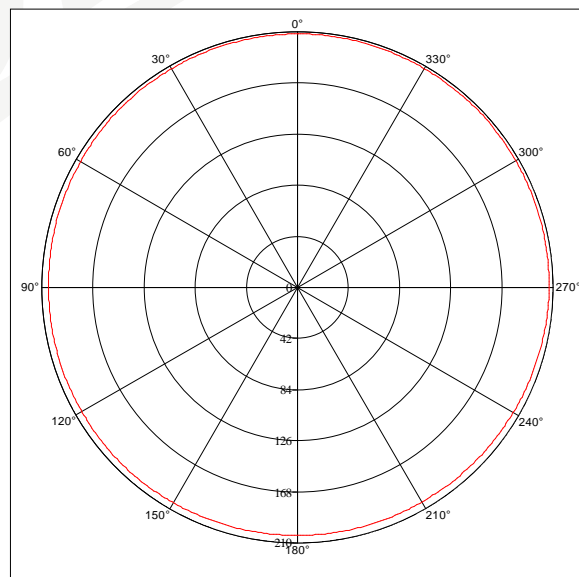
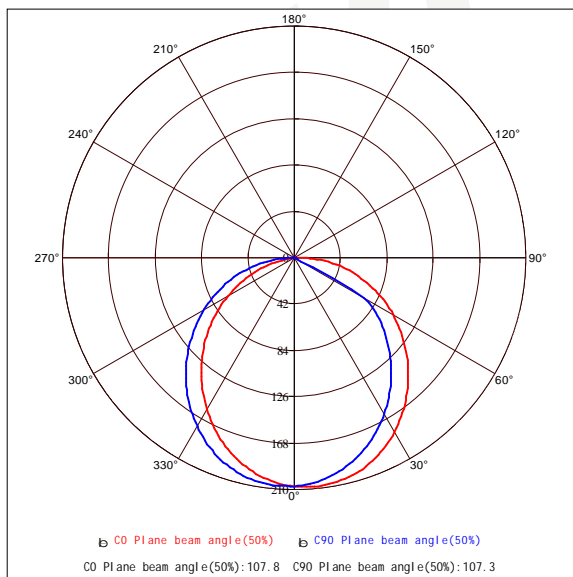


### Goniophotometer Test Report

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.88lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPDL-07AS01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m <sup>2</sup> ):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-07AS01-Y		Peak Value(cd)	208.3	Efficiency(lm/w)	89.0
Nominal P(w)	1.0		Position	0.0, 5.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	615.88	Down(C0-C180)	48.0
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)	52.0

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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

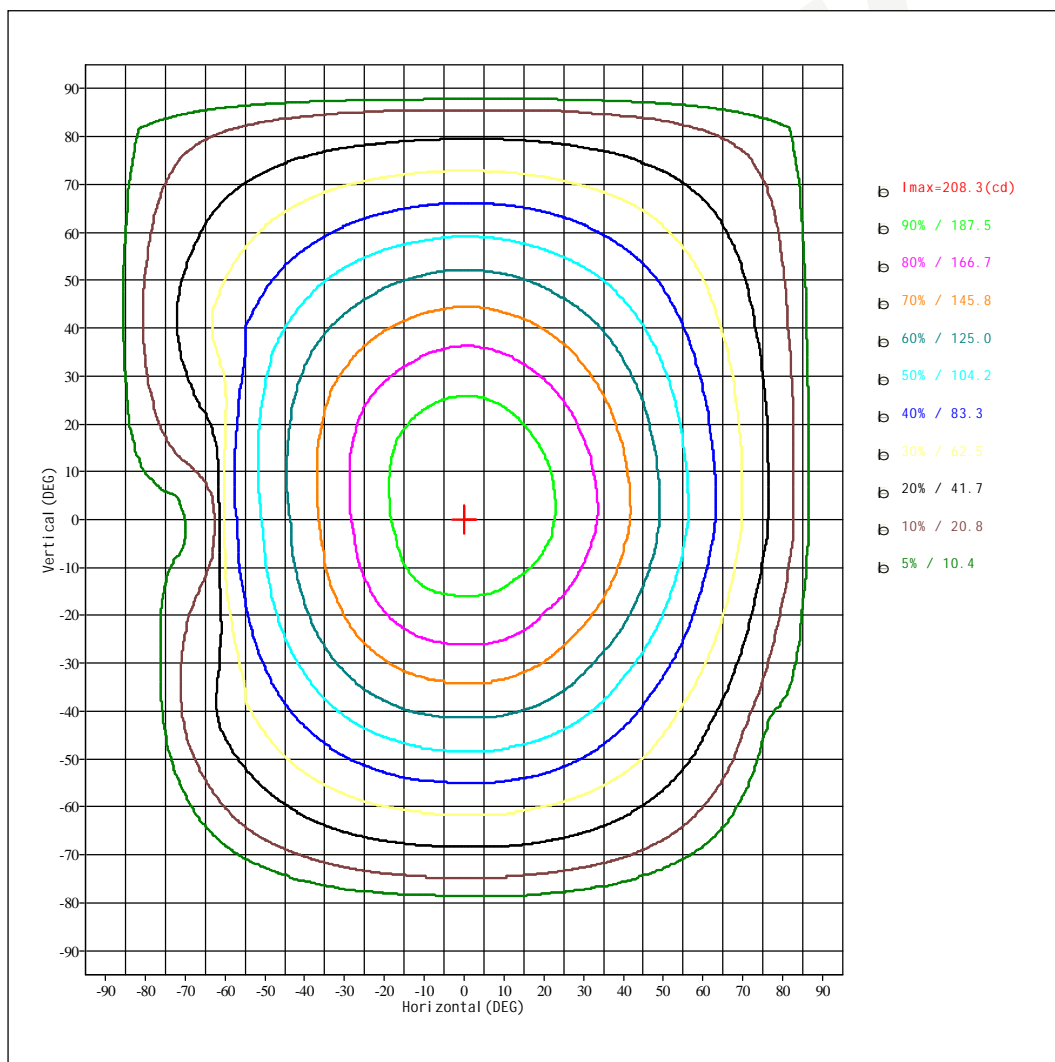
Humi dity(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.88lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-07AS01-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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

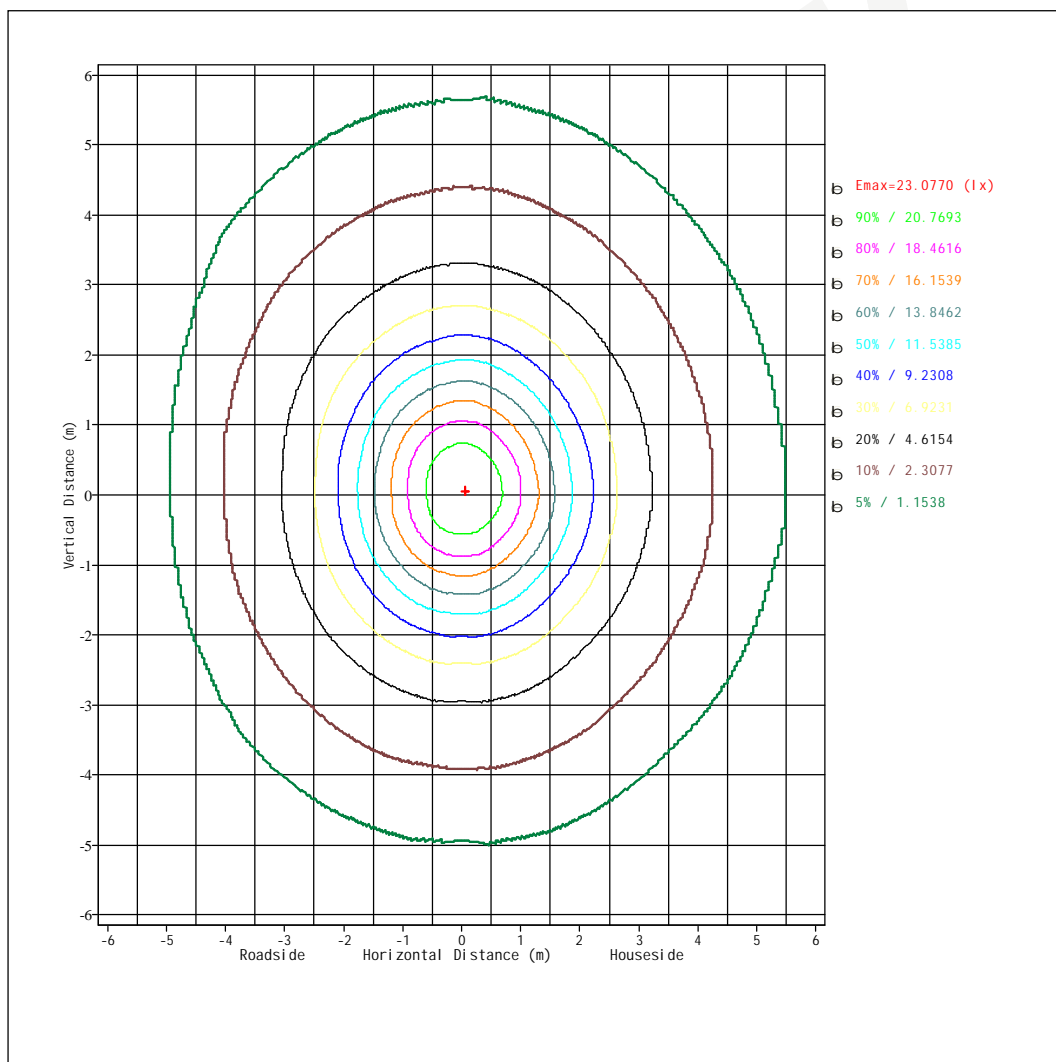
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.881m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-07AS01-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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

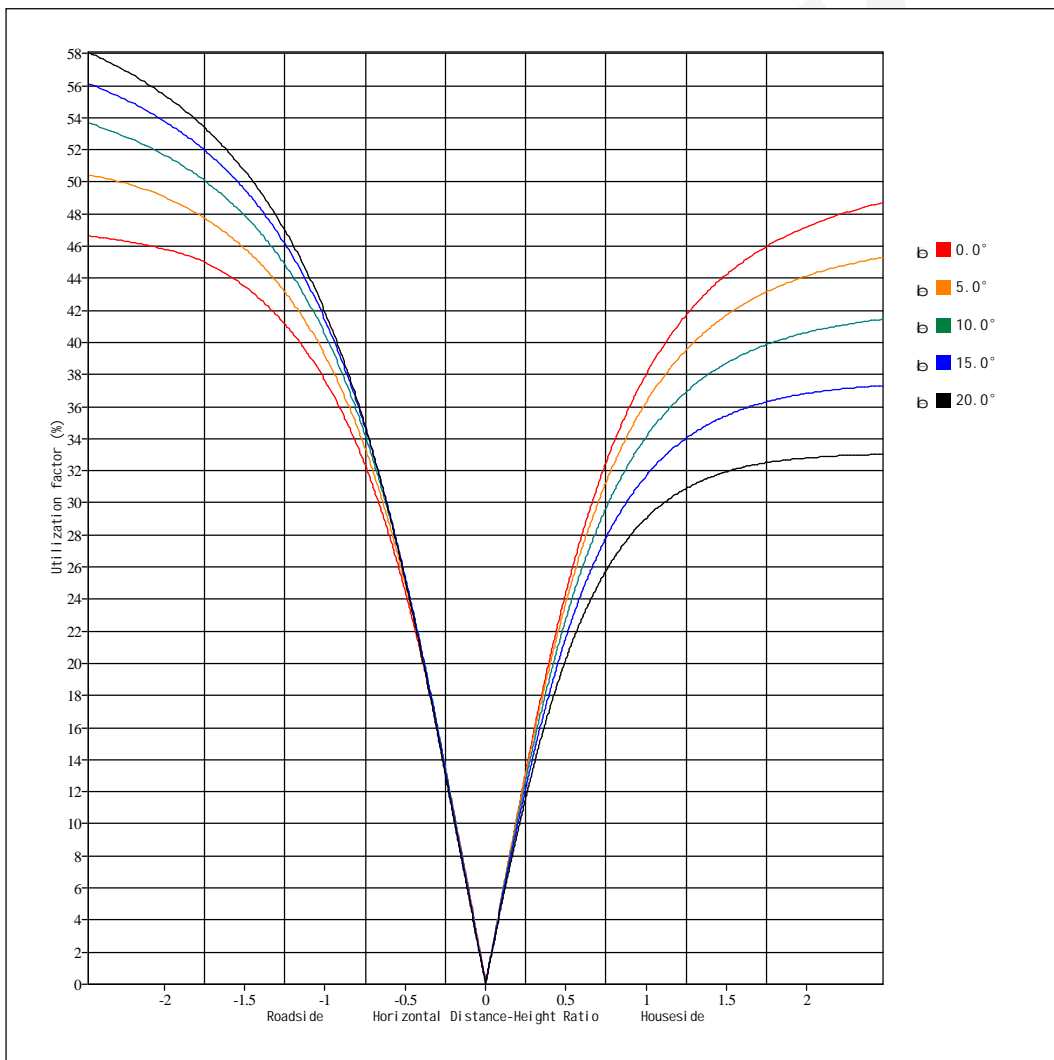
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.88lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-07AS01-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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

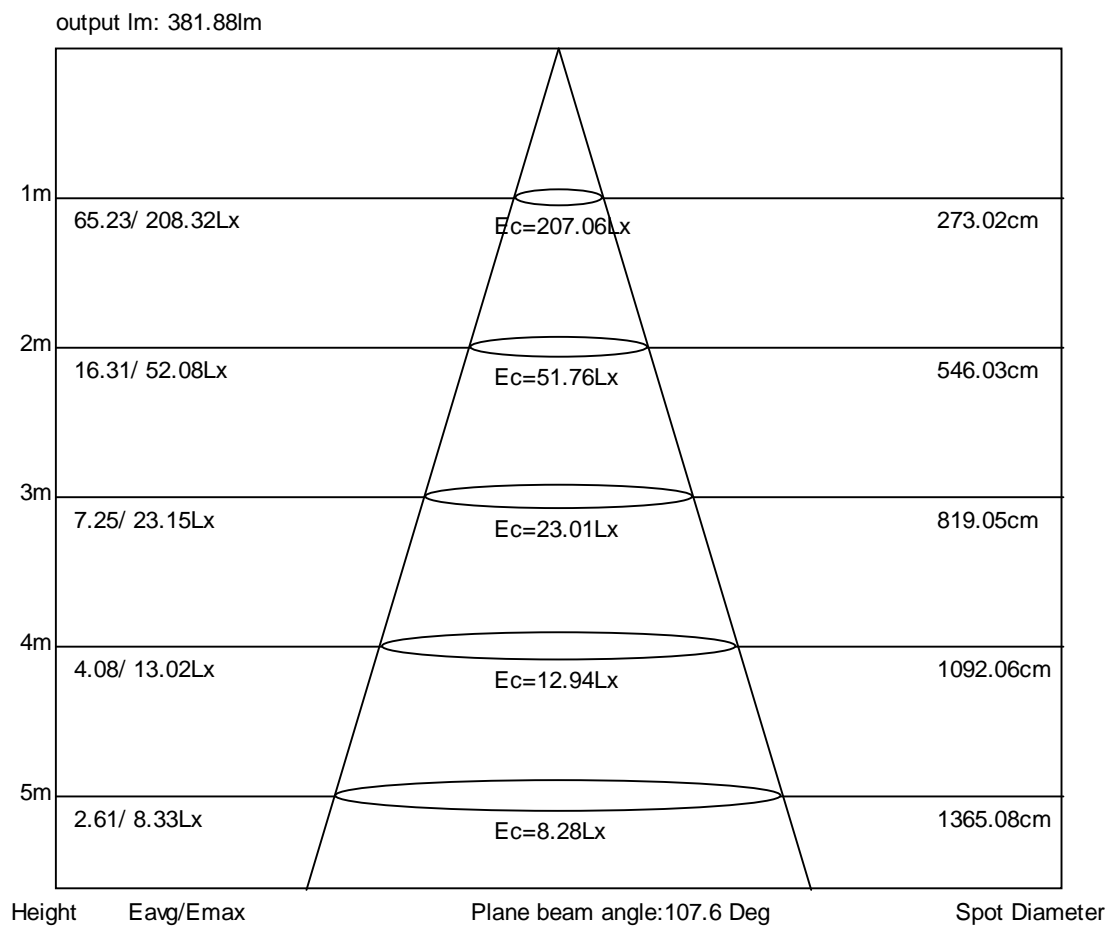
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.88lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-07AS01-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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.88lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-07AS01-Y	Lamp Spec:	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	208	207	204	205	204	204	207	208	0-5	4.94	4.94
10	207	205	200	200	198	199	205	206	5-10	14.6	19.6
15	204	200	193	193	191	193	200	202	10-15	23.7	43.2
20	198	194	184	183	181	184	194	195	15-20	31.8	75
25	190	186	174	173	170	173	185	187	20-25	38.7	114
30	181	176	162	160	157	161	175	177	25-30	44.1	158
35	170	164	149	147	143	148	164	165	30-35	47.8	206
40	158	151	135	133	129	134	151	153	35-40	49.9	256
45	145	138	121	118	114	119	137	139	40-45	50.3	306
50	132	124	106	103	98.8	104	123	125	45-50	49.1	355
55	117	110	90.5	87.2	83.2	87.9	108	110	50-55	46.4	401
60	102	94.9	68.1	71.6	67.5	72	92.9	95.4	55-60	42.3	444
65	87.1	79.8	3.17	55.9	52.1	56.1	77.4	80	60-65	34.5	478
70	71.8	64.6	3.26	40.3	36.5	40.8	62.1	64.7	65-70	27.7	506
75	56.4	49.4	2.3	23.2	19.6	22.9	46.4	49.2	70-75	21.4	527
80	40.9	32.9	1.37	7.46	4.58	7.43	30.6	32.5	75-80	14.2	542
85	22.8	14.9	0.79	1.16	1.78	1.5	13.4	15.3	80-85	7.43	549
90	10.5	1.76	0.83	0.98	1.7	1.6	1.85	6.67	85-90	2.98	552
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): 9.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.4V I: 49.0mA P: 6.92W PF: 0.586 Test LM: 615.881m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-07AS01-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	208	208	207	206	205	204	205	205	204	204	204	204	205	206	207	208	208	208
10.0	207	206	205	203	201	200	200	200	199	198	199	199	201	204	205	206	206	207
15.0	204	202	201	198	194	193	193	192	191	191	191	192	195	199	201	201	202	203
20.0	198	196	195	191	186	184	184	183	182	181	182	183	187	192	194	195	195	197
25.0	190	188	186	182	176	174	173	172	171	170	171	173	177	183	186	187	187	189
30.0	181	179	176	171	165	162	161	160	158	157	159	161	166	172	175	176	177	179
35.0	170	168	165	159	152	149	148	147	145	143	145	147	153	160	164	165	166	168
40.0	158	155	152	146	139	135	134	132	131	129	131	133	139	147	151	152	153	156
45.0	145	142	139	132	125	120	119	118	116	114	116	118	125	133	138	139	140	143
50.0	132	128	125	118	110	105	104	102	101	98.8	101	103	110	119	123	124	126	129
55.0	117	114	111	104	94.8	89.8	88.3	86.8	85	83.2	85.2	87.3	94.5	104	109	110	111	114
60.0	102	99.1	95.7	86.1	74	68.9	70.4	71.1	69.3	67.5	69.4	71.5	78.8	88.3	93.4	94.6	96.2	99.3
65.0	87.1	83.9	80.6	54.7	19.9	14.7	38.6	55.5	53.8	52.1	53.8	55.6	63.1	72.7	78	79.1	80.8	84
70.0	71.8	68.7	65.4	44.5	16.7	11.4	28.2	39.9	38.2	36.5	38.4	40.3	47.8	57.4	62.7	63.9	65.5	68.7
75.0	56.4	53.3	50.2	33.9	12.6	6.88	16.4	22.8	21.2	19.6	21	22.6	30.6	41.3	47	48.3	50	53.3
80.0	40.9	37.4	33.8	22.6	8.28	2.7	5.46	7.14	5.84	4.58	5.82	7.12	15	25.5	31	31.9	33.4	37.2
85.0	22.8	19.3	15.8	10.3	3.88	0.87	1.04	1.23	1.51	1.78	1.66	1.53	5.4	10.8	13.8	14.7	16.1	19.5
90.0	10.5	6.69	2.72	1.45	1.04	0.87	0.93	1.06	1.39	1.7	1.66	1.61	1.68	1.79	2.9	5.09	7.1	8.84
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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: 2023-11-10

Distance(m): 9.000

Remark:

Test System: ZWL Goniophotometer System V3.0