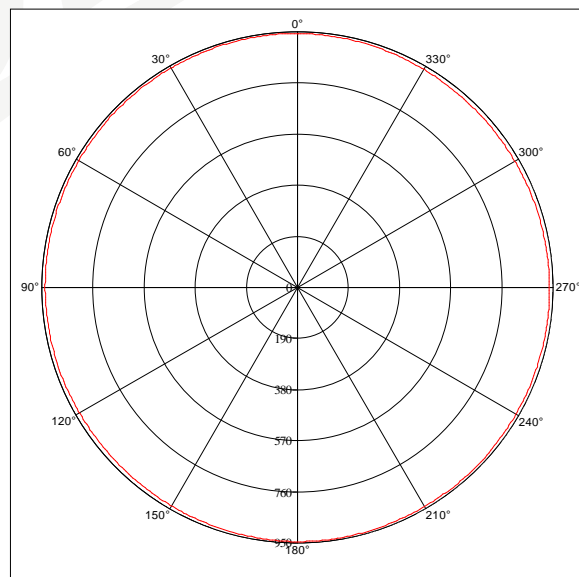
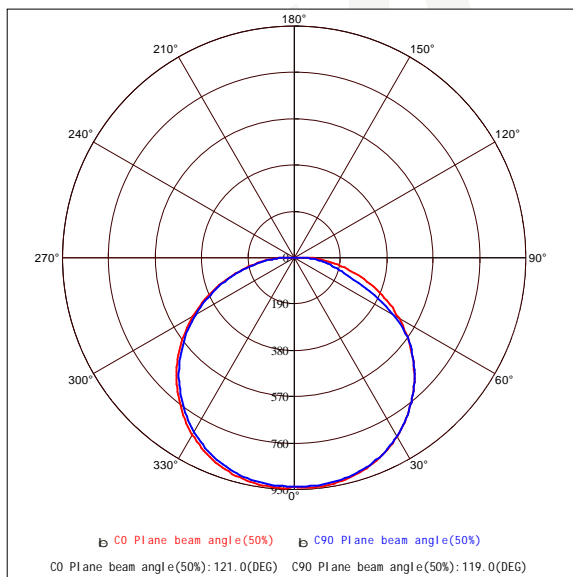


Goniophotometer Test Report

Measured Para U: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.52lm						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LP-DL30MF01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m ²):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LP-DL30MF01-Y		Peak Value(cd)	945.5	Efficiency(lm/w)	93.6
Nominal P(w)	1.0		Position	180.0, 2.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	2873.52	Down(C0-C180)	51.4
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)	48.6

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

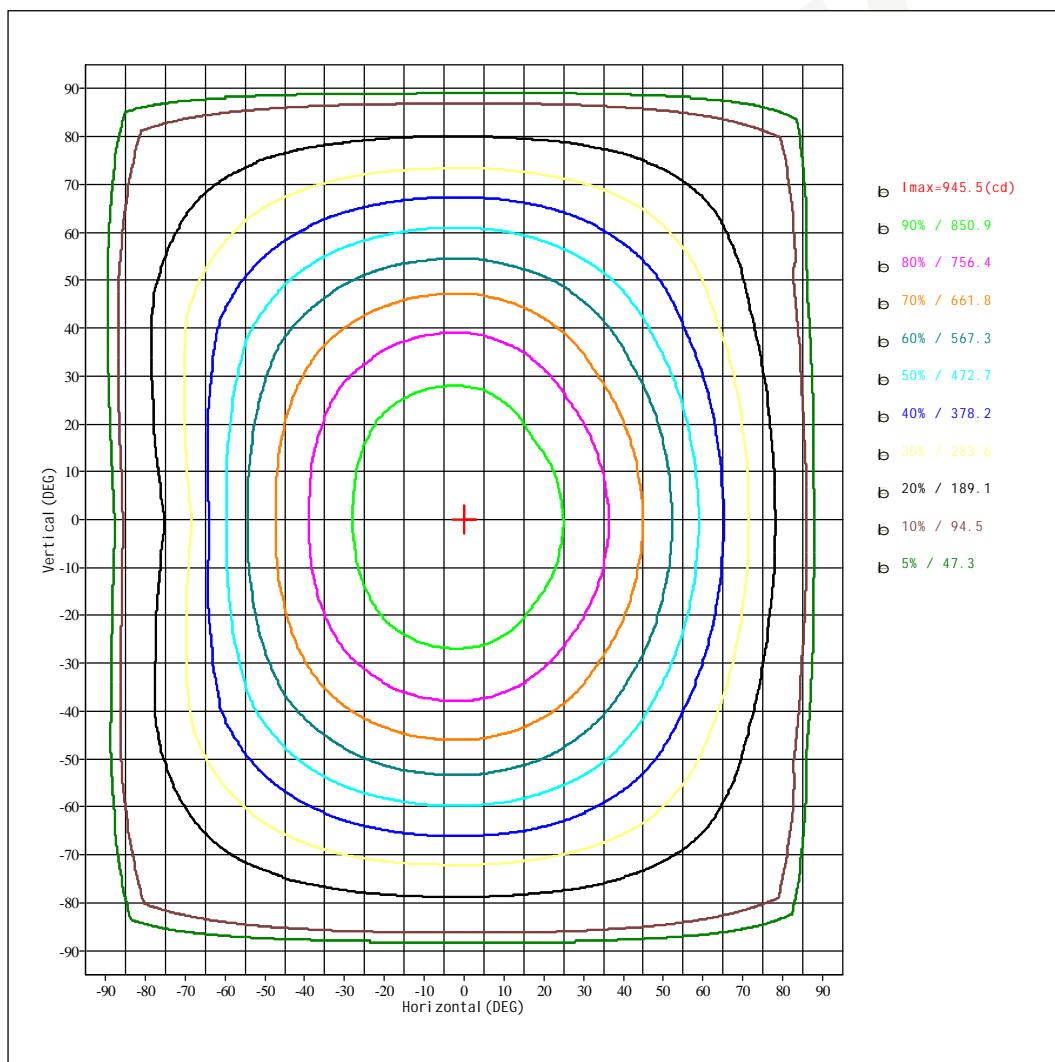
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.52lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL30MF01-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

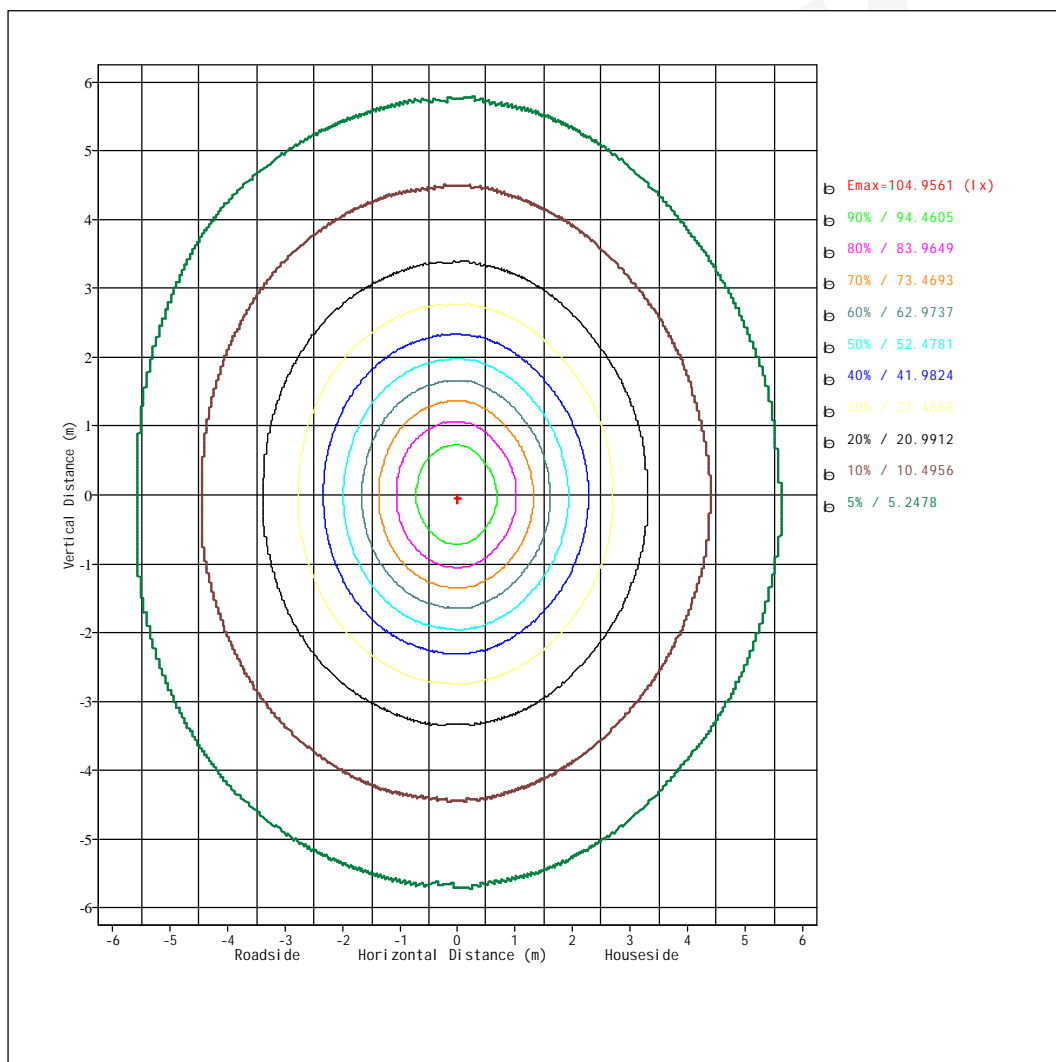
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.52lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL30MF01-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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

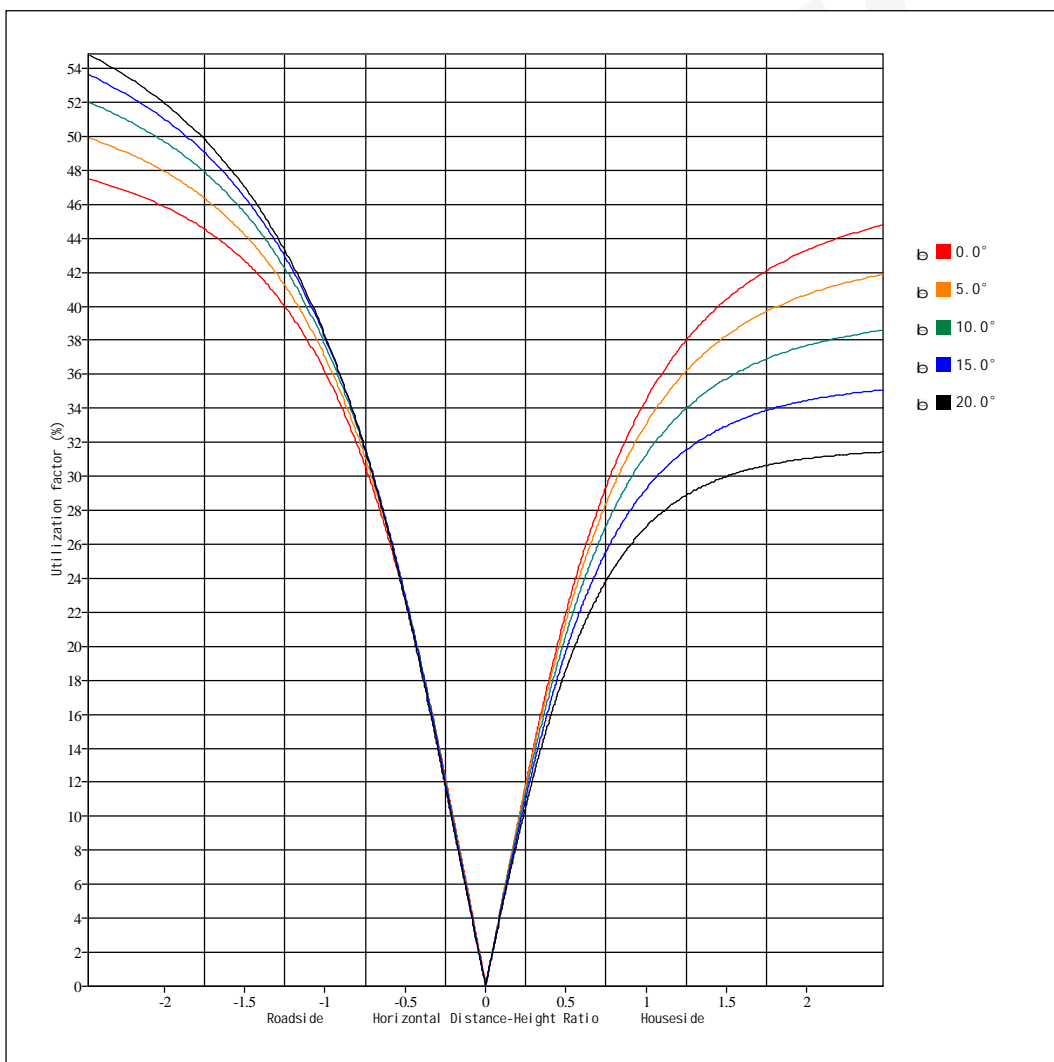
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.52lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL30MF01-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

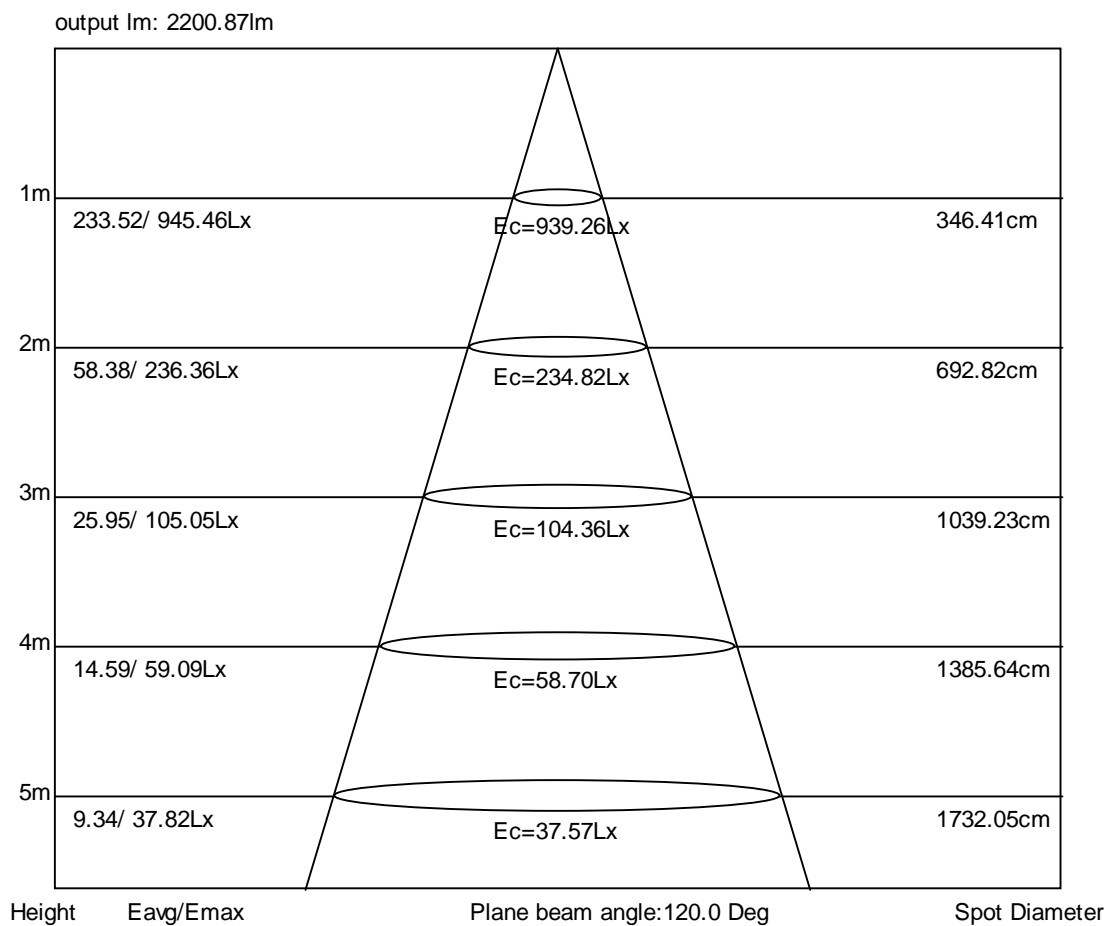
Humi di ty(%): 60

Date: 2023-11-10

Remark:

Measured Para U: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.52lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL30MF01-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): 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: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.521m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL30MF01-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	944	941	938	935	945	938	936	931	0-5	22.4	22.4
10	939	938	933	932	937	928	927	922	5-10	66.9	89.4
15	926	928	921	922	923	910	912	904	10-15	110	199
20	906	910	903	904	900	885	888	879	15-20	150	349
25	878	885	875	878	871	851	857	847	20-25	185	534
30	842	852	840	845	832	811	819	807	25-30	215	749
35	799	812	798	803	787	762	773	760	30-35	238	987
40	749	764	748	755	735	708	721	707	35-40	254	1241
45	692	709	692	700	676	647	663	647	40-45	262	1503
50	630	648	630	639	613	581	599	582	45-50	261	1765
55	563	583	561	572	544	510	532	513	50-55	253	2017
60	490	513	460	502	470	435	461	439	55-60	236	2253
65	414	438	351	427	394	359	383	362	60-65	210	2463
70	337	362	249	349	317	284	308	288	65-70	178	2640
75	263	286	186	273	243	210	234	214	70-75	143	2784
80	189	213	135	199	170	140	163	145	75-80	109	2893
85	121	142	88.2	129	103	79.6	98.3	81.9	80-85	74.3	2967
90	76.2	78.3	57	68.3	58.2	56.6	53.2	55.5	85-90	44.2	3011
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: 215.0V I: 242.0mA P: 30.70W PF: 0.590 Test LM: 2873.521m		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LP-DL30MF01-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	944	943	941	940	939	937	936	936	940	945	942	939	937	936	935	933	933	939
10.0	939	938	938	937	934	933	932	933	935	937	933	929	928	927	926	923	923	931
15.0	926	927	928	926	923	922	922	922	922	923	917	912	911	911	910	907	907	917
20.0	906	908	910	908	904	903	903	903	902	900	893	886	886	887	886	882	882	894
25.0	878	881	884	882	877	876	877	877	874	871	862	854	853	856	855	850	850	864
30.0	842	847	851	848	843	841	843	843	838	832	823	813	813	817	816	811	811	827
35.0	799	805	810	807	801	799	802	802	794	787	776	765	766	771	770	764	764	782
40.0	749	755	762	759	752	750	753	752	743	735	723	711	712	718	718	712	712	731
45.0	692	700	707	704	696	694	697	697	687	676	663	650	652	659	659	652	652	673
50.0	630	638	646	642	634	632	636	636	624	613	599	585	587	595	596	588	588	609
55.0	563	572	581	576	566	563	568	569	556	544	529	514	517	527	528	519	519	541
60.0	490	500	510	496	472	469	488	498	484	470	455	439	444	455	456	446	445	468
65.0	414	425	436	410	370	368	402	423	408	394	378	362	367	377	378	369	368	392
70.0	337	348	359	325	274	271	316	346	331	317	303	288	292	302	303	295	293	316
75.0	263	273	283	253	207	205	244	269	256	243	228	213	218	229	230	220	219	241
80.0	189	199	210	187	152	149	178	196	183	170	157	143	148	158	159	151	150	170
85.0	121	130	140	124	100	97.2	116	126	115	103	93	82.2	85.7	94.2	94.7	87.3	86.2	104
90.0	76.2	77.1	78.1	71.3	61.7	59.5	64.6	67.2	62.6	58.2	57.5	56.8	55.5	53.9	53.7	54.7	57.7	67.1
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
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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

Humidity(%): 60

Date: 2023-11-10

Remark: