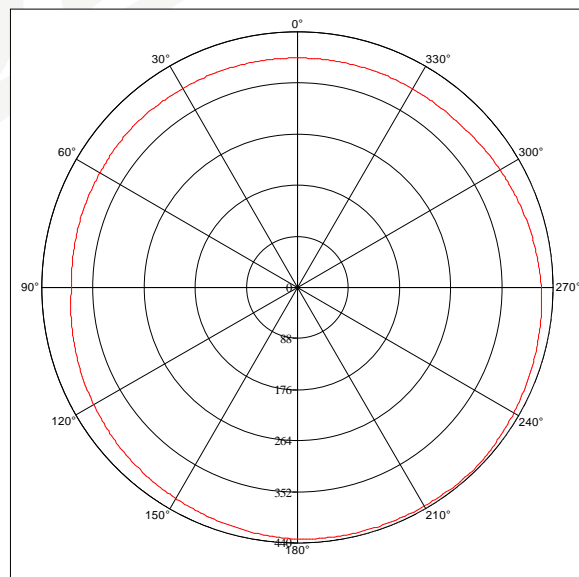
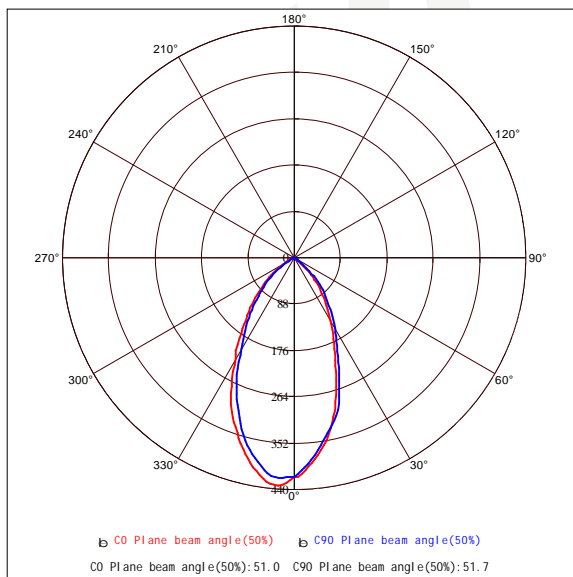


### Goniophotometer Test Report

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.031m						
Lamp Name: LED DOWN LIGHT		Lamp Type:		Weight(kg):		
Lamp ID: LP-CL05G01-Y		Lamp Spec:		Shape Size:		
Manufactory: LIPER		Sur(m <sup>2</sup> ):		Protect Angle(Deg):		
Light Source Data			Photometric Data			
Model	LP-CL05G01-Y		Peak Value(cd)	436.5	Efficiency(lm/w)	88.6
Nominal P(w)	1.0		Position	225.0, 4.0	UP(C0-C180)	0.0
Rated Volt(v)	1.0		Total Flux(lm)	435.03	Down(C0-C180)	47.6
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)	52.4

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

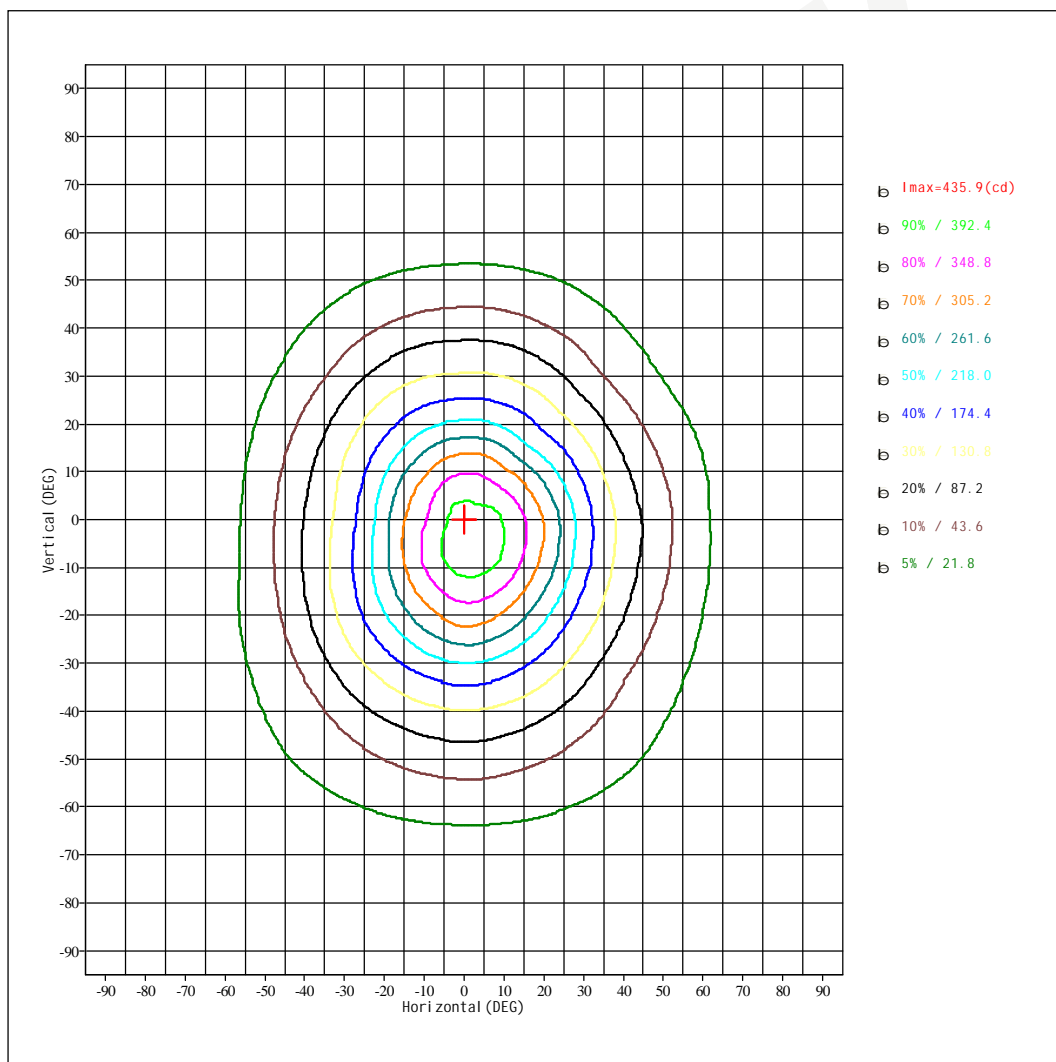
Humi dity(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.03l		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL05G01-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: zxcg

Distance(m): 8.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

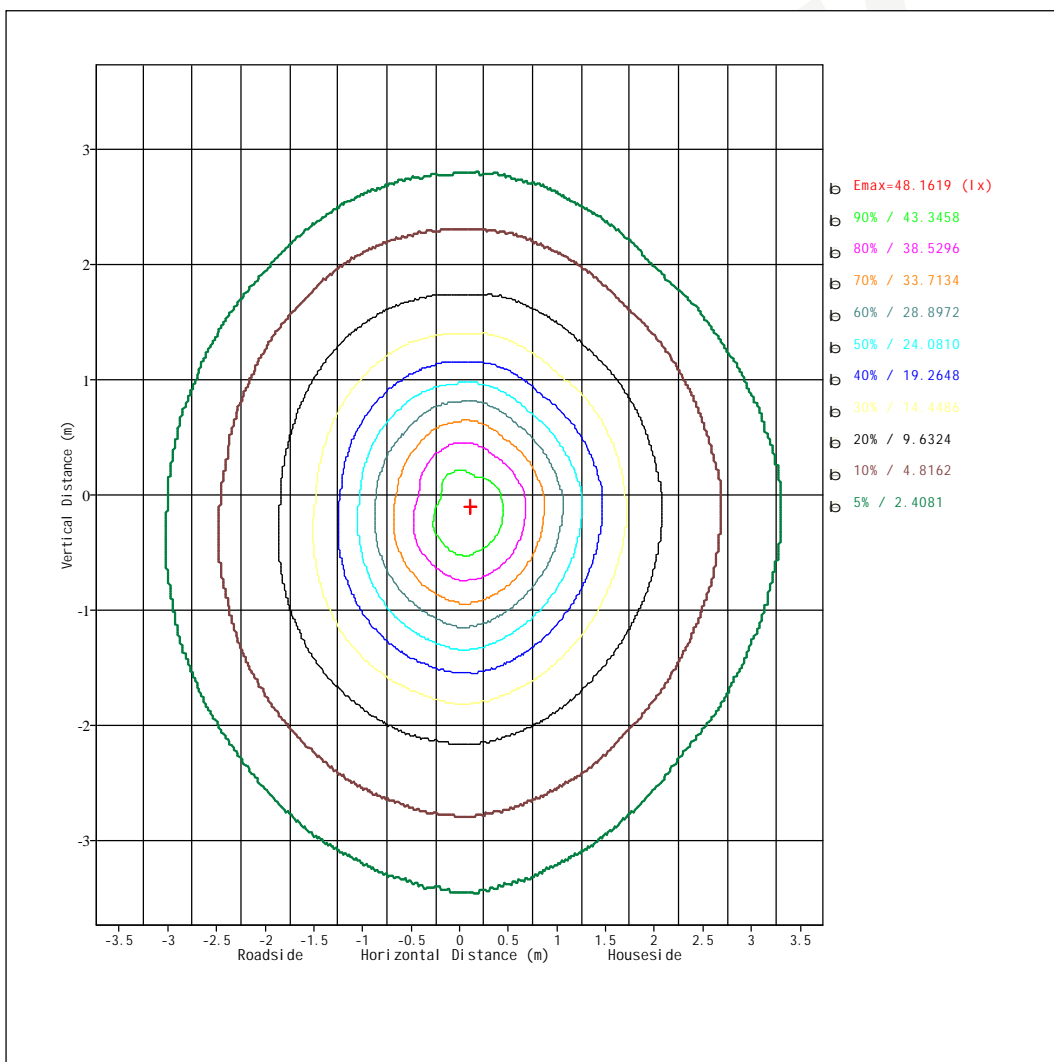
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.03l		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL05G01-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

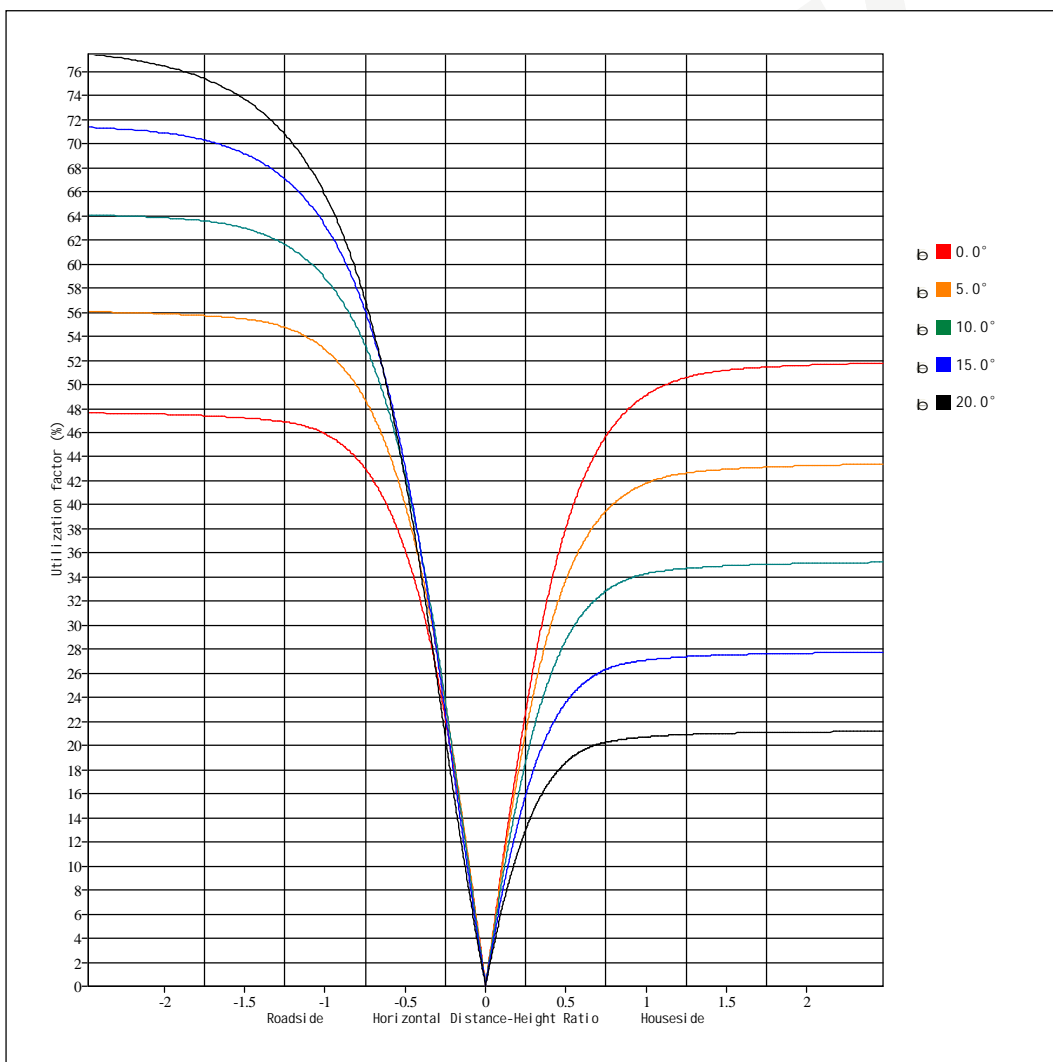
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.03l		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL05G01-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

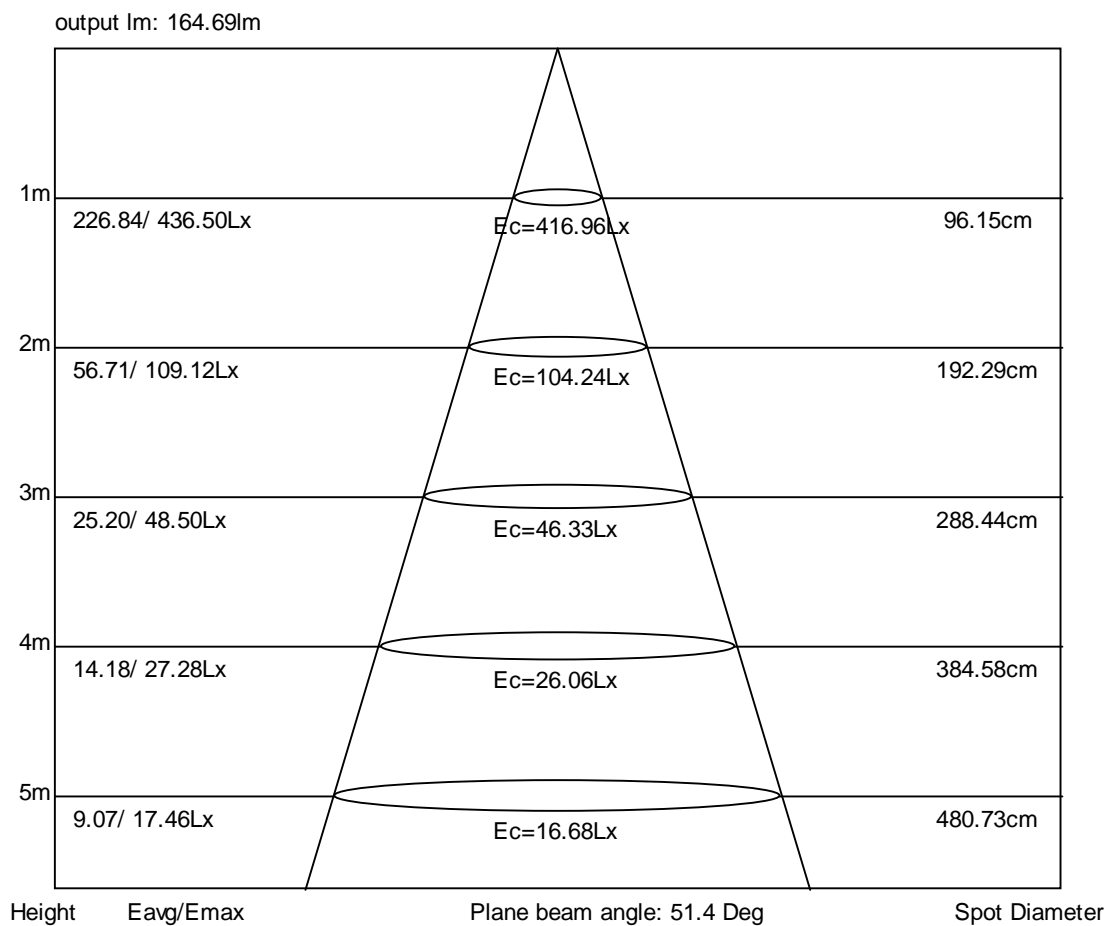
Humi di ty(%): 60

Date: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.03l		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL05G01-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: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.03l		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LP-CL05G01-Y	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	387	389	381	410	433	434	418	390	0-5	9.83	9.83
10	348	340	342	382	409	408	390	354	5-10	27.7	37.6
15	293	285	306	339	371	371	354	306	10-15	41.4	79
20	226	232	244	289	329	313	305	240	15-20	49.3	128
25	175	182	190	243	277	259	253	188	20-25	51.5	180
30	135	146	151	194	217	204	195	148	25-30	49.6	229
35	103	109	115	154	170	158	154	110	30-35	45.2	275
40	71.9	75.3	87.5	115	130	118	117	75.6	35-40	38.6	313
45	42.8	39.2	60.8	79.6	97.4	77	84.4	40.8	40-45	30.3	344
50	14.7	14.2	26.2	44.5	68.7	45.2	59.8	13	45-50	20.1	364
55	7.22	7.56	9.48	13.8	39.4	18.6	28.2	7.22	50-55	10.9	374
60	5.51	5.61	6.62	8.57	17	10.3	12.2	5.57	55-60	5.53	380
65	2.92	3.21	3.23	6.46	9.1	6.55	7.72	3.5	60-65	3.32	383
70	2.07	2.24	2.09	3.78	6.99	4.58	5.31	2.54	65-70	2.3	386
75	1.45	1.47	1.45	2.72	3.48	3.01	3.07	1.76	70-75	1.5	387
80	0.88	0.88	0.87	1.89	2.57	2.12	2.15	1.09	75-80	1.02	388
85	0.46	0.57	0.5	1.16	1.77	1.41	1.32	0.62	80-85	0.67	389
90	0.32	0.54	0.45	0.57	0.99	0.96	0.69	0.62	85-90	0.44	389
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: 2023-11-7

Remark:

Measured Para U: 216.9V I: 42.6mA P: 4.91W PF: 0.531 Test LM: 435.031		
Lamp Name: LED DOWN LIGHT	Lamp Type:	Weight (kg):
Lamp ID: LP-CL05G01-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	387	388	389	386	383	387	400	412	423	433	433	434	429	421	412	399	390	388
10.0	348	344	341	340	341	351	369	385	397	409	409	408	402	394	382	366	353	350
15.0	293	289	286	292	301	313	328	343	357	371	371	371	366	358	344	322	304	298
20.0	226	228	231	236	241	254	274	294	312	329	322	315	311	307	291	262	239	232
25.0	175	178	182	185	188	202	225	246	262	277	269	261	257	254	239	210	187	181
30.0	135	140	144	147	150	160	180	196	207	217	211	206	201	197	185	163	147	141
35.0	103	105	108	111	114	124	141	155	163	170	164	159	156	155	144	124	109	106
40.0	71.9	73.4	74.9	79.3	84.8	93.6	106	117	124	130	125	119	117	117	108	89.2	75.2	73.5
45.0	42.8	41.2	39.6	46.3	56.1	64.9	73.4	81.5	89.6	97.4	88.5	79.2	79.4	82.8	74.8	55.1	41.1	42
50.0	14.7	14.5	14.2	18.1	23.6	30.2	38.5	47.2	58.1	68.7	58.4	47.8	50	56.6	49.6	28.3	13.2	13.9
55.0	7.22	7.37	7.52	8.19	9.06	10.4	12.4	16.6	28.2	39.4	30.3	20.9	21.7	26.1	23.6	14.1	7.22	7.22
60.0	5.51	5.55	5.6	5.94	6.4	7.04	7.93	9.49	13.3	17	14.1	11	10.9	11.8	10.7	7.74	5.57	5.54
65.0	2.92	3.05	3.18	3.22	3.23	3.94	5.4	6.75	7.95	9.1	7.99	6.83	6.94	7.47	6.8	4.89	3.44	3.18
70.0	2.07	2.14	2.22	2.19	2.12	2.46	3.23	4.13	5.59	6.99	5.93	4.84	4.82	5.15	4.71	3.45	2.49	2.27
75.0	1.45	1.46	1.47	1.47	1.46	1.73	2.3	2.8	3.15	3.48	3.28	3.07	3.03	3.05	2.78	2.19	1.73	1.59
80.0	0.88	0.88	0.88	0.88	0.87	1.09	1.55	1.96	2.27	2.57	2.37	2.17	2.13	2.14	1.92	1.44	1.06	0.97
85.0	0.46	0.51	0.56	0.55	0.51	0.64	0.95	1.23	1.51	1.77	1.61	1.45	1.38	1.34	1.17	0.85	0.6	0.53
90.0	0.32	0.42	0.52	0.51	0.47	0.47	0.53	0.62	0.8	0.99	0.97	0.96	0.87	0.75	0.68	0.64	0.59	0.45
95.0																		
100.0																		
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165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2023-11-7

Distance(m): 8.000

Remark:

Test System: ZWL Goniophotometer System V3.0