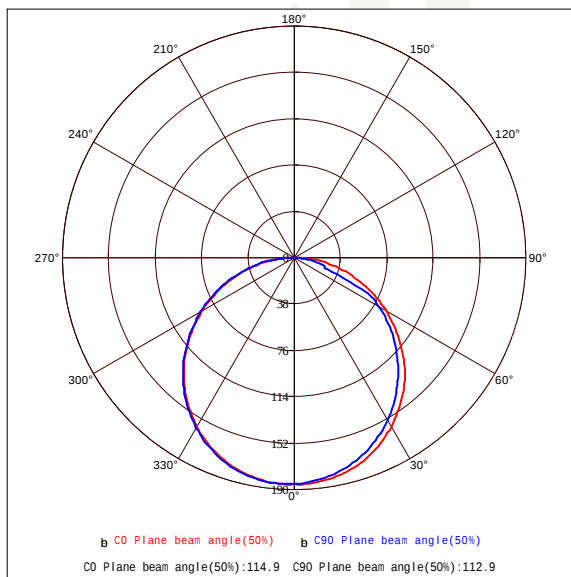


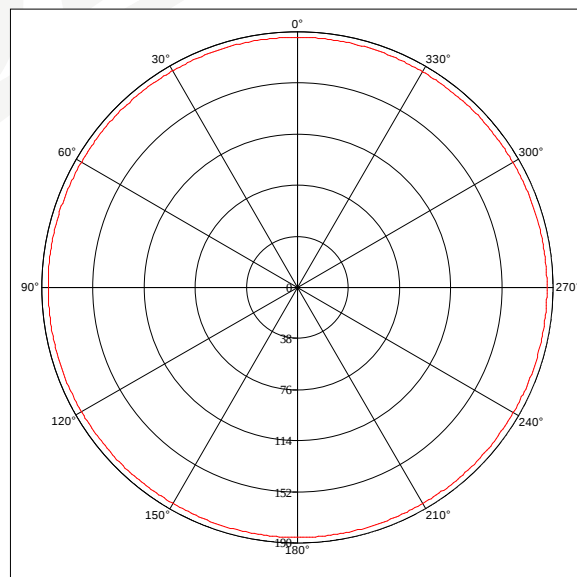
Goniophotometer Test Report

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm						
Lamp Name: LED STEP LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPWL-07AS01-Y			Lamp Spec: LPWL-07A01-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPWL-07A01-Y		Peak Value(cd)	186.1	Efficiency(lm/w)	89.8
Nominal P(w)		1.0	Position	0.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	610.64	Down(C0-C180)	50.0
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)	50.0

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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

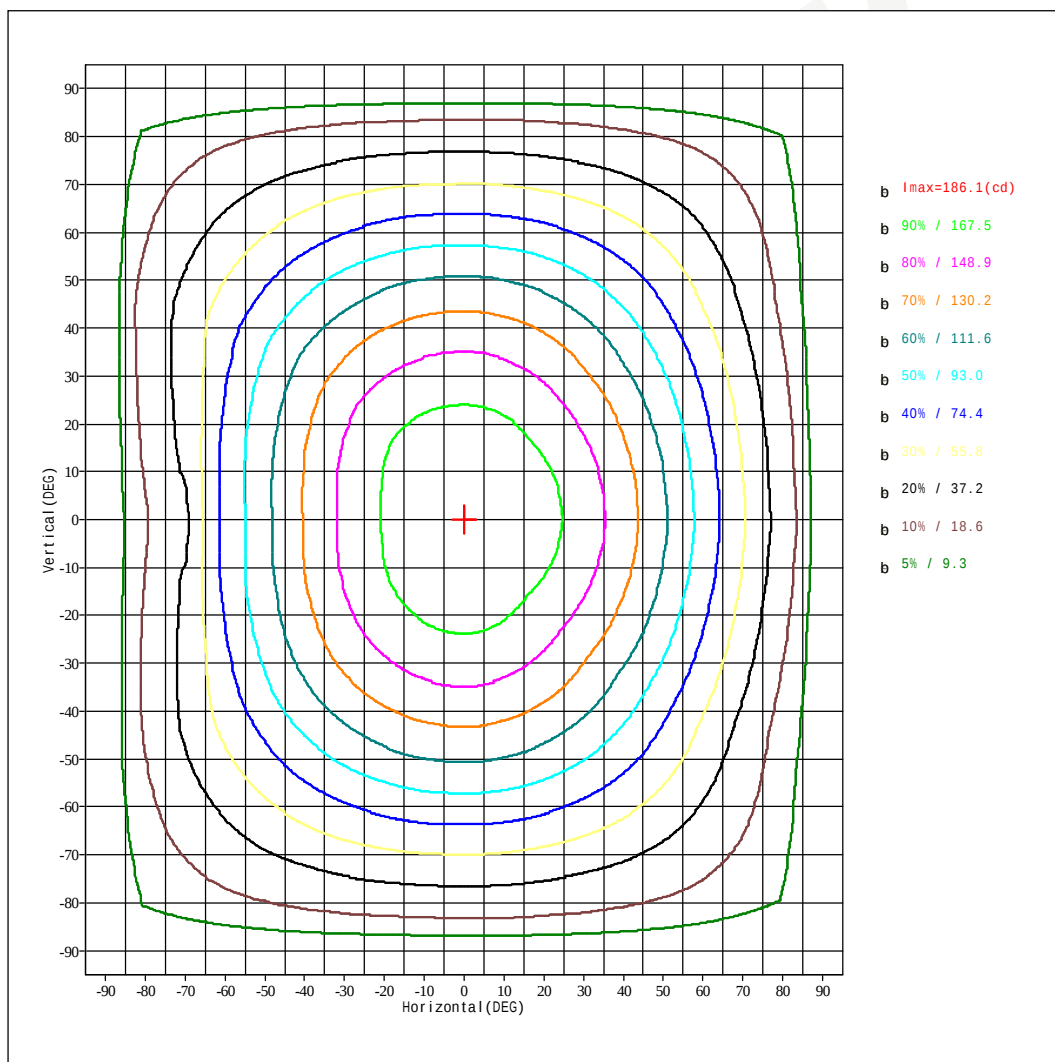
Humidity(%): 60

Date: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-Y	Shape Size:
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: zxc

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

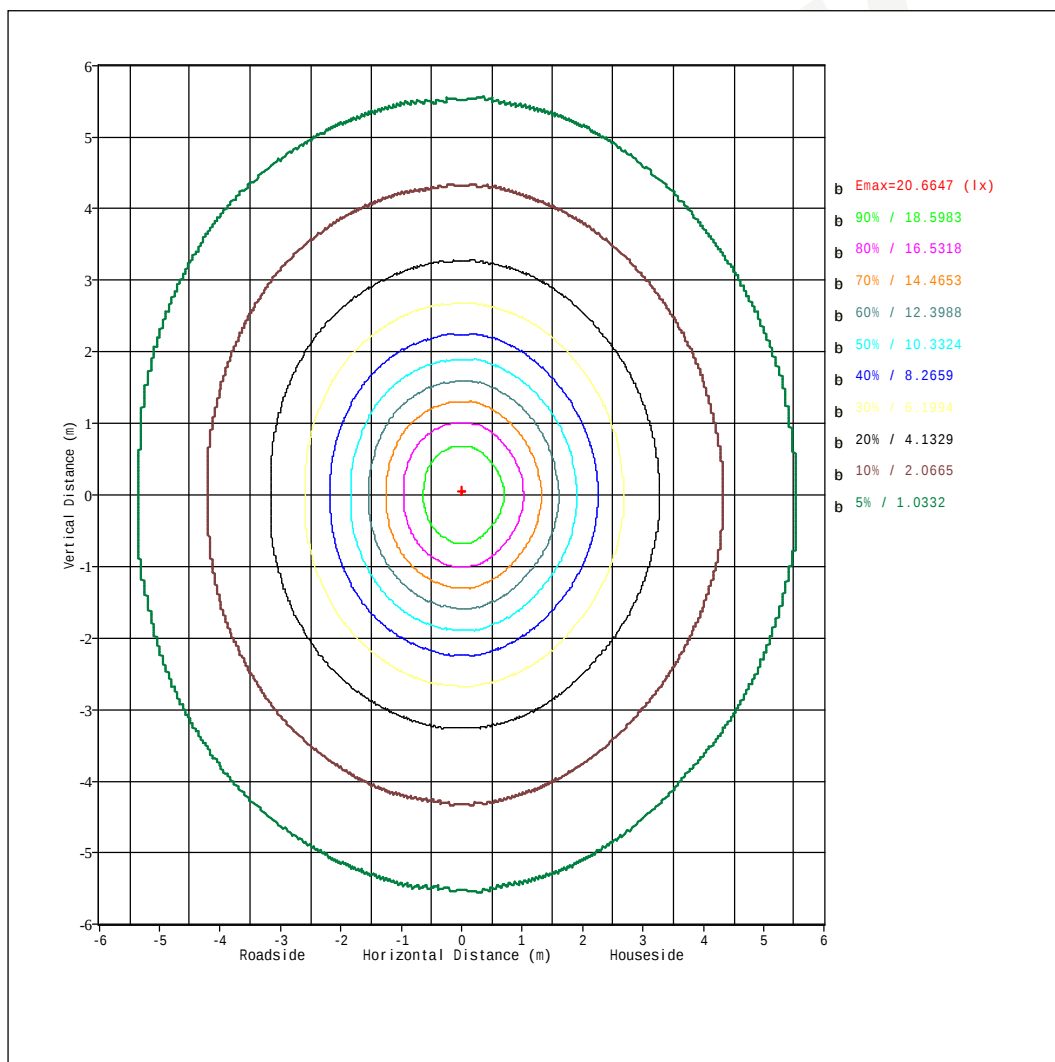
Humidity(%): 60

Date: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-Y	Shape Size:
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: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

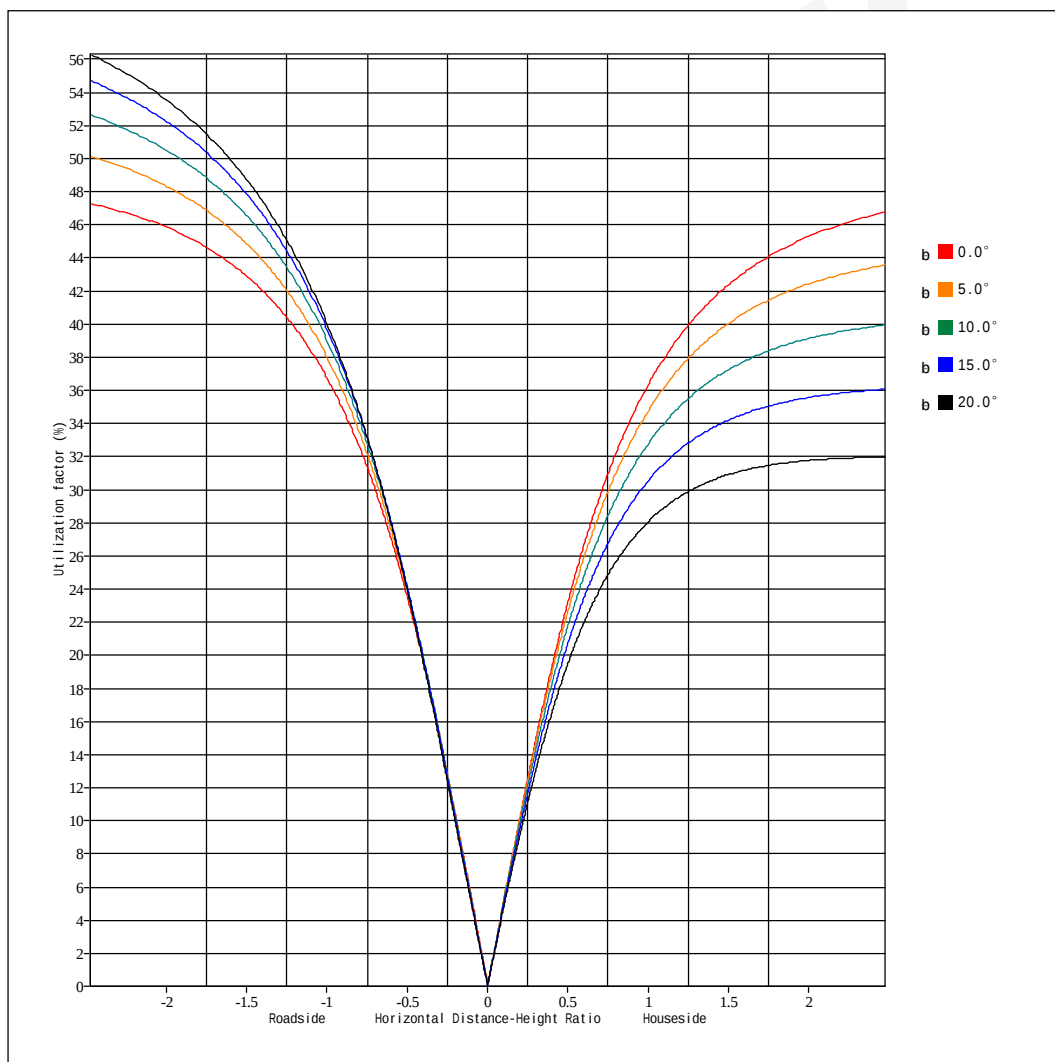
Humidity(%): 60

Date: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-Y	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Utilization Coefficient



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

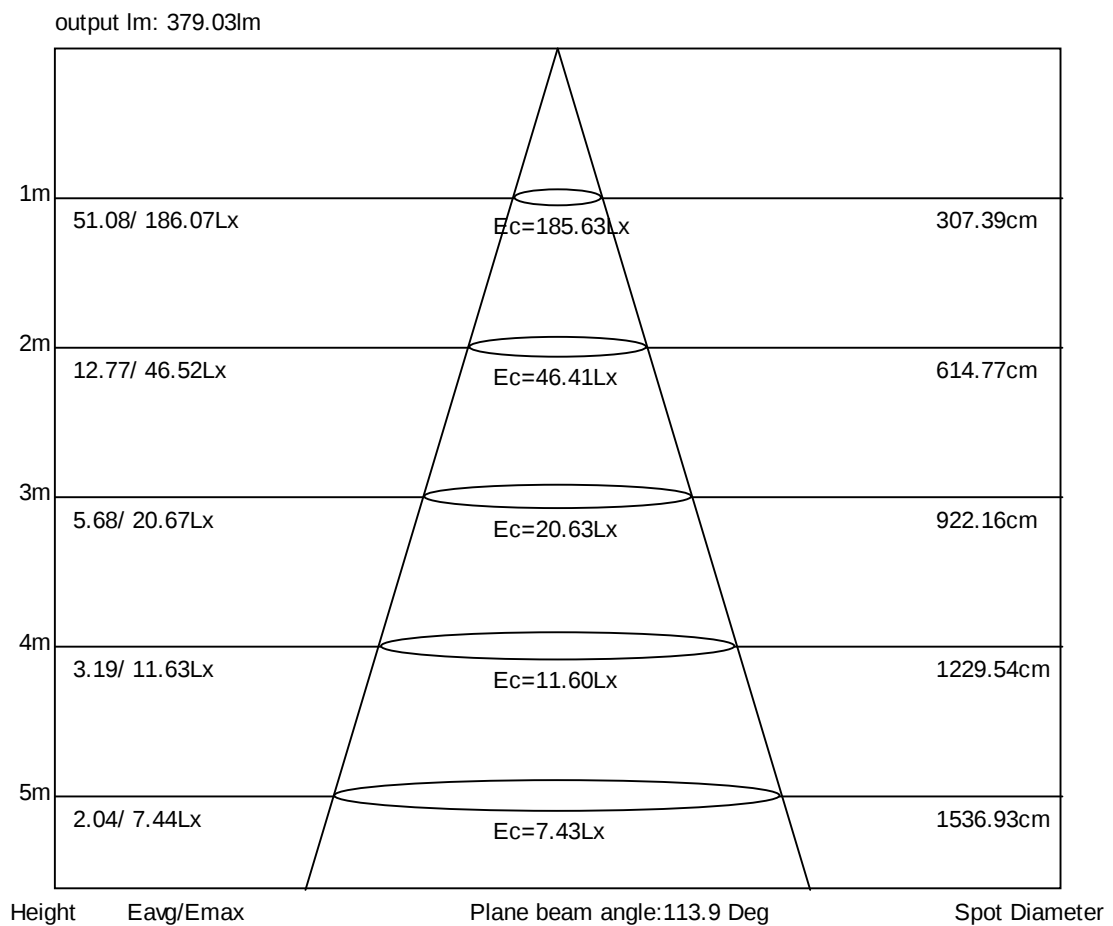
Humidity(%): 60

Date: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-Y	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



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: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-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	185	185	184	184	185	185	185	184	0-5	4.43	4.43
10	183	183	180	182	183	182	184	182	5-10	13.1	17.6
15	179	179	176	178	179	177	180	178	10-15	21.4	39
20	174	174	169	172	174	171	175	172	15-20	28.9	67.9
25	167	167	162	165	167	164	168	166	20-25	35.5	103
30	159	159	153	157	159	155	160	157	25-30	40.9	144
35	149	150	142	147	149	144	151	147	30-35	44.9	189
40	139	139	131	136	138	133	140	136	35-40	47.4	237
45	127	128	119	125	127	121	128	124	40-45	48.4	285
50	114	116	106	112	114	108	115	111	45-50	47.8	333
55	100	103	92.6	99	99.8	93.6	101	97.4	50-55	45.7	378
60	85.7	88.6	78.6	84.8	85.5	78.6	87	82.6	55-60	42.1	421
65	71.1	74.4	58.4	70.4	70.7	63.5	72.6	67.6	60-65	37.1	458
70	56.5	59.9	31.1	55.8	56	48.1	57.9	52.6	65-70	30.5	488
75	42.1	45.6	25.9	41.3	41.4	33.2	43.2	37.7	70-75	23.6	512
80	28.2	31.6	16.2	27.4	27.4	18.7	28.9	23	75-80	17.1	529
85	14.6	18.4	7.02	13.8	13.7	4.98	14.2	9.01	80-85	10.1	539
90	5.31	4.59	2.13	1.94	1.98	2.01	1.97	2.06	85-90	3.56	543
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: 2023-10-11

Remark:

Measured Para U: 220.3V I: 49.8mA P: 6.80W PF: 0.620 Test LM: 610.64lm		
Lamp Name: LED STEP LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPWL-07A01-Y	Lamp Spec: LPWL-07A01-Y	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	185	185	185	185	184	184	184	185	185	185	185	185	185	185	185	185	185	185
10.0	183	183	183	182	181	181	181	182	182	183	182	182	182	183	183	183	182	183
15.0	179	179	179	178	176	176	177	178	179	179	178	177	178	180	180	179	178	179
20.0	174	174	174	172	170	170	171	172	173	174	173	171	172	174	175	173	173	173
25.0	167	167	167	165	163	162	164	165	166	167	166	164	165	167	168	167	166	166
30.0	159	159	159	157	154	153	155	157	158	159	157	155	156	159	159	158	157	158
35.0	149	150	150	147	144	143	145	147	148	149	147	145	146	149	150	148	147	148
40.0	139	139	139	137	133	132	135	136	138	138	136	134	135	138	139	137	136	138
45.0	127	127	128	125	121	120	123	125	126	127	124	121	123	126	127	125	125	126
50.0	114	115	115	112	108	107	110	112	113	114	111	108	110	113	114	113	112	113
55.0	100	101	102	99.3	94.8	94	96.9	99.1	99.4	99.8	97.1	94.3	96.1	99.6	100	98.7	97.7	98.9
60.0	85.7	87	88.3	85.3	80.8	80	82.8	84.9	85.2	85.5	82.5	79.4	81.4	85.2	86	84	82.9	84.3
65.0	71.1	72.5	74	69.1	61.9	61	66.5	70.5	70.6	70.7	67.5	64.3	66.5	70.6	71.5	69.2	68	69.5
70.0	56.5	58	59.5	50.5	37.4	36.5	47.7	55.8	55.9	56	52.5	49	51.3	55.8	56.7	54.3	53	54.8
75.0	42.1	43.6	45.2	39.1	30.2	29.3	36.3	41.3	41.4	41.4	37.8	34.1	36.5	41	42	39.5	38.2	40.2
80.0	28.2	29.7	31.2	26.6	19.6	18.7	23.7	27.4	27.4	27.4	23.6	19.6	22	26.7	27.6	25	23.6	25.9
85.0	14.6	16.2	18	14.6	9.51	8.51	11.6	13.8	13.8	13.7	9.9	5.94	8.01	12.2	13.1	10.7	9.62	12.1
90.0	5.31	4.99	4.67	3.78	2.67	2.08	2	1.94	1.96	1.98	2	2.01	2	1.98	1.99	2.03	2.41	3.89
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)

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: 2023-10-11

Remark: