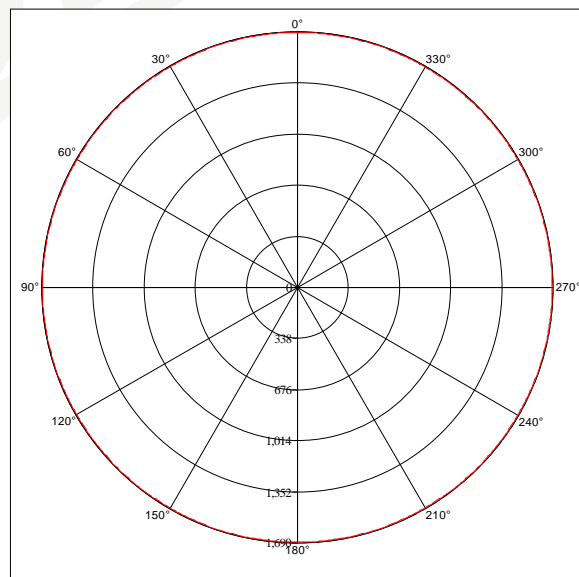
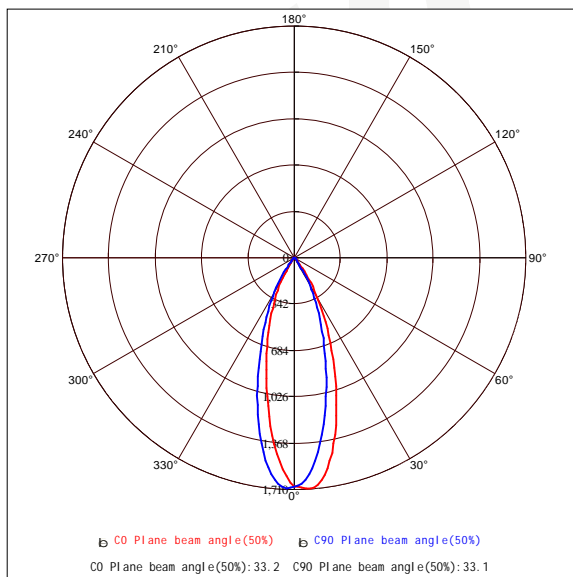


LED DOWN LIGHT

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.42lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID:		Lamp Spec: LPDL-10A-Y		Shape Size:		
Manufactory: LIPER		Sur(m <sup>2</sup> ):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-10A-Y		Peak Value(cd)	1716.8	Efficiency(lm/w)	87.9
Nominal P(w)	1.0		Position	135.0, 0.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	861.42	Down(C0-C180)	51.5
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)	48.5

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

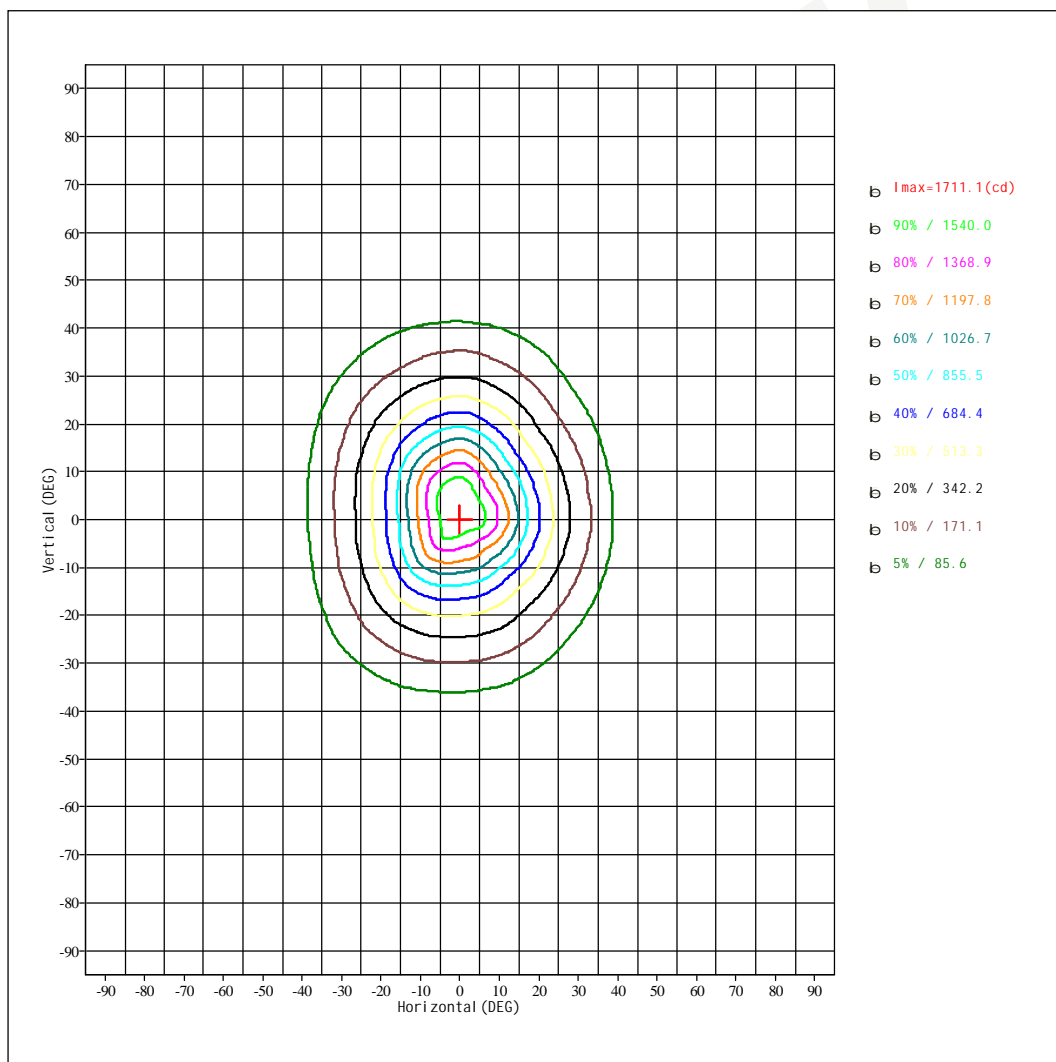
Humi dity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.42lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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

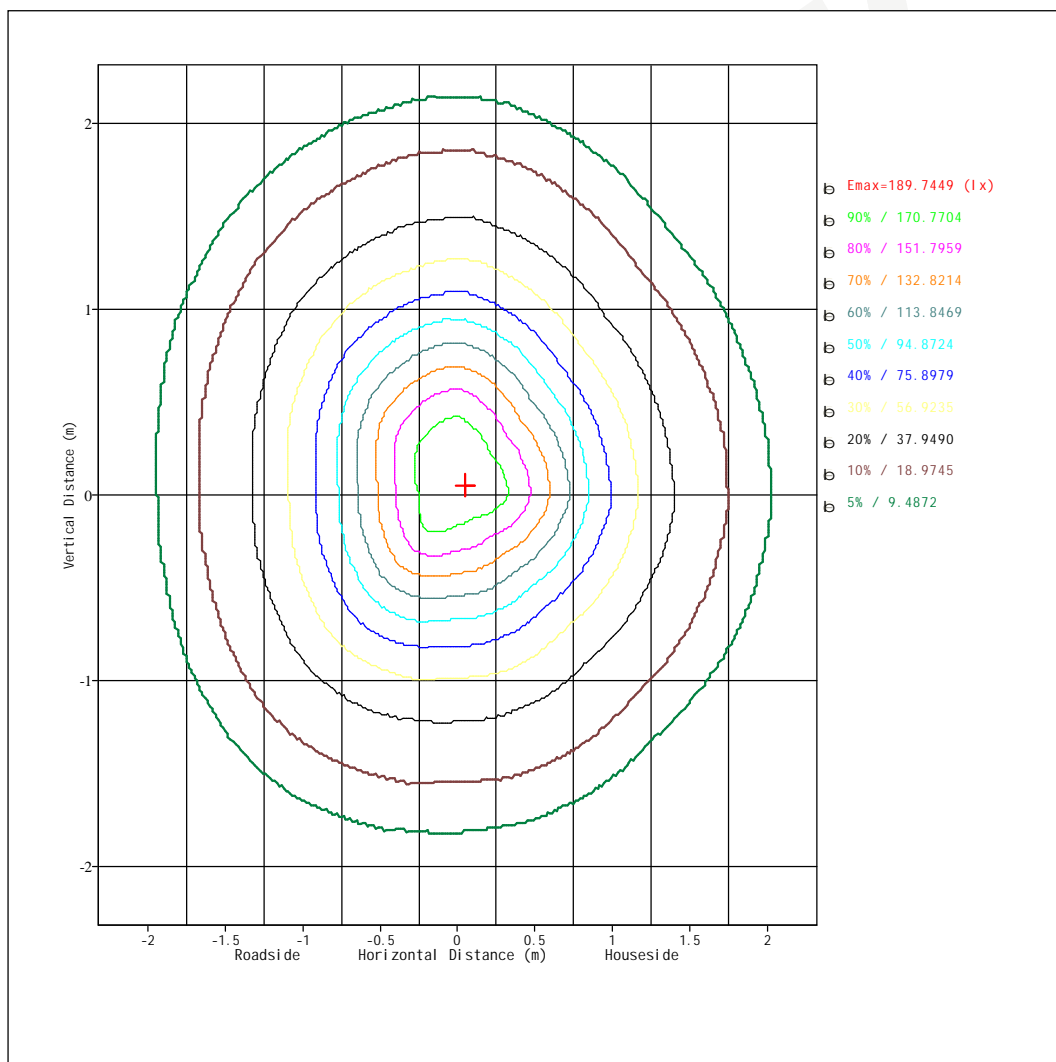
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.421m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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

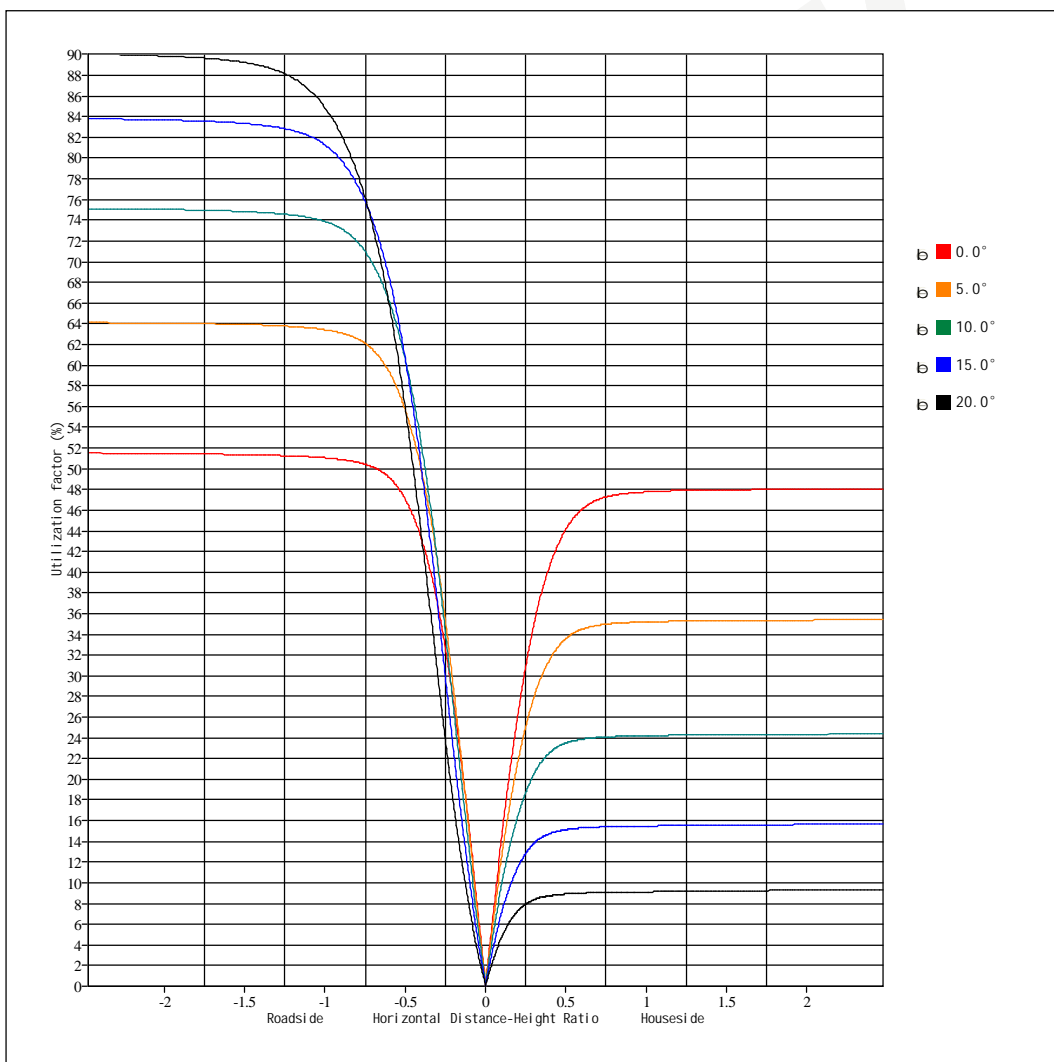
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.421m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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

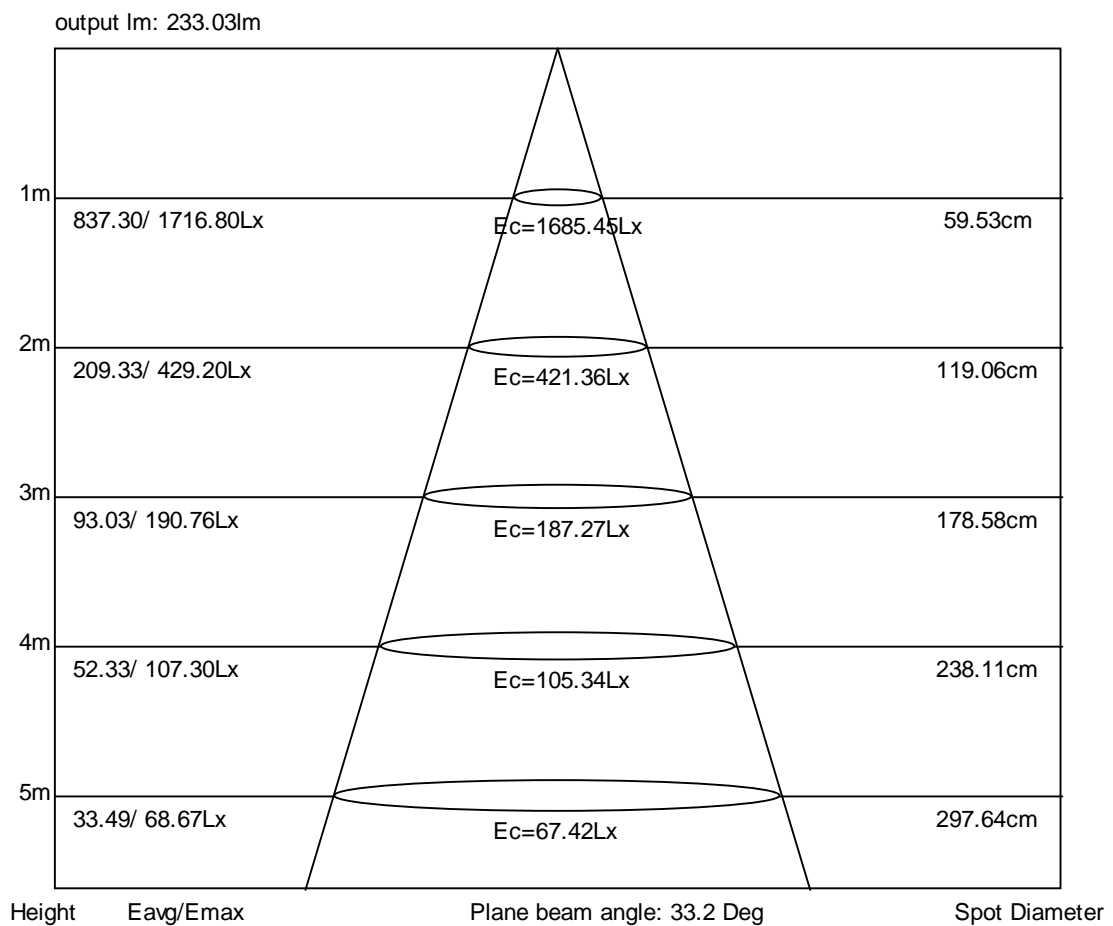
Humi di ty(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.42lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-Y	Shape Si ze:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	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: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.42Im		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-Y	Shape Size:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	1693	1655	1533	1580	1419	1445	1628	1609	0-5	38.9	38.9
10	1498	1432	1218	1273	1079	1114	1360	1316	5-10	102	141
15	1171	1102	886	932	761	789	1018	969	10-15	132	272
20	832	776	605	638	508	529	705	662	15-20	131	403
25	554	512	387	412	314	332	460	420	20-25	111	514
30	340	310	219	240	151	165	274	245	25-30	82.9	597
35	169	148	83.3	96.4	55.8	58.8	119	93.4	30-35	49	646
40	61.8	55.8	34.4	38.2	23.5	22.8	38.3	33.5	35-40	21.5	668
45	26.7	25.4	16.2	18.5	10.5	10	14.2	14.7	40-45	9.65	677
50	13.2	12.8	8.32	9.17	4.81	4.6	7.14	6.95	45-50	4.89	682
55	7.12	7	4.53	5.13	2.1	1.91	3.58	3.26	50-55	2.65	685
60	3.99	4.02	2.76	3.1	0.98	0.81	1.65	1.29	55-60	1.49	686
65	2.5	2.65	2.45	2.61	1.14	0.98	0.97	0.93	60-65	0.95	687
70	2.47	2.64	2.51	2.64	1.34	1.21	1.17	1.17	65-70	0.92	688
75	2.52	2.61	2.48	2.58	1.59	1.47	1.38	1.48	70-75	1.03	689
80	2.46	2.55	2.4	2.49	1.84	1.74	1.63	1.78	75-80	1.11	691
85	2.38	2.42	2.28	2.35	2	1.94	1.88	1.91	80-85	1.15	692
90	2.31	2.25	2.16	2.19	2.12	2.05	2.04	2.04	85-90	1.17	693
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: 2023-6-9

Remark:

Measured Para U: 220.8V I: 86.4mA P: 9.80W PF: 0.514 Test LM: 861.421m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: LPDL-10A-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	1693	1677	1659	1615	1560	1543	1565	1563	1490	1419	1431	1442	1505	1588	1624	1616	1619	1657
10.0	1498	1469	1439	1362	1265	1230	1255	1252	1164	1079	1094	1110	1195	1306	1350	1330	1336	1418
15.0	1171	1141	1109	1031	933	896	917	913	836	761	773	786	864	968	1007	985	991	1083
20.0	832	808	782	720	643	612	627	624	565	508	517	526	587	667	696	676	681	758
25.0	554	536	517	471	414	392	403	401	357	314	322	330	374	432	451	433	435	495
30.0	340	327	314	280	239	224	233	230	190	151	157	164	201	250	268	254	255	298
35.0	169	160	150	127	97.5	86.2	92.1	91.9	73.5	55.8	57.1	58.4	78.5	106	113	102	102	136
40.0	61.8	59.2	56.5	48.8	39.1	35.2	37	36.6	29.9	23.5	23.2	22.9	27.9	34.9	37.3	35.1	36.6	49.4
45.0	26.7	26.2	25.5	22.4	18.2	16.7	17.7	17.6	14	10.5	10.3	10.1	11.4	13.3	14.3	14.6	16.1	21.5
50.0	13.2	13	12.8	11.3	9.29	8.5	8.89	8.69	6.72	4.81	4.72	4.62	5.43	6.59	7.1	7.02	7.63	10.5
55.0	7.12	7.07	7.02	6.19	5.07	4.66	4.93	4.8	3.42	2.1	2.02	1.93	2.46	3.22	3.51	3.36	3.68	5.43
60.0	3.99	4	4.02	3.61	3.04	2.84	2.99	2.86	1.9	0.98	0.9	0.83	1.08	1.46	1.57	1.41	1.58	2.81
65.0	2.5	2.56	2.63	2.58	2.49	2.48	2.56	2.45	1.78	1.14	1.07	0.99	0.97	0.97	0.96	0.94	1.1	1.81
70.0	2.47	2.54	2.62	2.6	2.54	2.54	2.6	2.49	1.91	1.34	1.28	1.22	1.19	1.17	1.17	1.17	1.31	1.9
75.0	2.52	2.56	2.6	2.56	2.51	2.5	2.55	2.47	2.02	1.59	1.54	1.49	1.44	1.4	1.4	1.45	1.59	2.06
80.0	2.46	2.5	2.54	2.5	2.43	2.42	2.46	2.42	2.12	1.84	1.8	1.75	1.71	1.66	1.66	1.73	1.86	2.17
85.0	2.38	2.4	2.41	2.37	2.31	2.29	2.33	2.31	2.16	2	1.98	1.95	1.92	1.89	1.88	1.9	1.96	2.18
90.0	2.31	2.29	2.26	2.22	2.18	2.16	2.18	2.18	2.15	2.12	2.09	2.06	2.05	2.04	2.04	2.04	2.07	2.19
95.0																		
100.0																		
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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