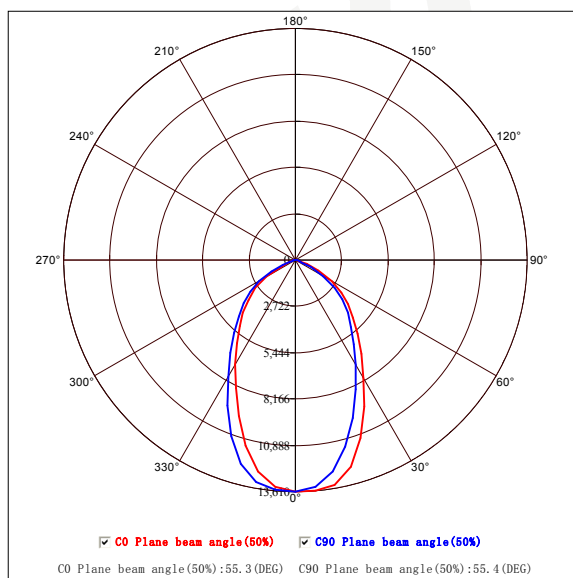


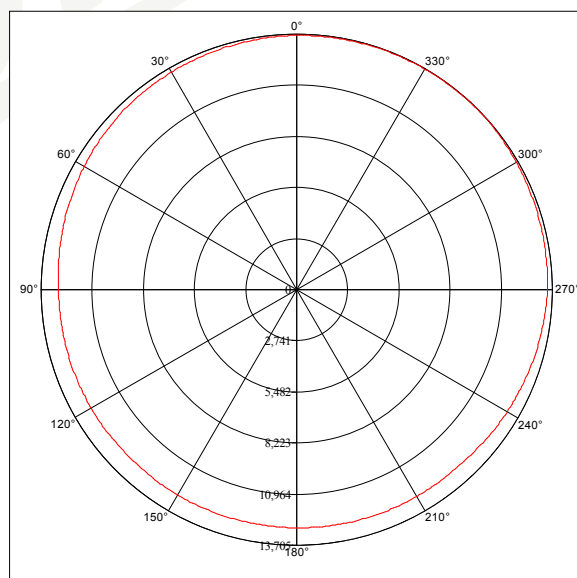
## Goniophotometer Test Report

Measured Para   U: 219.2V   I: 577.0mA   P: 120.60W   PF: 0.954   Test LM: 16932.24lm						
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)	13584.3	Efficiency(lm/w)	140.4
Nominal P(w)		0.0	Position	315.0, 5.0	UP(C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	16932.24	Down(C0-C180)	48.8
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)	51.2

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

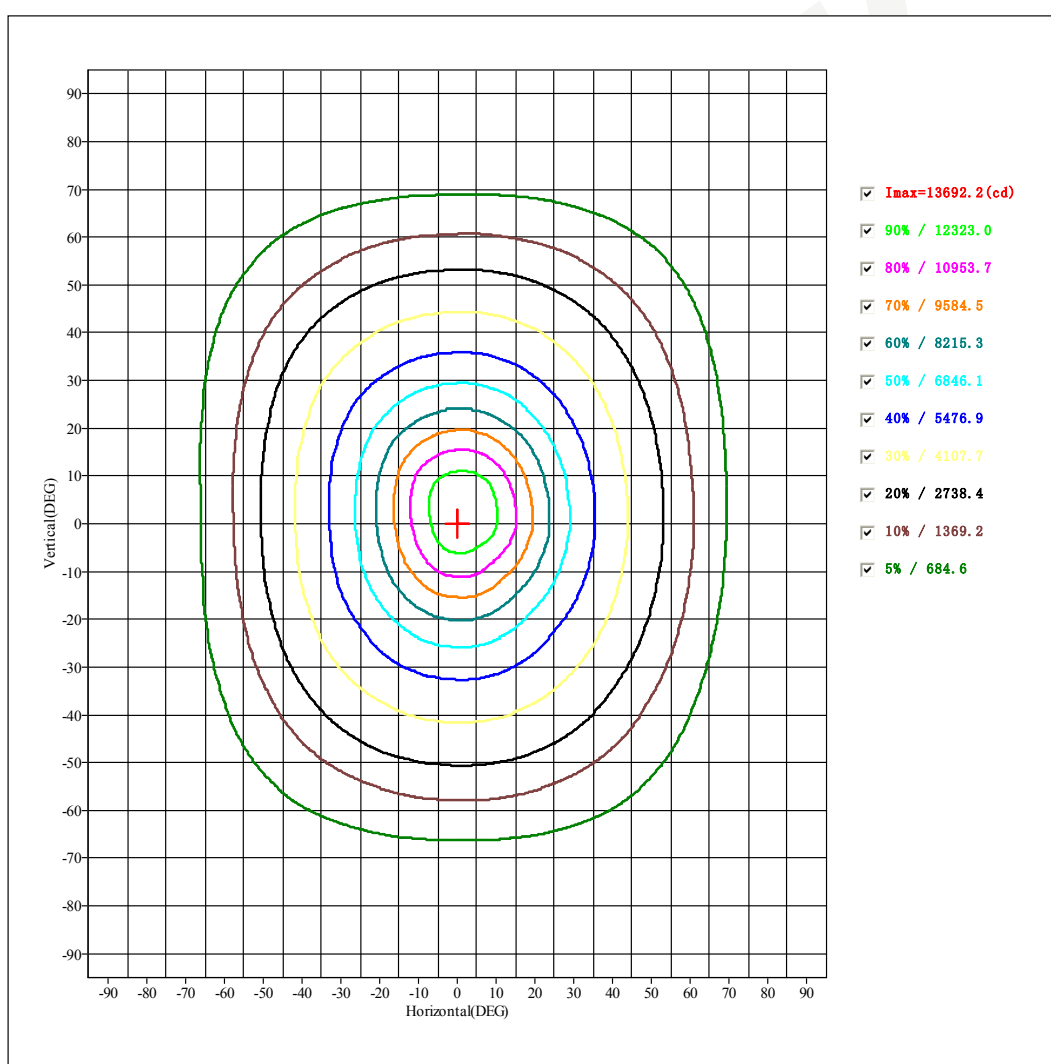
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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

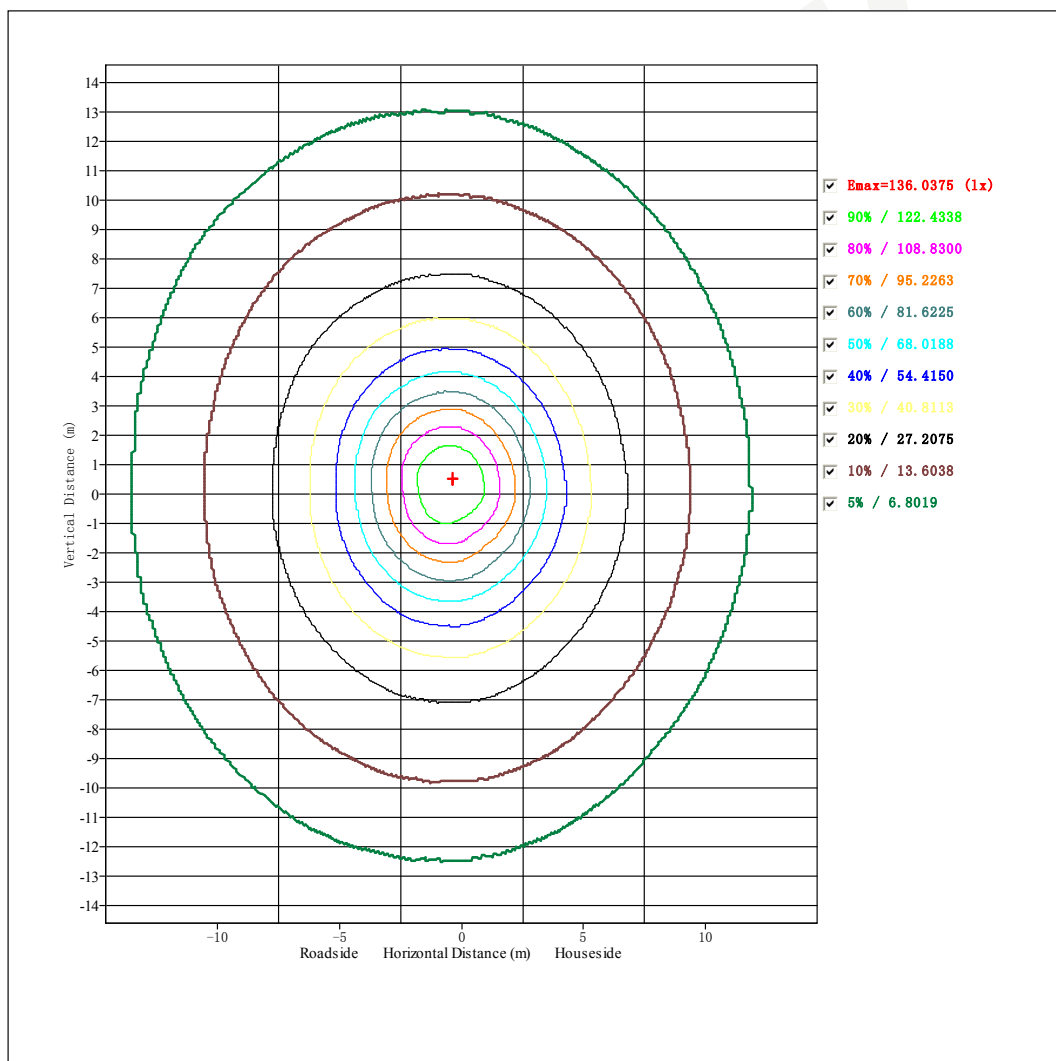
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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

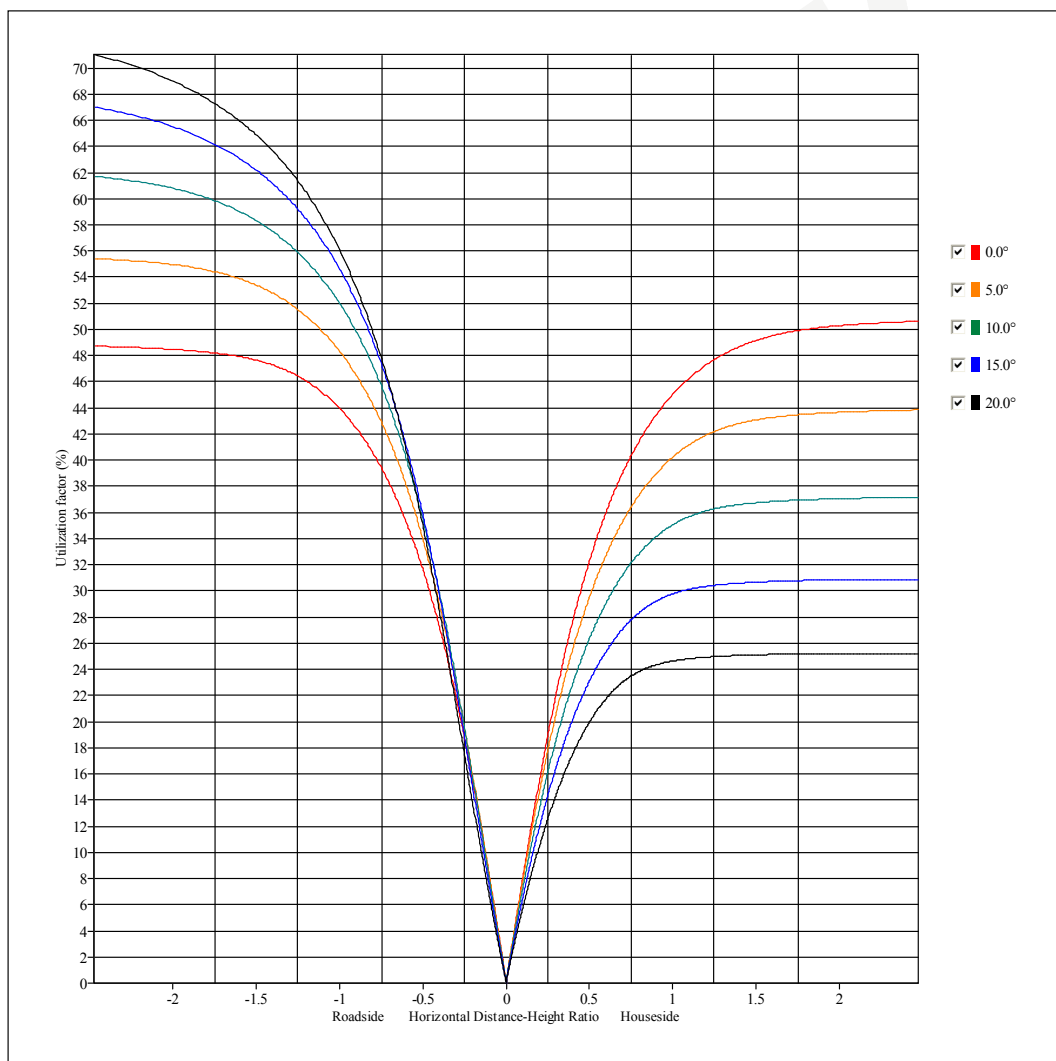
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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

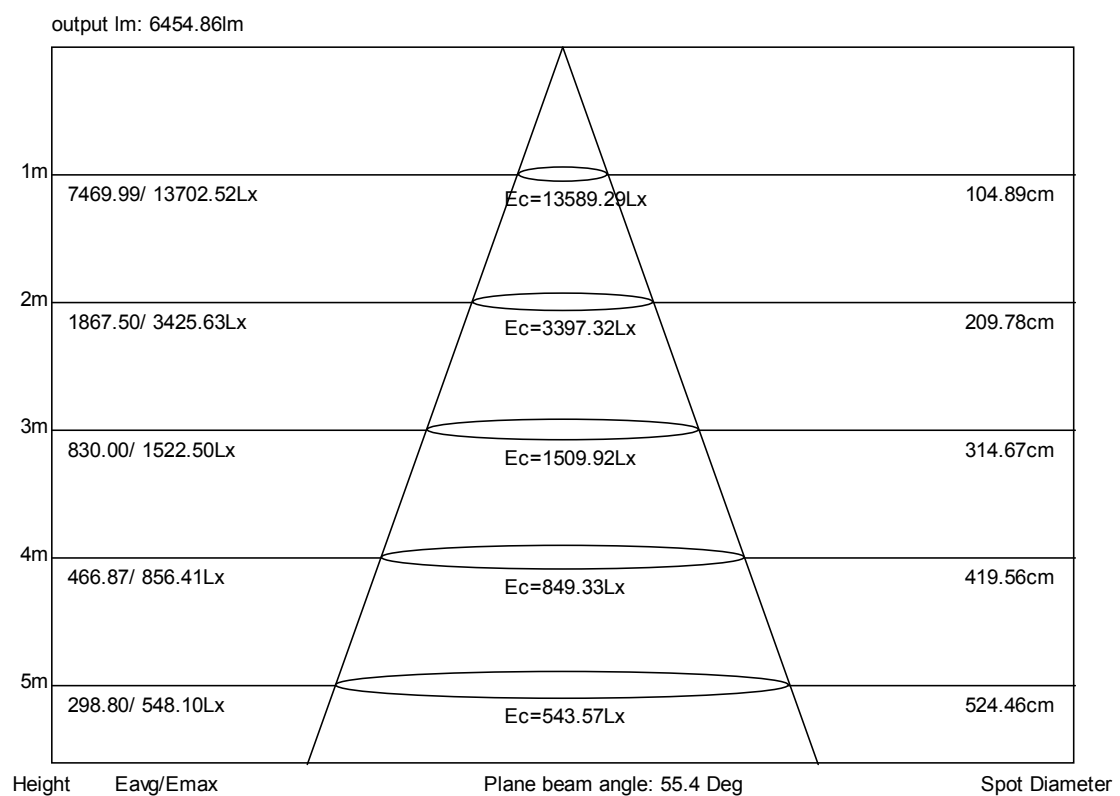
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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	13647	13372	12767	12701	12773	12846	13448	13703	0-5	318	318
10	12728	12381	11419	11277	11328	11523	12543	12844	5-10	896	1214
15	11170	10869	9861	9660	9727	9919	11042	11329	10-15	1326	2539
20	9486	9245	8321	8208	8271	8387	9404	9591	15-20	1585	4125
25	7928	7771	7048	6951	6988	7077	7861	7990	20-25	1706	5831
30	6686	6569	5975	5916	5944	6004	6570	6688	25-30	1735	7566
35	5651	5577	5083	5037	5061	5085	5525	5624	30-35	1709	9275
40	4739	4717	4320	4311	4328	4338	4677	4745	35-40	1641	10916
45	3986	3978	3643	3607	3628	3653	3942	3991	40-45	1539	12456
50	3328	3285	2896	2897	2950	2944	3266	3304	45-50	1395	13850
55	2511	2432	1875	1871	1982	2027	2516	2533	50-55	1156	15007
60	1453	1306	812	784	865	974	1501	1532	55-60	777	15784
65	564	506	349	396	362	443	624	625	60-65	397	16181
70	294	330	230	262	244	274	289	360	65-70	194	16375
75	179	179	113	118	128	130	185	219	70-75	115	16490
80	80.1	75	30.3	41.7	48.3	49.5	82.1	82.3	75-80	58.1	16548
85	12.4	11.9	1.6	2.15	4.1	3.94	1.63	17	80-85	18.5	16567
90	0.27	0.61	0.37	0.69	0.55	0.39	0.3	0.51	85-90	2	16569
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: 219.2V I: 577.0mA P: 120.60W PF: 0.954 Test LM: 16932.24lm		
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	14k	14k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	13k	14k	14k	14k	14k
10.0	13k	13k	12k	12k	12k	11k	11k	11k	11k	11k	11k	12k	12k	12k	13k	13k	13k	13k
15.0	11k	11k	11k	11k	10k	9817	9726	9667	9698	9727	9811	9898	10k	11k	11k	11k	11k	11k
20.0	9486	9381	9271	8941	8523	8296	8245	8215	8244	8271	8322	8374	8720	9181	9445	9530	9580	9532
25.0	7928	7859	7788	7534	7206	7027	6983	6955	6972	6988	7027	7067	7334	7689	7889	7948	7984	7955
30.0	6686	6635	6582	6374	6105	5962	5936	5919	5932	5944	5970	5998	6190	6446	6596	6649	6688	6687
35.0	5651	5619	5585	5415	5191	5073	5052	5040	5051	5061	5072	5083	5230	5429	5547	5592	5627	5639
40.0	4739	4730	4720	4587	4407	4318	4314	4313	4320	4328	4332	4337	4449	4603	4692	4723	4744	4742
45.0	3986	3983	3979	3868	3716	3635	3619	3609	3619	3628	3639	3650	3748	3879	3953	3975	3991	3989
50.0	3328	3310	3290	3158	2981	2896	2896	2903	2927	2950	2948	2945	3050	3196	3274	3291	3306	3318
55.0	2511	2477	2441	2249	1997	1874	1873	1884	1934	1982	2002	2022	2188	2409	2519	2527	2531	2521
60.0	1453	1389	1322	1144	920	806	794	793	830	865	913	962	1147	1386	1508	1522	1524	1488
65.0	564	539	512	454	383	359	380	392	377	362	398	435	503	585	624	625	619	591
70.0	294	310	327	297	252	237	251	260	252	244	257	271	279	286	305	337	353	323
75.0	179	179	179	157	127	114	116	119	123	128	129	129	148	173	192	208	215	196
80.0	80.1	77.9	75.6	60.3	40.1	32.8	38	42.5	45.4	48.3	48.8	49.4	60.2	75	82.2	82.3	82.1	81.1
85.0	12.4	12.2	11.9	8.49	3.85	1.72	1.97	2.36	3.25	4.1	4.03	3.96	3.18	2.13	5	12	16.5	14.4
90.0	0.27	0.42	0.58	0.53	0.42	0.44	0.58	0.67	0.61	0.55	0.48	0.41	0.36	0.32	0.34	0.44	0.49	0.38
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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: