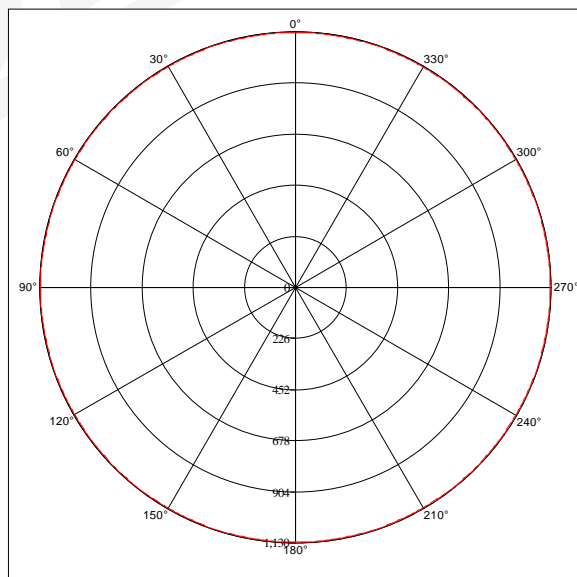
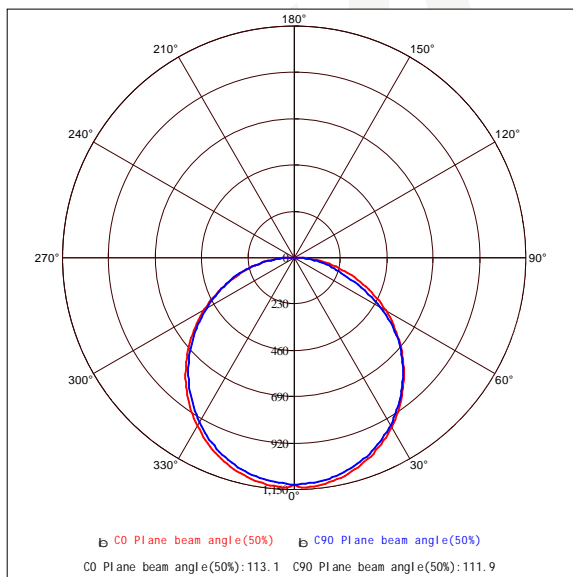


Goniophotometer Test Report

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.78lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPDL-40EMS01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-40EMS01-Y		Peak Value(cd)	1141.8	Efficiency(lm/w)	98.4
Nominal P(w)	1.0		Position	0.0,0.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	3887.78	Down(C0-C180)	51.5
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)	48.5

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxx

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

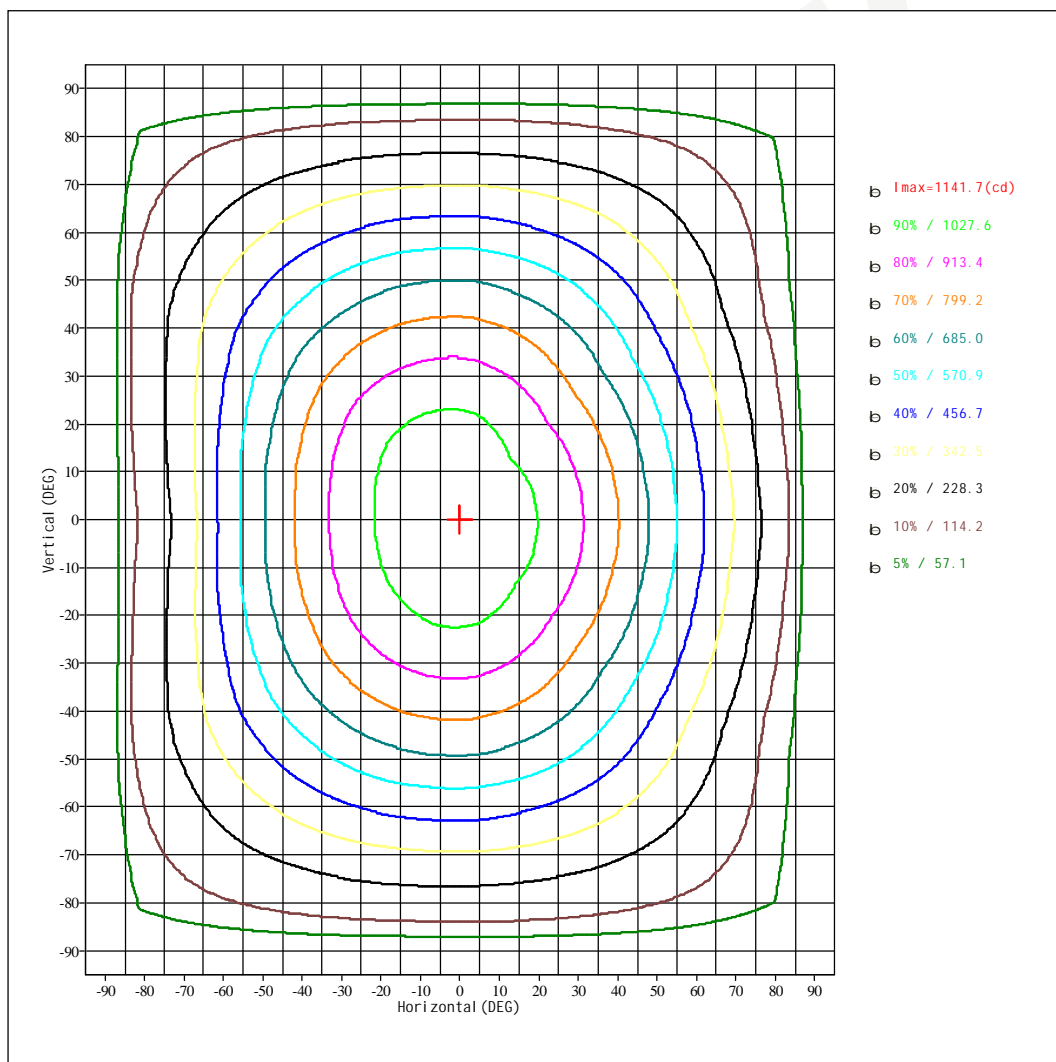
Humi di ty(%): 60

Date: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.781m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40EMS01-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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

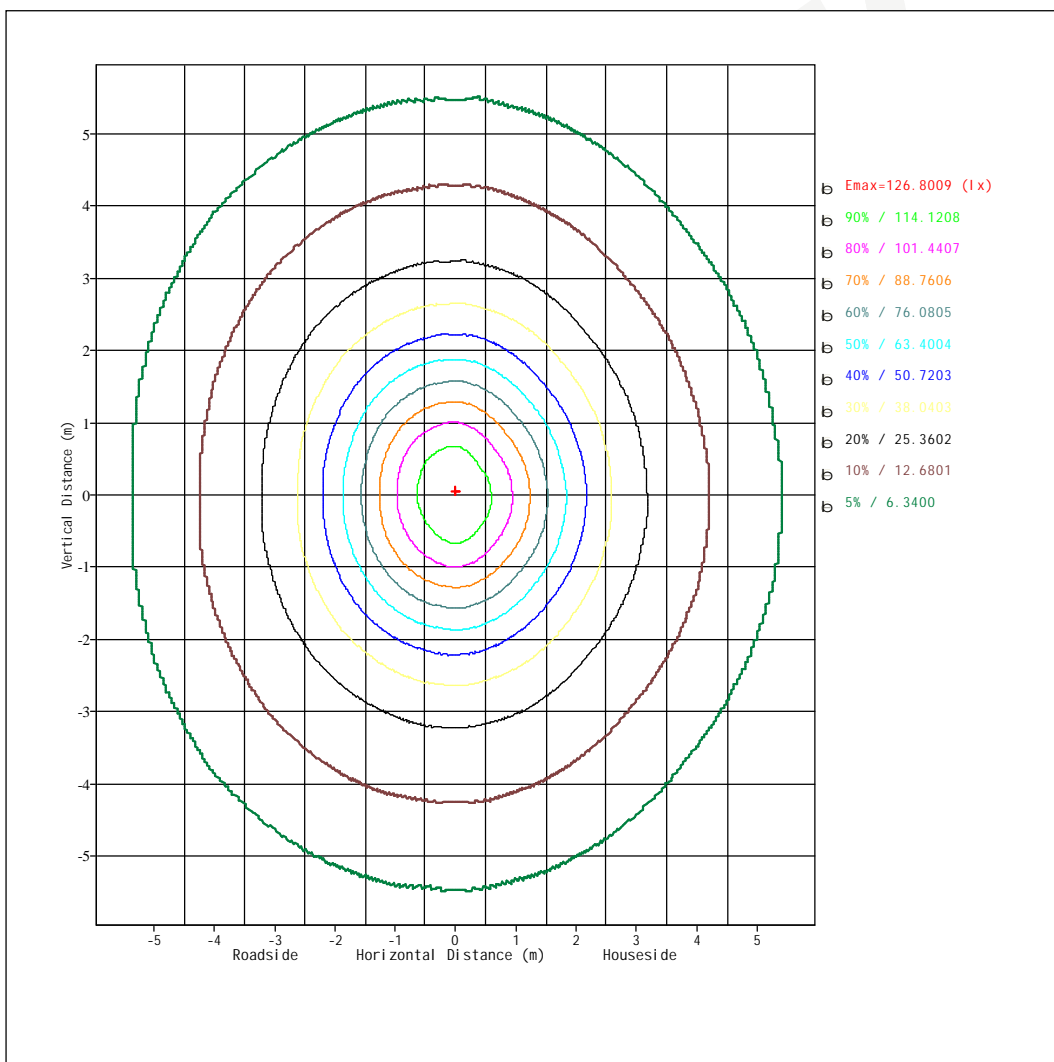
Humi di ty(%): 60

Date: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.78lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40EMS01-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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

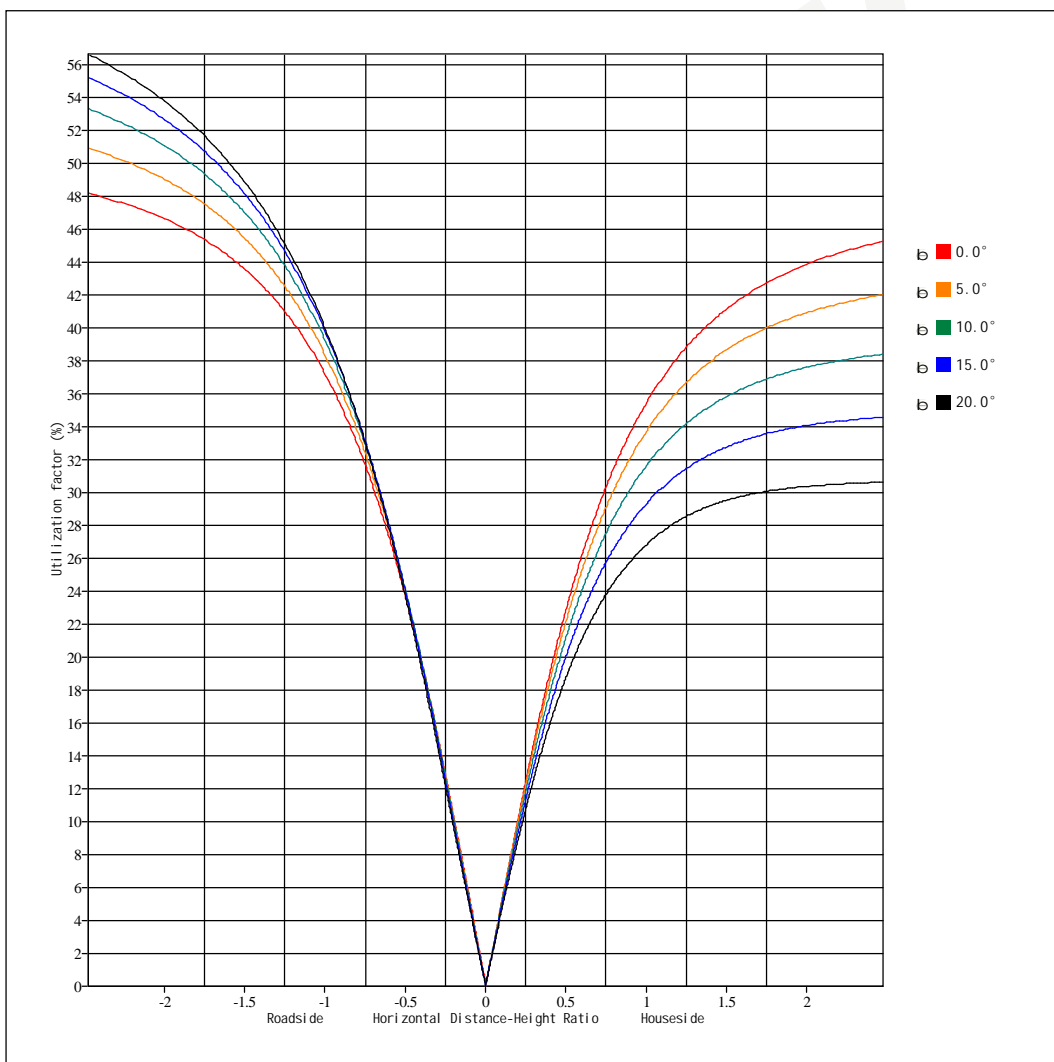
Humi di ty(%): 60

Date: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.78lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40EMS01-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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

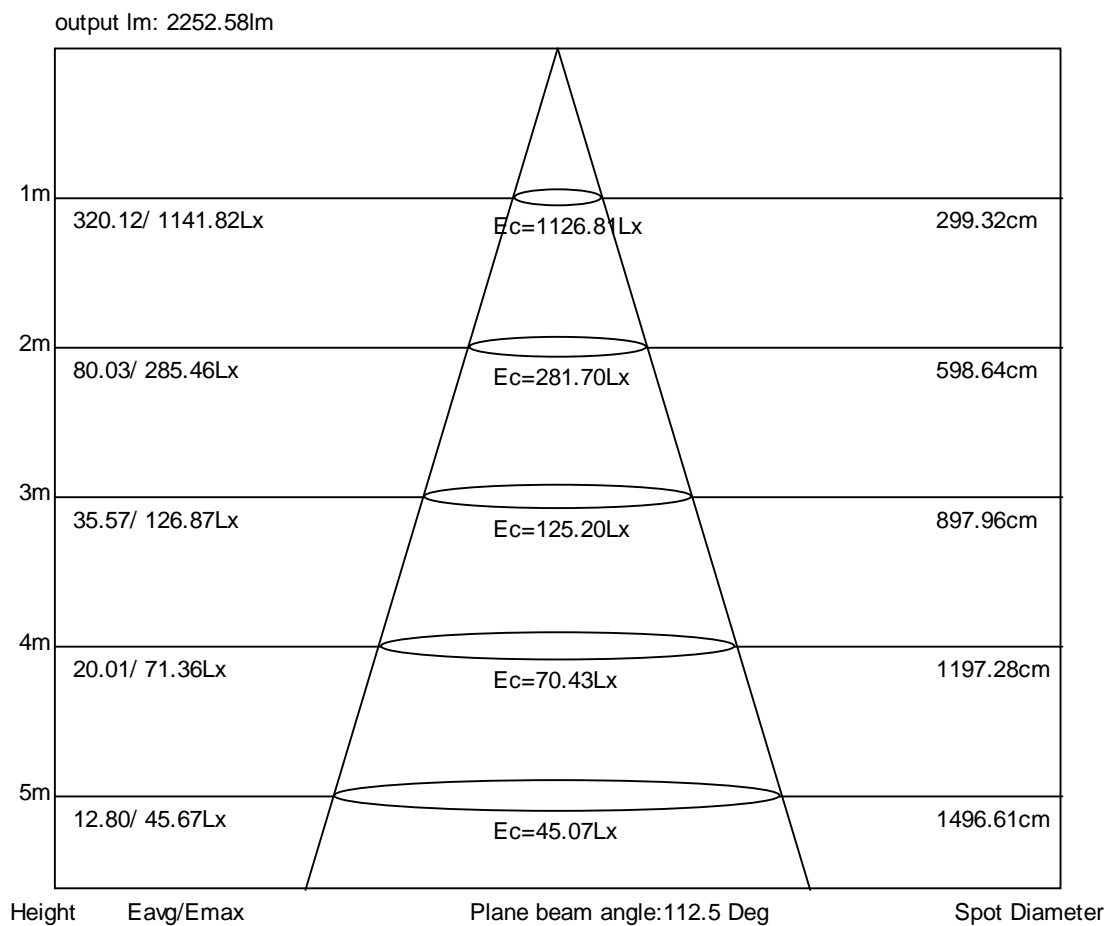
Humi di ty(%): 60

Date: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.78lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40EMS01-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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.781m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40EMS01-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	1137	1129	1118	1113	1136	1119	1116	1104	0-5	26.9	26.9
10	1122	1119	1104	1102	1120	1098	1099	1084	5-10	79.7	107
15	1096	1098	1080	1081	1093	1067	1072	1054	10-15	130	236
20	1061	1067	1046	1050	1057	1027	1035	1014	15-20	175	411
25	1016	1027	1004	1011	1011	977	990	966	20-25	214	626
30	963	978	952	961	958	919	936	910	25-30	246	872
35	904	920	895	904	896	854	875	846	30-35	270	1142
40	836	856	829	839	828	783	807	776	35-40	285	1427
45	764	785	756	769	754	706	734	701	40-45	290	1717
50	685	708	680	694	674	625	656	621	45-50	286	2002
55	602	628	589	614	591	541	574	538	50-55	272	2275
60	516	544	485	531	505	454	491	453	55-60	250	2525
65	428	458	377	447	419	367	413	368	60-65	220	2745
70	340	371	269	362	332	281	335	282	65-70	185	2930
75	254	286	199	278	255	196	254	199	70-75	147	3077
80	169	196	134	192	175	112	171	116	75-80	107	3183
85	87.9	119	72	113	95.8	46.7	91.4	50.4	80-85	65.7	3249
90	44.6	49.1	37.9	45.2	35.9	31.2	33.6	34.7	85-90	31.7	3281
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: 2023-11-14

Remark:

Measured Para U: 217.1V I: 315.4mA P: 39.51W PF: 0.577 Test LM: 3887.781m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-40EMS01-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	1137	1134	1130	1126	1121	1117	1115	1116	1126	1136	1129	1121	1118	1116	1113	1107	1107	1122
10.0	1122	1120	1119	1114	1107	1104	1103	1104	1112	1120	1110	1100	1098	1099	1095	1089	1088	1105
15.0	1096	1097	1098	1092	1084	1080	1081	1083	1088	1093	1082	1070	1068	1071	1068	1060	1058	1078
20.0	1061	1063	1066	1060	1051	1047	1049	1051	1054	1057	1044	1030	1029	1033	1031	1021	1019	1040
25.0	1016	1021	1026	1019	1009	1005	1009	1011	1011	1011	996	981	981	987	985	974	972	994
30.0	963	970	976	969	958	954	958	961	959	958	941	923	925	932	930	918	915	940
35.0	904	911	918	912	900	897	901	903	899	896	877	859	861	870	869	856	852	879
40.0	836	845	853	847	834	831	836	838	833	828	808	788	791	802	800	786	783	810
45.0	764	773	783	776	763	759	765	768	761	754	733	711	715	728	727	712	708	736
50.0	685	695	706	699	686	683	689	691	683	674	653	631	635	649	648	632	628	657
55.0	602	613	625	615	598	595	606	611	601	591	569	547	552	567	566	550	545	574
60.0	516	528	541	524	498	495	516	528	517	505	483	460	466	483	483	466	460	488
65.0	428	441	455	431	395	393	424	444	431	419	396	373	382	403	403	382	374	402
70.0	340	354	368	338	291	289	331	359	345	332	310	287	299	323	323	299	288	315
75.0	254	268	282	257	218	216	252	275	265	255	230	203	215	241	242	217	205	230
80.0	169	181	193	176	147	147	173	190	182	175	147	119	131	158	159	134	122	146
85.0	87.9	102	116	104	82.3	81	99.6	111	103	95.8	74.3	52	61.3	81.6	82.4	63.8	54.5	71.5
90.0	44.6	46.6	48.6	45.5	40.4	39.5	42.8	44.2	39.9	35.9	33.8	31.7	32	33.1	33.8	34.3	35.8	40.3
95.0																		
100.0																		
105.0																		
110.0																		
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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

Humi di ty(%): 60

Date: 2023-11-14

Remark: