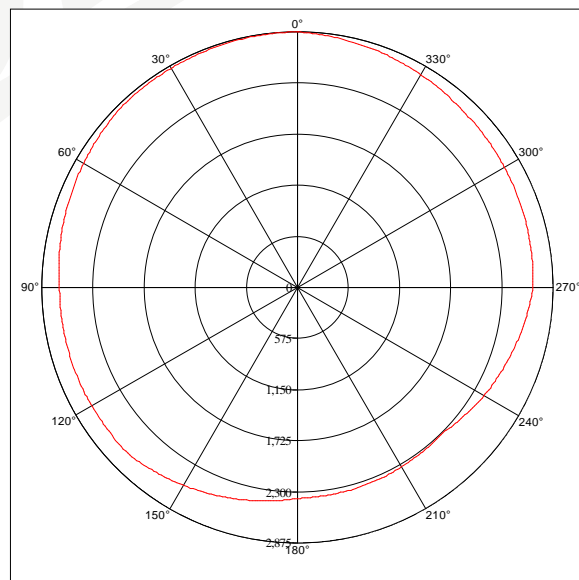
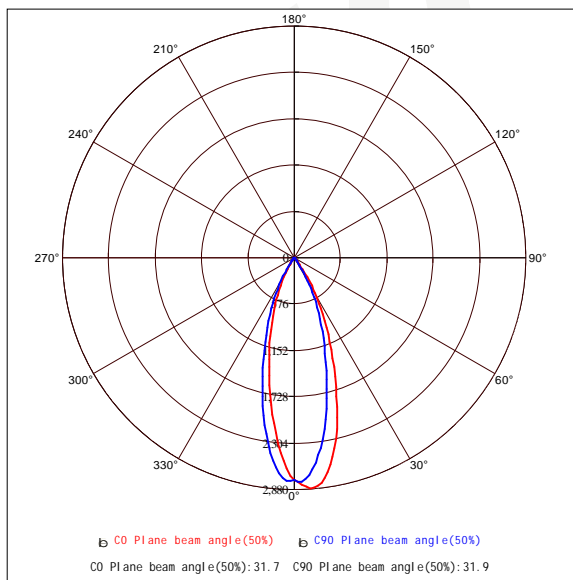


LED DOWN LIGHT

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID:		Lamp Spec: LPDL-15A-Y		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-15A-Y		Peak Value(cd)	2874.2	Efficiency(lm/w)	89.4
Nominal P(w)	1.0		Position	0.0, 4.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	1332.95	Down(C0-C180)	54.7
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)	45.3

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxx

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

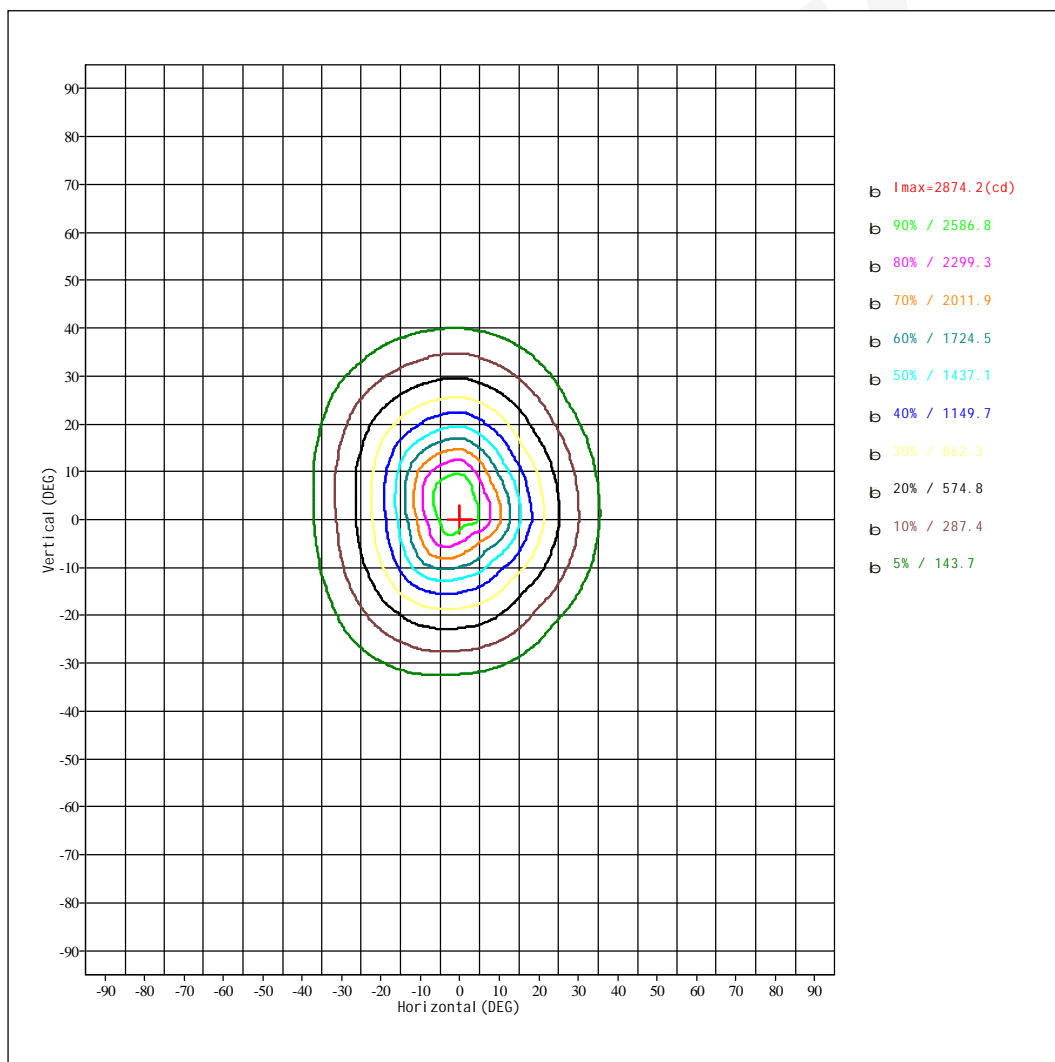
Humi dity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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): 30

Tester: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

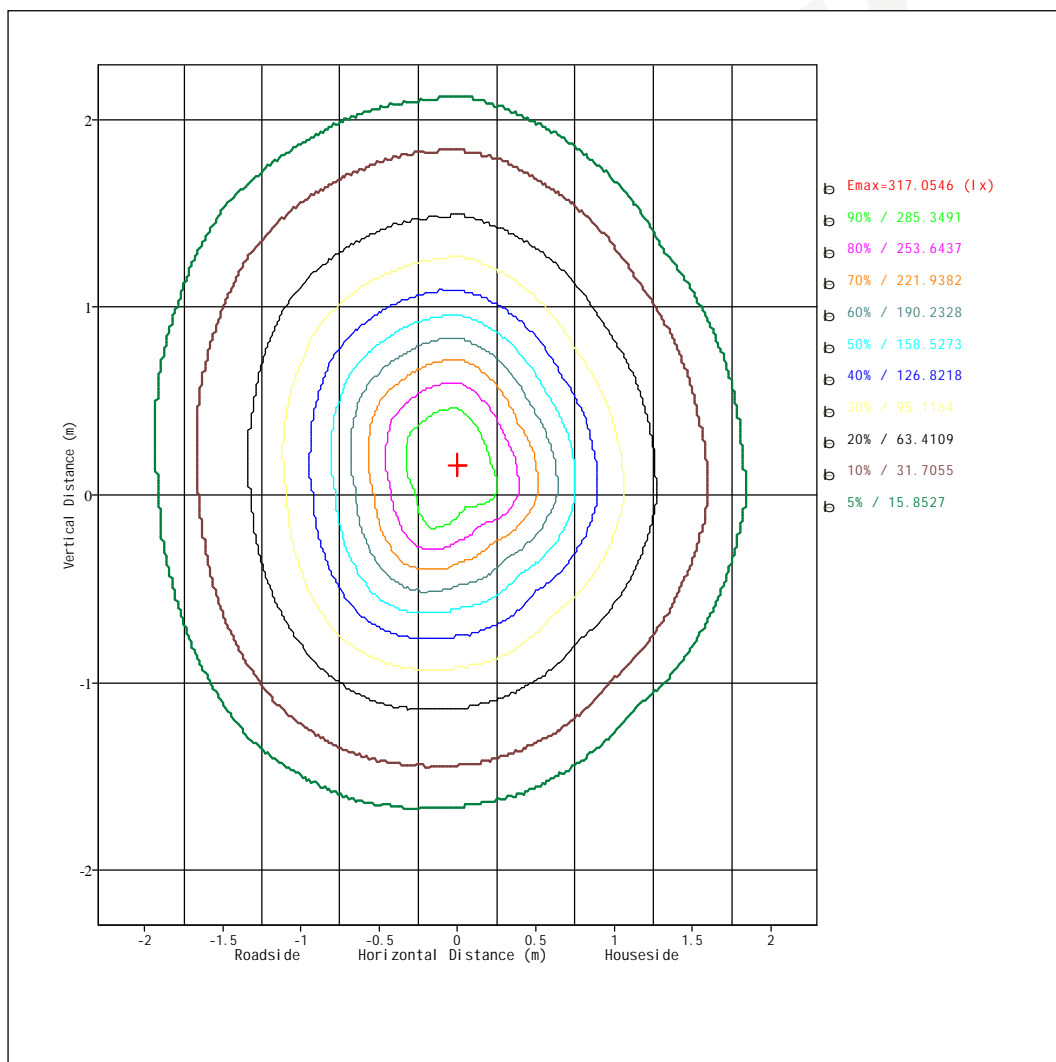
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-Y	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: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

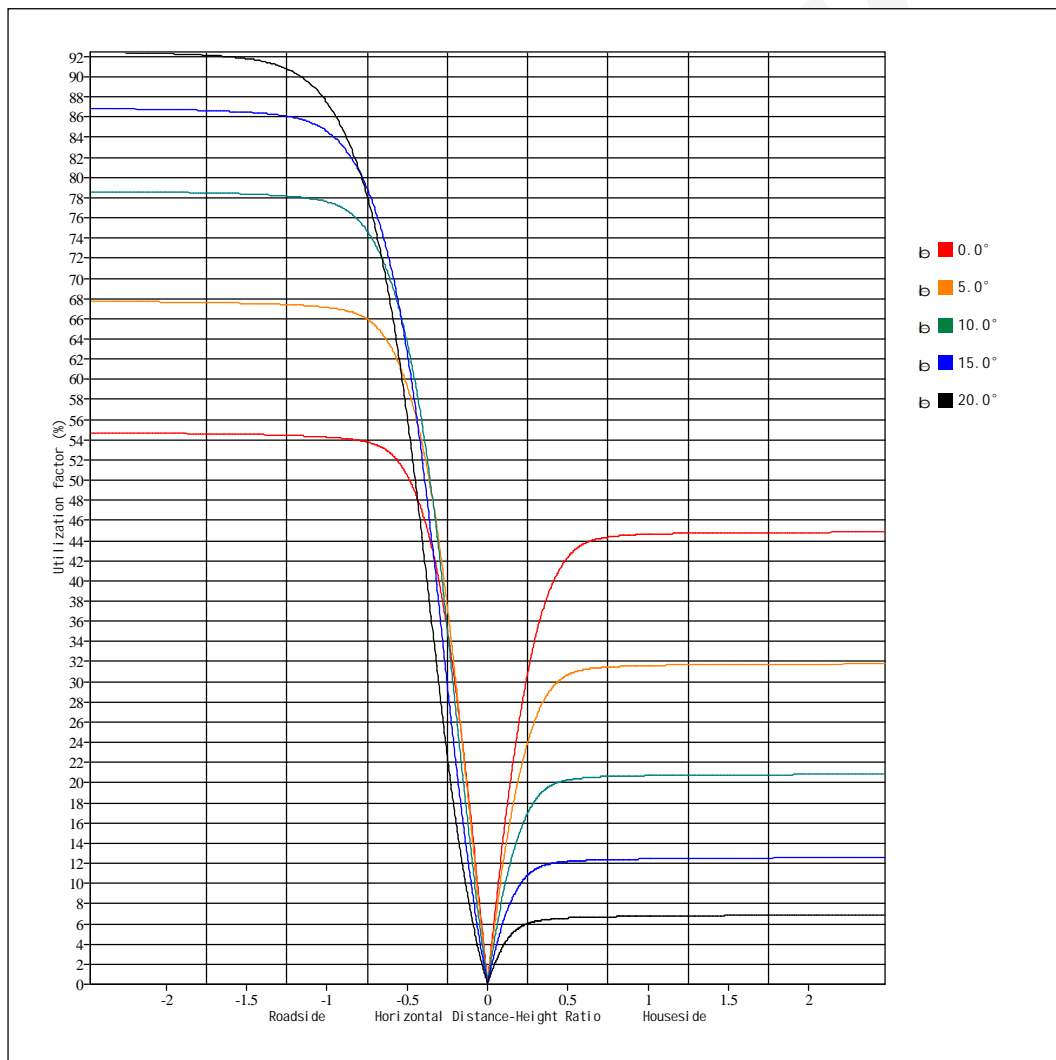
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-Y	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

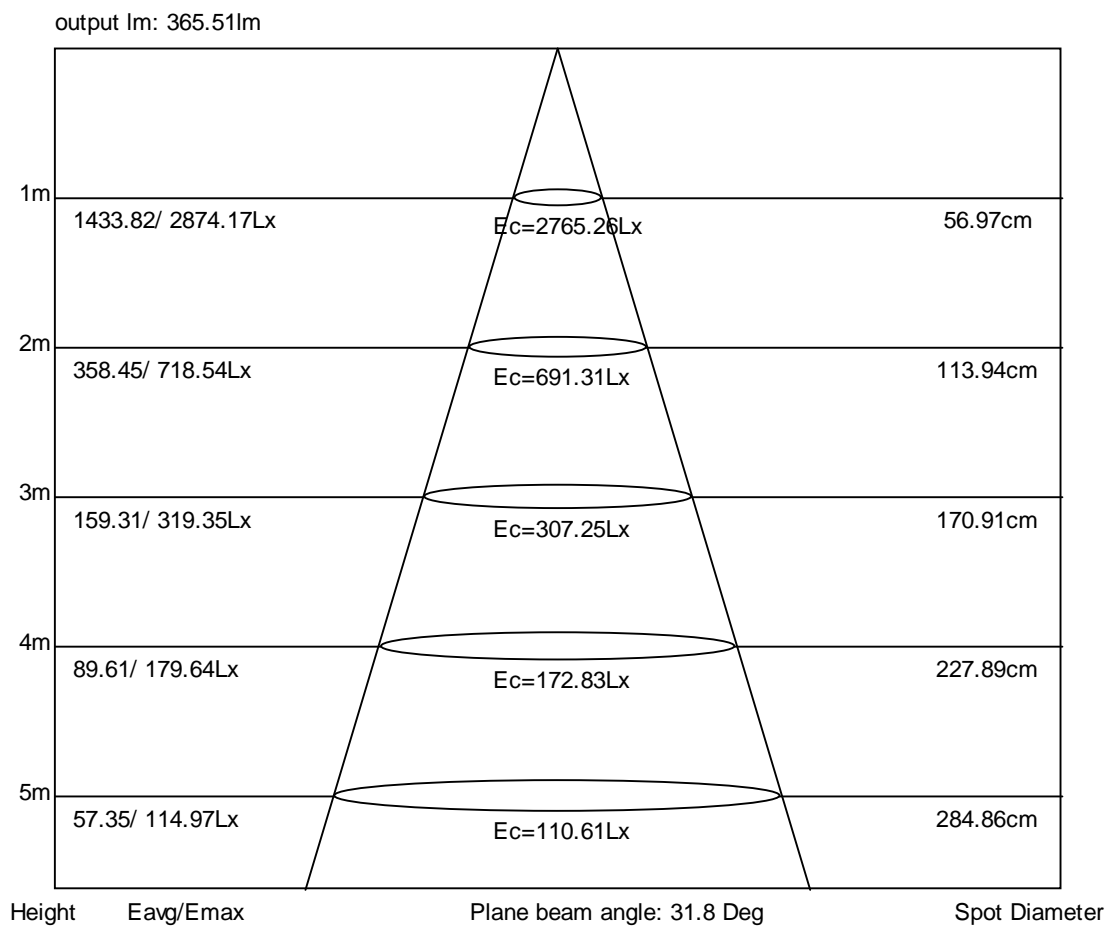
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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): 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: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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	2865	2827	2606	2590	2262	2209	2577	2648	0-5	63.7	63.7
10	2566	2537	2104	2059	1676	1619	2062	2137	5-10	166	230
15	1995	1968	1511	1478	1152	1100	1477	1534	10-15	213	442
20	1386	1376	1026	987	741	690	974	1018	15-20	207	649
25	908	916	647	600	419	382	590	623	20-25	171	820
30	546	563	354	314	148	121	296	321	25-30	120	940
35	258	282	113	100	43.2	35.7	91.4	98.3	30-35	64	1004
40	76.8	84.5	38.6	36.3	18.4	14.4	32	32.8	35-40	25.3	1029
45	29.6	32.6	18.3	18.8	8.76	7.18	14.2	14	40-45	10.2	1040
50	15	17.4	10.7	10.6	4.56	3.61	7.26	6.81	45-50	5.29	1045
55	8.96	9.98	6.89	6.77	2.25	1.65	3.54	3.25	50-55	3.11	1048
60	5.68	6.42	4.62	4.55	1.33	1.18	1.58	1.42	55-60	1.96	1050
65	3.98	4.41	3.83	3.97	1.62	1.52	1.32	1.21	60-65	1.43	1051
70	3.88	4.04	3.91	4.01	2	1.95	1.67	1.58	65-70	1.41	1053
75	3.96	4.05	3.87	3.92	2.45	2.41	2.06	2.03	70-75	1.57	1054
80	3.88	3.97	3.73	3.76	2.92	2.88	2.5	2.49	75-80	1.71	1056
85	3.7	3.75	3.49	3.49	3.28	3.18	2.92	2.92	80-85	1.8	1058
90	3.54	3.5	3.34	3.22	3.47	3.3	3.2	3.15	85-90	1.83	1060
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

Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.5V I: 114.4mA P: 14.91W PF: 0.591 Test LM: 1332.95lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPDL-15A-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	2865	2848	2831	2755	2654	2602	2595	2554	2406	2262	2239	2215	2330	2497	2593	2625	2672	2770
10.0	2566	2554	2541	2395	2199	2094	2074	2018	1844	1676	1651	1625	1765	1965	2079	2112	2184	2378
15.0	1995	1983	1971	1818	1611	1504	1489	1442	1295	1152	1130	1106	1224	1394	1489	1515	1584	1793
20.0	1386	1382	1377	1261	1102	1017	999	960	849	741	719	696	783	912	984	1004	1058	1225
25.0	908	911	915	828	706	637	616	580	498	419	403	386	450	545	597	612	654	783
30.0	546	554	561	494	400	345	327	296	221	148	136	124	179	258	302	313	345	448
35.0	258	269	279	226	150	110	104	93.8	68.1	43.2	39.9	36.5	54	79.2	92.9	96	116	188
40.0	76.8	80.1	83.6	69.4	48.6	38.1	37	34.3	26.2	18.4	16.7	14.8	20.2	28.2	32.2	32.5	37.6	57.5
45.0	29.6	30.9	32.3	27.9	21.5	18.4	18.6	17.7	13.1	8.76	8.07	7.35	9.48	12.7	14.1	14	15.7	22.8
50.0	15	16	17.1	15.2	12.2	10.7	10.7	9.96	7.21	4.56	4.14	3.71	4.81	6.46	7.16	6.96	7.71	11.4
55.0	8.96	9.41	9.87	8.97	7.57	6.87	6.81	6.28	4.23	2.25	1.99	1.71	2.27	3.12	3.48	3.35	3.88	6.46
60.0	5.68	6.01	6.34	5.83	5.01	4.6	4.57	4.2	2.74	1.33	1.27	1.2	1.31	1.49	1.55	1.47	1.89	3.82
65.0	3.98	4.17	4.36	4.22	3.95	3.86	3.93	3.72	2.65	1.62	1.58	1.53	1.45	1.37	1.3	1.25	1.51	2.77
70.0	3.88	3.95	4.02	4	3.94	3.93	3.97	3.79	2.88	2	1.98	1.95	1.86	1.73	1.65	1.61	1.83	2.87
75.0	3.96	4	4.04	3.99	3.91	3.88	3.91	3.76	3.1	2.45	2.44	2.42	2.3	2.14	2.06	2.04	2.24	3.11
80.0	3.88	3.92	3.96	3.89	3.79	3.74	3.75	3.67	3.29	2.92	2.9	2.88	2.75	2.58	2.5	2.5	2.65	3.27
85.0	3.7	3.72	3.74	3.66	3.55	3.49	3.49	3.47	3.37	3.28	3.24	3.19	3.09	2.98	2.92	2.92	3.01	3.36
90.0	3.54	3.52	3.5	3.45	3.38	3.32	3.26	3.25	3.36	3.47	3.4	3.32	3.27	3.23	3.19	3.17	3.19	3.37
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): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2023-6-9

Distance(m): 7.000

Remark:

Test System: ZWL Goniophotometer System V3.0