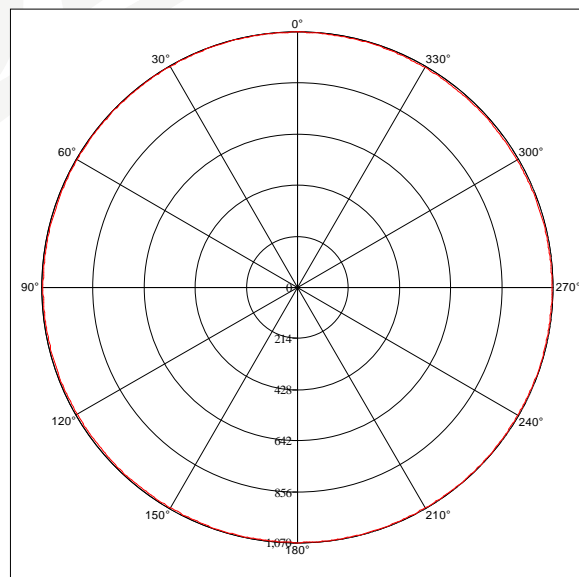
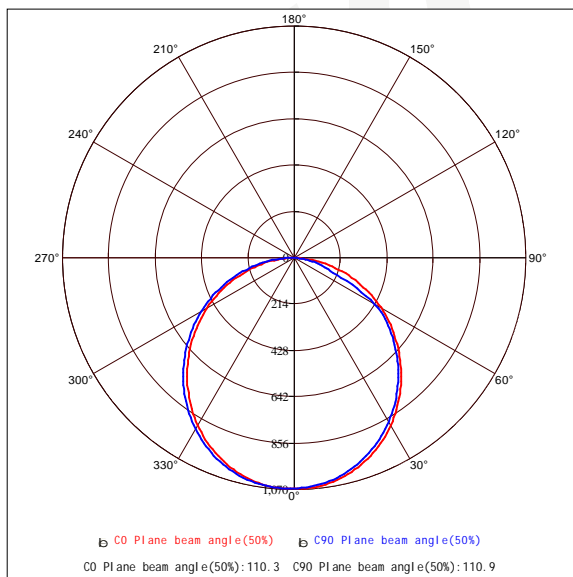


### Goniophotometer Test Report

Measured Para U: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.97lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LPDL-30AS01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m <sup>2</sup> ):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LPDL-30AS01-Y		Peak Value(cd)	1068.6	Efficiency(lm/w)	86.3
Nominal P(w)	1.0		Position	0.0, 1.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	2563.97	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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

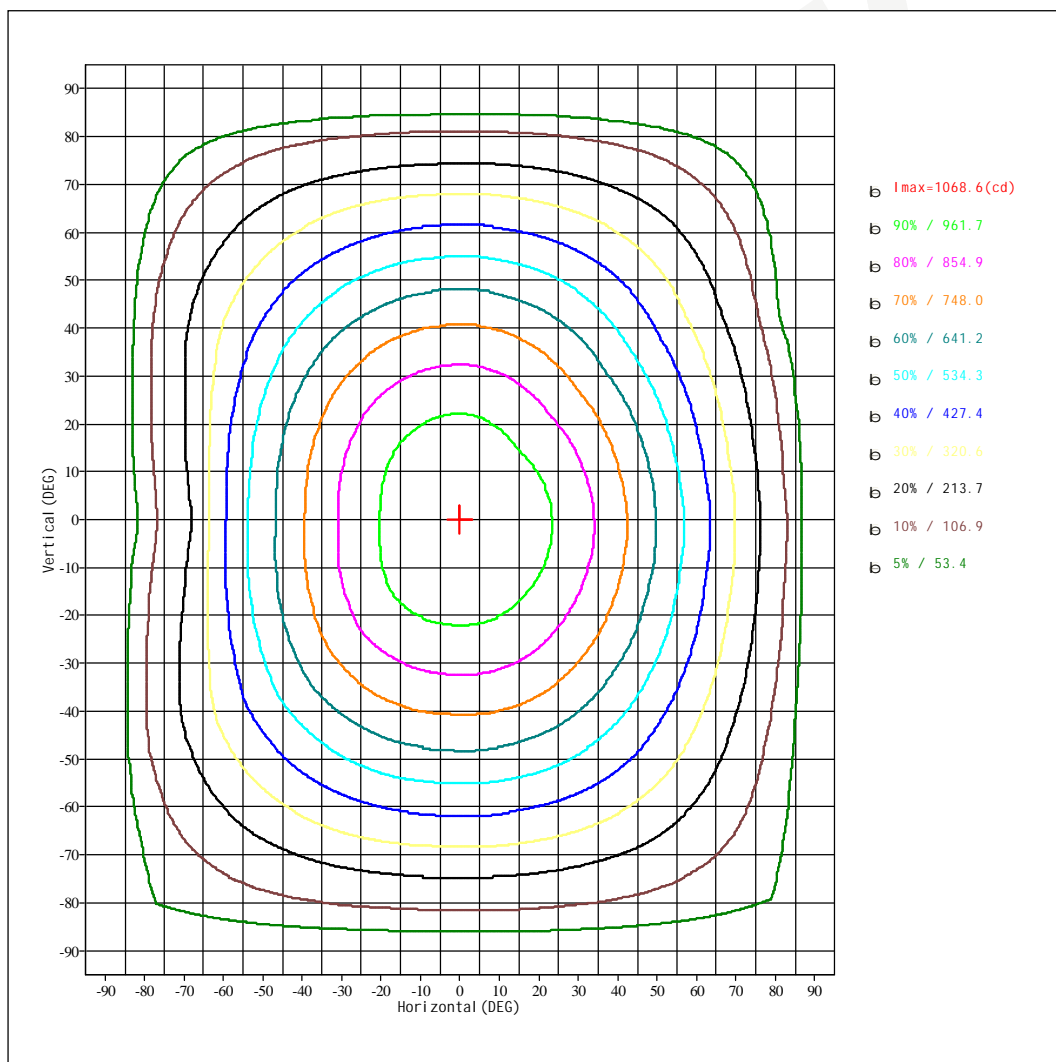
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.971m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-30AS01-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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

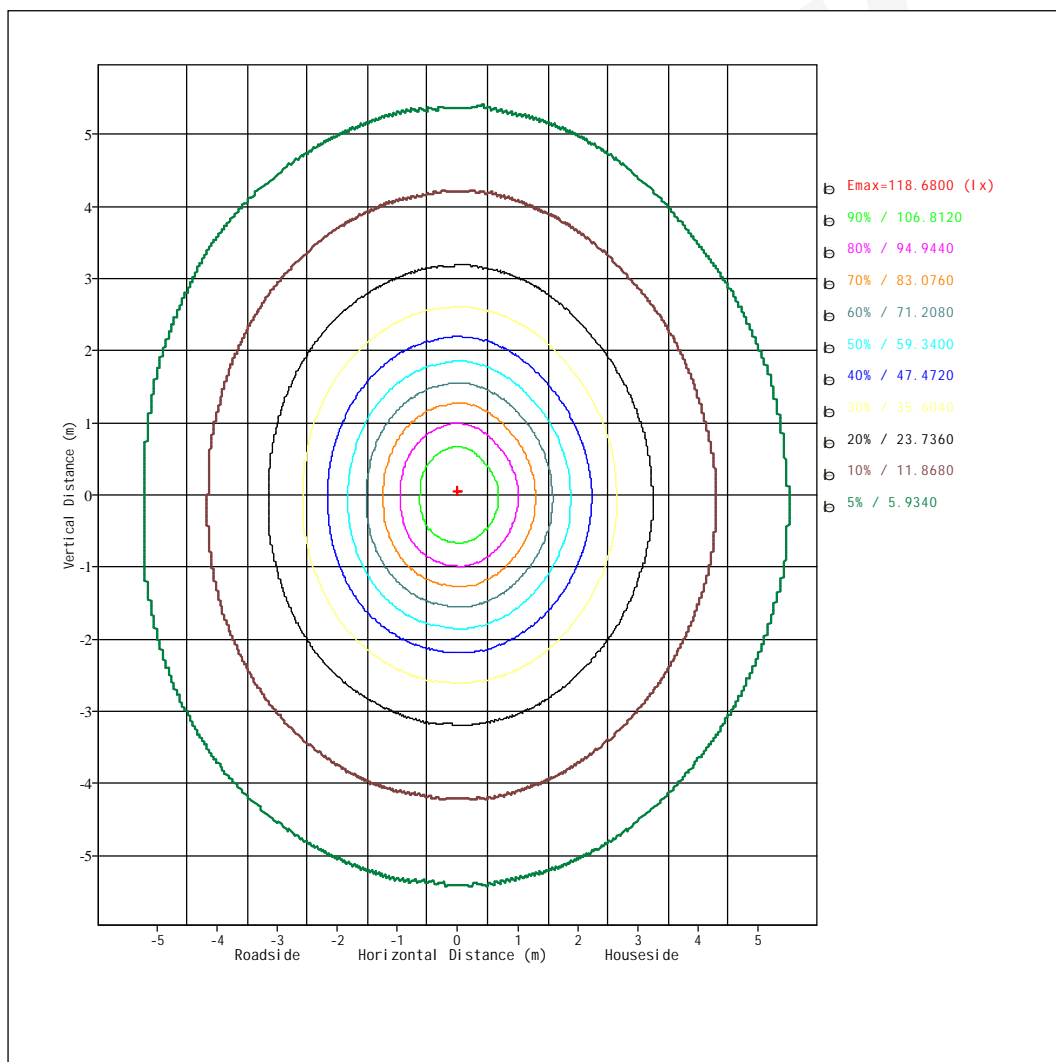
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.971m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-30AS01-Y	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

Planar Isolux curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

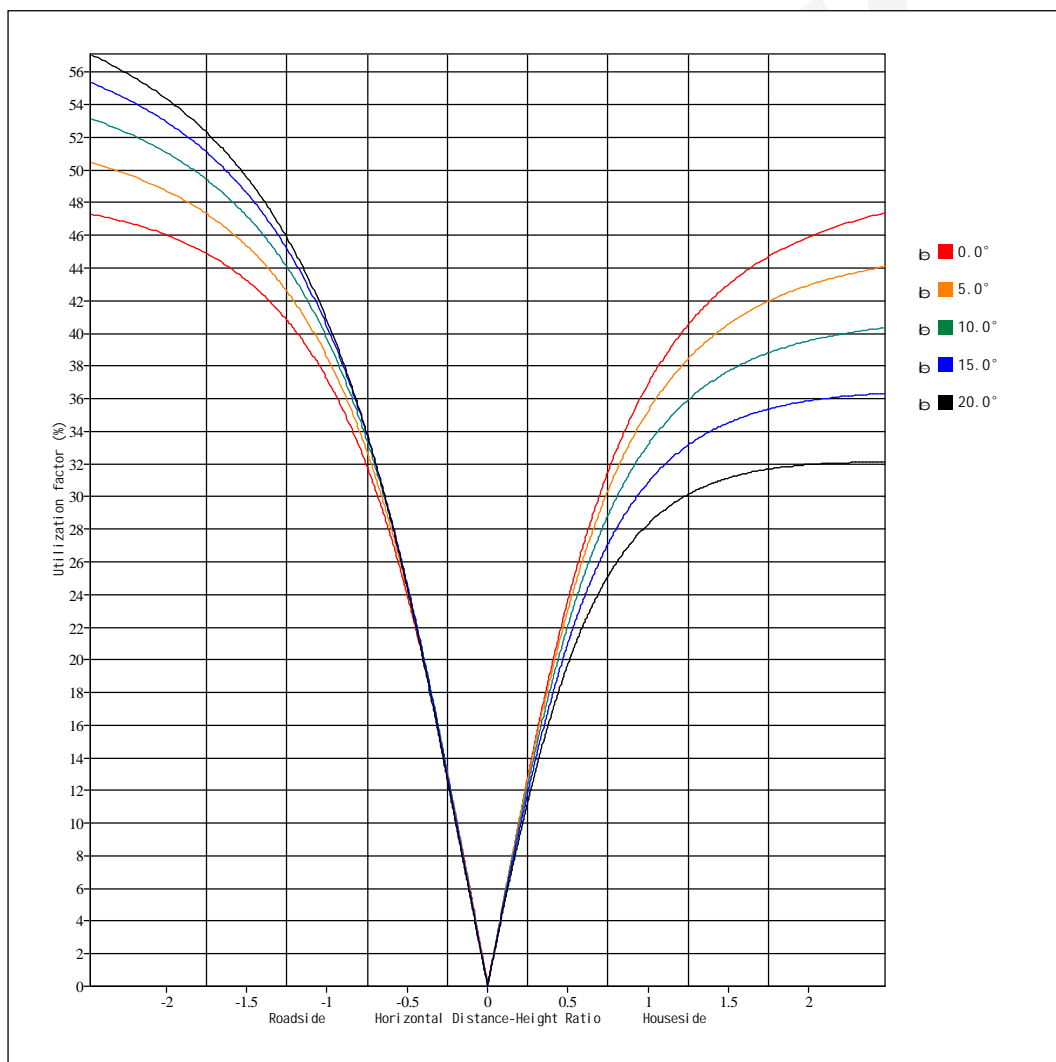
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.971m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-30AS01-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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

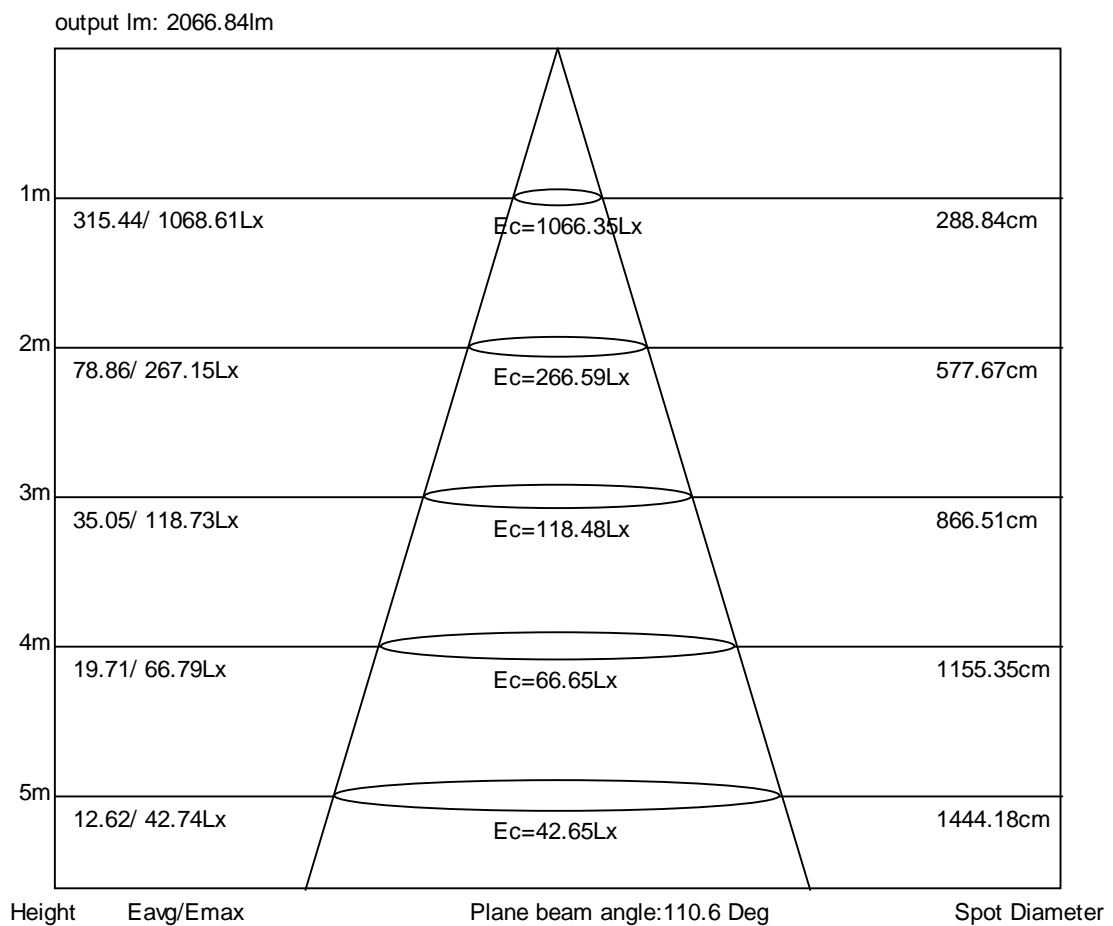
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-30AS01-Y	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 8.000

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: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.971m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-30AS01-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	1063	1062	1057	1061	1063	1063	1064	1056	0-5	25.4	25.4
10	1048	1045	1037	1047	1047	1048	1052	1037	5-10	75.3	101
15	1021	1018	1008	1024	1021	1022	1030	1009	10-15	122	223
20	985	982	969	990	985	987	998	970	15-20	165	388
25	941	936	923	947	940	943	957	923	20-25	202	590
30	888	883	868	896	887	890	907	869	25-30	231	821
35	827	822	809	838	827	830	850	807	30-35	252	1073
40	761	756	741	774	760	765	786	739	35-40	265	1337
45	689	684	669	704	689	694	716	666	40-45	268	1606
50	614	609	593	630	615	618	642	590	45-50	263	1869
55	535	530	514	552	537	540	565	510	50-55	250	2119
60	454	450	418	473	457	459	485	428	55-60	229	2347
65	372	368	281	391	376	376	404	345	60-65	199	2546
70	290	287	174	309	294	294	321	262	65-70	162	2708
75	206	206	120	227	212	209	238	177	70-75	125	2832
80	124	124	68.5	145	131	126	155	96.3	75-80	85.6	2918
85	45.4	45.8	19.6	66.1	54	48	75.9	20.9	80-85	45.5	2963
90	7.03	6.25	5.96	6.86	11.1	12.7	13.2	7.69	85-90	11.7	2975
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): 8.000

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: 216.7V I: 214.9mA P: 29.71W PF: 0.638 Test LM: 2563.971m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-30AS01-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	1063	1063	1062	1060	1058	1057	1059	1061	1062	1063	1063	1063	1063	1064	1062	1058	1056	1060
10.0	1048	1046	1045	1042	1039	1040	1044	1047	1047	1047	1048	1048	1049	1051	1049	1042	1038	1043
15.0	1021	1020	1019	1015	1010	1011	1019	1023	1022	1021	1021	1022	1025	1028	1025	1016	1010	1016
20.0	985	984	982	978	972	974	983	989	987	985	986	987	990	995	992	979	972	979
25.0	941	939	937	932	926	928	939	946	943	940	941	942	947	954	950	934	925	933
30.0	888	885	883	878	871	874	887	895	891	887	888	890	896	903	899	881	871	879
35.0	827	825	823	818	812	815	829	837	832	827	828	830	837	846	840	821	809	818
40.0	761	759	756	751	745	749	763	772	766	760	762	764	772	781	775	754	741	751
45.0	689	687	685	679	673	677	693	702	696	689	691	693	701	711	705	683	669	679
50.0	614	612	609	604	597	601	618	628	621	615	616	618	626	637	631	607	592	603
55.0	535	533	531	525	518	522	540	551	544	537	538	539	548	560	553	528	513	524
60.0	454	452	450	439	425	430	455	471	464	457	458	459	468	480	473	447	431	443
65.0	372	370	368	339	300	305	355	390	383	376	376	376	385	398	391	364	348	360
70.0	290	289	288	250	199	203	264	307	300	294	294	294	303	315	308	281	265	278
75.0	206	206	206	178	139	143	192	225	218	212	211	209	218	232	225	197	181	193
80.0	124	124	124	106	80.6	85.1	120	143	137	131	129	127	135	149	142	116	99.3	112
85.0	45.4	45.6	45.7	37.2	25.4	29.8	50.9	64.8	59.3	54	51.4	48.7	57.2	69.8	63.9	39	23.6	34.7
90.0	7.03	6.69	6.33	6.15	6.02	6.16	6.56	7.33	9.27	11.1	11.8	12.6	12.9	13.1	12	9.51	7.62	7.32
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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): 8.000

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: