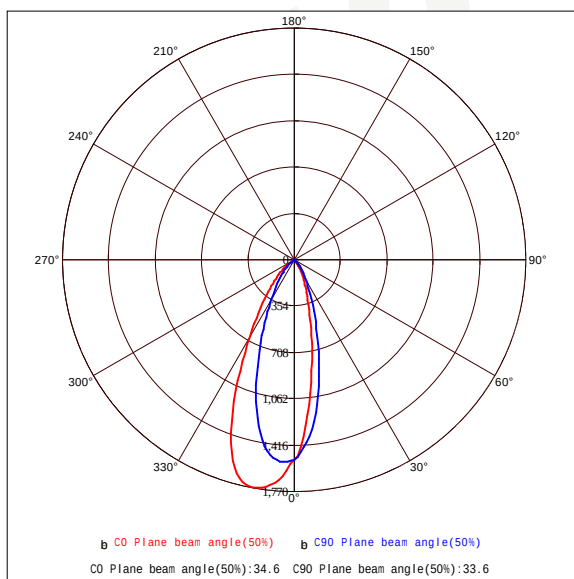


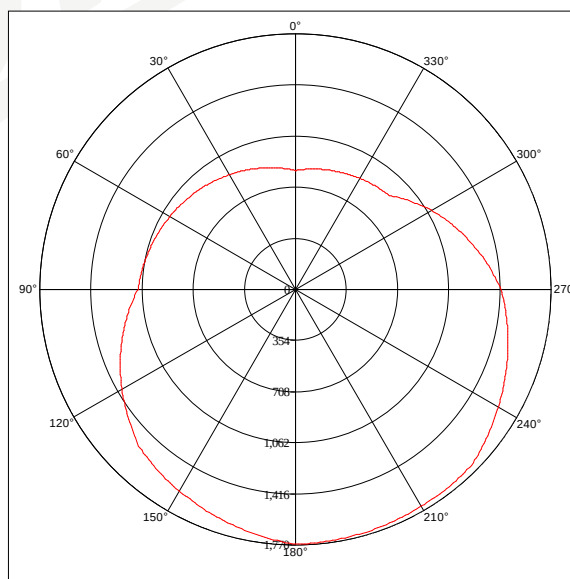
LED DOWN LIGHT

Measured Para U: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPDL-10A-Y		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPDL-10A-Y		Peak Value(cd)	1766.0	Efficiency(lm/w)	86.2
Nominal P(w)		1.0	Position	180.0,9.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	818.973	Down(C0-C180)	45.1
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)	54.9

Planar Intensity Distribution Curve



Peak Point Conical surface Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxc

Distance(m): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

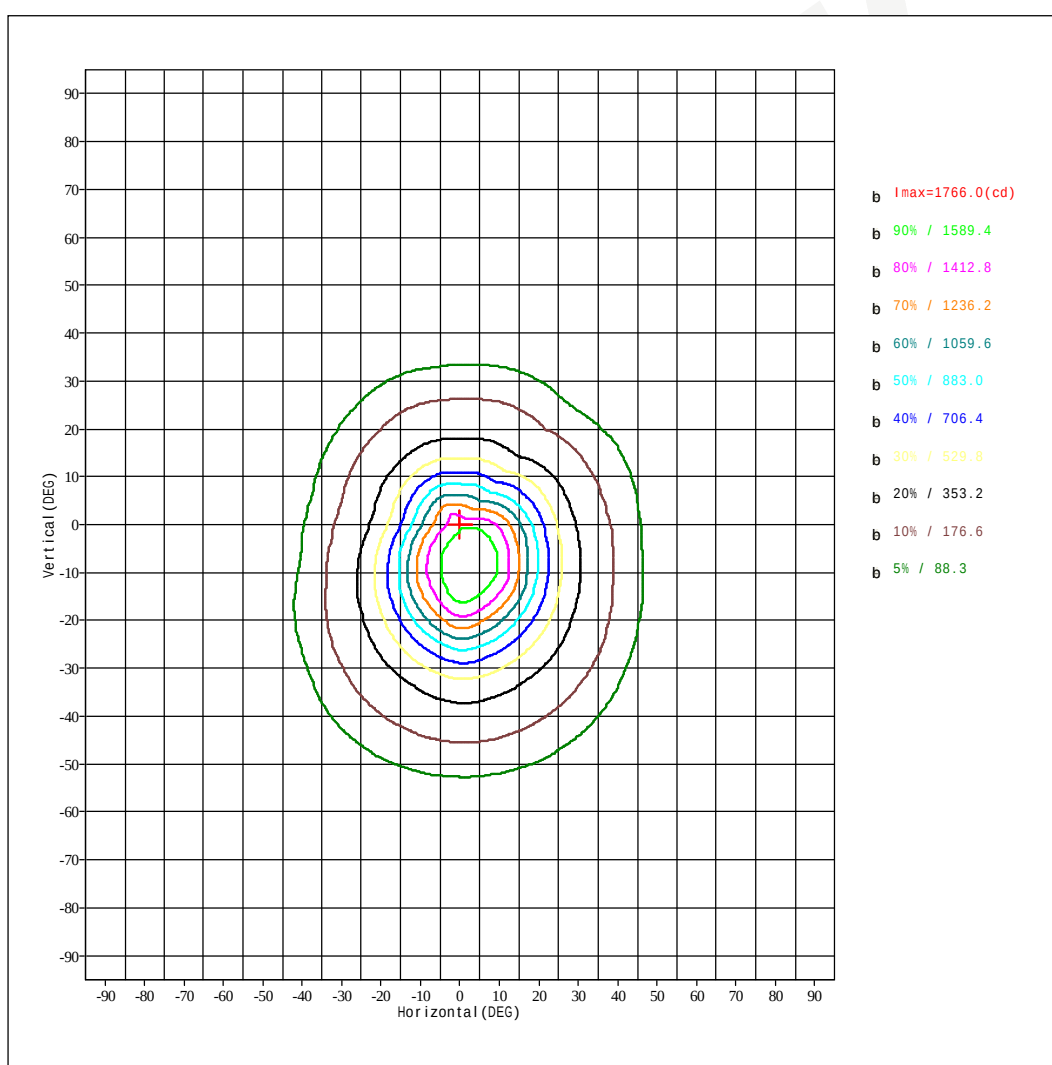
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

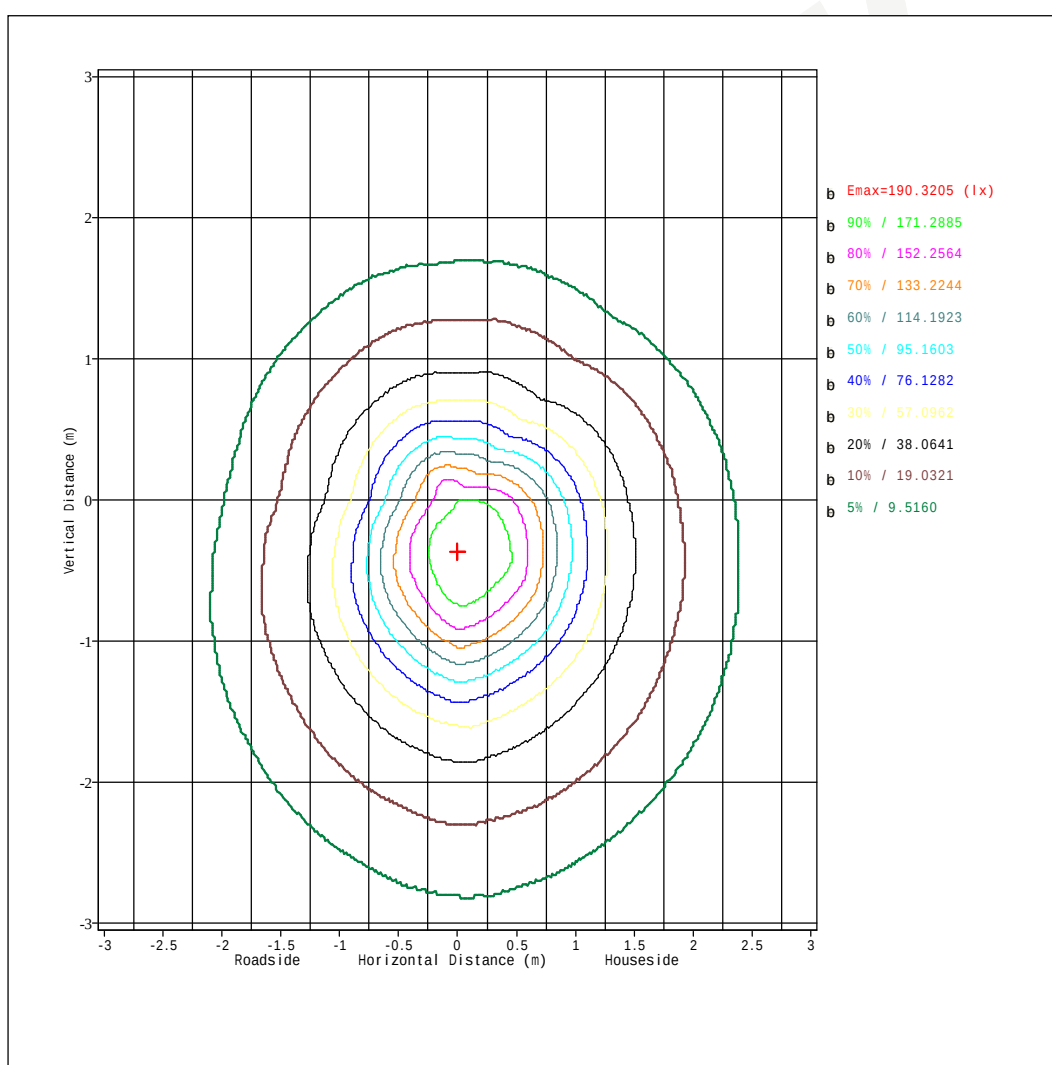
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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

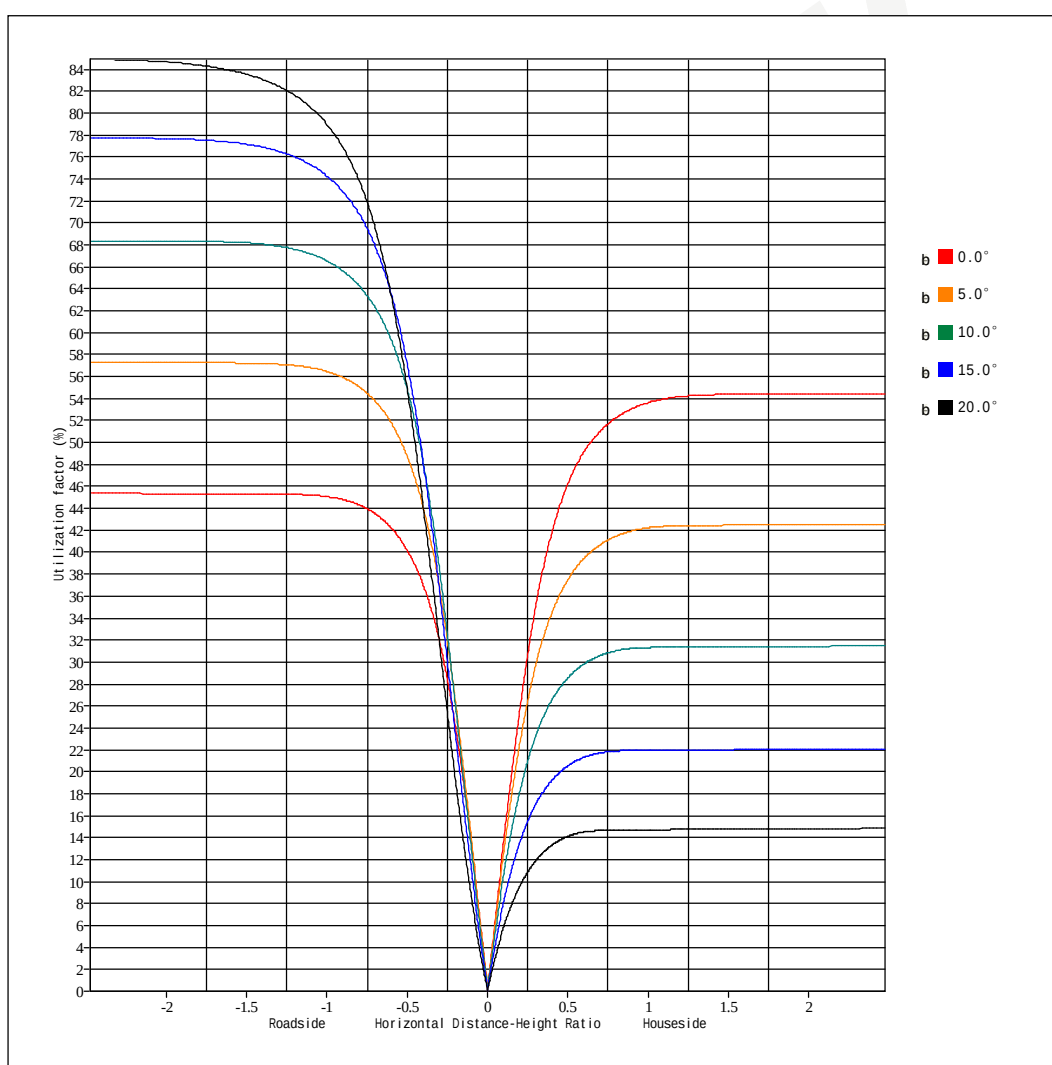
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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: zxg

Distance(m): 7.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

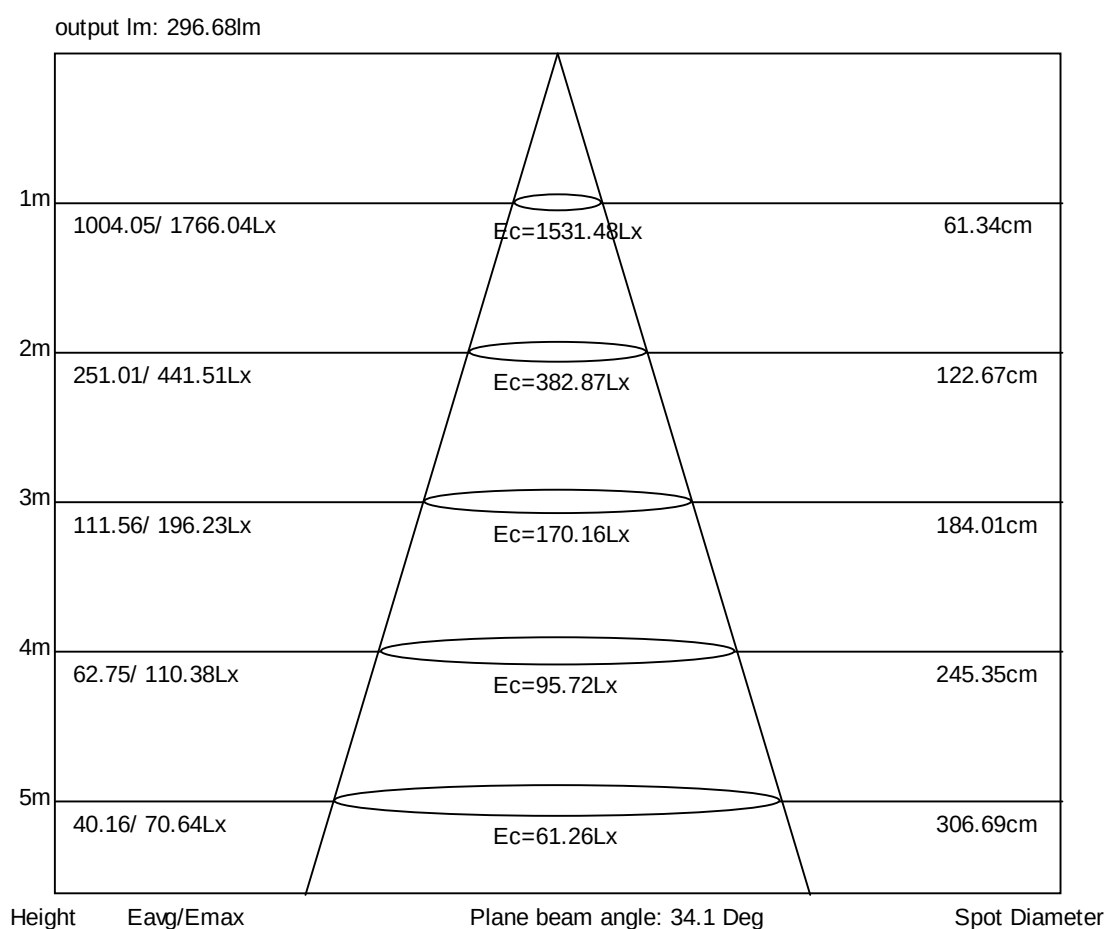
Humidity(%): 60

Date: 2023-6-9

Remark:

Measured Para U: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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): 7.500

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: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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	1148	1291	1331	1567	1722	1723	1532	1197	0-5	35.4	35.4
10	754	886	1022	1504	1766	1710	1379	855	5-10	95.2	131
15	459	554	693	1260	1671	1520	1088	556	10-15	130	261
20	282	337	441	920	1372	1167	768	351	15-20	137	398
25	178	212	277	621	976	800	507	226	20-25	122	520
30	115	137	180	400	651	523	329	147	25-30	97.5	618
35	61.4	81.4	118	258	425	339	214	95.3	30-35	73.8	691
40	22.1	42	66.1	169	275	219	141	49.3	35-40	52.8	744
45	2.3	6.06	24.1	110	179	140	85.5	9.29	40-45	34.9	779
50	0.75	1.33	2.54	62.7	114	82.1	46	1.47	45-50	21.3	800
55	0.36	0.53	0.79	13.1	65.9	34.1	7.63	0.92	50-55	11.6	812
60	0.47	0.64	0.34	1.79	12.5	3.22	1.81	0.83	55-60	3.6	816
65	0.56	0.62	0.44	0.8	1.96	1.22	0.89	1.03	60-65	0.72	816
70	0.68	0.77	0.47	0.51	0.96	0.71	0.97	1.31	65-70	0.44	817
75	0.75	0.83	0.66	0.56	0.86	0.89	1.07	1.55	70-75	0.45	817
80	0.88	0.89	0.7	0.74	1.09	1.16	1.42	1.7	75-80	0.53	818
85	0.85	0.9	0.86	0.73	1.31	1.45	1.63	1.8	80-85	0.61	818
90	0.84	0.98	0.89	0.86	1.51	1.62	1.77	1.81	85-90	0.69	819
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: 215.5V I: 72.0mA P: 9.50W PF: 0.611 Test LM: 818.97lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPDL-10A-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	1148	1211	1275	1304	1323	1383	1489	1584	1654	1722	1723	1723	1660	1574	1459	1307	1192	1170
10.0	754	812	872	931	992	1127	1346	1533	1651	1766	1741	1716	1602	1451	1264	1027	844	798
15.0	459	501	544	600	663	817	1074	1305	1491	1671	1605	1536	1378	1183	972	731	545	501
20.0	282	306	331	371	418	546	763	970	1175	1372	1282	1189	1036	855	677	487	343	312
25.0	178	193	208	234	263	352	508	659	821	976	899	819	704	571	446	318	220	199
30.0	115	124	134	151	171	228	328	428	541	651	595	537	459	372	289	207	144	129
35.0	61.4	70.1	79.2	93.5	110	149	212	277	352	425	387	348	298	242	188	134	91.6	76.2
40.0	22.1	30.8	39.8	49.9	60.8	88.6	135	181	229	275	250	225	193	158	121	79.4	46.4	34
45.0	2.3	3.95	5.65	12	20.2	43	82.1	118	149	179	162	144	122	97.5	68.9	34.3	8.53	5.36
50.0	0.75	1	1.26	1.73	2.28	15.7	43	68.3	91.3	114	99.8	85.6	70.3	53.9	36.2	16.1	1.39	1.07
55.0	0.36	0.43	0.51	0.62	0.74	3.5	9.09	18.9	42.8	65.9	52	37.6	25.4	13.4	6.16	3.12	0.86	0.6
60.0	0.47	0.55	0.62	0.54	0.41	0.66	1.31	2.96	7.79	12.5	8.41	4.23	2.75	2.11	1.59	1.15	0.79	0.63
65.0	0.56	0.59	0.62	0.56	0.48	0.52	0.68	0.93	1.45	1.96	1.64	1.3	1.11	0.96	0.92	0.98	0.98	0.76
70.0	0.68	0.72	0.76	0.67	0.54	0.48	0.5	0.56	0.76	0.96	0.85	0.74	0.8	0.92	1.05	1.2	1.24	0.96
75.0	0.75	0.79	0.82	0.78	0.7	0.64	0.6	0.6	0.73	0.86	0.87	0.89	0.95	1.03	1.17	1.39	1.46	1.1
80.0	0.88	0.89	0.89	0.83	0.74	0.71	0.73	0.78	0.94	1.09	1.12	1.15	1.24	1.36	1.48	1.61	1.61	1.24
85.0	0.85	0.87	0.89	0.89	0.86	0.83	0.77	0.79	1.05	1.31	1.37	1.44	1.51	1.59	1.67	1.74	1.7	1.27
90.0	0.84	0.9	0.96	0.95	0.91	0.89	0.87	0.93	1.23	1.51	1.56	1.61	1.67	1.73	1.77	1.79	1.7	1.26
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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: