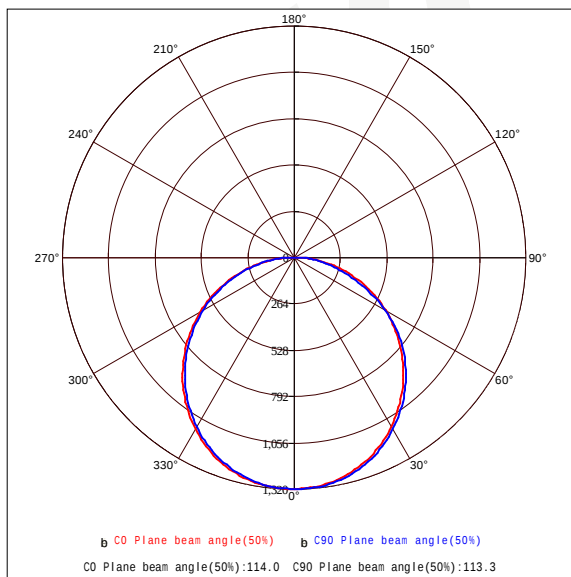


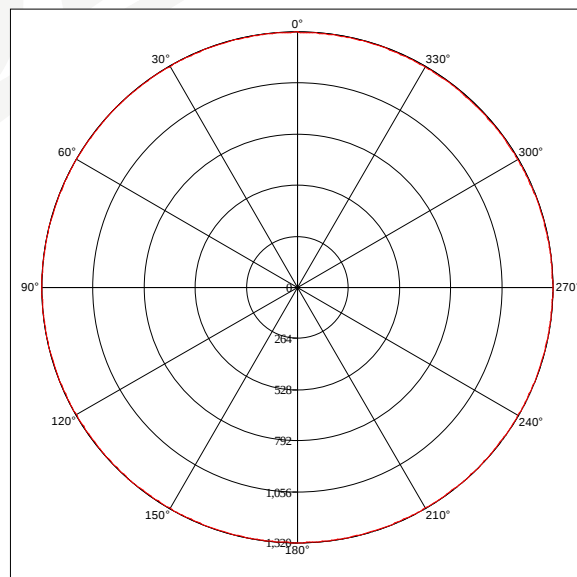
Goniophotometer Test Report

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LP-DL50MW01-Y			Lamp Spec: LP-DL50MW01-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LP-DL50MW01-Y		Peak Value(cd)	1319.2	Efficiency(lm/w)	85.9
Nominal P(w)		1.0	Position	90.0,1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	3906.732	Down(C0-C180)	51.0
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)	49.0

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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

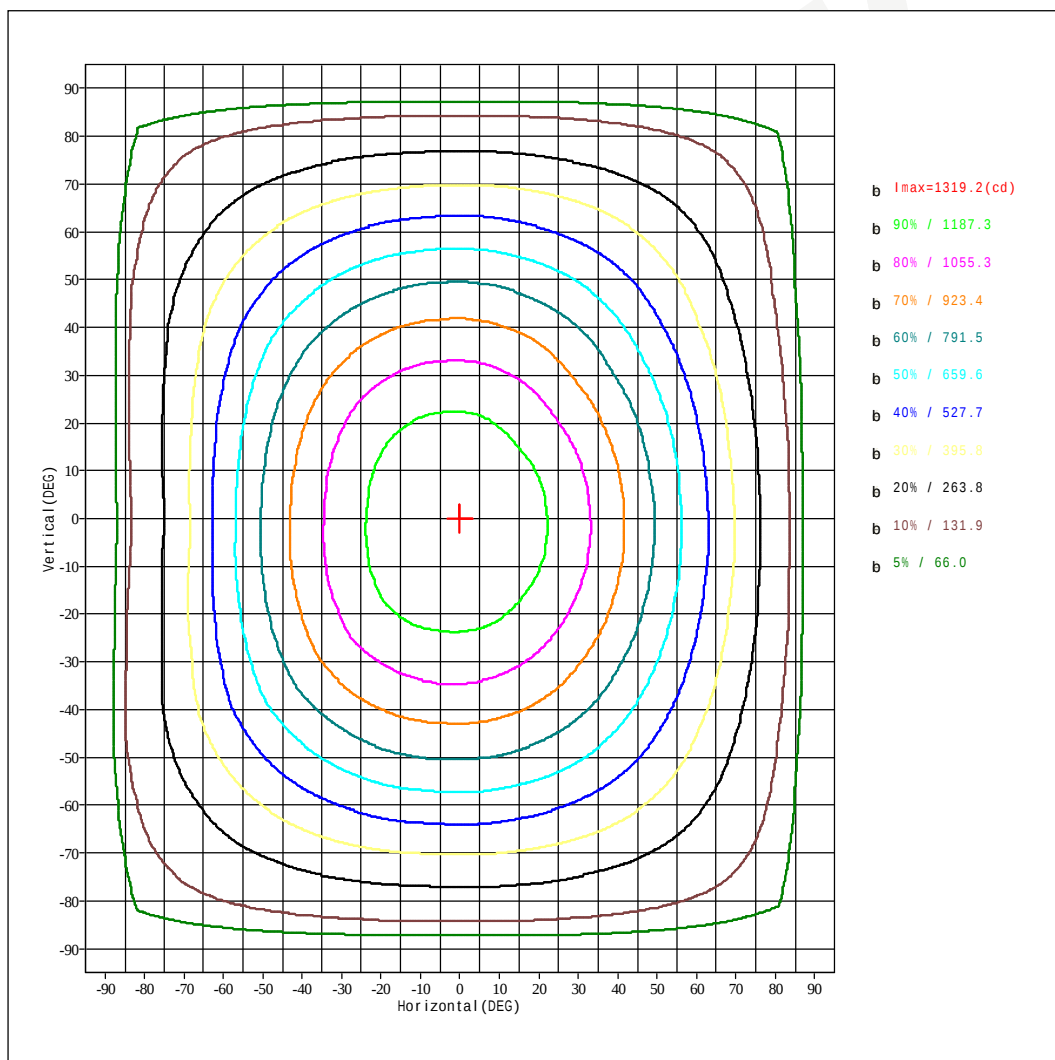
Humidity(%): 60

Date: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-Y	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

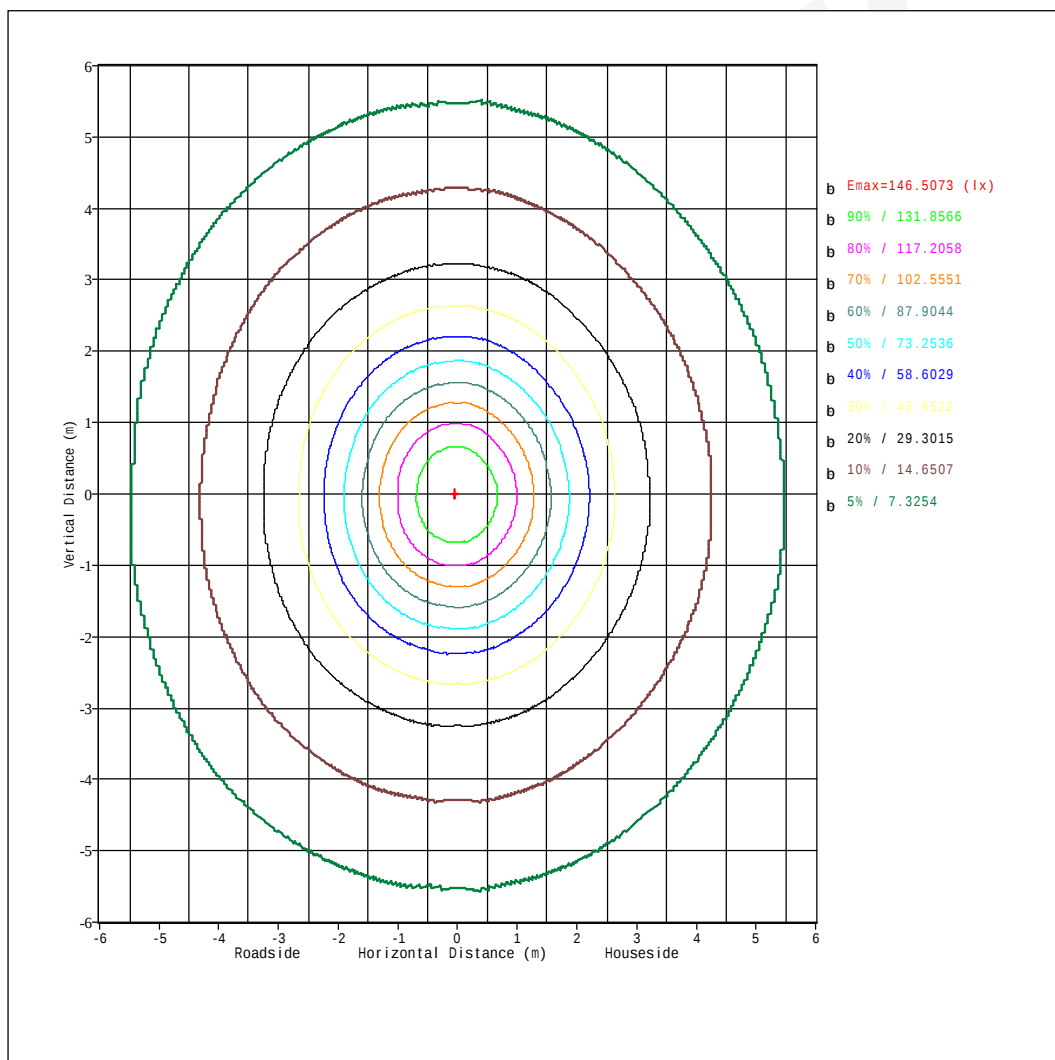
Humidity(%): 60

Date: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-Y	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

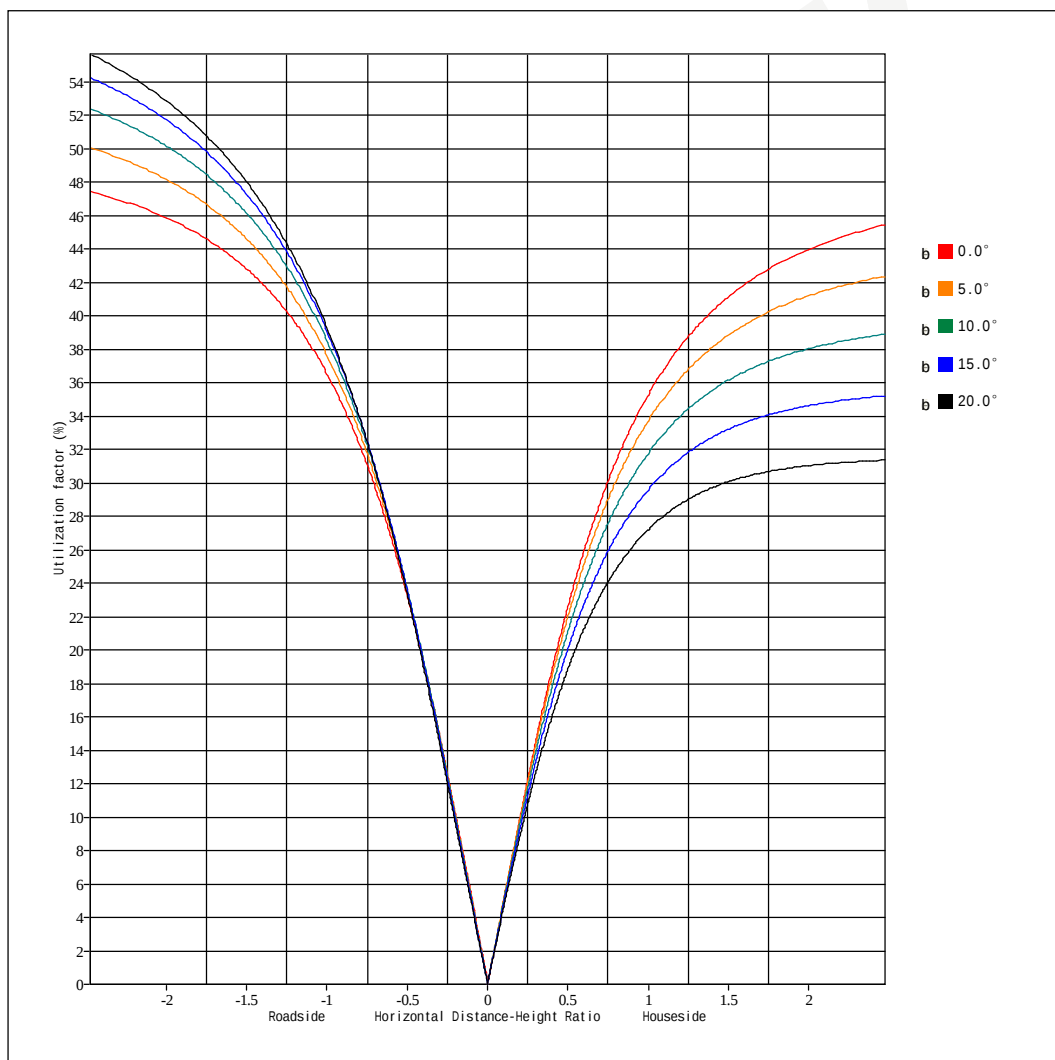
Humidity(%): 60

Date: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-Y	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: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

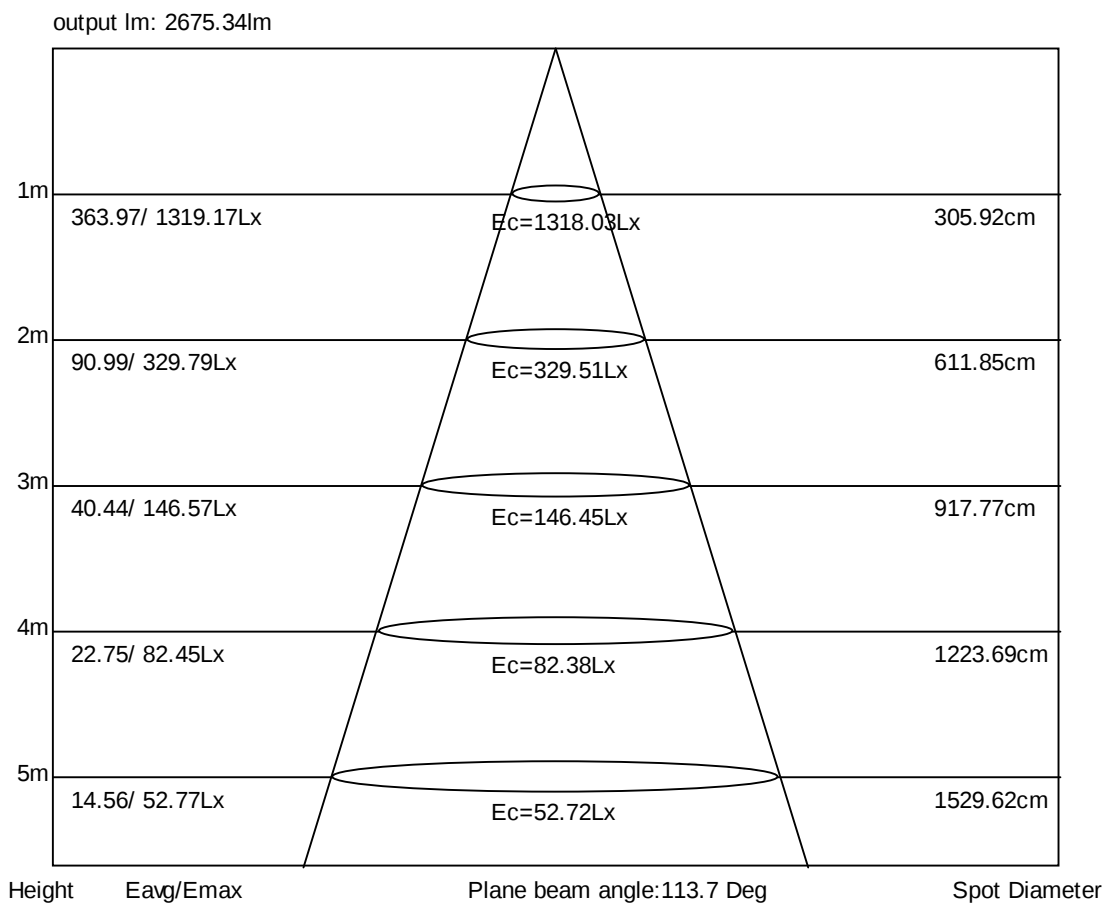
Humidity(%): 60

Date: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-Y	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-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	1311	1315	1315	1317	1314	1311	1312	1305	0-5	31.4	31.4
10	1291	1299	1298	1305	1298	1292	1292	1281	5-10	93.3	125
15	1260	1271	1270	1281	1270	1260	1261	1246	10-15	152	277
20	1218	1232	1231	1246	1231	1218	1219	1200	15-20	205	482
25	1166	1182	1181	1200	1180	1165	1166	1144	20-25	251	733
30	1104	1123	1121	1143	1120	1103	1105	1079	25-30	289	1022
35	1033	1054	1052	1077	1051	1031	1034	1006	30-35	317	1339
40	956	978	975	1003	974	953	956	927	35-40	335	1674
45	872	895	892	920	890	868	872	840	40-45	342	2016
50	783	806	802	833	800	777	782	750	45-50	338	2354
55	689	713	700	740	705	681	687	655	50-55	323	2678
60	593	617	587	642	606	582	589	557	55-60	299	2976
65	494	518	473	543	506	482	490	458	60-65	265	3242
70	394	418	358	441	404	380	389	357	65-70	225	3466
75	295	318	259	340	302	280	289	266	70-75	179	3645
80	205	227	177	239	208	186	198	171	75-80	132	3777
85	118	136	104	151	118	100	110	89.8	80-85	85.6	3863
90	63.6	59.7	58.9	70	47.4	49.7	42.4	43.3	85-90	44.2	3907
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: 2026-1-15

Remark:

Measured Para U: 227.8V I: 353.0mA P: 45.50W PF: 0.566 Test LM: 3906.73lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-DL50MW01-Y	Lamp Spec: LP-DL50MW01-Y	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	1311	1312	1314	1315	1315	1315	1316	1317	1315	1314	1313	1312	1311	1312	1310	1307	1305	1308
10.0	1291	1294	1298	1298	1298	1300	1303	1304	1301	1298	1295	1292	1292	1292	1290	1285	1282	1287
15.0	1260	1265	1270	1271	1271	1273	1278	1280	1275	1270	1266	1261	1261	1261	1258	1251	1247	1254
20.0	1218	1224	1230	1231	1231	1234	1241	1244	1237	1231	1225	1219	1218	1219	1215	1206	1202	1210
25.0	1166	1173	1180	1182	1181	1185	1194	1198	1189	1180	1174	1167	1165	1166	1161	1151	1146	1156
30.0	1104	1112	1121	1122	1121	1126	1136	1140	1130	1120	1113	1105	1104	1104	1099	1087	1082	1093
35.0	1033	1042	1052	1053	1052	1057	1069	1074	1062	1051	1042	1033	1032	1034	1028	1015	1009	1021
40.0	956	966	976	977	976	981	994	1000	987	974	965	955	954	956	950	936	930	943
45.0	872	882	893	894	893	898	911	917	903	890	880	870	869	871	865	851	844	858
50.0	783	793	804	805	803	809	823	829	814	800	790	780	779	781	775	760	753	768
55.0	689	700	711	709	703	709	727	736	720	705	695	684	683	686	680	665	659	674
60.0	593	603	614	607	594	599	624	639	622	606	596	585	585	588	582	568	561	577
65.0	494	504	515	503	483	488	520	539	522	506	495	484	484	488	483	468	462	478
70.0	394	405	415	398	371	376	414	437	420	404	393	382	383	387	382	368	362	378
75.0	295	305	316	299	272	277	313	335	318	302	292	282	283	287	284	273	269	282
80.0	205	214	224	210	188	191	219	236	222	208	198	188	190	195	192	180	175	190
85.0	118	126	134	126	111	114	136	148	133	118	110	102	104	108	106	96.5	92.9	105
90.0	63.6	61.9	60.1	59.4	59	61.3	66.4	67.5	57.3	47.4	48.4	49.4	47.3	44	42.6	43	45.5	54.7
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
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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

Humidity(%): 60

Date: 2026-1-15

Remark: