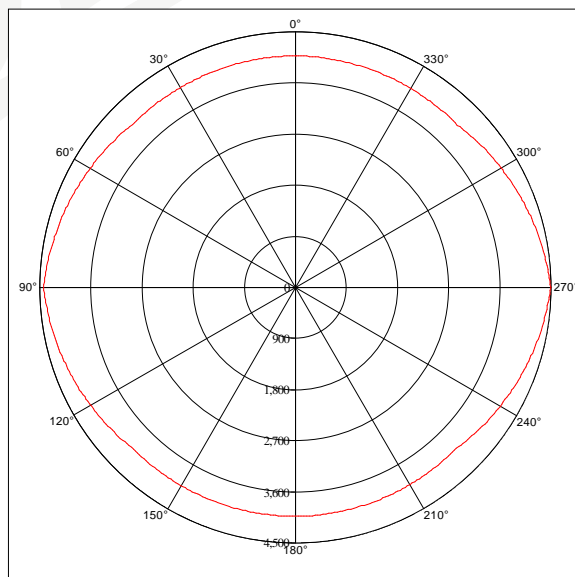
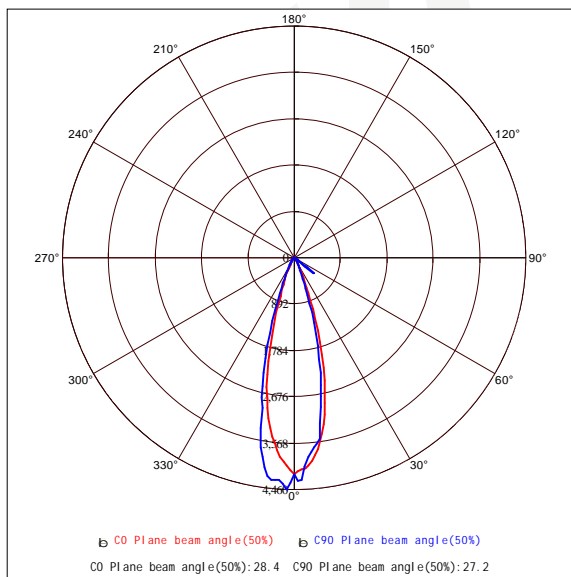


## LED DOWN LIGHT

Measured Para   U: 216.3V   I: 105.5mA   P: 14.20W   PF: 0.622   Test LM: 1179.67lm						
Lamp Name: LED DOWN LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPDL-15A-Y			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)	4498.2	Efficiency(lm/w)	83.1
Nominal P(w)		1.0	Position	270.0, 1.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	1179.667	Down(C0-C180)	51.1
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)	48.9

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): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

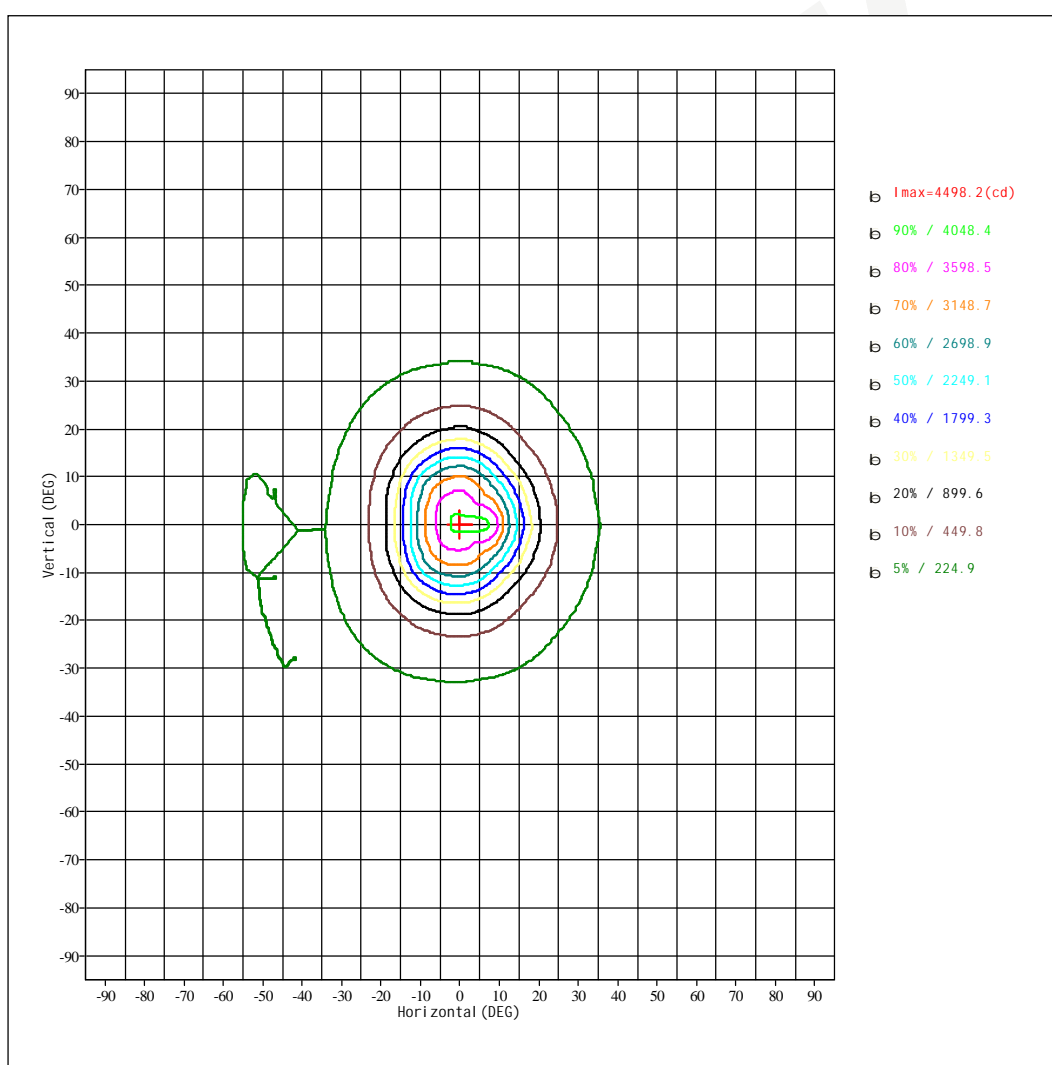
Humidity(%): 60

Date: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-15A-Y	Lamp Spec: LPDL-15A-Y	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: zxcg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

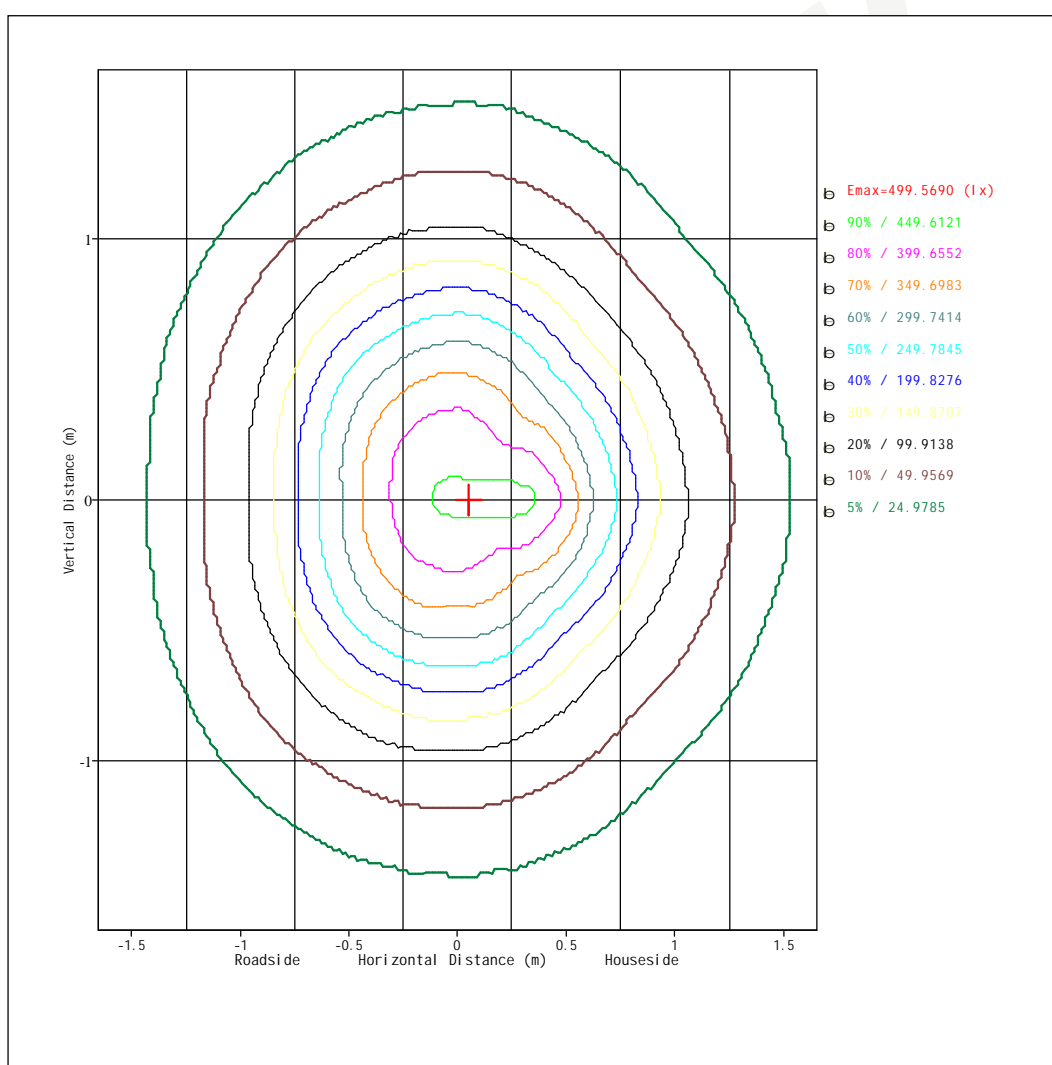
Humidity(%): 60

Date: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-15A-Y	Lamp Spec: LPDL-15A-Y	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

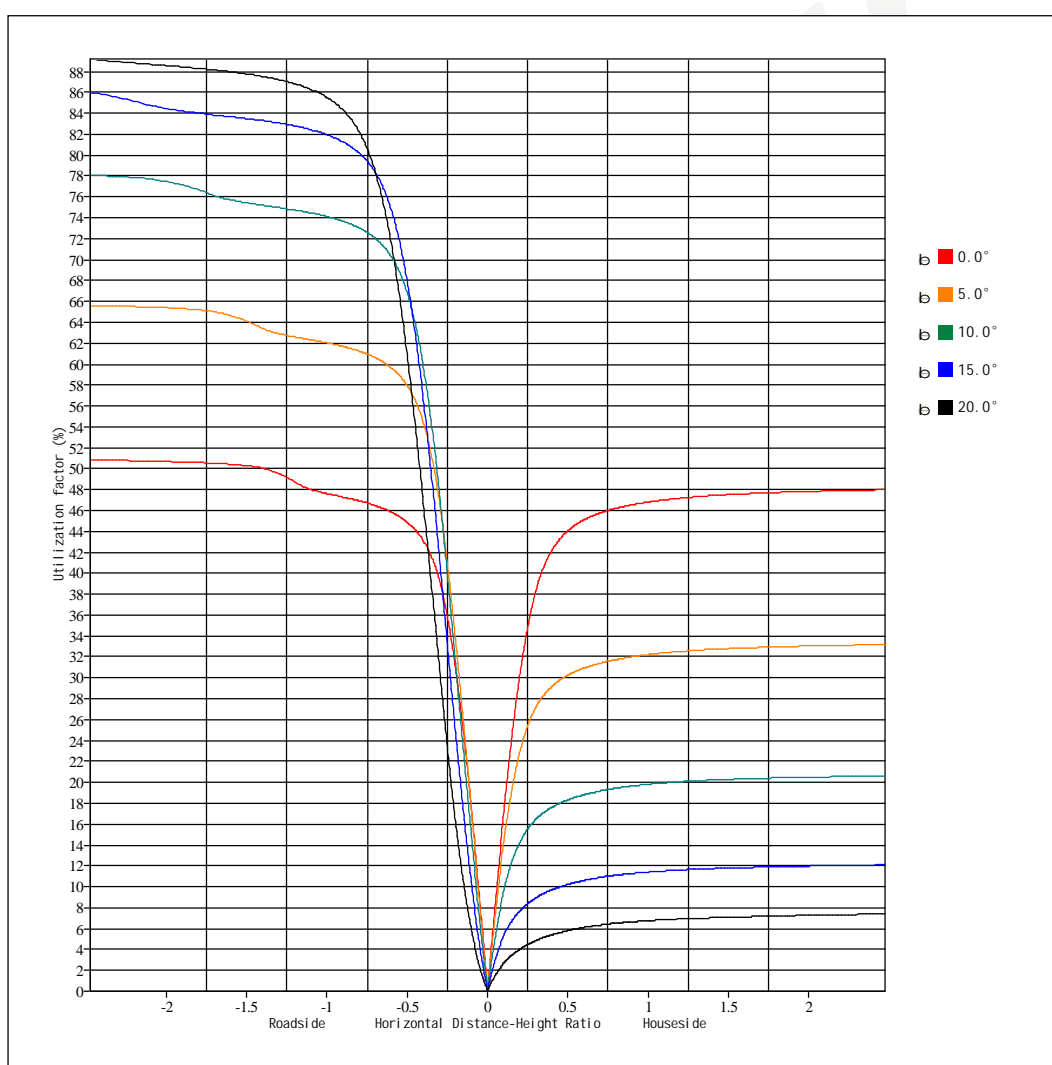
Humidity(%): 60

Date: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-15A-Y	Lamp Spec: LPDL-15A-Y	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: zxcg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

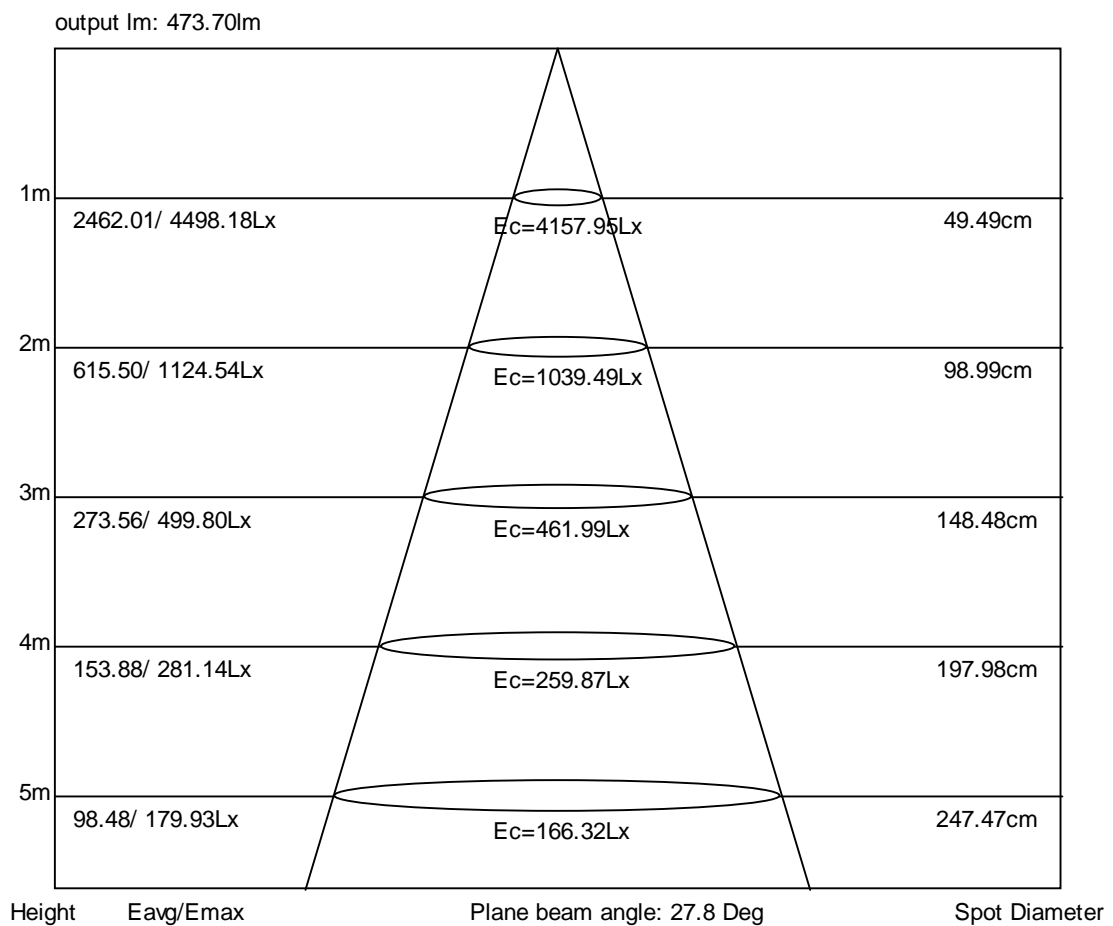
Humidity(%): 60

Date: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-15A-Y	Lamp Spec: LPDL-15A-Y	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: 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: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPDL-15A-Y	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	3878	3872	3722	3752	3668	3644	4291	3725	0-5	94.6	94.6
10	3162	3151	2830	3031	2847	2797	3598	2955	5-10	246	341
15	2066	2049	1647	1897	1677	1547	2138	1779	10-15	287	628
20	962	926	696	828	713	646	985	747	15-20	208	836
25	395	373	282	337	308	288	405	319	20-25	111	947
30	188	170	146	161	152	136	195	158	25-30	59.6	1007
35	99.3	87.1	85.8	88.6	82.9	74.4	109	85	30-35	35.3	1042
40	60.2	55.4	58.2	59.2	53.8	51.4	67.3	55.1	35-40	23.6	1066
45	43.7	42.6	49.4	45.5	42.4	40.5	50.6	40.8	40-45	18.6	1084
50	35.4	36	434	36.8	33.9	32.3	41.8	29.6	45-50	18.7	1103
55	24.9	27.6	190	26.8	24.1	21.4	31.5	19.3	50-55	31.6	1135
60	17.3	19.3	28.8	18.3	17	15.2	25.3	13.5	55-60	12.8	1147
65	12.5	14.3	19.8	13.2	11.8	10.6	21.4	8.97	60-65	8.1	1156
70	9.02	10.5	14.8	10.2	9.18	7.17	19	7.48	65-70	6.16	1162
75	6.76	8.19	9.87	7.74	7.32	6.14	11.6	6.46	70-75	4.73	1166
80	5.93	7.12	13.5	7.01	7.42	6.49	14.7	6.69	75-80	4.24	1171
85	5.59	6.73	11.8	6.59	7.68	6.6	15.2	6.84	80-85	4.6	1175
90	5.32	6.26	10.2	6.11	7.48	6.49	19.6	6.66	85-90	4.44	1180
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: 2023-8-14

Remark:

Measured Para U: 216.3V I: 105.5mA P: 14.20W PF: 0.622 Test LM: 1179.67lm		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LPDL-15A-Y	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	3878	3875	3872	3822	3754	3728	3742	3743	3705	3668	3658	3646	3856	4149	4167	3911	3742	3811
10.0	3162	3157	3152	3045	2900	2874	2965	3011	2927	2847	2825	2803	3060	3423	3458	3166	2978	3071
15.0	2066	2058	2051	1917	1735	1702	1815	1873	1773	1677	1620	1562	1741	2009	2059	1897	1810	1940
20.0	962	946	930	851	746	724	784	815	763	713	684	653	757	911	933	825	770	868
25.0	395	385	375	343	302	294	319	334	321	308	299	291	327	380	386	347	327	362
30.0	188	180	172	162	151	149	156	160	156	152	145	138	155	182	186	170	161	175
35.0	99.3	93.9	88.4	86.7	86	86.4	87.7	88	85.4	82.9	79.2	75.4	85.6	101	103	92.8	86.6	93
40.0	60.2	58.1	55.9	56.3	57.5	58.4	58.9	58.7	56.2	53.8	52.8	51.6	56.6	63.8	64.6	59.1	55.6	58
45.0	43.7	43.2	42.7	44.8	47.9	48.5	46.7	45.1	43.7	42.4	41.5	40.7	43.8	48.4	48.5	44.1	41.2	42.5
50.0	35.4	35.7	35.9	167	347	347	167	36.5	35.2	33.9	33.2	32.4	35.4	39.7	39.2	33.6	30.2	32.9
55.0	24.9	26.1	27.3	80.9	154	154	80.4	26.5	25.3	24.1	22.9	21.7	24.7	29.3	28.8	23.3	19.9	22.5
60.0	17.3	18.2	19.1	22.4	26.7	26.5	21.8	18.2	17.6	17	16.2	15.4	18.5	23.1	22.7	17.3	13.9	15.6
65.0	12.5	13.3	14.1	16.1	18.6	18.3	15.4	13	12.4	11.8	11.3	10.7	14.1	19	18.7	13	9.36	11
70.0	9.02	9.67	10.3	11.9	13.8	13.8	11.7	10.1	9.61	9.18	8.3	7.39	11.1	16.4	16.5	11.3	7.64	8.35
75.0	6.76	7.39	8.04	8.74	9.5	9.4	8.44	7.69	7.5	7.32	6.8	6.27	7.93	10.4	10.5	8.15	6.49	6.63
80.0	5.93	6.45	6.99	9.22	12.1	12.1	9.14	7.05	7.24	7.42	7.01	6.59	9.18	12.9	12.9	9.32	6.61	6.27
85.0	5.59	6.09	6.6	8.4	10.7	10.7	8.31	6.71	7.2	7.68	7.21	6.72	9.42	13.3	13.4	9.58	6.7	6.13
90.0	5.32	5.73	6.16	7.54	9.31	9.28	7.44	6.26	6.88	7.48	7.04	6.6	10.8	16.7	16.8	10.9	6.52	5.91
95.0																		
100.0																		
105.0																		
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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: 2023-8-14

Remark: