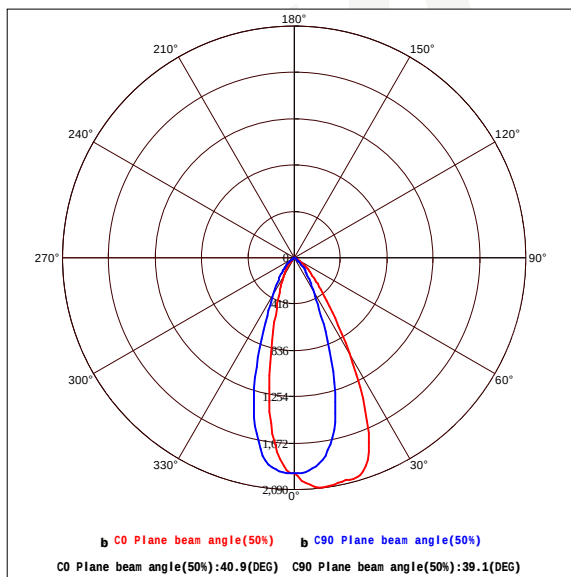


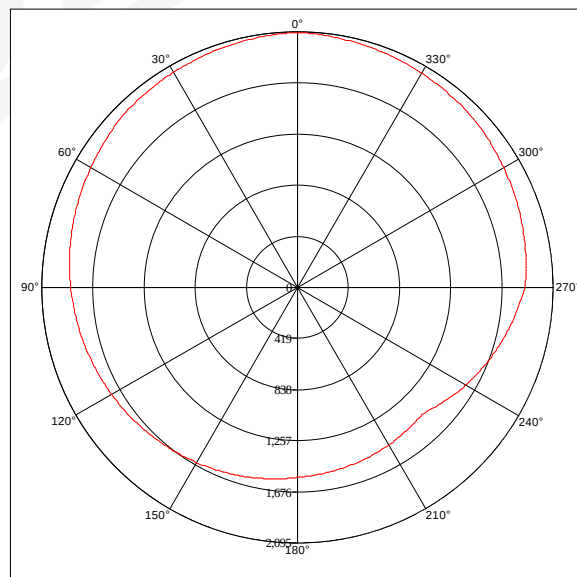
LED DOWN LIGHT

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPDL-15A-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPDL-15A-Y		Peak Value(cd)	2089.8	Efficiency(lm/w)	86.0
Nominal P(w)		1.0	Position	0.0,7.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	1212.099	Down(C0-C180)	52.3
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)	47.7

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): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

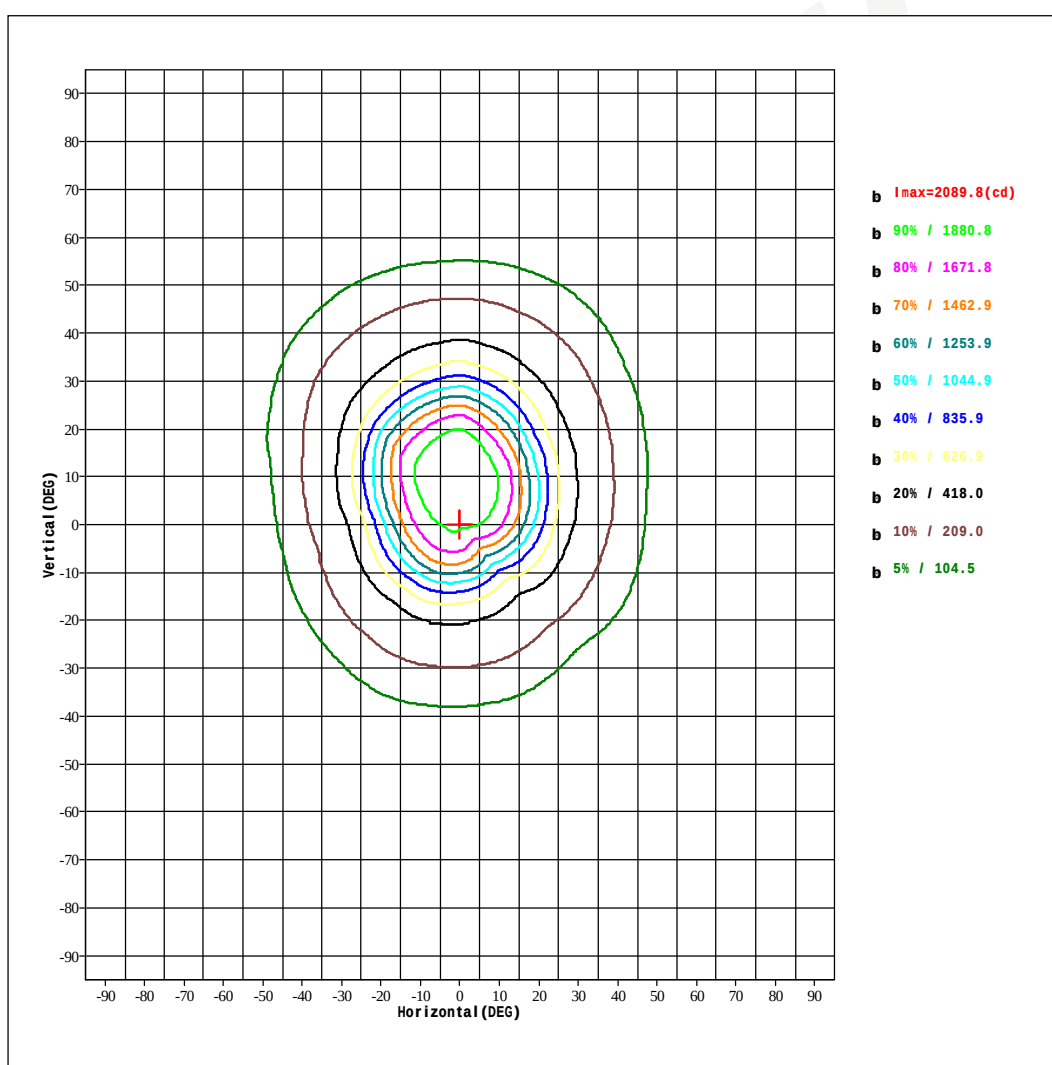
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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: zyg

Distance(m): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

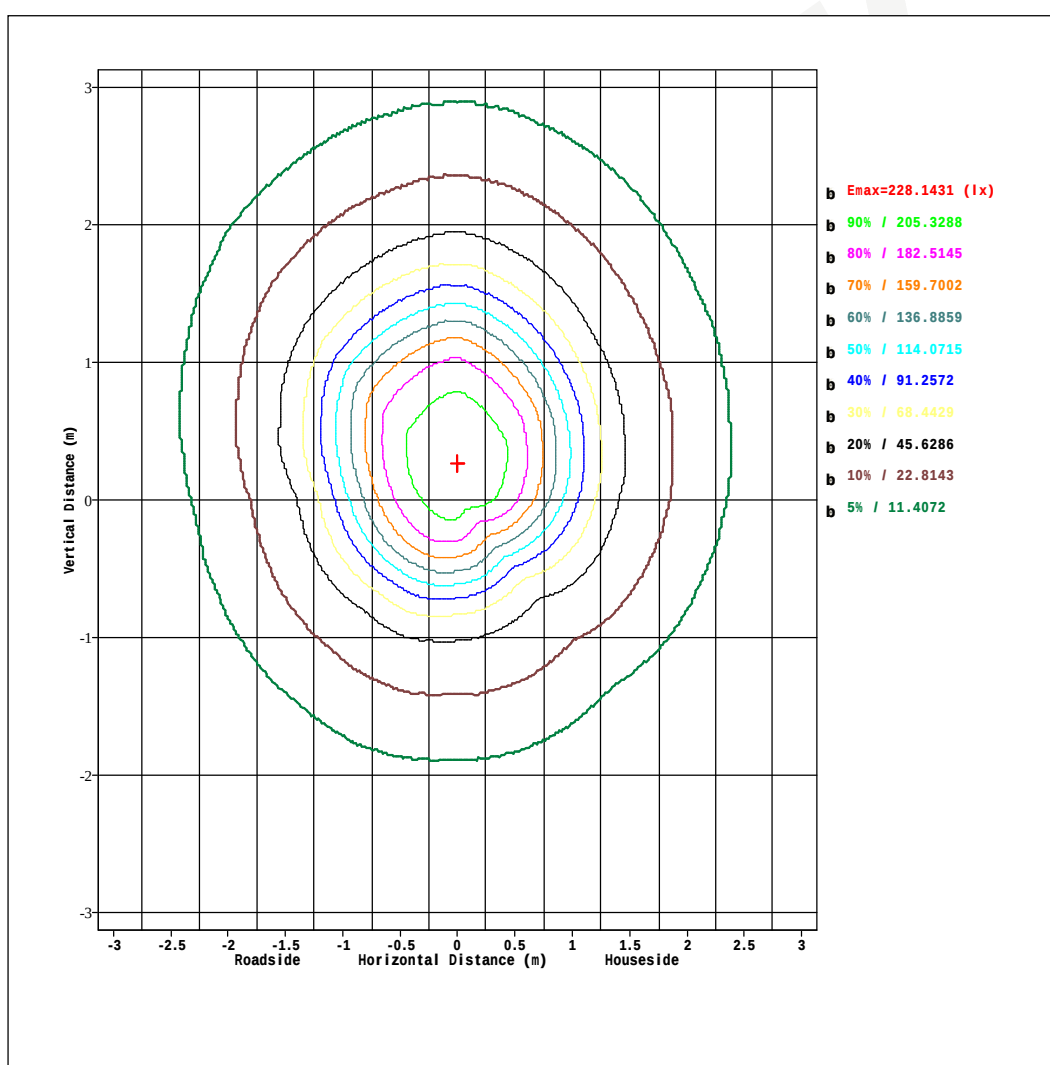
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

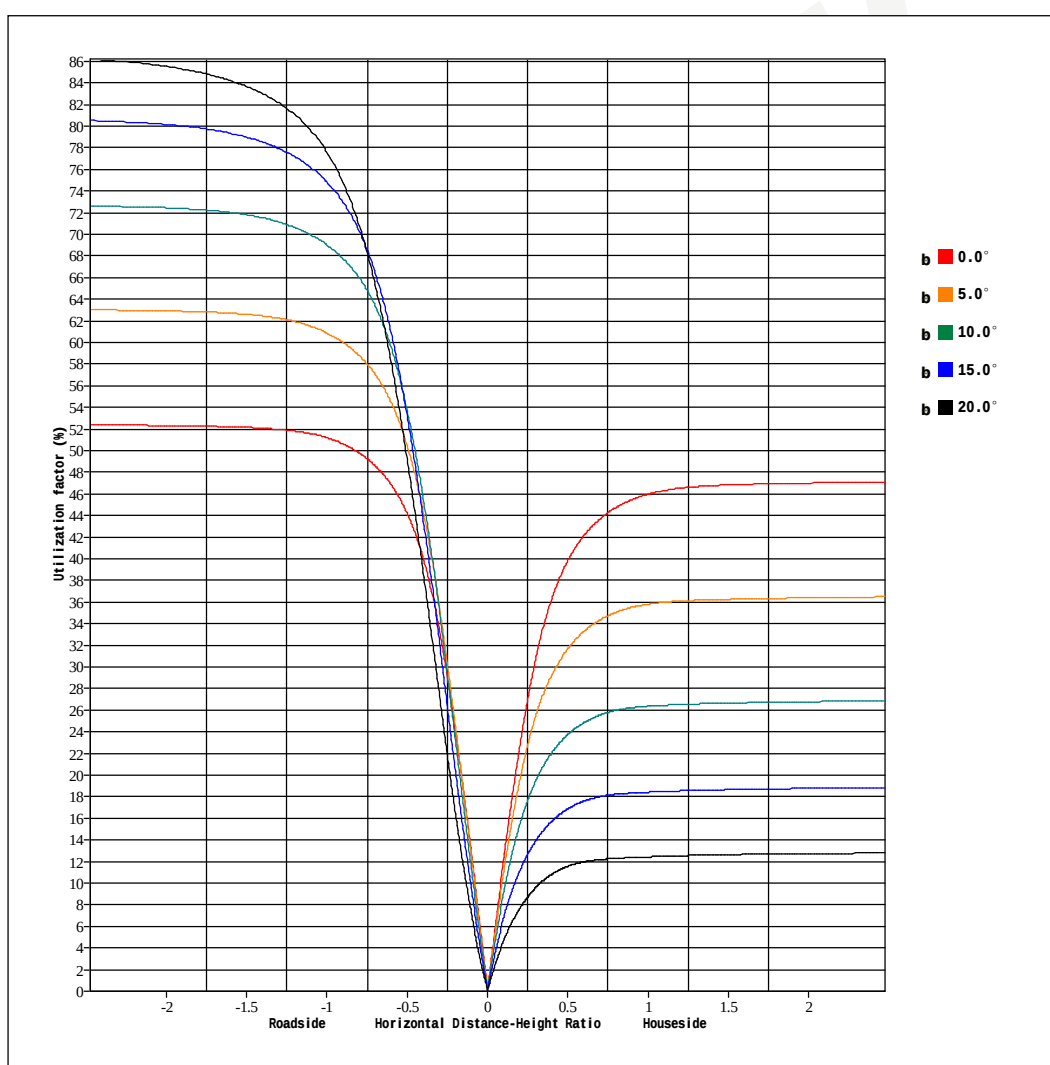
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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: zyg

Distance(m): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

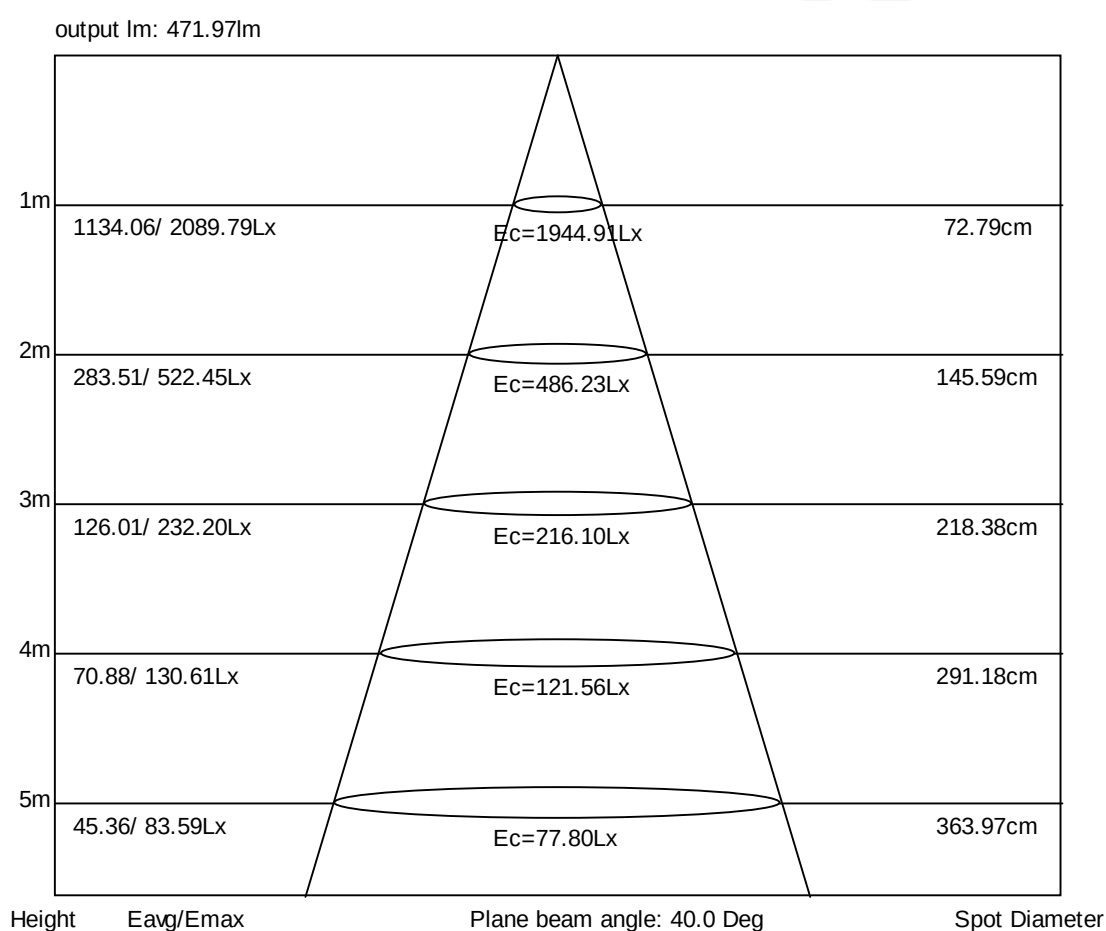
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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: zyg

Distance(m): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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	2077	1996	1902	1813	1723	1617	1911	2001	0-5	45.7	45.7
10	2072	1998	1739	1484	1253	1181	1725	1992	5-10	127	173
15	2063	1949	1402	981	724	692	1358	1847	10-15	181	354
20	1909	1733	947	557	421	420	915	1444	15-20	198	552
25	1467	1310	545	343	277	286	552	958	20-25	183	735
30	946	815	342	233	190	195	369	571	25-30	146	881
35	567	481	228	159	128	131	249	378	30-35	107	989
40	359	313	159	106	59.8	62.8	168	256	35-40	78.1	1067
45	241	214	107	45.6	26.5	29.9	111	170	40-45	55.2	1122
50	161	144	45.5	14	11.6	11.4	55.5	109	45-50	36.6	1158
55	98.7	75.8	13.8	8.81	8.53	8.22	20.9	54.1	50-55	22.7	1181
60	47.1	34.5	8.04	6.56	7.98	7.75	10.9	14.4	55-60	11.6	1193
65	12.2	10.9	4.59	6.37	7.88	7.62	7.97	9.53	60-65	5.69	1198
70	8.52	8.01	2.62	5.92	6.96	6.43	7.74	7.51	65-70	3.76	1202
75	7.16	6.81	2.29	4.4	4.99	4.38	7.43	7.48	70-75	3.19	1205
80	6.92	6.54	1.9	2.62	3.27	2.72	5.98	7.15	75-80	2.75	1208
85	6.16	5.67	1.56	1.41	2.76	2.48	4.02	5.32	80-85	2.25	1210
90	4.64	3.58	1.34	1.45	2.71	2.46	2.35	4.19	85-90	1.76	1212
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): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 217.4V I: 106.0mA P: 14.10W PF: 0.609 Test LM: 1212.10lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-15A-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	2077	2042	2005	1965	1922	1882	1842	1803	1762	1723	1677	1629	1714	1846	1930	1971	2009	2044
10.0	2072	2040	2007	1913	1796	1683	1567	1459	1354	1253	1222	1189	1360	1606	1784	1904	2001	2037
15.0	2063	2013	1962	1770	1522	1310	1119	953	837	724	710	695	910	1213	1465	1686	1870	1968
20.0	1909	1832	1752	1475	1119	862	685	543	481	421	421	420	583	807	1031	1271	1495	1706
25.0	1467	1398	1327	1059	712	501	409	336	306	277	281	285	373	494	640	824	1013	1244
30.0	946	889	829	660	445	318	269	229	209	190	192	195	252	331	413	504	612	782
35.0	567	529	490	398	283	213	182	156	142	128	129	130	170	223	277	336	399	484
40.0	359	339	318	262	192	147	124	101	80.2	59.8	61.1	62.4	97.4	145	187	227	267	314
45.0	241	229	217	179	130	93.5	65.7	43.5	34.9	26.5	28	29.6	56.7	93.6	124	151	178	210
50.0	161	154	146	112	67.1	38.6	24.3	13.7	12.6	11.6	11.5	11.4	25.9	45.9	67.3	91.6	115	138
55.0	98.7	88.7	78.3	55.5	27.4	12.7	10.5	8.78	8.65	8.53	8.39	8.25	12.4	18.1	28.2	43.2	58.9	79.2
60.0	47.1	41.6	35.9	25.8	13.8	7.72	7.05	6.72	7.36	7.98	7.88	7.78	8.79	10.2	11.7	13.3	18	32.8
65.0	12.2	11.6	11.1	8.86	5.98	4.98	5.78	6.53	7.22	7.88	7.76	7.65	7.73	7.89	8.31	9.02	9.82	11
70.0	8.52	8.3	8.07	6.24	3.8	3.34	4.84	6.03	6.5	6.96	6.73	6.49	6.86	7.45	7.69	7.59	7.62	8.08
75.0	7.16	7	6.85	5.33	3.28	2.75	3.71	4.46	4.73	4.99	4.72	4.45	5.38	6.76	7.44	7.46	7.45	7.3
80.0	6.92	6.75	6.58	5.02	2.92	2.06	2.39	2.69	2.99	3.27	3.03	2.78	3.79	5.27	6.24	6.77	7.12	7.02
85.0	6.16	5.95	5.72	4.32	2.46	1.53	1.46	1.55	2.17	2.76	2.64	2.51	2.99	3.68	4.3	4.89	5.41	5.79
90.0	4.64	4.18	3.7	2.85	1.83	1.37	1.41	1.58	2.16	2.71	2.6	2.49	2.42	2.37	2.75	3.59	4.24	4.44
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): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2023-6-9

Remark: