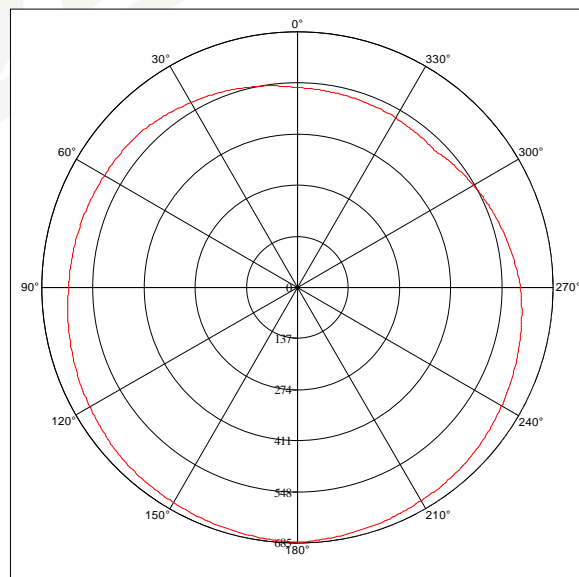
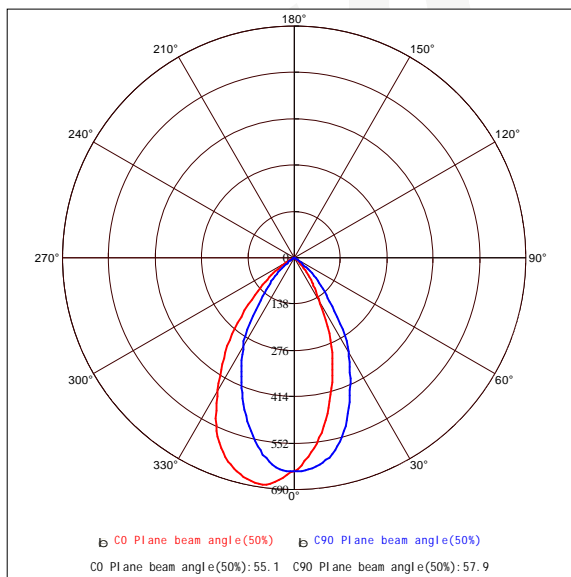


Goniophotometer Test Report

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.68lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LP-CL10G01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LP-CL10G01-Y		Peak Value(cd)	683.3	Efficiency(lm/w)	85.8
Nominal P(w)	1.0		Position	180.0, 8.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	823.68	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

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

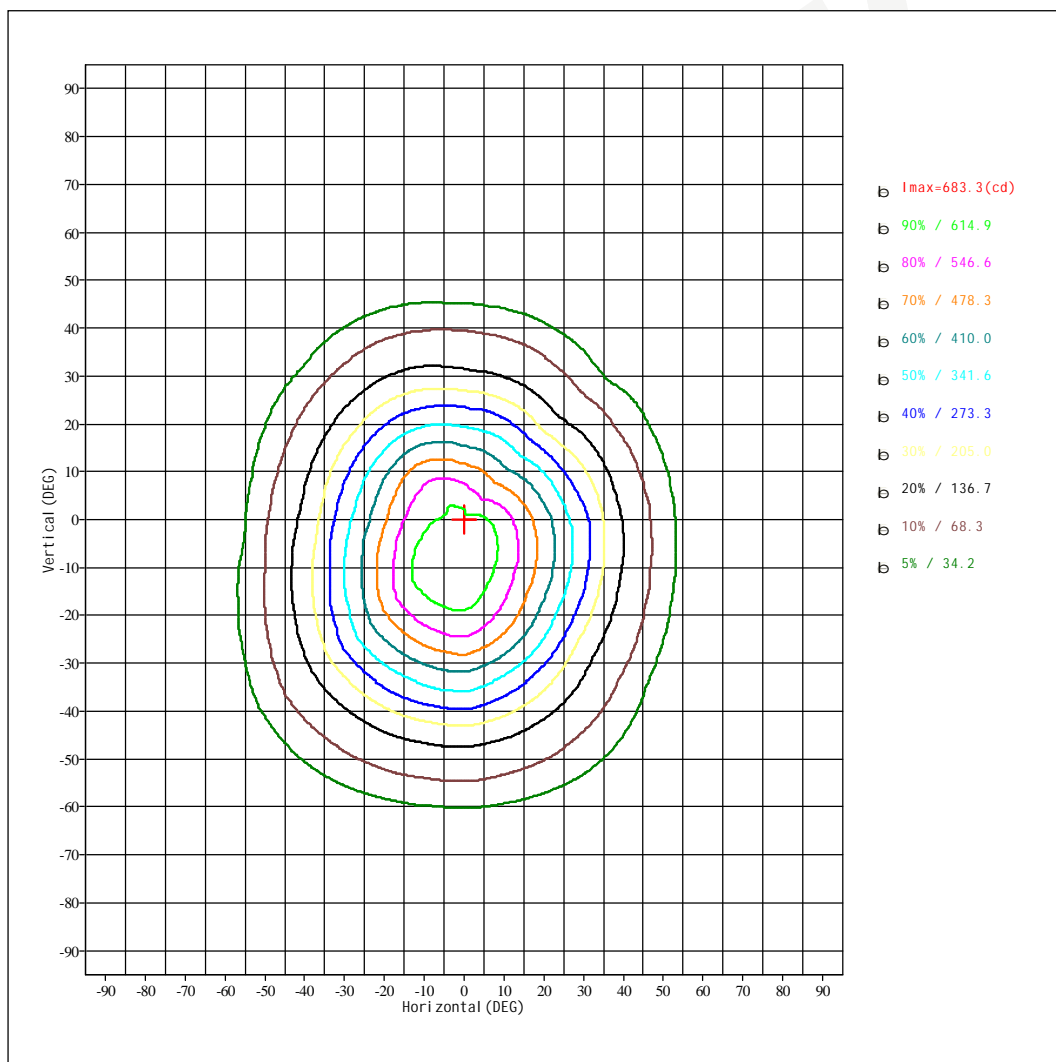
Humi dity(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.68lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL10G01-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): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

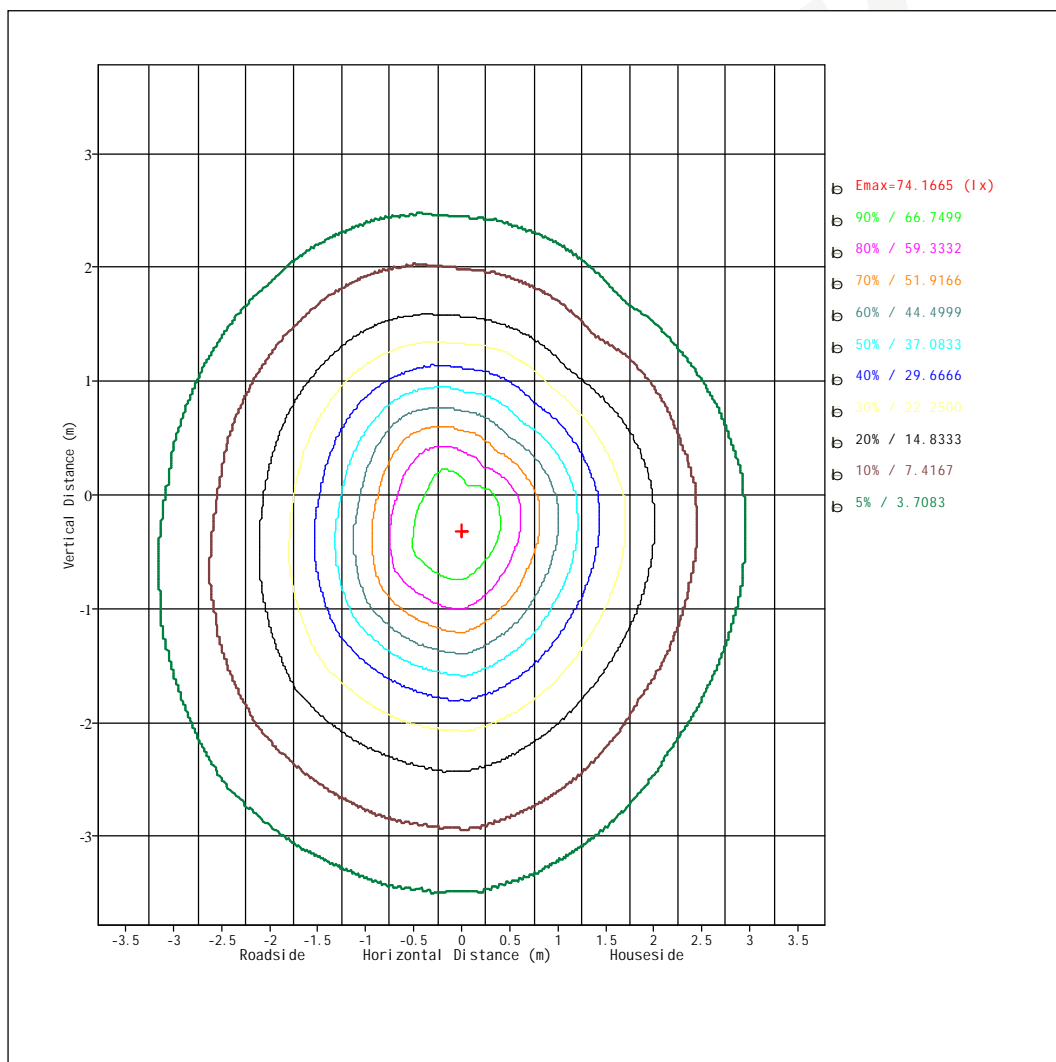
Humi di ty(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.681m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL10G01-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: zxc

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

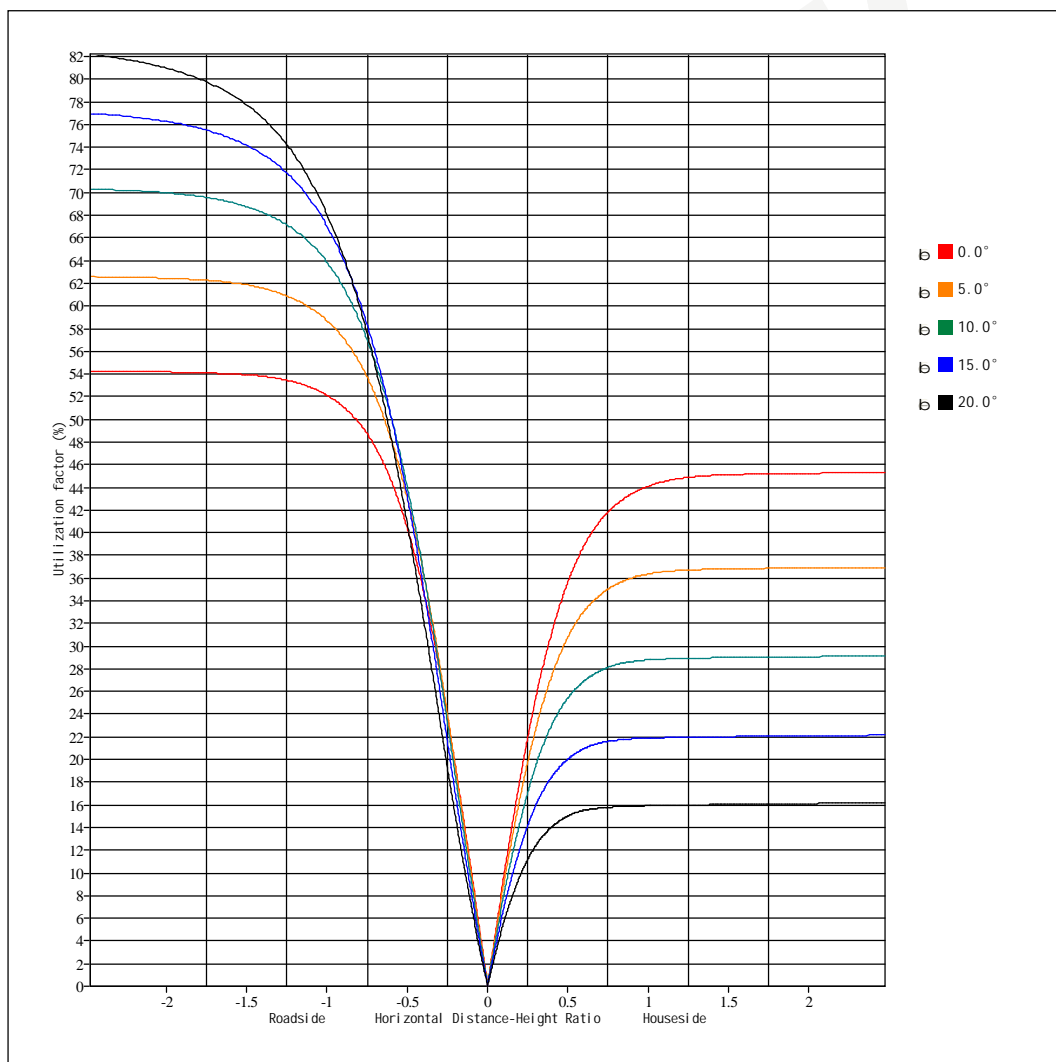
Humi di ty(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.68lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL10G01-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): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

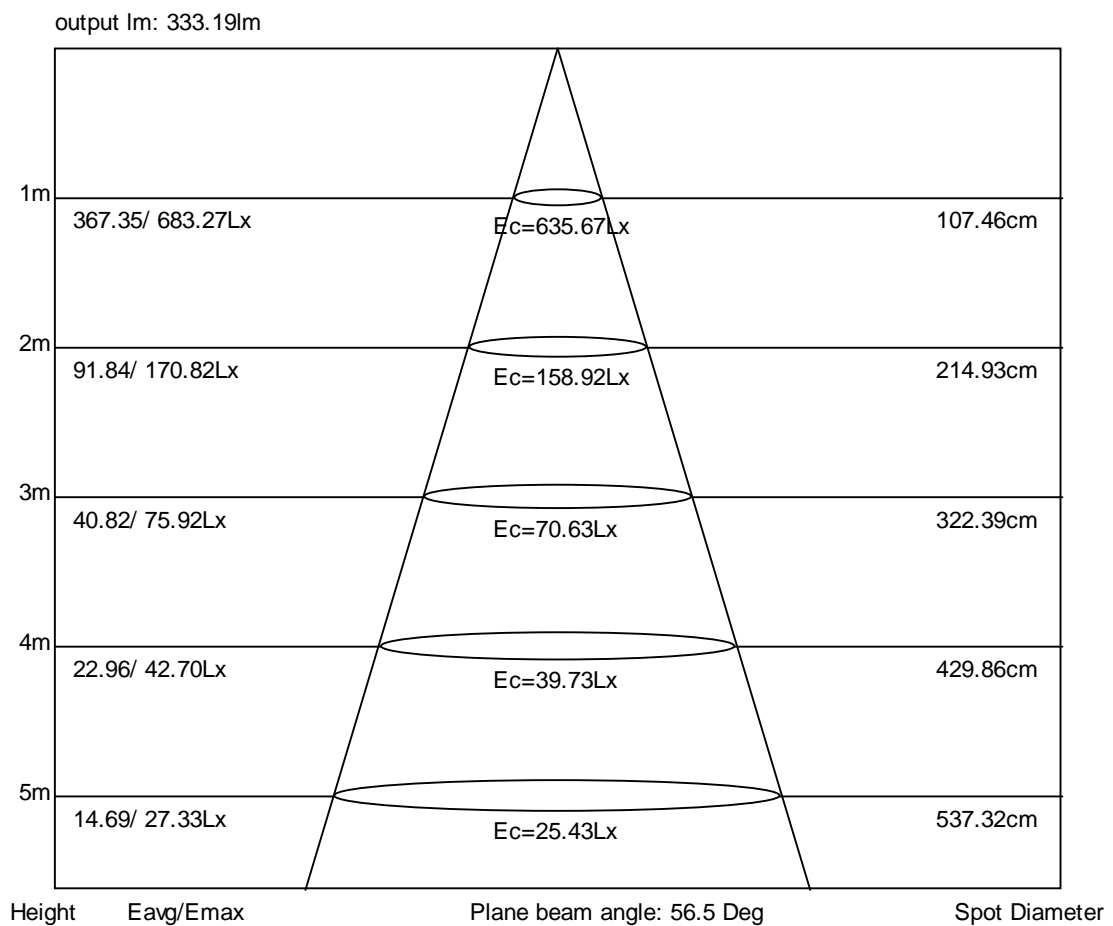
Humi di ty(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.68lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL10G01-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): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humi di ty(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.68lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL10G01-Y	Lamp Spec:	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	576	621	627	647	673	669	624	562	0-5	15.1	15.1
10	502	568	601	659	681	632	577	487	5-10	43.4	58.5
15	413	500	545	647	655	574	513	407	10-15	66.4	125
20	328	411	468	597	612	507	440	329	15-20	81.7	207
25	239	322	388	523	541	429	367	241	20-25	88.3	295
30	150	236	315	432	445	344	298	147	25-30	85.1	380
35	98.4	154	229	354	356	258	203	97.5	30-35	75.4	455
40	61.5	99.9	151	266	267	158	131	56	35-40	60.7	516
45	25.6	56.1	102	173	169	104	84.2	22.5	40-45	44.1	560
50	7.09	21.8	59.3	113	108	60.2	44	6.59	45-50	28.6	589
55	3.37	6.41	23.8	67.6	63.7	23.7	15	3.25	50-55	16.6	605
60	1.81	3.64	6.35	29.2	27.2	6.16	5.33	1.51	55-60	7.9	613
65	1.68	2.15	4.05	8.71	7.25	3.1	3.07	1.65	60-65	3.17	616
70	1.56	1.98	1.7	4.23	3.54	1.62	1.94	1.62	65-70	1.44	618
75	1.64	1.99	1.7	2.12	1.91	1.64	1.97	1.82	70-75	1.07	619
80	1.67	1.93	1.73	2.06	1.87	1.72	1.9	1.79	75-80	0.98	620
85	1.63	1.83	1.67	1.99	1.92	1.82	1.99	1.87	80-85	1	621
90	1.61	1.77	1.76	1.72	1.82	1.79	1.96	1.9	85-90	1	622
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): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2023-12-5

Remark:

Measured Para U: 216.9V I: 75.0mA P: 9.60W PF: 0.591 Test LM: 823.681m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LP-CL10G01-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	576	596	616	623	626	631	640	650	662	673	671	669	654	634	610	582	564	570
10.0	502	531	561	579	594	613	640	661	671	681	660	638	614	589	558	517	489	496
15.0	413	451	491	515	535	567	613	647	651	655	620	583	554	526	489	442	408	410
20.0	328	364	402	429	455	496	555	598	605	612	566	519	485	455	416	365	329	329
25.0	239	276	313	344	373	417	478	525	533	541	492	441	408	380	339	282	241	240
30.0	150	187	226	262	298	341	394	433	439	445	401	355	329	308	265	197	147	149
35.0	98.4	123	148	179	213	257	313	354	355	356	313	269	240	215	180	132	97.6	98
40.0	61.5	78.3	95.7	117	140	177	229	267	267	267	220	170	149	137	114	80.5	56.6	59.1
45.0	25.6	38.9	52.8	71.2	92.1	118	150	173	171	169	140	111	97.2	88.4	70.7	42.7	22.8	24.2
50.0	7.09	13.5	20.2	34.1	51.1	70.9	95	112	110	108	87.1	65.4	54.9	47.6	35.8	18.9	6.64	6.87
55.0	3.37	4.7	6.08	12.1	20	33.4	53.2	67.2	65.4	63.7	46.2	28.1	20.9	16.9	12.4	7.1	3.26	3.32
60.0	1.81	2.61	3.44	4.53	5.76	11.4	21.7	29	28.1	27.2	18	8.46	5.89	5.51	4.49	2.76	1.54	1.68
65.0	1.68	1.89	2.1	2.77	3.63	5.07	7.18	8.55	7.89	7.25	5.43	3.55	3.09	3.08	2.76	2.12	1.65	1.67
70.0	1.56	1.74	1.93	1.89	1.76	2.25	3.4	4.15	3.84	3.54	2.7	1.83	1.73	1.87	1.87	1.73	1.61	1.59
75.0	1.64	1.79	1.95	1.89	1.76	1.79	1.98	2.1	2	1.91	1.79	1.67	1.75	1.9	1.94	1.87	1.8	1.72
80.0	1.67	1.78	1.9	1.86	1.77	1.8	1.95	2.04	1.95	1.87	1.8	1.74	1.78	1.86	1.88	1.83	1.78	1.72
85.0	1.63	1.72	1.81	1.78	1.71	1.74	1.89	1.98	1.95	1.92	1.88	1.83	1.88	1.95	1.96	1.91	1.84	1.74
90.0	1.61	1.68	1.75	1.77	1.76	1.75	1.73	1.73	1.78	1.82	1.81	1.79	1.85	1.92	1.95	1.92	1.87	1.74
95.0																		
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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: zxcg

Date: 2023-12-5

Distance(m): 10.000

Remark:

Test System: ZWL Goniophotometer System V3.0