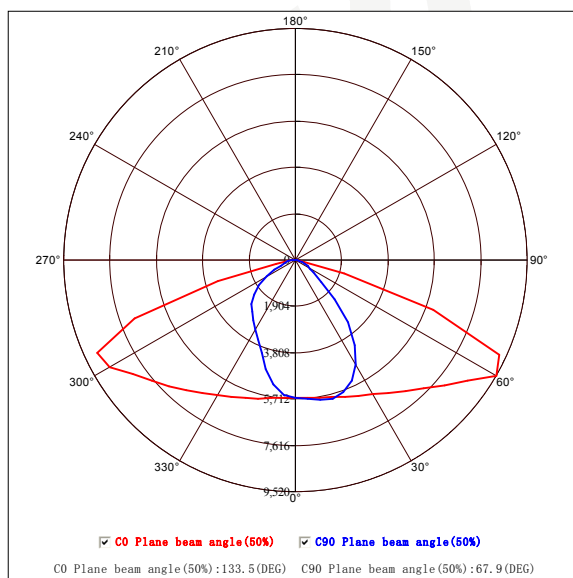


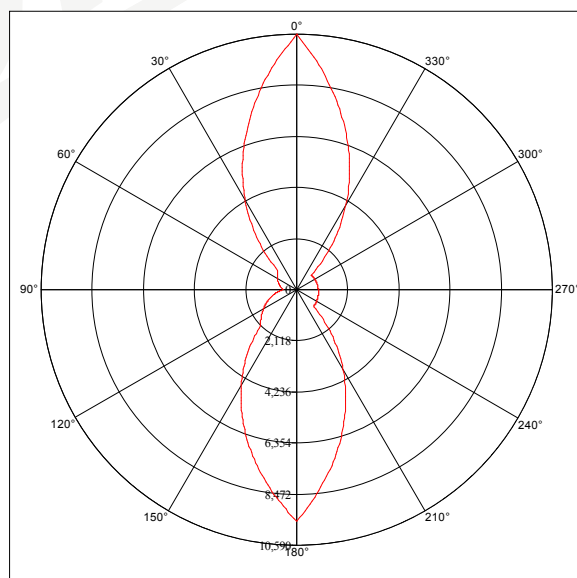
## Goniophotometer Test Report

Measured Para   U: 119.9V   I: 1029.0mA   P: 123.00W   PF: 0.997   Test LM: 17121.60lm						
Lamp Name:			Lamp Type:		Weight (kg) :	
Lamp ID:			Lamp Spec:		Shape Size:	
Manufactory:			Sur (m <sup>2</sup> ) :		Protect Angle (Deg) :	
Light Source Data			Photometric Data			
Model			Peak Value(cd)	10342.2	Efficiency(lm/w)	139.2
Nominal P(w)		0.0	Position	0.0, 60.0	UP(C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	17121.60	Down(C0-C180)	56.5
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)	43.5

Planar Intensity Distribution Curve



Peak Point Conical surface Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

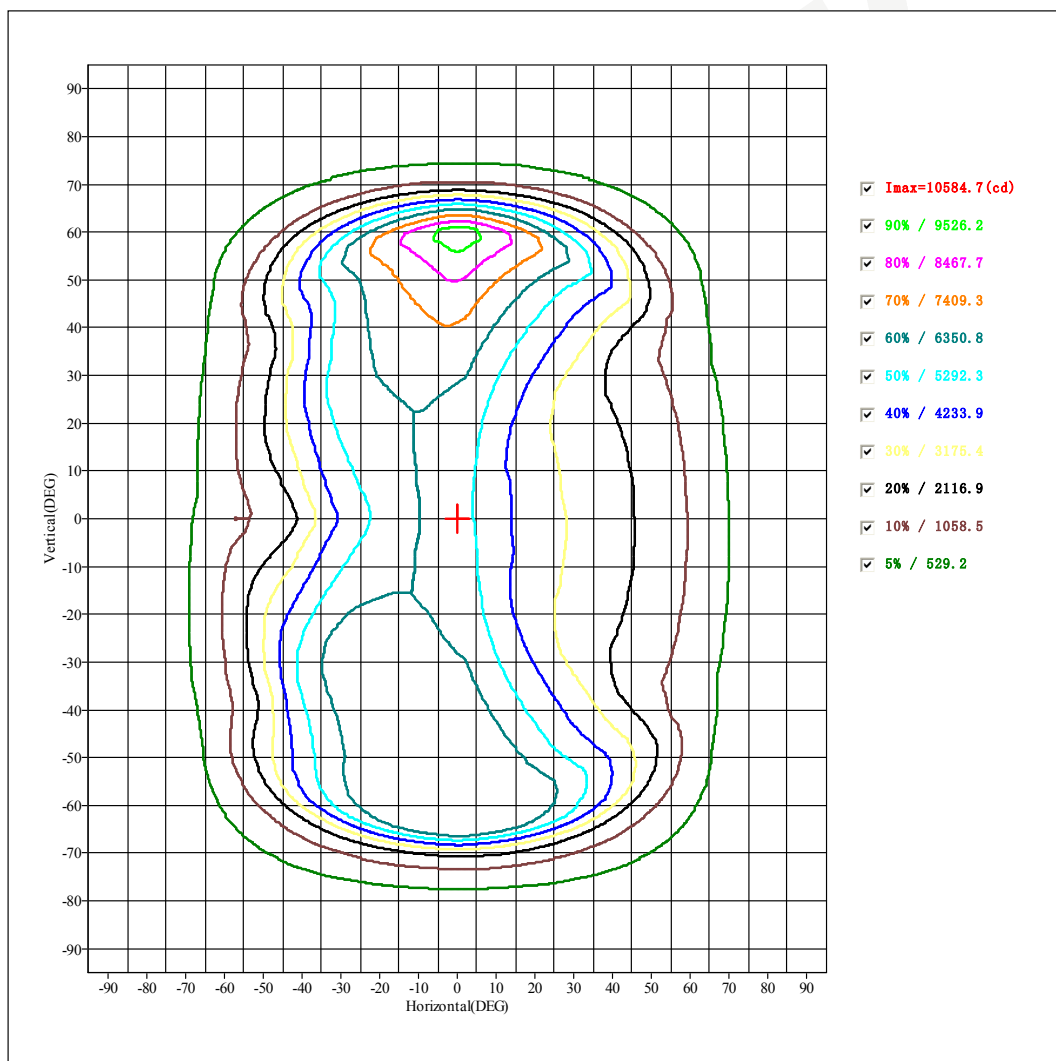
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.60lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	Sur(m <sup>2</sup> ):	Protect Angle(Deg):

### Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

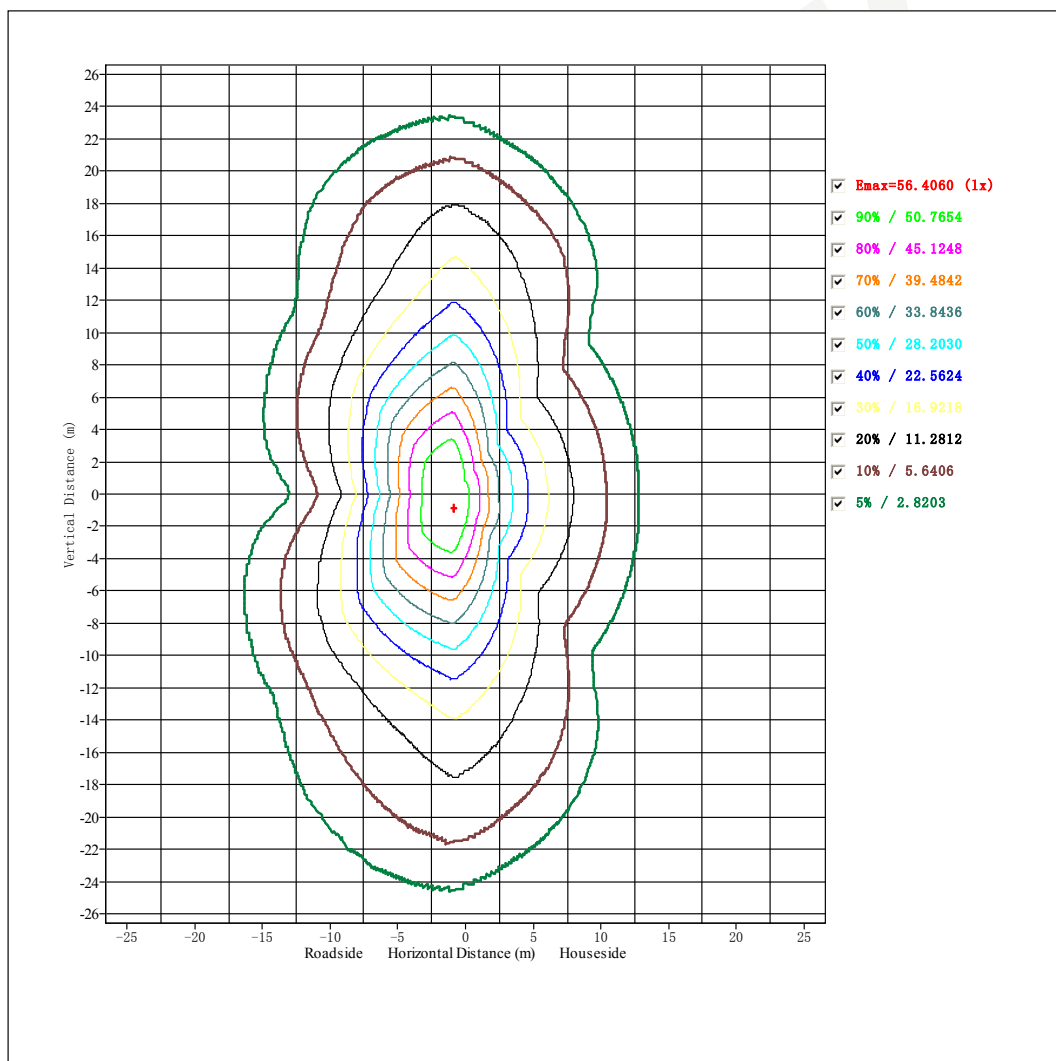
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.60lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	Sur (m <sup>2</sup> ):	Protect Angle(Deg):

Planar Isolux curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

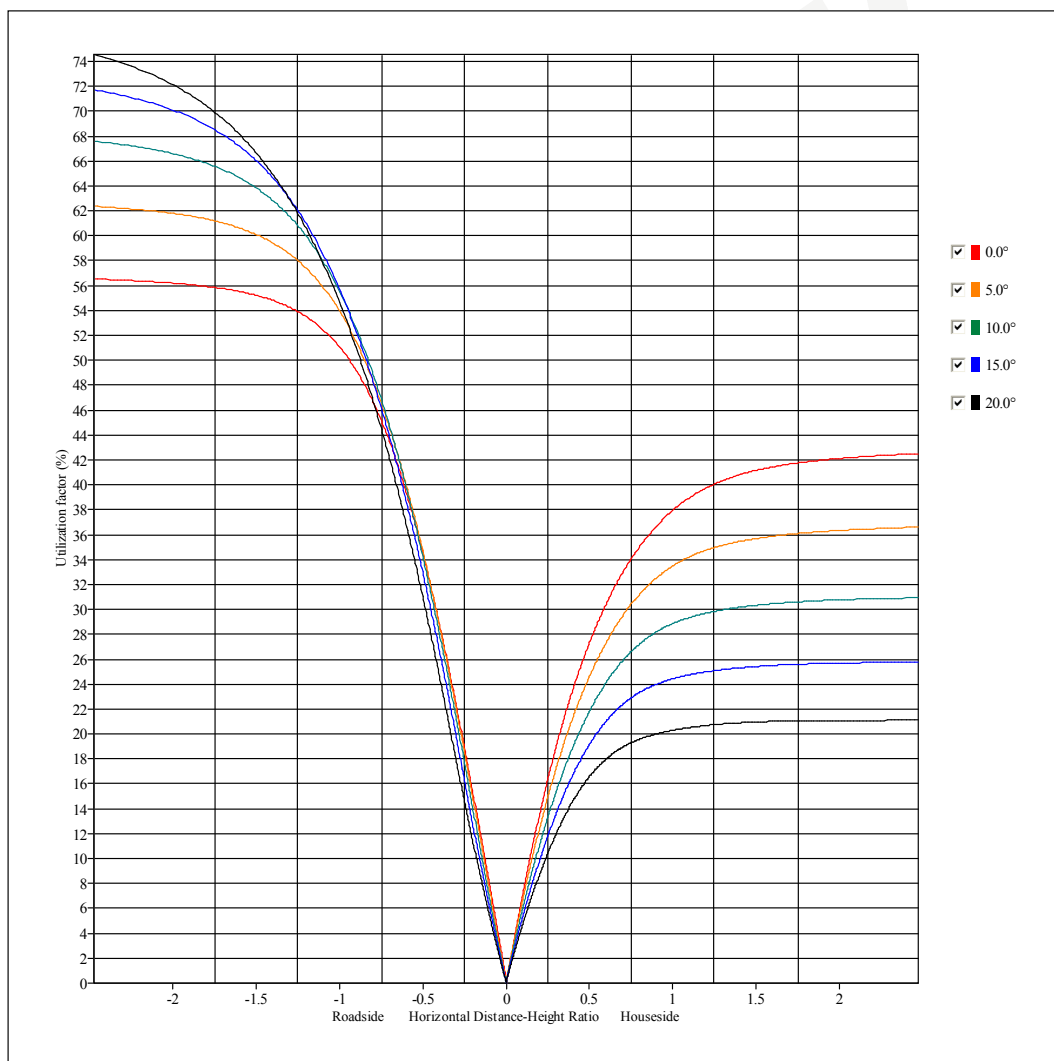
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.60lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	Sur (m <sup>2</sup> ):	Protect Angle(Deg):

### Utilization Coefficient



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

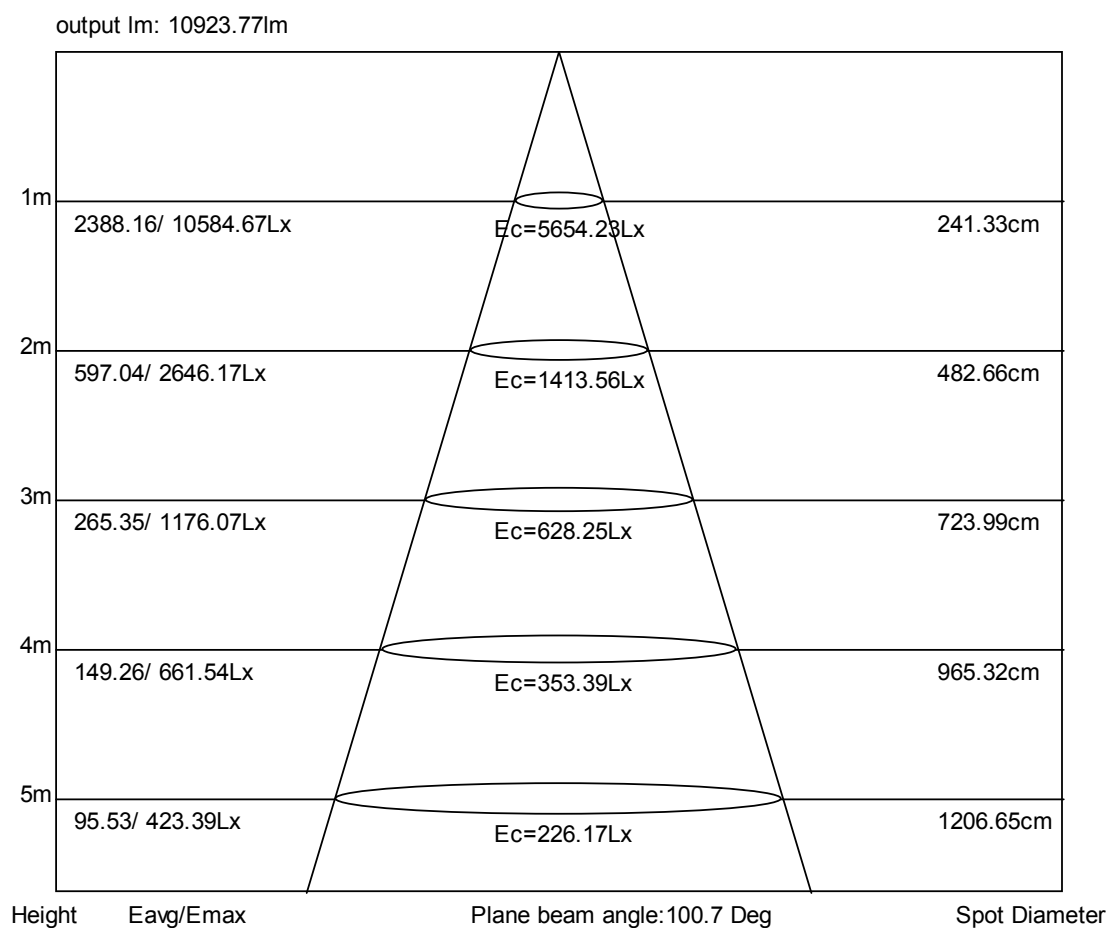
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.60lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	Sur (m <sup>2</sup> ):	Protect Angle(Deg):

### Average Illumination



Gama Angle Range:-90 - 90 (Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180 (Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.60lm		
Lamp Name:	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	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	5735	5830	5882	5810	5771	5394	5242	5265	0-5	135	135
10	5821	5971	5933	6022	5879	5027	4666	4880	5-10	398	533
15	5967	6086	5813	6226	6028	4542	4036	4404	10-15	647	1180
20	6127	6192	5498	6425	6205	4000	3544	3889	15-20	875	2054
25	6356	6237	4988	6612	6402	3549	3256	3472	20-25	1084	3139
30	6653	6230	4322	6788	6664	3203	3007	3133	25-30	1279	4418
35	7020	6114	3392	6930	6967	2868	2782	2790	30-35	1451	5869
40	7458	5767	2278	6890	7312	2566	2566	2488	35-40	1588	7457
45	7990	5092	1221	6535	7722	2265	2253	2160	40-45	1679	9136
50	8594	3891	849	5645	8156	1888	1811	1740	45-50	1712	10848
55	9446	2277	687	4058	8716	1456	1369	1298	50-55	1681	12529
60	10585	1109	550	2116	9579	985	895	853	55-60	1617	14145
65	6319	615	411	895	8093	632	620	588	60-65	1361	15506
70	919	371	262	472	2406	443	449	406	65-70	754	16260
75	217	176	142	235	362	254	327	208	70-75	249	16510
80	58.6	60.9	48.9	90.1	136	107	129	75.7	75-80	87.7	16597
85	8.24	7.98	5.38	18	32.5	22.3	8.83	10.6	80-85	27.8	16625
90	8.77	4.96	4.67	4.93	7	4.71	4.32	4.85	85-90	5.41	16631
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): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1029.0mA P: 123.00W PF: 0.997 Test LM: 17121.601m		
Lamp Name:	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec:	Shape Size:
Manufactory:	Sur(m <sup>2</sup> ):	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	5735	5776	5820	5847	5870	5866	5834	5806	5788	5771	5606	5436	5344	5275	5247	5258	5317	5529
10.0	5821	5887	5954	5959	5942	5953	5993	6006	5942	5879	5506	5120	4908	4745	4712	4810	4983	5409
15.0	5967	6019	6073	5996	5872	5903	6091	6205	6115	6028	5378	4705	4376	4147	4117	4284	4575	5283
20.0	6127	6156	6185	5964	5649	5701	6121	6401	6301	6205	5240	4241	3850	3644	3619	3776	4134	5148
25.0	6356	6304	6250	5827	5261	5343	6079	6589	6494	6402	5154	3861	3453	3320	3303	3401	3788	5095
30.0	6653	6468	6276	5604	4739	4862	5979	6775	6718	6664	5150	3581	3138	3050	3035	3092	3518	5113
35.0	7020	6624	6214	5221	3987	4166	5769	6934	6951	6967	5174	3316	2840	2801	2784	2787	3253	5170
40.0	7458	6718	5952	4622	3041	3287	5377	6936	7127	7312	5235	3085	2566	2566	2549	2514	3032	5284
45.0	7990	6722	5409	3822	2068	2383	4791	6665	7203	7722	5334	2862	2261	2256	2233	2190	2797	5439
50.0	8594	6537	4406	2893	1514	1898	4071	5920	7058	8156	5414	2574	1863	1828	1795	1763	2489	5595
55.0	9446	6310	3061	1755	1035	1424	2952	4567	6678	8716	5540	2250	1427	1388	1353	1321	2189	5881
60.0	11k	6439	2145	925	672	893	1602	2932	6314	9579	5819	1925	956	914	885	867	1917	6327
65.0	6319	3824	1239	549	456	517	737	1683	4944	8093	4829	1448	628	623	613	598	1214	3812
70.0	919	679	431	335	286	308	403	683	1560	2406	1547	657	445	448	440	420	462	694
75.0	217	199	180	165	149	162	204	249	306	362	315	266	278	311	301	247	209	213
80.0	58.6	59.6	60.6	57	51.5	57.9	76.6	95.2	116	136	124	111	114	124	117	93.1	73.8	66.1
85.0	8.24	8.12	8	7.13	5.95	8.14	13.8	19.6	26.2	32.5	28.1	23.5	17.9	11.8	9.21	10	10.3	9.26
90.0	8.77	7.11	5.38	4.87	4.74	4.73	4.84	5.15	6.09	7	6	4.96	4.58	4.41	4.44	4.67	5.28	7.05
95.0																		
100.0																		
105.0																		
110.0																		
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160.0																		
165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 5

Temperature(Deg): 25

Tester:

Distance(m): 8.500

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2019-5-22

Remark: