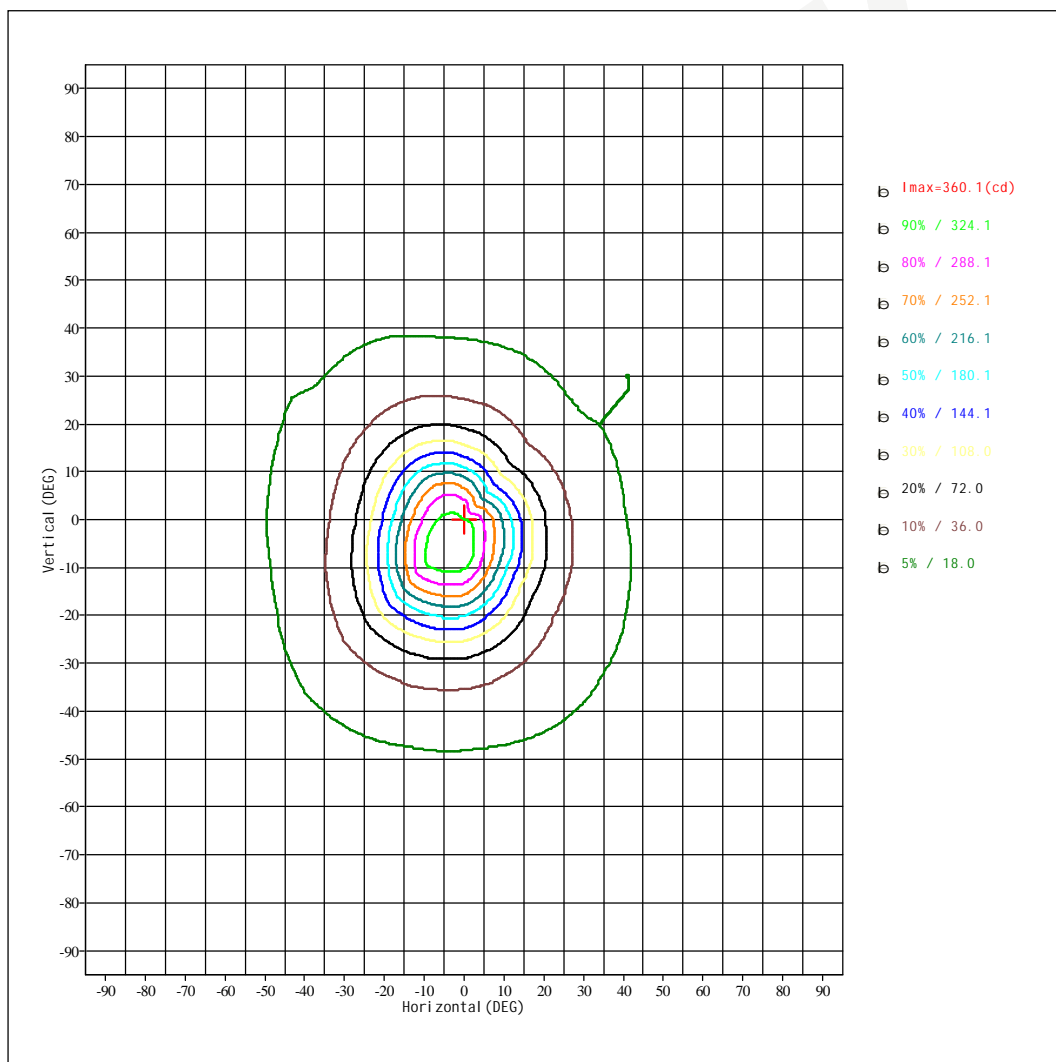
Humi di ty(%): 60

Date: 2024-3-25

Remark:

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.46lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-4A-Y	Lamp Spec:	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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

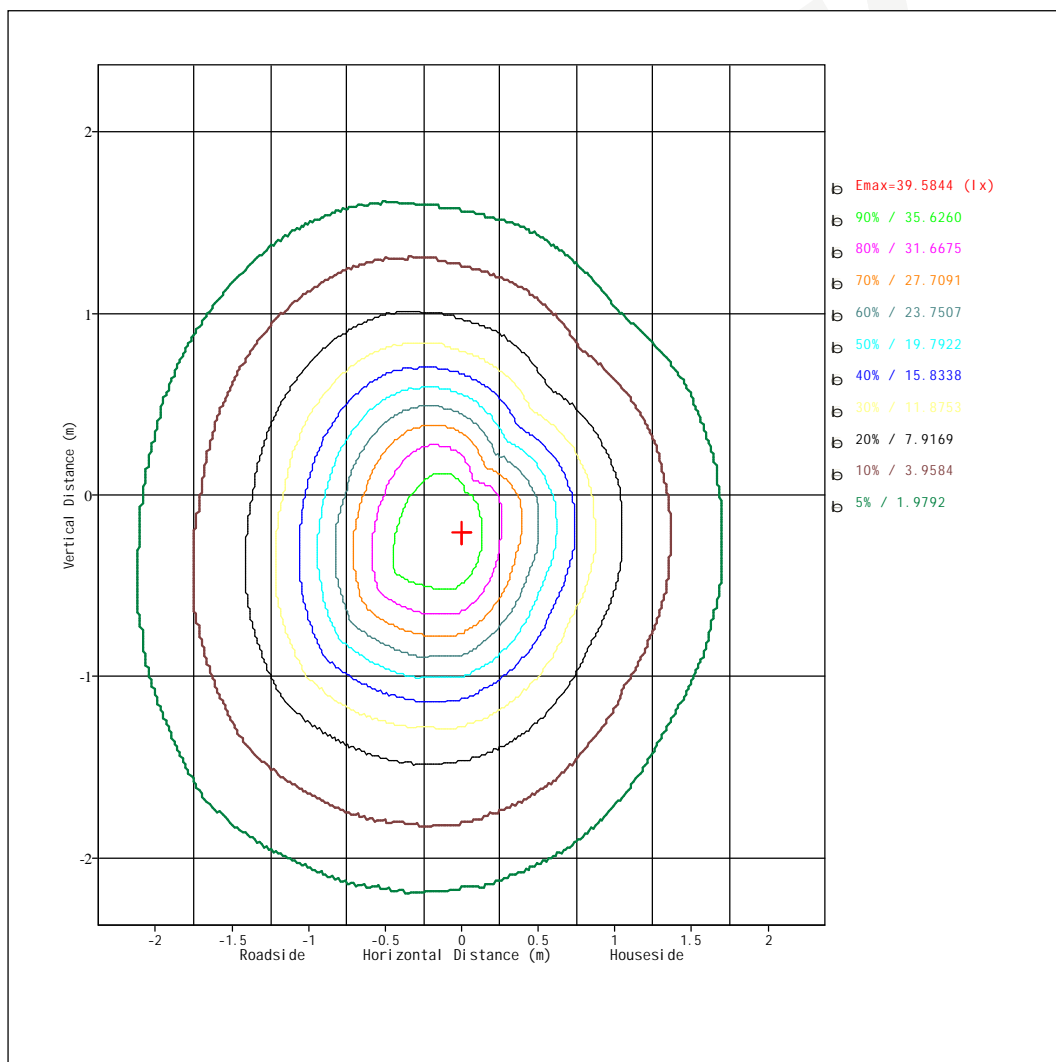
Humi di ty(%): 60

Date: 2024-3-25

Remark:

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.461m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-4A-Y	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

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

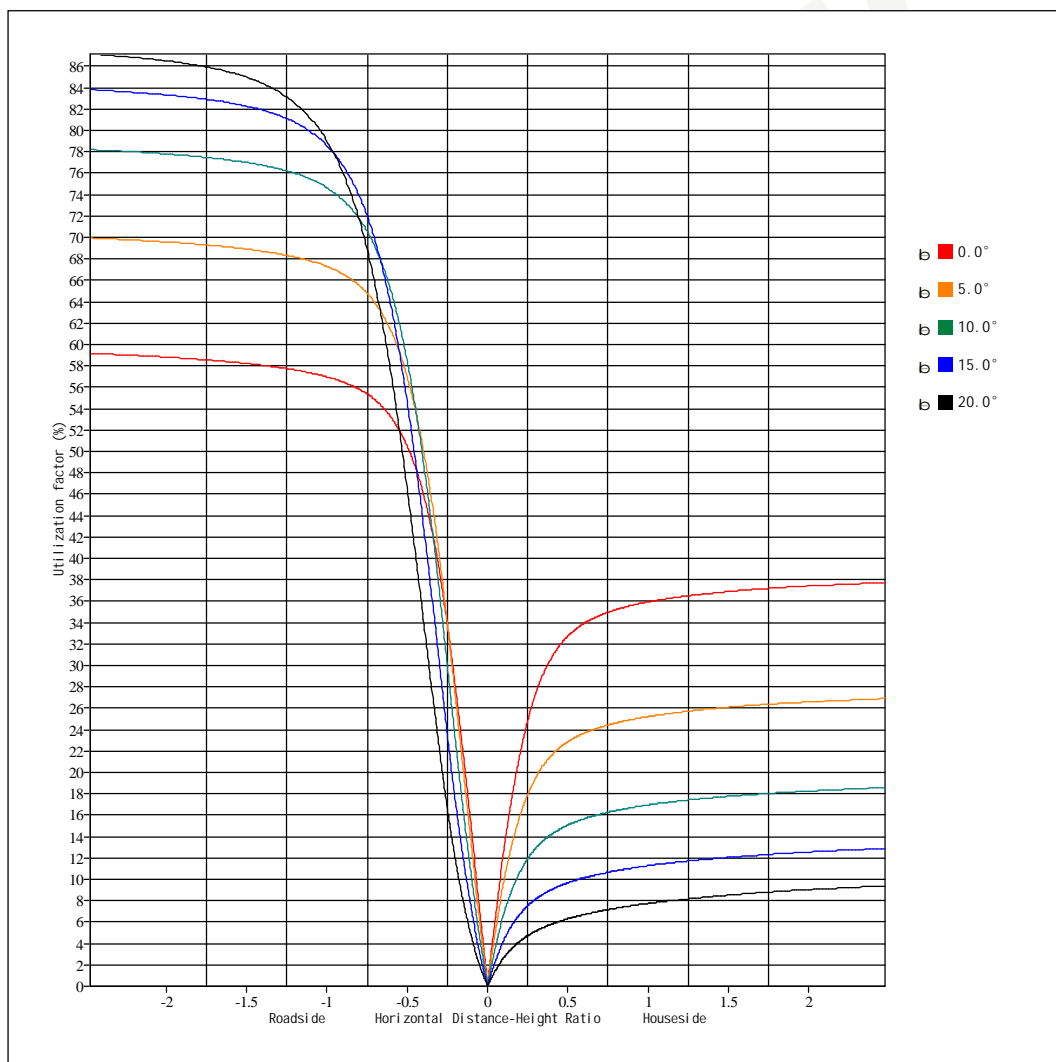
Humi di ty(%): 60

Date: 2024-3-25

Remark:

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.46lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-4A-Y	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Utilization Coefficient



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

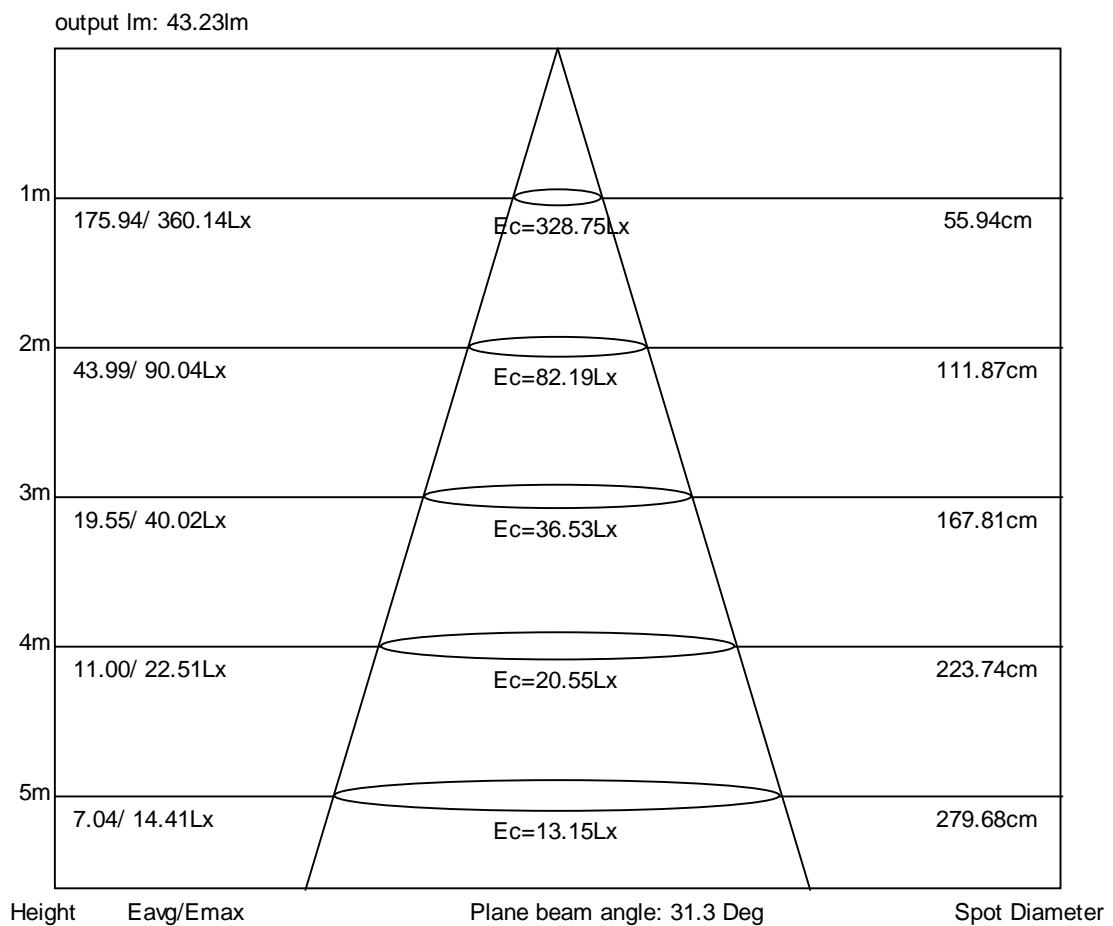
Humi di ty(%): 60

Date: 2024-3-25

Remark:

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.46lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-4A-Y	Lamp Spec:	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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2024-3-25

Remark:

Measured Para U: 225.3V I: 35.0mA P: 4.03W PF: 0.511 Test LM: 330.461m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-4A-Y	Lamp Spec:	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	277	293	310	320	330	339	348	355	357	359	337	315	301	290	274	252	241	259
10.0	193	220	248	268	285	307	334	351	340	330	295	259	237	218	196	168	152	173
15.0	115	143	172	194	216	244	280	302	282	263	224	183	160	142	122	98.5	85.2	100
20.0	62.3	82.7	104	122	141	167	204	225	204	184	149	112	94	81.3	68.5	54.5	46.4	54.5
25.0	33.4	45.9	58.8	70.8	83	103	131	147	128	110	87.4	63.7	52.9	45.9	38.6	30.4	25.4	29.5
30.0	16.2	24.2	32.6	40.1	47.8	59.6	76.4	85.7	73.8	62.2	49.3	35.8	29.5	25.2	20.9	16.3	13.3	14.8
35.0	8.78	13	17.3	21.6	26.1	33.2	43.4	49	41.9	35	27.5	19.7	16.3	14.1	12	9.74	8.17	8.48
40.0	5.86	7.79	9.78	12	14.4	18.1	23.6	26.6	22.5	18.6	15	11.3	9.78	8.87	7.82	6.58	5.7	5.78
45.0	4.52	5.52	6.56	7.58	8.65	10.3	12.8	14.1	12.1	10.2	8.79	7.31	6.64	6.21	5.62	4.82	4.27	4.4
50.0	3.59	4.02	4.47	5.1	5.82	6.77	8	8.65	7.62	6.63	5.95	5.25	4.88	4.61	4.28	3.85	3.55	3.57
55.0	3.35	3.65	3.97	4.22	4.46	4.88	5.5	5.83	5.33	4.86	4.4	3.94	3.78	3.72	3.64	3.53	3.44	3.39
60.0	2.74	3.14	3.54	3.71	3.8	3.95	4.16	4.26	3.99	3.73	3.68	3.63	3.59	3.54	3.39	3.12	2.9	2.82
65.0	2.77	3.1	3.43	3.57	3.64	3.65	3.58	3.53	3.51	3.49	3.4	3.3	3.21	3.11	2.98	2.8	2.69	2.73
70.0	2.71	2.89	3.09	3.12	3.11	3.14	3.22	3.26	3.23	3.19	3.13	3.06	3.05	3.04	2.77	2.2	1.89	2.31
75.0	2.87	2.98	3.11	3.12	3.11	2.92	2.55	2.34	2.61	2.87	2.96	3.05	3.07	3.08	2.95	2.68	2.52	2.7
80.0	2.86	2.95	3.04	3.07	3.06	2.74	2.06	1.72	2.33	2.92	2.99	3.08	3.1	3.09	3.05	2.95	2.88	2.87
85.0	2.84	2.94	3.03	3.06	3.05	3.04	3.02	3	2.99	2.99	3.05	3.12	3.11	3.07	3.01	2.92	2.85	2.85
90.0	2.85	2.94	3.02	3.04	3.04	3.02	2.97	2.95	3	3.04	3.09	3.13	3.1	3.05	2.97	2.88	2.82	2.84
95.0																		
100.0																		
105.0																		
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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): 30

Humi di ty(%): 60

Tester: zxg

Date: 2024-3-25

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0