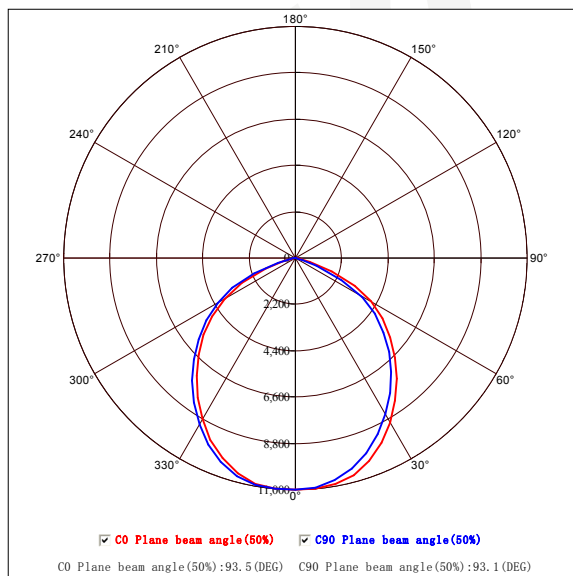


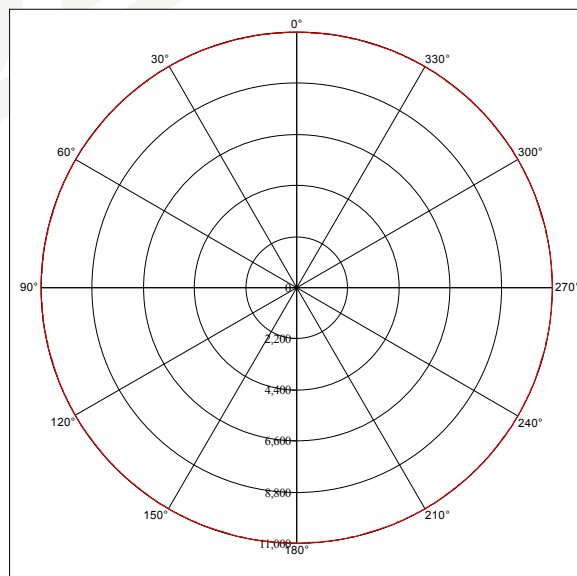
## Goniophotometer Test Report

Measured Para   U: 119.9V   I: 1630.0mA   P: 195.20W   PF: 0.999   Test LM: 27698.88lm						
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)	13542.3	Efficiency (lm/w)	141.9
Nominal P (w)		0.0	Position	0.0, 0.0	UP (C0-C180)	0.0
Rated Volt (v)		0.0	Total Flux (lm)	27698.88	Down (C0-C180)	48.7
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)	51.3

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

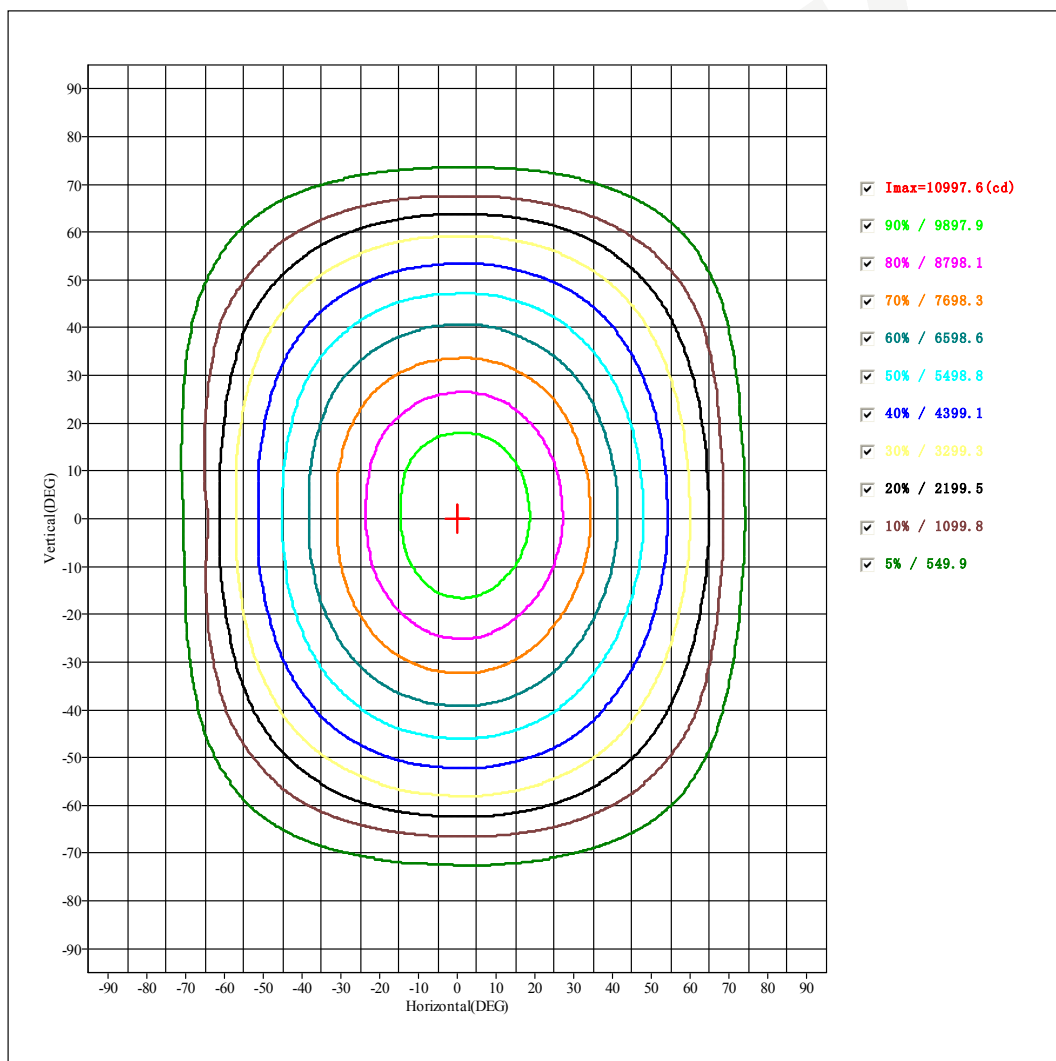
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.88lm		
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

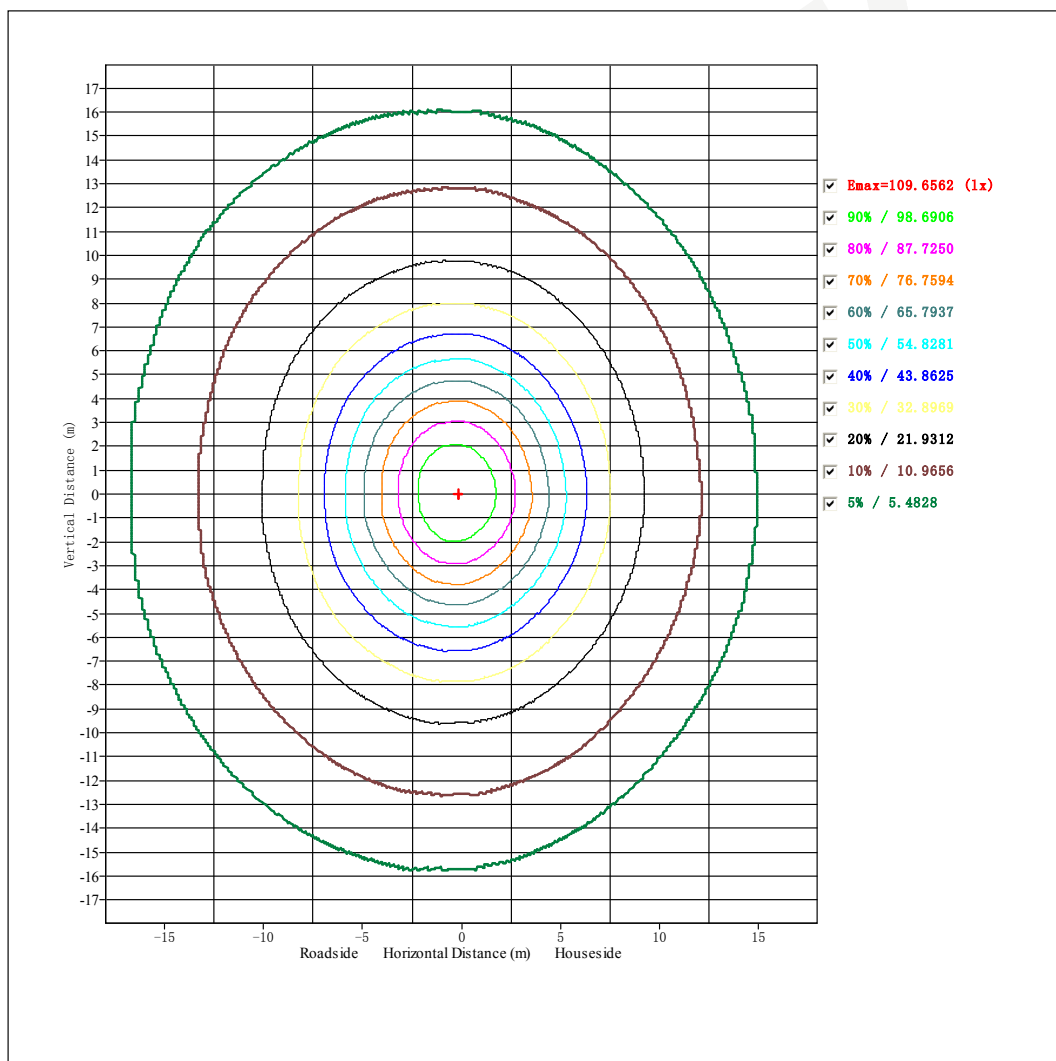
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.88lm		
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

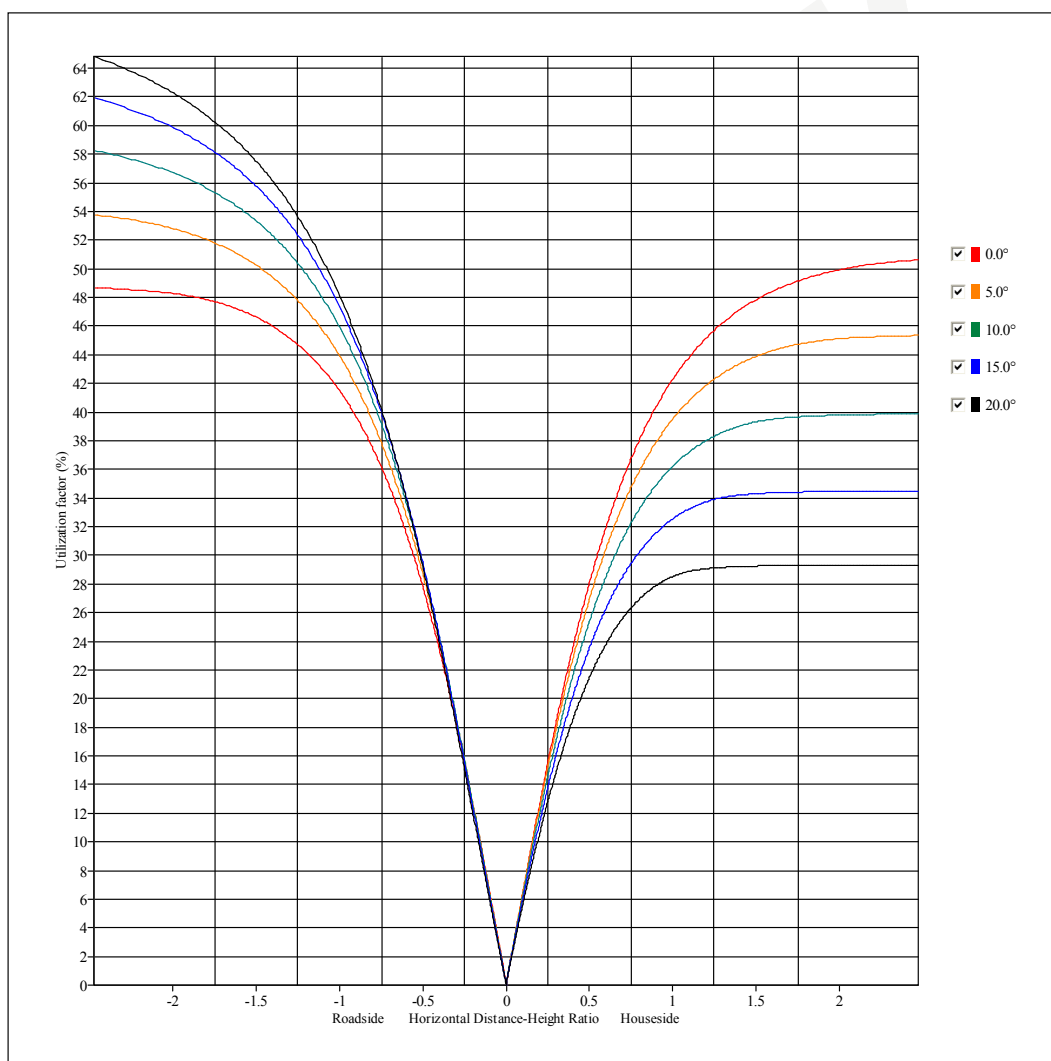
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.88lm		
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

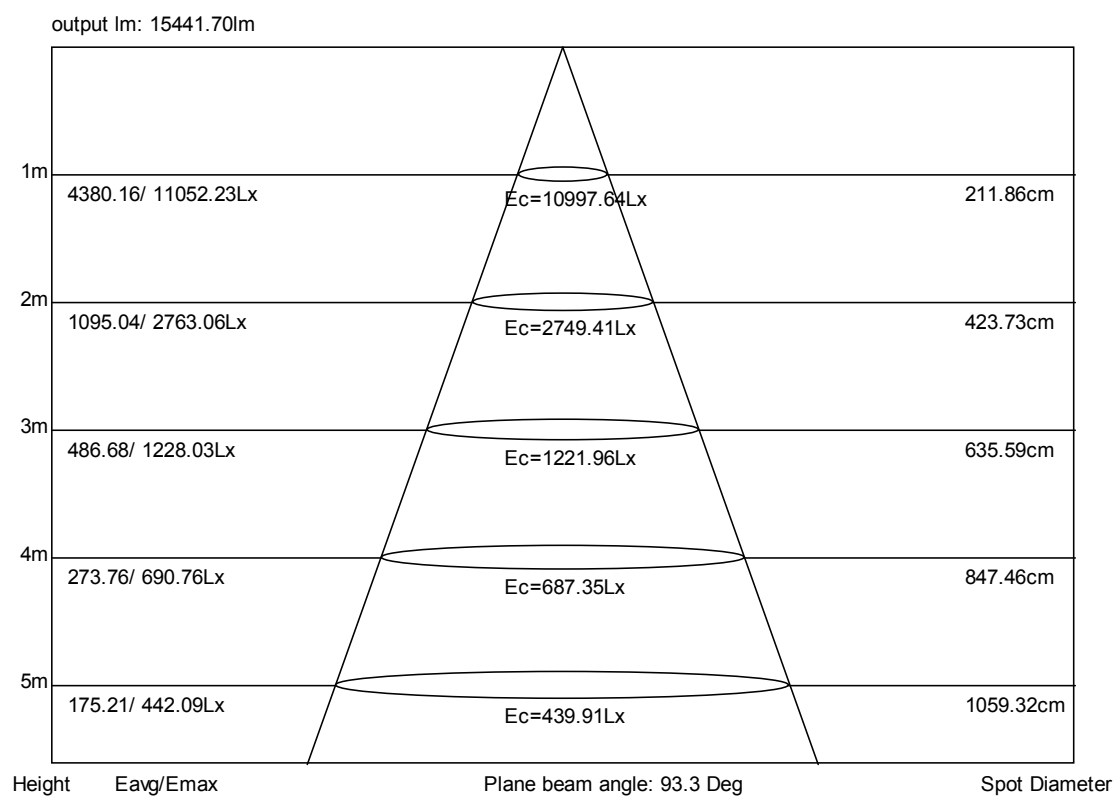
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.88lm		
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: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.881m		
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	10962	10883	10752	10771	10934	10928	10964	10906	0-5	261	261
10	10727	10603	10396	10453	10641	10654	10752	10702	5-10	768	1029
15	10314	10170	9892	9956	10156	10179	10366	10348	10-15	1231	2261
20	9712	9581	9264	9355	9547	9588	9824	9809	15-20	1626	3887
25	9031	8925	8571	8680	8844	8891	9161	9148	20-25	1937	5824
30	8277	8219	7853	7960	8084	8140	8397	8408	25-30	2158	7982
35	7512	7469	7095	7198	7304	7356	7629	7632	30-35	2290	10272
40	6709	6688	6312	6404	6512	6536	6837	6817	35-40	2333	12605
45	5892	5870	5500	5581	5691	5705	6020	5994	40-45	2291	14896
50	5028	4998	4637	4729	4830	4856	5162	5123	45-50	2160	17056
55	4150	4128	3735	3843	3923	3970	4292	4273	50-55	1946	19002
60	3182	3101	2631	2718	2900	2981	3342	3290	55-60	1629	20631
65	1913	1814	698	1500	1435	1800	2279	2132	60-65	1144	21775
70	375	738	267	548	320	769	465	975	65-70	569	22343
75	196	205	136	144	166	181	206	270	70-75	194	22538
80	88.8	67.1	49	46.5	68.4	54.6	97.2	76.7	75-80	68.6	22606
85	17.1	8.85	1.62	2.62	9.26	4.41	1.81	12.1	80-85	20.6	22627
90	0.69	1.28	1.09	1.63	1.01	0.67	0.73	0.64	85-90	2.24	22629
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: 1630.0mA P: 195.20W PF: 0.999 Test LM: 27698.881m		
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	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k
10.0	11k	11k	11k	11k	10k	10k	10k	10k	11k	11k	11k	11k	11k	11k	11k	11k	11k	11k
15.0	10k	10k	10k	10k	9953	9906	9935	9978	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k
20.0	9712	9655	9595	9477	9333	9284	9325	9376	9463	9547	9565	9583	9665	9772	9821	9814	9798	9754
25.0	9031	8985	8937	8809	8648	8595	8644	8697	8772	8844	8864	8886	8980	9102	9158	9152	9135	9082
30.0	8277	8252	8226	8099	7933	7877	7925	7974	8030	8084	8108	8134	8224	8341	8399	8404	8393	8334
35.0	7512	7493	7474	7346	7177	7118	7164	7210	7258	7304	7327	7350	7445	7569	7630	7631	7619	7564
40.0	6709	6700	6691	6565	6394	6332	6374	6416	6465	6512	6523	6533	6635	6771	6832	6823	6805	6756
45.0	5892	5882	5873	5749	5581	5518	5555	5593	5643	5691	5697	5704	5809	5951	6015	6003	5983	5937
50.0	5028	5015	5001	4879	4716	4657	4699	4740	4786	4830	4842	4853	4956	5095	5153	5135	5112	5070
55.0	4150	4141	4131	3999	3821	3759	3808	3852	3888	3923	3944	3965	4076	4222	4288	4280	4260	4204
60.0	3182	3146	3110	2947	2734	2650	2689	2738	2821	2900	2936	2973	3100	3263	3331	3307	3278	3229
65.0	1913	1870	1825	1448	942	873	1236	1492	1463	1435	1595	1760	1957	2174	2247	2180	2108	2009
70.0	375	534	698	583	370	329	456	523	420	320	516	720	669	532	577	807	909	637
75.0	196	200	204	182	151	138	141	146	156	166	173	179	189	201	220	249	262	229
80.0	88.8	79.3	69.5	61.2	53	48.5	47.3	48.9	58.8	68.4	62.4	56.1	68.6	87.9	92.7	83.4	78	83.5
85.0	17.1	13.5	9.75	6.48	3.2	1.84	2.29	3.34	6.35	9.26	7.14	4.94	3.56	2.38	4.07	8.75	12.7	14.9
90.0	0.69	0.95	1.21	1.22	1.13	1.21	1.45	1.56	1.28	1.01	0.86	0.71	0.69	0.72	0.71	0.67	0.64	0.66
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): 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: