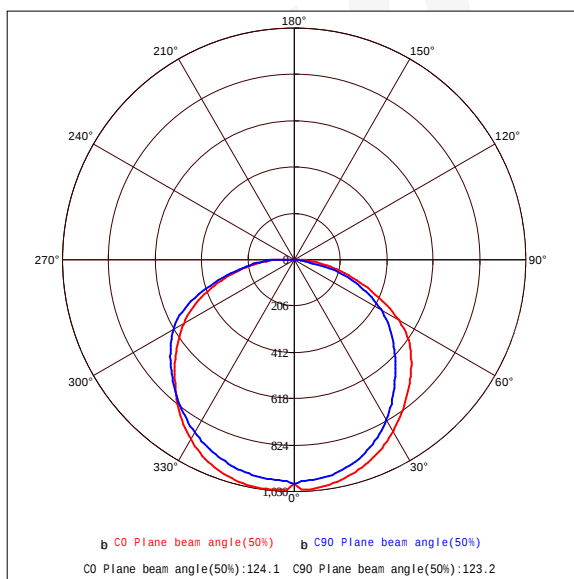


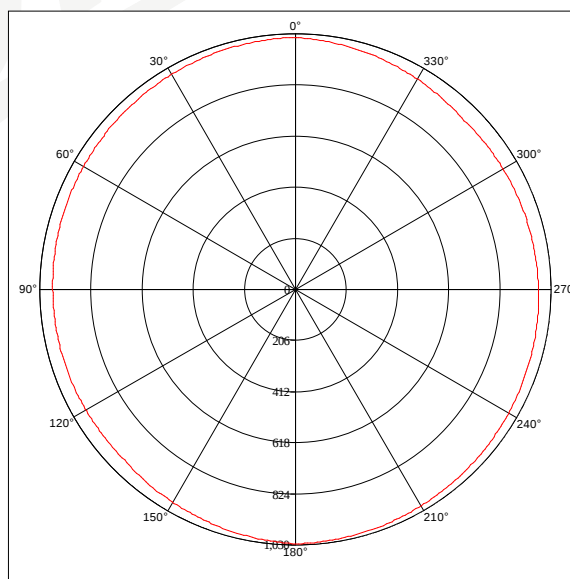
Goniophotometer Test Report

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPDL-40MW01-Y			Lamp Spec:		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPDL-40MW01-Y		Peak Value(cd)	1025.9	Efficiency(lm/w)	91.8
Nominal P(w)		1.0	Position	180.0,7.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	3683.02	Down(C0-C180)	47.1
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)	52.9

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

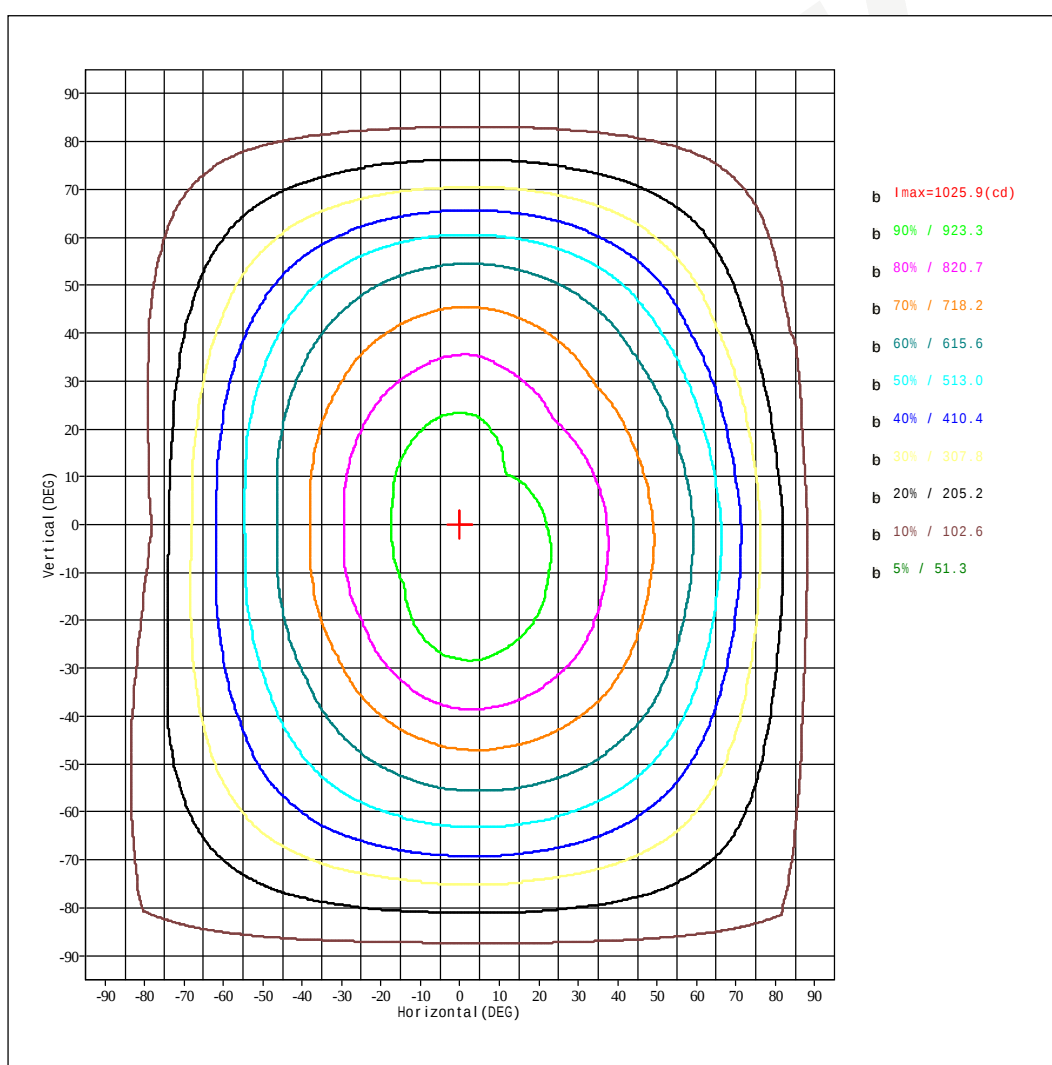
Humidity(%): 60

Date: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-Y	Lamp Spec:	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: zxcg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

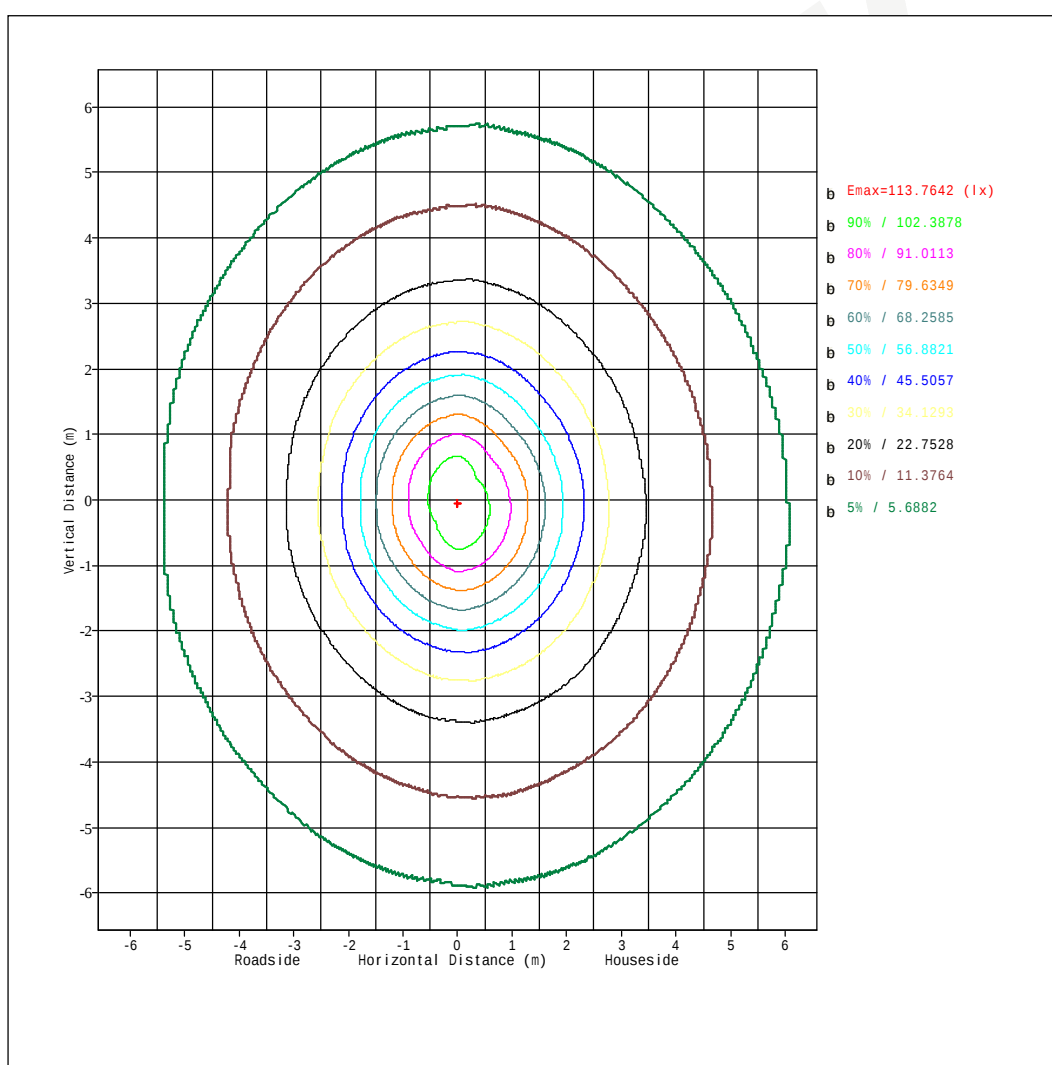
Humidity(%): 60

Date: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-Y	Lamp Spec:	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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

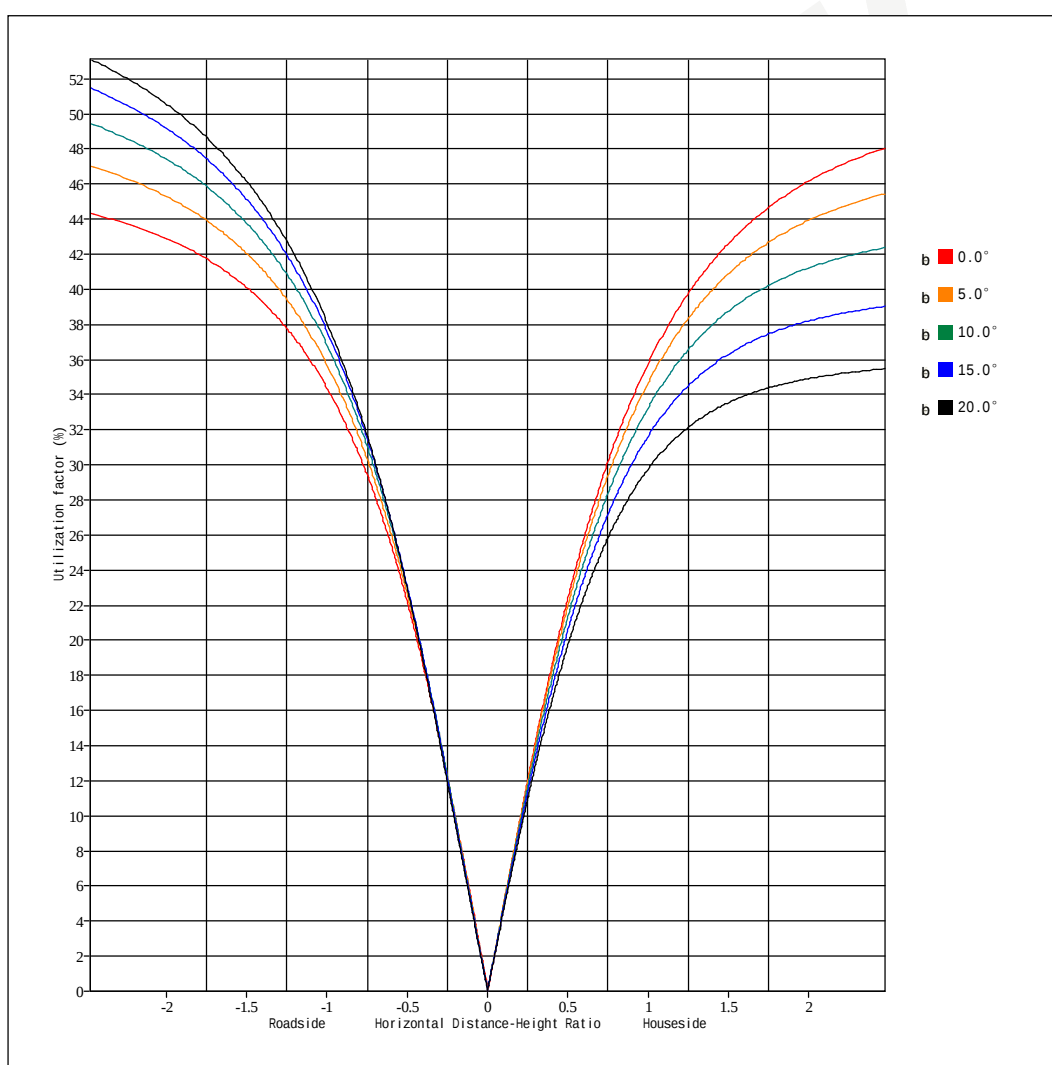
Humidity(%): 60

Date: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-Y	Lamp Spec:	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: zxg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

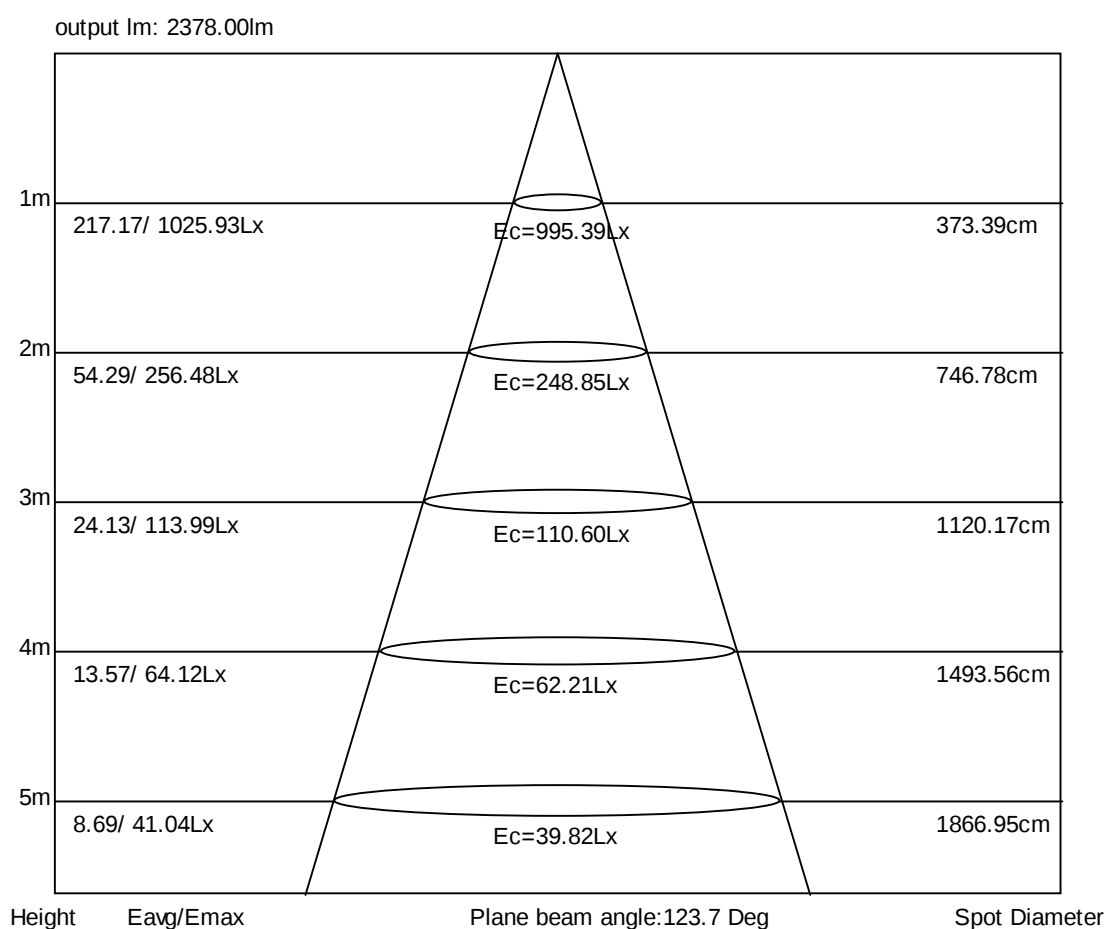
Humidity(%): 60

Date: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-Y	Lamp Spec:	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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-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	1020	997	982	974	1025	1000	982	967	0-5	23.8	23.8
10	1007	984	969	968	1024	999	975	954	5-10	70.8	94.6
15	985	962	946	953	1013	988	962	933	10-15	116	210
20	956	930	912	927	991	969	941	906	15-20	157	368
25	919	889	868	890	959	942	914	874	20-25	194	562
30	876	841	815	843	917	907	882	837	25-30	224	786
35	829	786	754	787	865	865	845	796	30-35	247	1033
40	777	728	692	725	806	816	803	752	35-40	263	1296
45	727	672	631	661	745	764	758	707	40-45	272	1568
50	675	615	571	600	685	712	713	662	45-50	275	1844
55	614	551	508	539	625	659	667	610	50-55	272	2115
60	528	470	438	475	560	598	614	538	55-60	260	2376
65	422	378	358	408	487	517	542	439	60-65	237	2612
70	317	286	277	335	400	417	442	334	65-70	201	2814
75	222	199	176	255	310	316	337	238	70-75	159	2972
80	142	125	63.4	177	224	223	242	157	75-80	113	3085
85	74.7	60.5	27.5	107	145	143	160	90.2	80-85	72.8	3158
90	45	29	16	46.5	75	98.3	94	58.5	85-90	41.7	3200
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: 2023-5-14

Remark:

Measured Para U: 215.6V I: 331.1mA P: 40.12W PF: 0.562 Test LM: 3683.02lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-40MW01-Y	Lamp Spec:	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	1020	1010	999	992	985	980	977	980	1003	1025	1014	1003	994	986	979	972	973	997
10.0	1007	997	986	979	972	969	969	974	1000	1024	1013	1002	991	980	971	961	959	983
15.0	985	975	964	956	949	947	951	960	987	1013	1002	991	979	967	955	942	939	962
20.0	956	944	933	924	916	915	922	934	963	991	981	972	960	947	933	917	911	934
25.0	919	906	892	882	873	873	883	898	929	959	951	944	933	920	905	887	879	899
30.0	876	861	845	833	821	821	834	851	885	917	912	908	899	887	872	852	841	859
35.0	829	810	790	775	761	761	776	795	831	865	865	865	858	849	834	812	799	814
40.0	777	756	733	716	700	699	714	734	771	806	811	815	812	806	792	768	754	766
45.0	727	703	678	659	640	638	652	671	708	745	753	762	762	759	747	724	710	718
50.0	675	649	622	601	581	577	591	609	648	685	697	709	712	712	702	679	663	669
55.0	614	586	558	537	517	515	529	548	587	625	639	655	661	665	654	628	610	612
60.0	528	503	476	459	445	446	463	484	523	560	577	594	604	611	598	563	537	533
65.0	422	403	383	371	362	369	392	417	452	487	500	514	525	536	519	473	437	430
70.0	317	304	289	283	279	290	316	342	371	400	408	415	425	437	419	369	332	325
75.0	222	212	202	192	181	193	229	261	286	310	313	316	323	332	315	271	237	229
80.0	142	135	127	105	76.8	88.2	140	182	203	224	224	223	229	237	223	185	155	149
85.0	74.7	68.5	62.1	49.7	34.7	44.9	81.1	111	129	145	144	143	149	156	145	113	88.5	81.5
90.0	45	38	30.7	24.7	18.9	22.7	36.5	49.6	62.5	75	85.2	95.8	96.9	95	86.2	70.2	57	50.9
95.0																		
100.0																		
105.0																		
110.0																		
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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

Humidity(%): 60

Date: 2023-5-14

Remark: