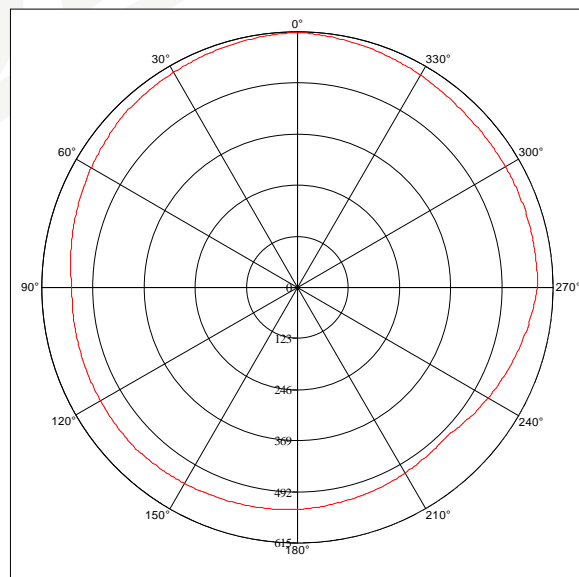
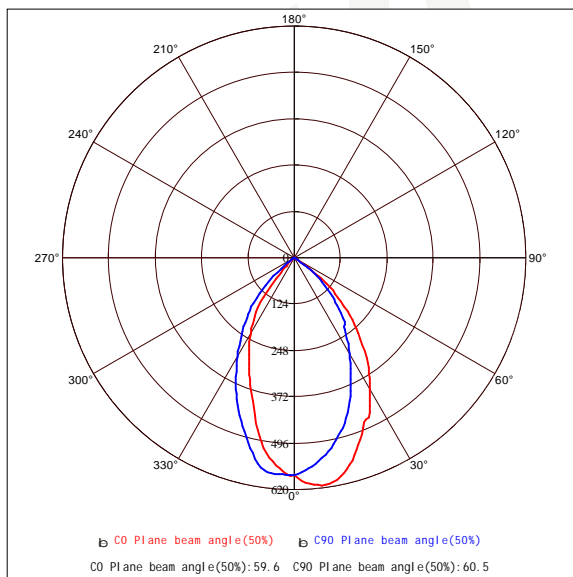


Goniophotometer Test Report

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.48lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LP-CL07G01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LP-CL07G01-Y		Peak Value(cd)	613.7	Efficiency(lm/w)	87.3
Nominal P(w)	1.0		Position	0.0, 7.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	608.48	Down(C0-C180)	54.9
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)	45.1

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

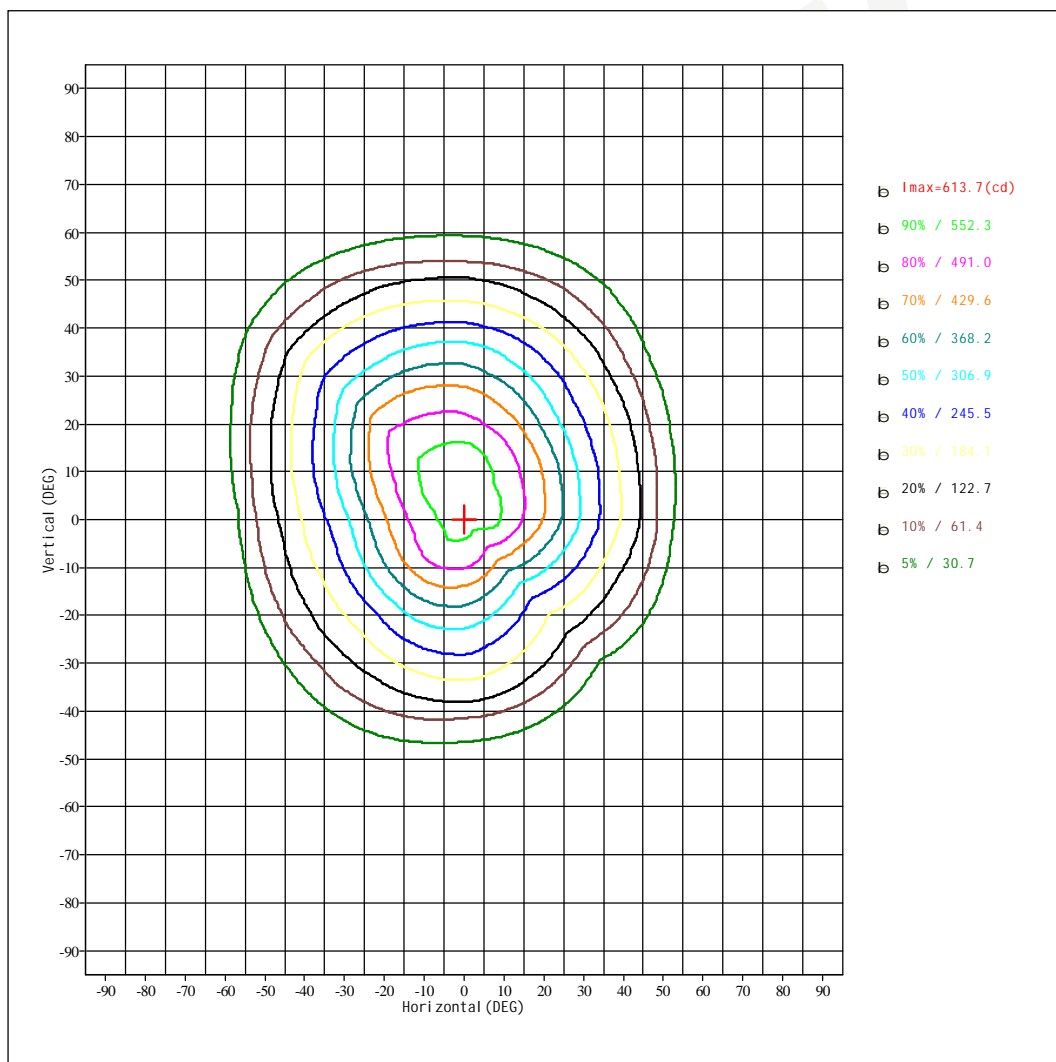
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL07G01-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

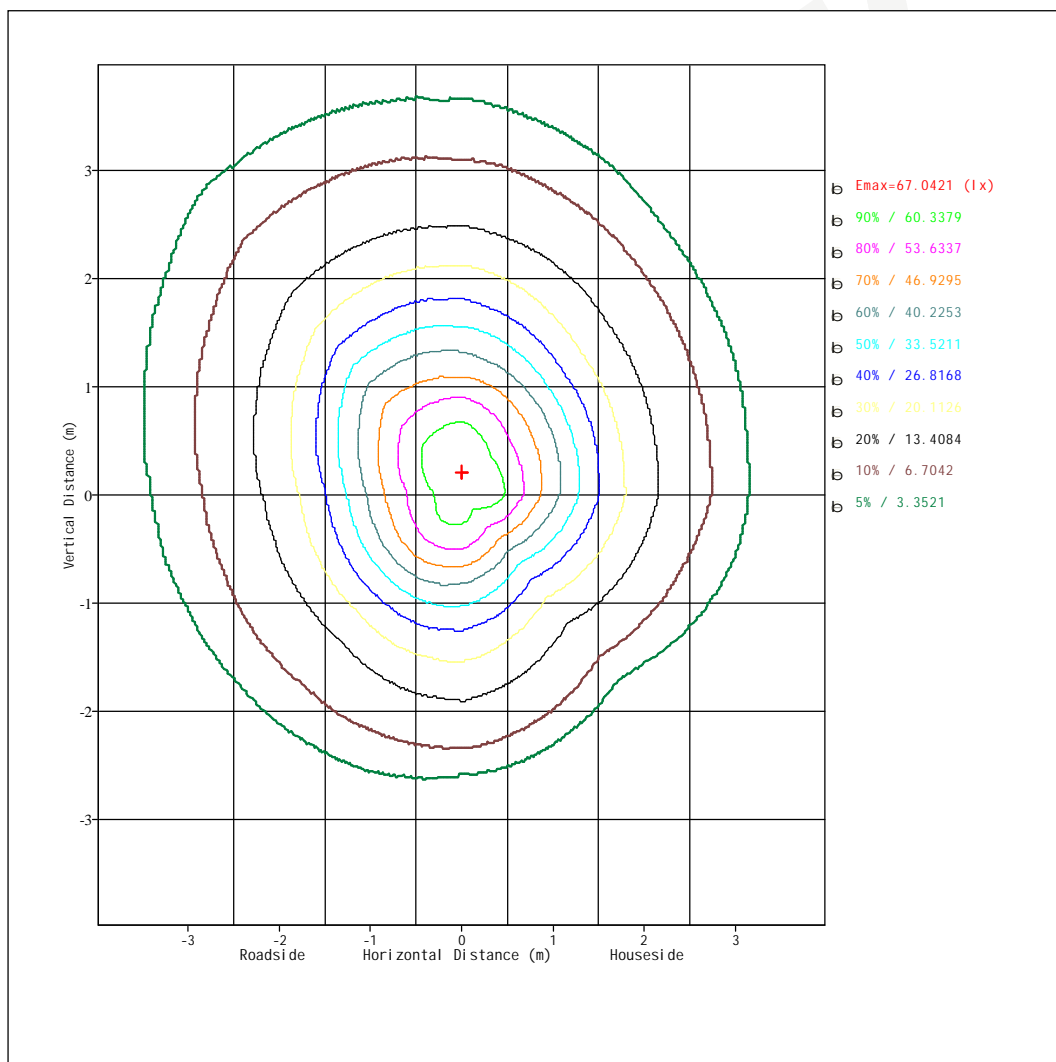
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.481m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL07G01-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: zxg

Distance(m): 10.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

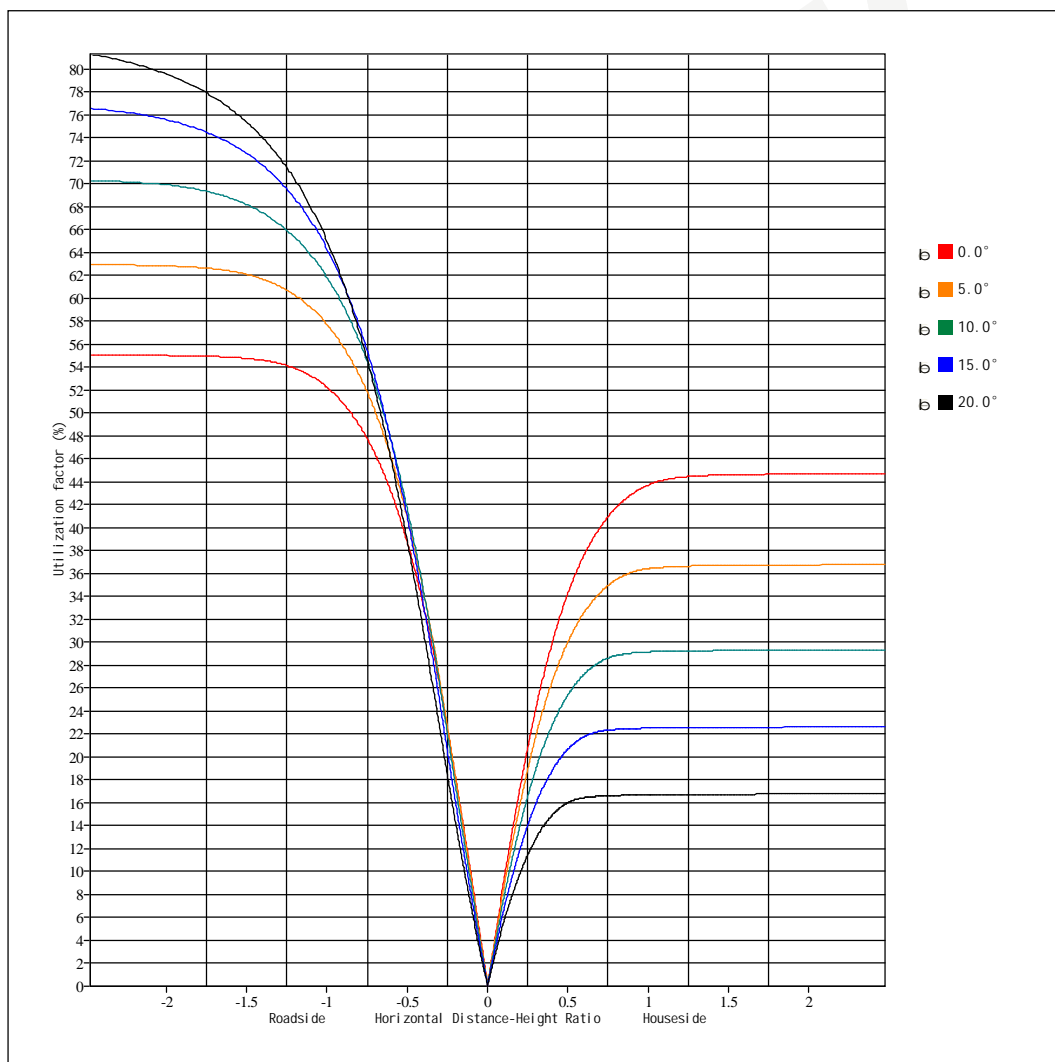
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL07G01-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

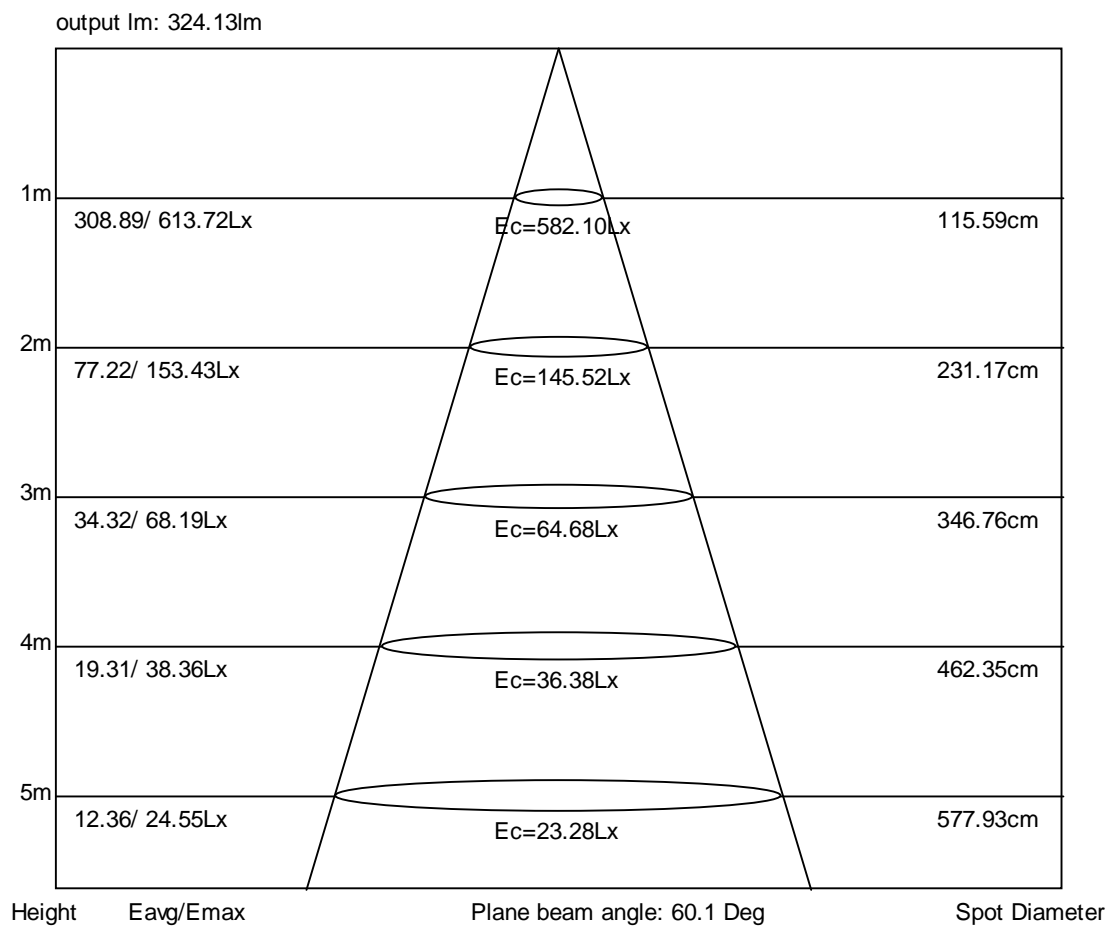
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL07G01-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: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL07G01-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	610	587	556	563	553	531	581	590	0-5	13.8	13.8
10	608	585	523	521	495	458	554	558	5-10	39.7	53.5
15	569	565	477	456	407	368	489	519	10-15	60.3	114
20	511	537	417	372	341	290	430	473	15-20	74.2	188
25	468	506	352	300	280	223	362	398	20-25	81.8	270
30	399	451	290	230	227	169	298	320	25-30	83.2	353
35	340	376	230	173	171	117	235	260	30-35	78.6	432
40	259	302	190	128	85.9	53	179	205	35-40	68.7	500
45	194	242	140	69.4	22.1	10.6	112	139	40-45	53.3	554
50	131	184	84.2	23.1	8.25	3.84	35.7	65.7	45-50	36.5	590
55	37.4	105	24.8	7.91	2.85	1.2	8.89	16.3	50-55	19.8	610
60	12.9	41	6.48	2.81	1.06	0.61	4.08	5.37	55-60	7.48	617
65	5.91	10.8	2.99	0.87	0.97	0.6	1.43	2.53	60-65	2.66	620
70	2.56	4.22	0.6	0.91	0.9	0.73	0.82	0.57	65-70	1.06	621
75	0.77	1.3	0.65	0.89	0.98	0.76	0.8	0.6	70-75	0.59	622
80	0.72	0.87	0.65	0.83	1.01	0.79	0.78	0.56	75-80	0.42	622
85	0.9	0.85	0.63	0.74	0.96	0.76	0.88	0.7	80-85	0.43	623
90	0.74	0.84	0.71	0.72	0.92	0.77	0.86	0.76	85-90	0.44	623
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: 2023-11-7

Remark:

Measured Para U: 216.3V I: 55.4mA P: 6.97W PF: 0.582 Test LM: 608.481m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LP-CL07G01-Y	Lamp Spec:	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	610	600	590	577	563	558	561	562	558	553	544	533	547	570	583	587	592	601
10.0	608	598	588	565	537	523	522	519	506	495	479	462	490	533	555	557	564	586
15.0	569	567	565	536	496	472	463	451	428	407	390	372	408	463	496	509	524	547
20.0	511	523	534	498	443	407	387	369	354	341	318	295	336	399	439	459	478	495
25.0	468	485	502	456	386	340	317	298	289	280	255	229	268	331	370	386	406	437
30.0	399	422	445	398	326	277	250	230	229	227	202	175	211	270	303	313	329	364
35.0	340	356	372	328	262	217	191	173	172	171	148	123	156	209	240	252	268	305
40.0	259	278	297	265	214	176	148	123	104	85.9	71.5	56.6	94.5	152	185	197	211	235
45.0	194	215	237	209	162	124	92.5	64.3	42.8	22.1	17.1	11.9	43.8	89.5	118	130	145	170
50.0	131	154	179	152	106	70.8	43.2	21.5	14.8	8.25	6.32	4.32	14.3	28.8	42.3	55.9	72.9	102
55.0	37.4	67	97.6	78.7	42.4	21.1	13.5	7.36	5.06	2.85	2.13	1.38	3.72	7.21	10.5	13.9	18.6	28.2
60.0	12.9	25.1	37.9	29.6	14	5.68	4.01	2.62	1.83	1.06	0.86	0.66	1.75	3.32	4.36	4.95	6.19	9.58
65.0	5.91	8.04	10.2	8.22	4.69	2.53	1.57	0.88	0.93	0.97	0.81	0.64	0.87	1.25	1.67	2.17	2.9	4.43
70.0	2.56	3.29	4.04	3.03	1.39	0.67	0.81	0.91	0.9	0.9	0.83	0.75	0.76	0.8	0.77	0.65	0.79	1.69
75.0	0.77	1	1.24	1.09	0.79	0.7	0.81	0.9	0.94	0.98	0.88	0.78	0.77	0.79	0.76	0.67	0.62	0.7
80.0	0.72	0.79	0.85	0.8	0.7	0.69	0.77	0.85	0.93	1.01	0.91	0.81	0.79	0.78	0.73	0.63	0.58	0.65
85.0	0.9	0.88	0.86	0.78	0.68	0.65	0.7	0.76	0.86	0.96	0.87	0.78	0.8	0.85	0.84	0.76	0.72	0.81
90.0	0.74	0.78	0.83	0.8	0.74	0.71	0.72	0.74	0.83	0.92	0.85	0.79	0.8	0.84	0.84	0.79	0.76	0.75
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
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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

Humidity(%): 60

Tester: zxcg

Date: 2023-11-7

Distance(m): 10.000

Remark:

Test System: ZWL Goniophotometer System V3.0