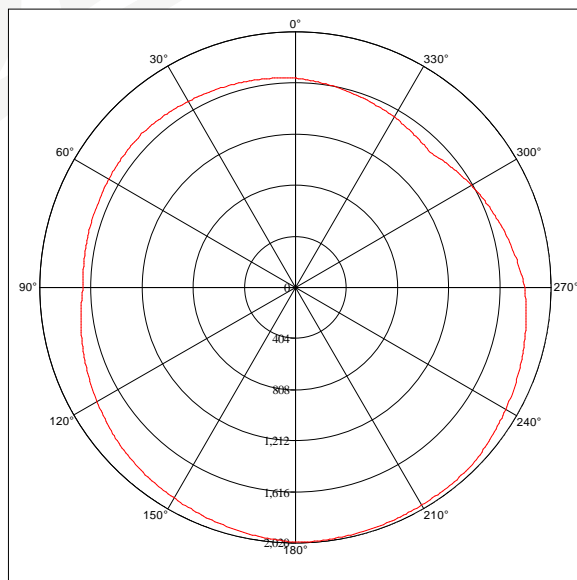
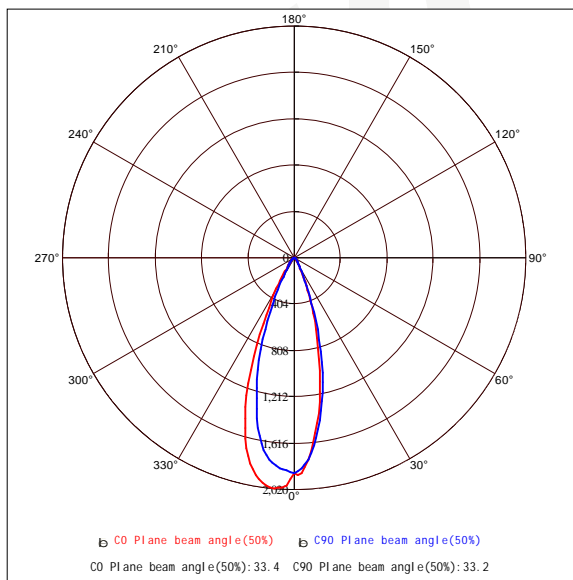


Goniophotometer Test Report

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.48lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPDL-10A-Y		Lamp Spec: LPDL-10A-Y		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-10A-Y		Peak Value(cd)	2015.6	Efficiency(lm/w)	81.7
Nominal P(w)	1.0		Position	180.0, 5.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	743.477	Down(C0-C180)	49.5
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)	50.5

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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

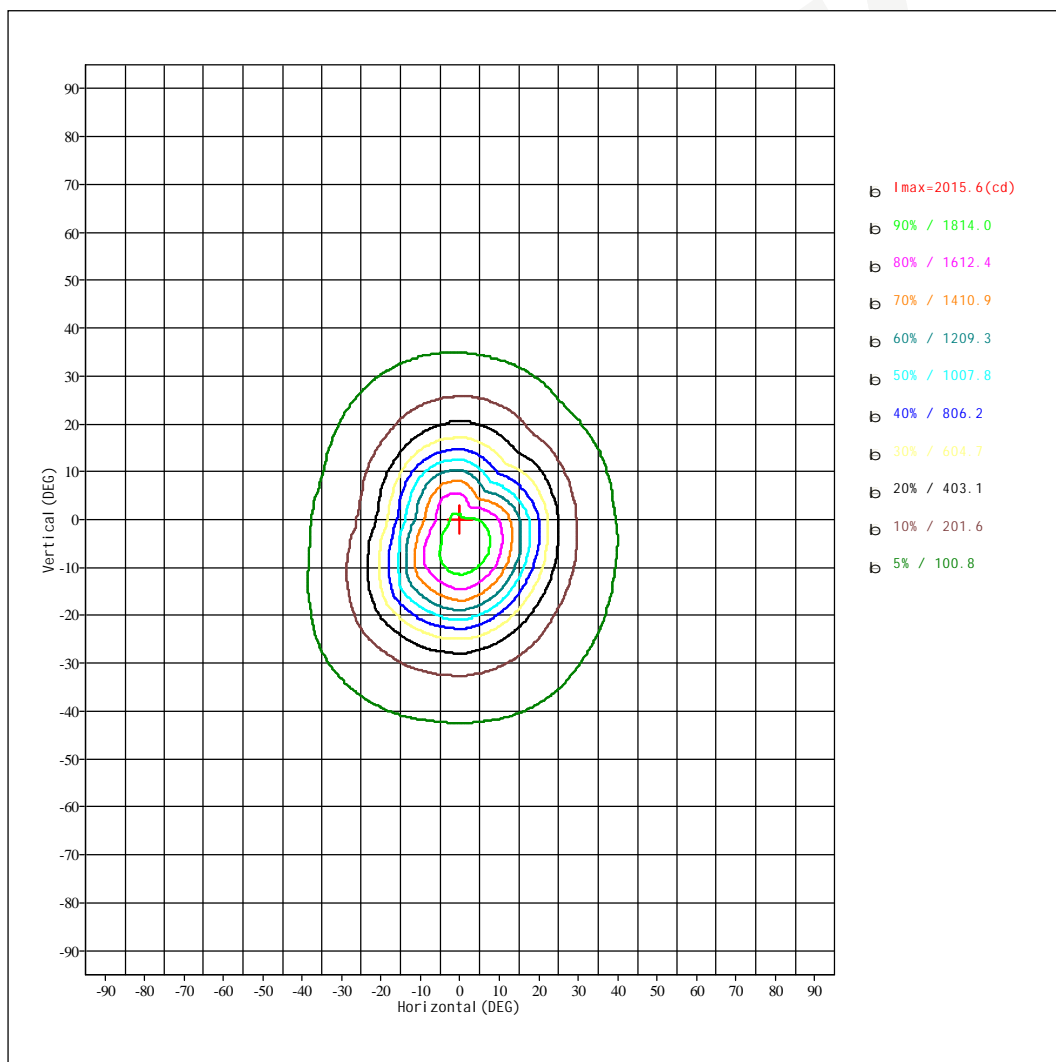
Humi dity(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-10A-Y	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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

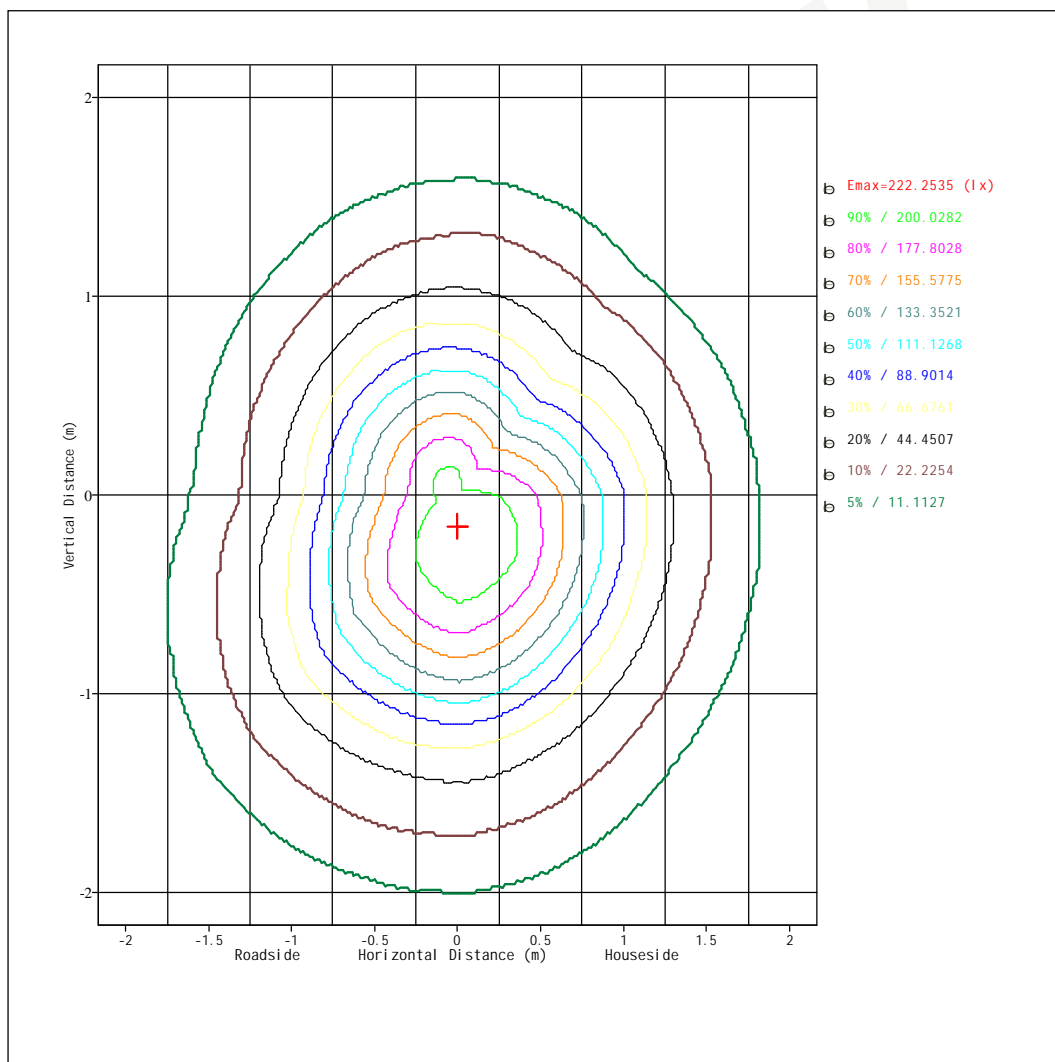
Humi di ty(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.481m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-10A-Y	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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

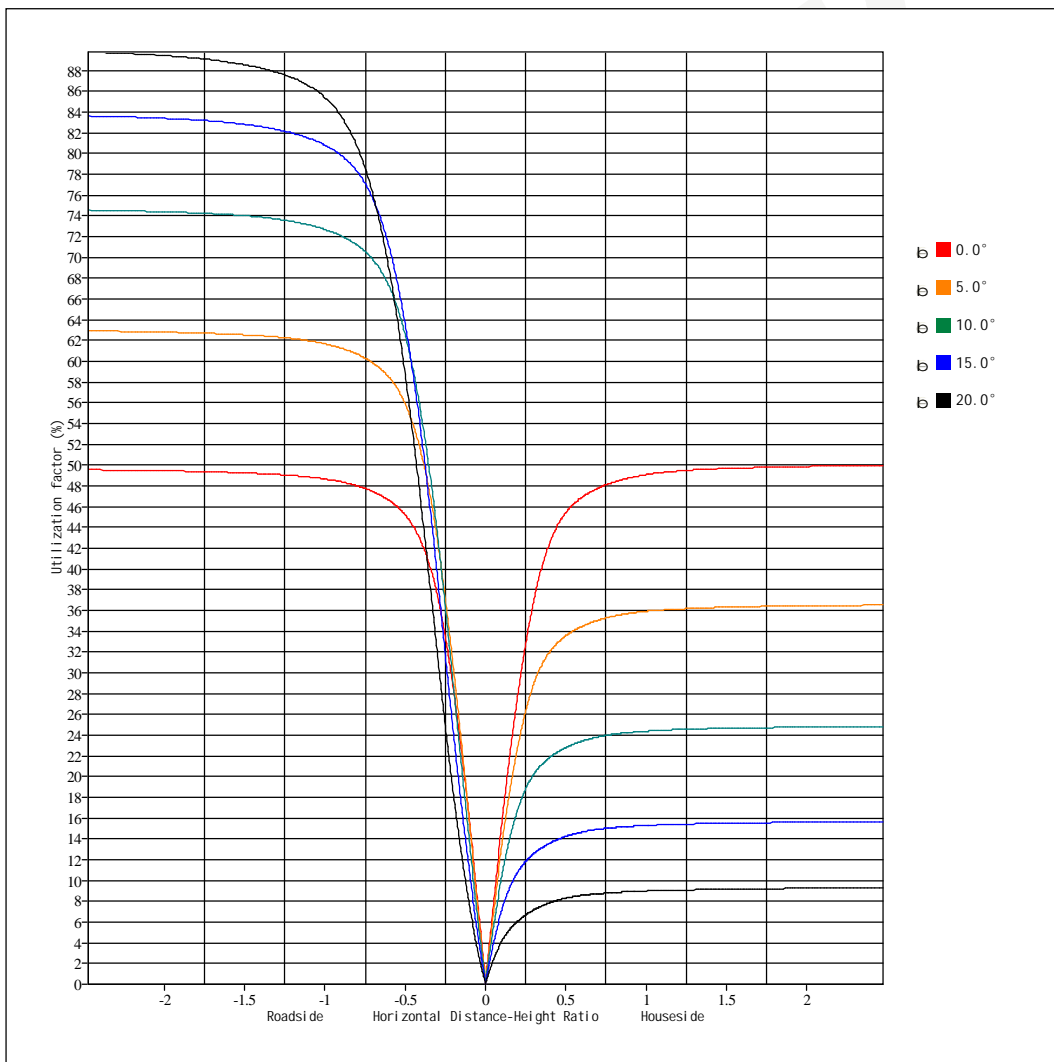
Humi di ty(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-10A-Y	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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

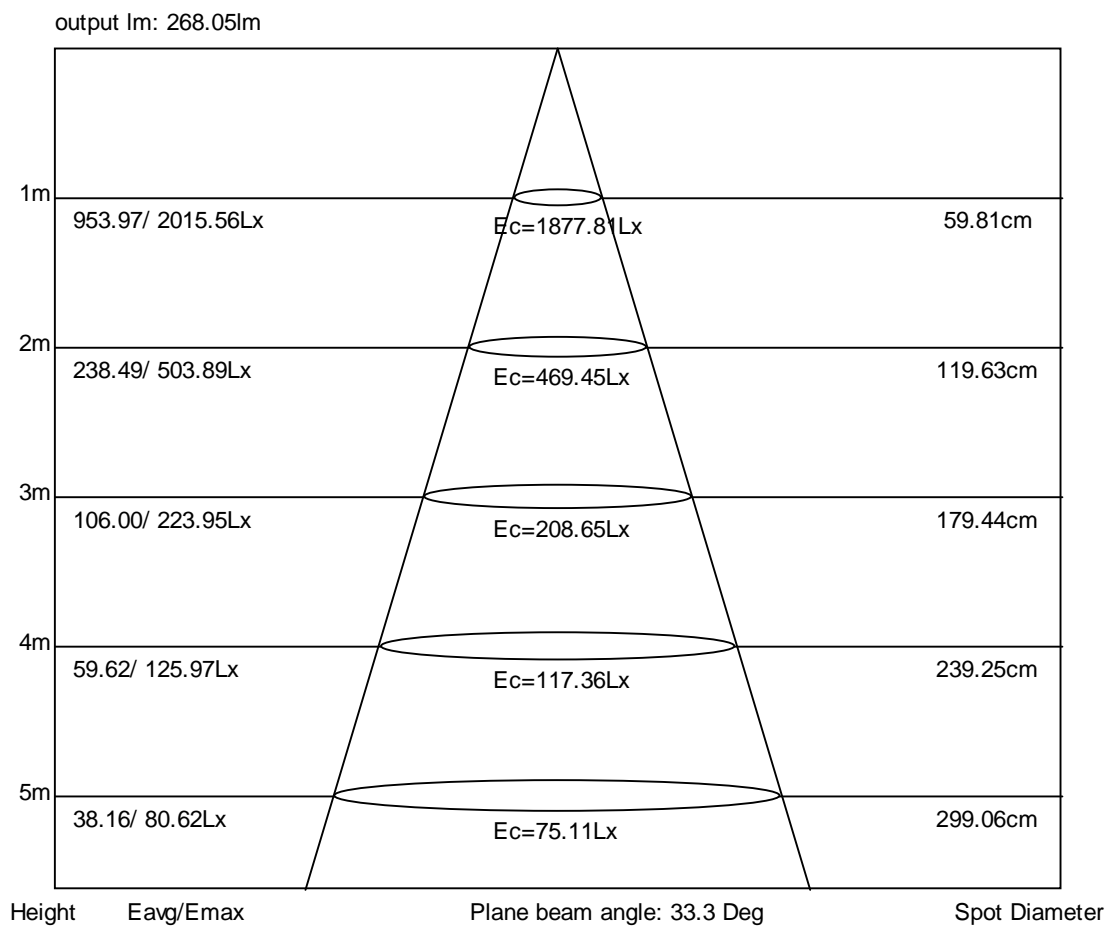
Humi di ty(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-10A-Y	Lamp Spec: LPDL-10A-Y	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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.48lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-10A-Y	Lamp Spec: LPDL-10A-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	1655	1718	1678	1876	2016	1979	1812	1507	0-5	43.7	43.7
10	1237	1303	1315	1765	1906	1821	1614	1081	5-10	117	161
15	771	845	900	1454	1587	1436	1224	686	10-15	155	316
20	423	429	466	1052	1110	922	808	392	15-20	147	463
25	208	191	201	630	594	468	404	203	20-25	108	572
30	97.5	100	99.9	309	282	198	174	93.9	25-30	63.7	635
35	55.6	62.1	65.4	142	128	101	95.1	54.5	30-35	36.1	672
40	36.8	41.4	45.6	75.9	67.1	64.6	63.1	33.3	35-40	22.8	694
45	18.9	24.9	28	49.5	44.2	44.9	41.9	16.1	40-45	15.8	710
50	10.6	12.5	15	31.9	30.1	26.2	24.1	9.46	45-50	10.6	721
55	9.8	10.3	9.88	16.7	15.8	12.9	11.3	8.27	50-55	6.7	728
60	6.66	8.01	8.54	10	9.74	8.94	9.1	5.23	55-60	4.54	732
65	3.89	4.86	5.33	8.92	8.7	6.93	6.34	3.37	60-65	3.48	736
70	2.75	3.27	2.84	6.08	5.56	4.25	3.92	2.72	65-70	2.51	738
75	2.07	2.41	2.32	3.89	3.74	3.11	3	2.23	70-75	1.73	740
80	1.75	1.92	1.8	2.51	2.95	2.63	2.64	2.46	75-80	1.38	741
85	1.51	1.68	1.62	2.05	2.59	2.51	2.56	2.43	80-85	1.2	742
90	1.41	1.53	1.51	1.71	2.46	2.49	2.52	2.4	85-90	1.12	743
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): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2023-9-21

Remark:

Measured Para U: 216.7V I: 71.0mA P: 9.10W PF: 0.589 Test LM: 743.481m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-10A-Y	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	1655	1683	1711	1705	1687	1721	1811	1891	1955	2016	1999	1983	1924	1849	1746	1607	1524	1590
10.0	1237	1266	1295	1307	1312	1414	1618	1781	1844	1906	1869	1831	1753	1659	1497	1256	1098	1169
15.0	771	803	837	863	888	1021	1272	1469	1529	1587	1521	1453	1367	1270	1106	862	695	734
20.0	423	425	428	441	458	594	860	1058	1084	1110	1027	942	884	832	717	528	395	409
25.0	208	201	193	195	199	295	490	627	610	594	539	482	447	418	360	269	203	206
30.0	97.5	98.6	99.7	99.9	99.9	146	241	306	294	282	245	208	190	179	156	120	94.3	95.9
35.0	55.6	58.4	61.4	63.2	64.7	82.2	117	140	134	128	116	104	98.9	96.3	86.2	67.8	54.6	55.1
40.0	36.8	38.8	40.9	42.8	44.7	52.2	65.9	74.9	70.9	67.1	66	64.8	64.1	63.5	56.6	43.1	33.7	35.3
45.0	18.9	21.5	24.3	25.9	27.3	32.7	42.5	49	46.6	44.2	44.5	44.8	43.9	42.6	36.3	24.5	16.4	17.7
50.0	10.6	11.4	12.3	13.3	14.5	18.7	26.4	31.7	30.9	30.1	28.4	26.6	25.5	24.6	20.9	14.3	9.59	10.1
55.0	9.8	10	10.3	10.2	9.98	11.4	14.5	16.6	16.2	15.8	14.6	13.2	12.4	11.6	10.6	9.25	8.43	9.13
60.0	6.66	7.25	7.86	8.19	8.42	8.87	9.55	10	9.87	9.74	9.39	9.03	9	9.07	8.26	6.5	5.39	6.04
65.0	3.89	4.31	4.76	5.02	5.23	6.12	7.74	8.9	8.8	8.7	7.92	7.12	6.74	6.47	5.69	4.34	3.42	3.66
70.0	2.75	2.98	3.22	3.13	2.93	3.55	5.02	6.03	5.79	5.56	4.99	4.39	4.14	3.99	3.66	3.11	2.73	2.74
75.0	2.07	2.22	2.38	2.38	2.34	2.66	3.38	3.88	3.8	3.74	3.46	3.18	3.07	3.02	2.83	2.48	2.21	2.14
80.0	1.75	1.82	1.9	1.88	1.83	1.96	2.28	2.56	2.76	2.95	2.81	2.66	2.63	2.64	2.6	2.52	2.38	2.06
85.0	1.51	1.59	1.66	1.66	1.63	1.71	1.91	2.11	2.35	2.59	2.55	2.52	2.53	2.55	2.54	2.48	2.33	1.91
90.0	1.41	1.46	1.52	1.52	1.51	1.55	1.64	1.79	2.13	2.46	2.48	2.49	2.5	2.52	2.49	2.44	2.29	1.84
95.0																		
100.0																		
105.0																		
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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: 2023-9-21

Distance(m): 8.500

Remark:

Test System: ZWL Goniophotometer System V3.0