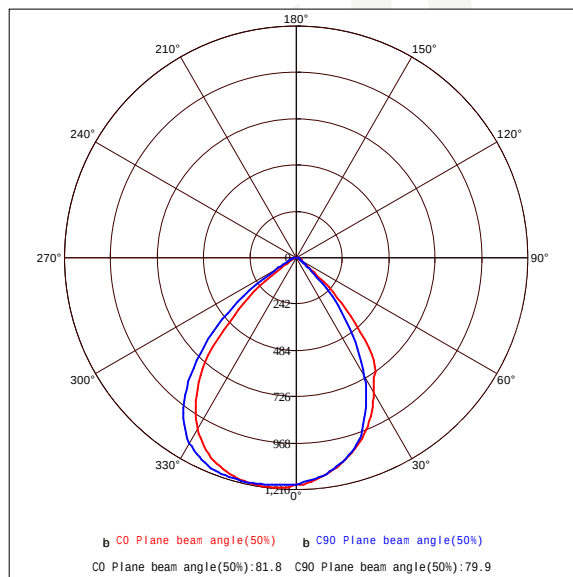


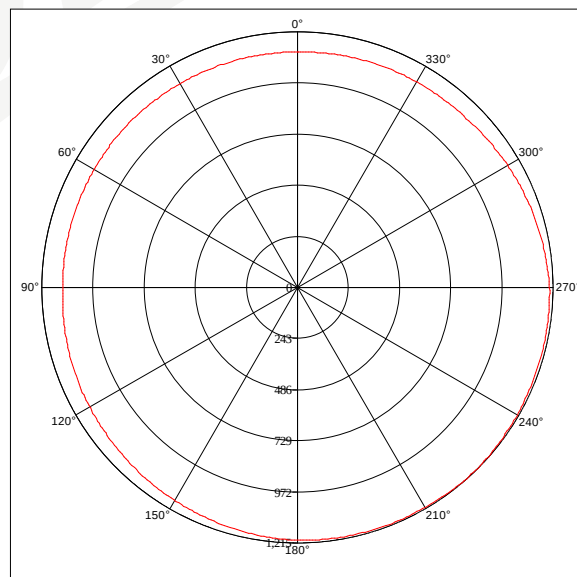
Goniophotometer Test Report

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm						
Lamp Name:			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec:		Shape Size:	
Manufactory:			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model			Peak Value(cd)	1213.7	Efficiency(lm/w)	95.1
Nominal P(w)		0.0	Position	225.0,10.0	UP(C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	1882.330	Down(C0-C180)	43.4
Rated Flux(lm)		0.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		0	Dw Flux Rate(%)	100.0	Down(C180-C360)	56.6

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

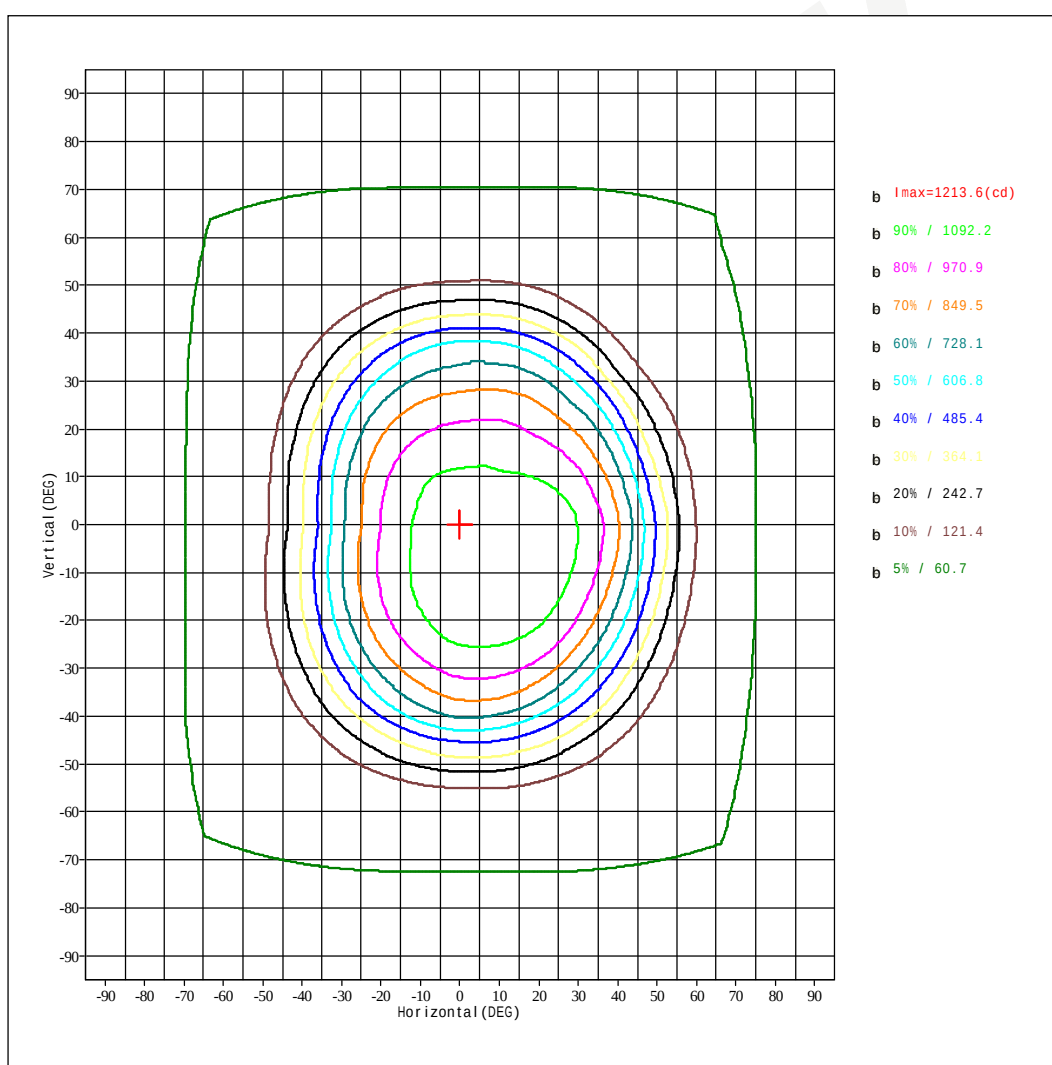
Humidity(%): 60

Date: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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

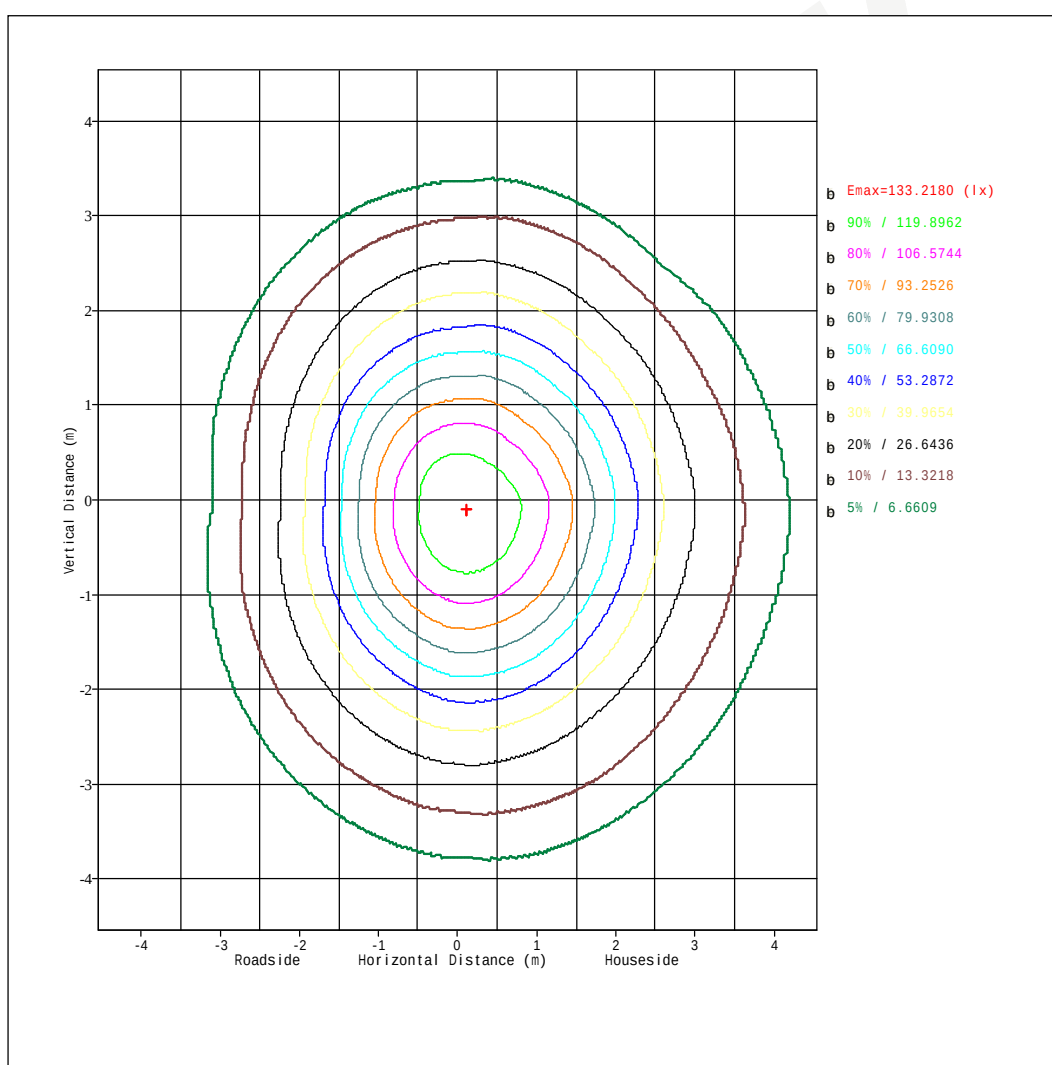
Humidity(%): 60

Date: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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

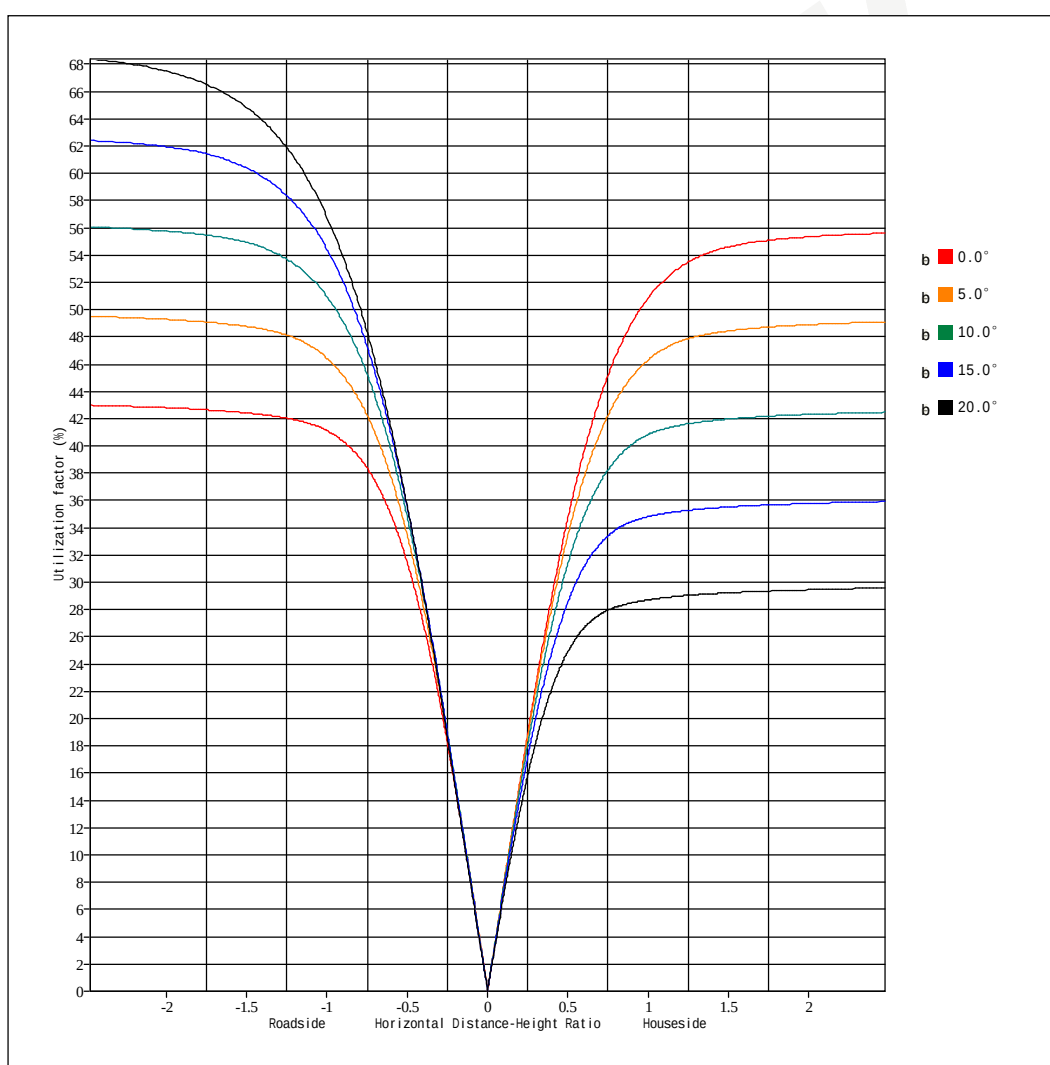
Humidity(%): 60

Date: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

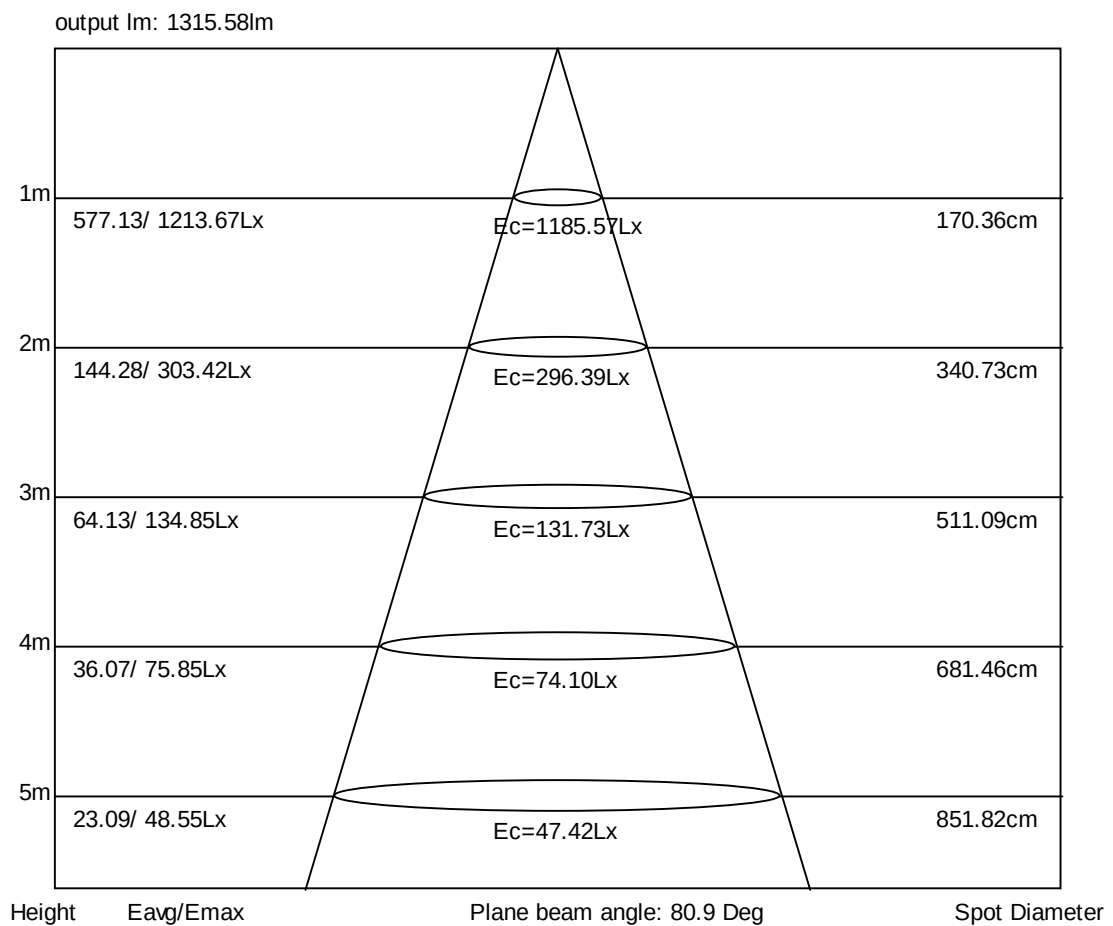
Humidity(%): 60

Date: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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	1161	1164	1156	1172	1206	1209	1193	1161	0-5	28.2	28.2
10	1119	1118	1116	1152	1203	1214	1199	1135	5-10	83.5	112
15	1065	1058	1062	1121	1188	1207	1197	1102	10-15	135	247
20	997	990	976	1073	1157	1185	1190	1059	15-20	182	429
25	908	895	850	993	1105	1153	1162	998	20-25	219	648
30	800	769	697	873	1022	1080	1112	911	25-30	243	890
35	713	616	520	716	901	965	1016	794	30-35	249	1139
40	541	444	348	545	742	780	874	640	35-40	233	1372
45	320	279	213	369	504	588	688	448	40-45	192	1565
50	136	123	81.3	189	306	396	478	213	45-50	133	1697
55	50.5	50	48.5	83	111	192	274	77.8	50-55	73.9	1771
60	38.5	37.4	33.5	50.6	49.2	74.4	113	40.3	55-60	35.2	1806
65	31.8	27.5	22	37.9	37.6	47.4	53.5	30.5	60-65	21.5	1828
70	26.4	21.6	19.2	26.5	29.5	31.2	36.6	23.4	65-70	15.7	1844
75	22.5	18.7	16	19	23.6	20.7	21.1	19.3	70-75	12.2	1856
80	17.6	15.9	14.9	16.5	18.3	16.5	18.2	16.7	75-80	9.78	1866
85	15.3	14.3	14.3	15.2	15.9	15.1	16.4	15.2	80-85	8.66	1874
90	14.1	14	14.2	14.8	14.2	14.5	14.9	14.9	85-90	8.07	1882
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: 2024-3-20

Remark:

Measured Para U: 223.9V I: 144.0mA P: 19.80W PF: 0.611 Test LM: 1882.33lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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	1161	1162	1163	1161	1158	1160	1167	1176	1191	1206	1207	1208	1204	1196	1186	1172	1161	1161
10.0	1119	1119	1118	1118	1117	1124	1140	1158	1181	1203	1208	1213	1209	1202	1185	1156	1134	1126
15.0	1065	1062	1059	1059	1061	1075	1102	1129	1159	1188	1196	1205	1204	1199	1176	1133	1098	1081
20.0	997	994	991	986	979	997	1041	1082	1120	1157	1170	1182	1187	1189	1161	1102	1052	1024
25.0	908	902	897	880	860	881	946	1006	1056	1105	1126	1148	1156	1160	1126	1052	988	947
30.0	800	787	773	746	713	736	815	889	957	1022	1047	1074	1090	1105	1068	977	899	849
35.0	713	671	627	585	541	563	652	736	820	901	929	958	982	1005	967	867	785	749
40.0	541	499	455	413	369	391	481	567	656	742	759	776	811	854	823	717	630	585
45.0	320	302	283	257	227	247	318	384	445	504	541	579	621	666	635	526	434	376
50.0	136	130	124	109	90.4	105	154	202	255	306	345	386	423	460	420	300	205	170
55.0	50.5	50.3	50	49.5	48.8	56.1	71.7	86.1	98.9	111	147	183	219	256	231	142	74.8	62.4
60.0	38.5	38	37.5	36.1	34.4	37.2	45	50.4	49.8	49.2	60.2	71.6	86.9	104	96.8	64	40.1	39.3
65.0	31.8	29.9	27.9	25.7	23.2	25.4	32.7	37.8	37.7	37.6	41.9	46.3	49.4	52.2	48.5	38.1	30.7	31.2
70.0	26.4	24.3	22.1	20.8	19.8	20.8	24.1	26.8	28.2	29.5	30.3	31	32.9	35.4	33.7	27.7	23.7	25.1
75.0	22.5	20.8	19.1	17.8	16.6	16.7	18	19.5	21.6	23.6	22.3	21	20.8	21	20.7	19.9	19.6	21.1
80.0	17.6	16.8	16.1	15.5	15.1	15.2	16	16.7	17.5	18.3	17.5	16.7	17.1	17.8	17.9	17.2	16.8	17.2
85.0	15.3	14.9	14.4	14.3	14.3	14.5	14.9	15.3	15.6	15.9	15.6	15.2	15.5	16.1	16.1	15.6	15.2	15.3
90.0	14.1	14.1	14.1	14.1	14.2	14.4	14.7	14.8	14.5	14.2	14.3	14.5	14.6	14.8	14.9	14.9	14.8	14.5
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
135.0																		
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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-3-20

Remark: