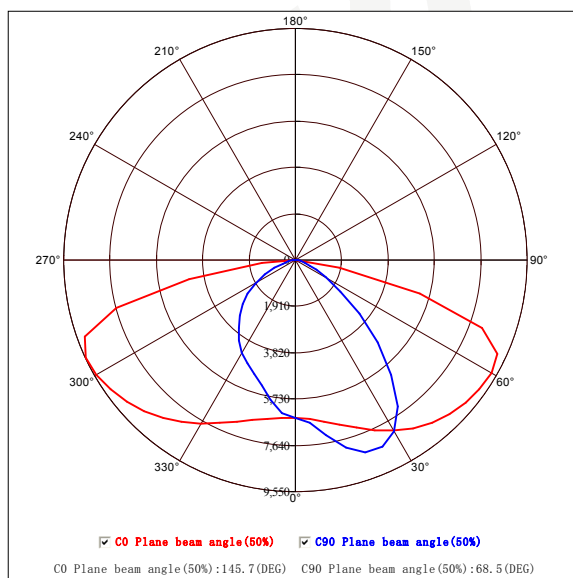


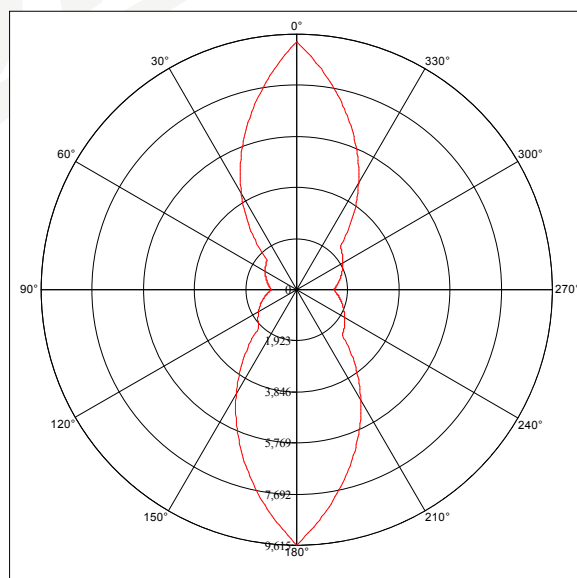
Goniophotometer Test Report

Measured Para U: 119.9V I: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm						
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)	11453.2	Efficiency(lm/w)	141.8
Nominal P(w)		0.0	Position	180.0, 60.0	UP (C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	27792.8	Down (C0-C180)	54.9
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)	45.1

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

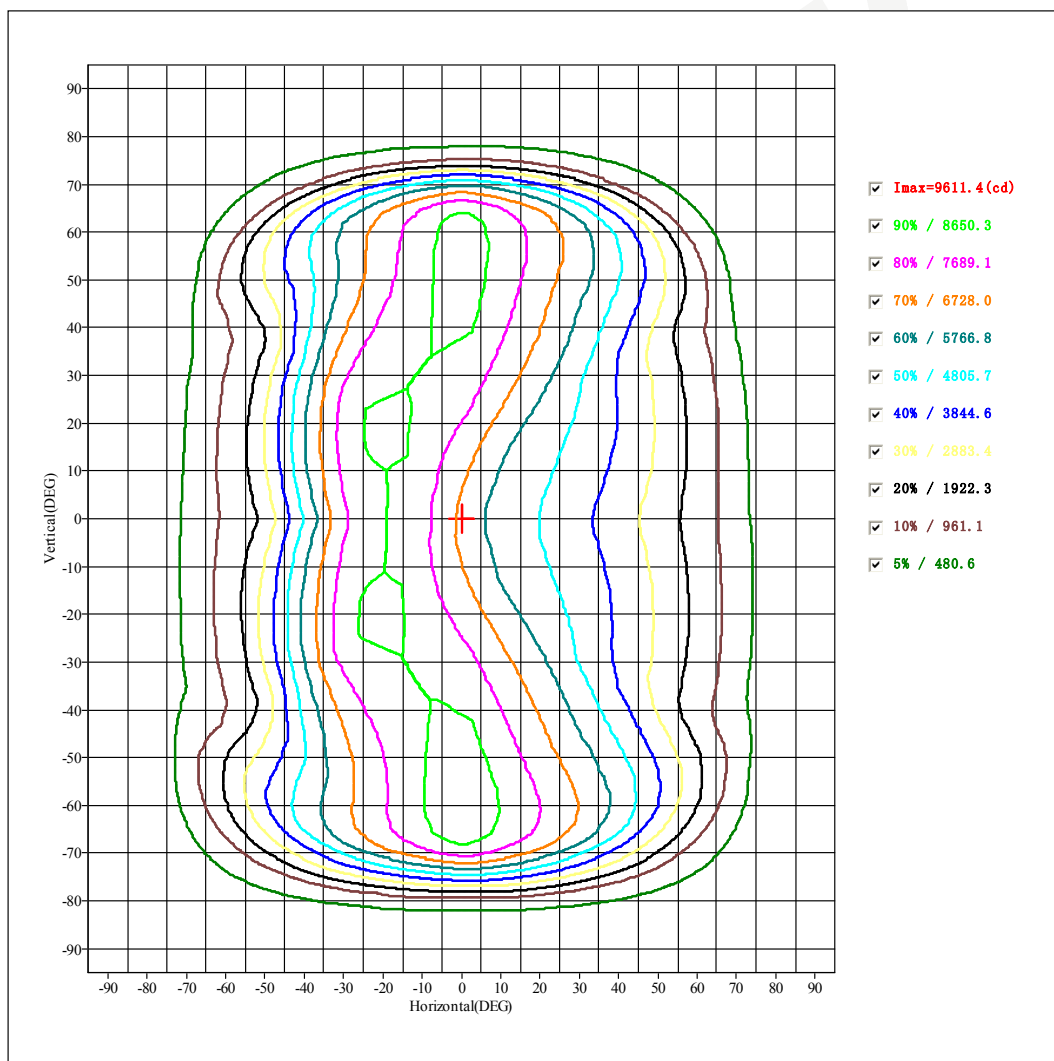
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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): 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

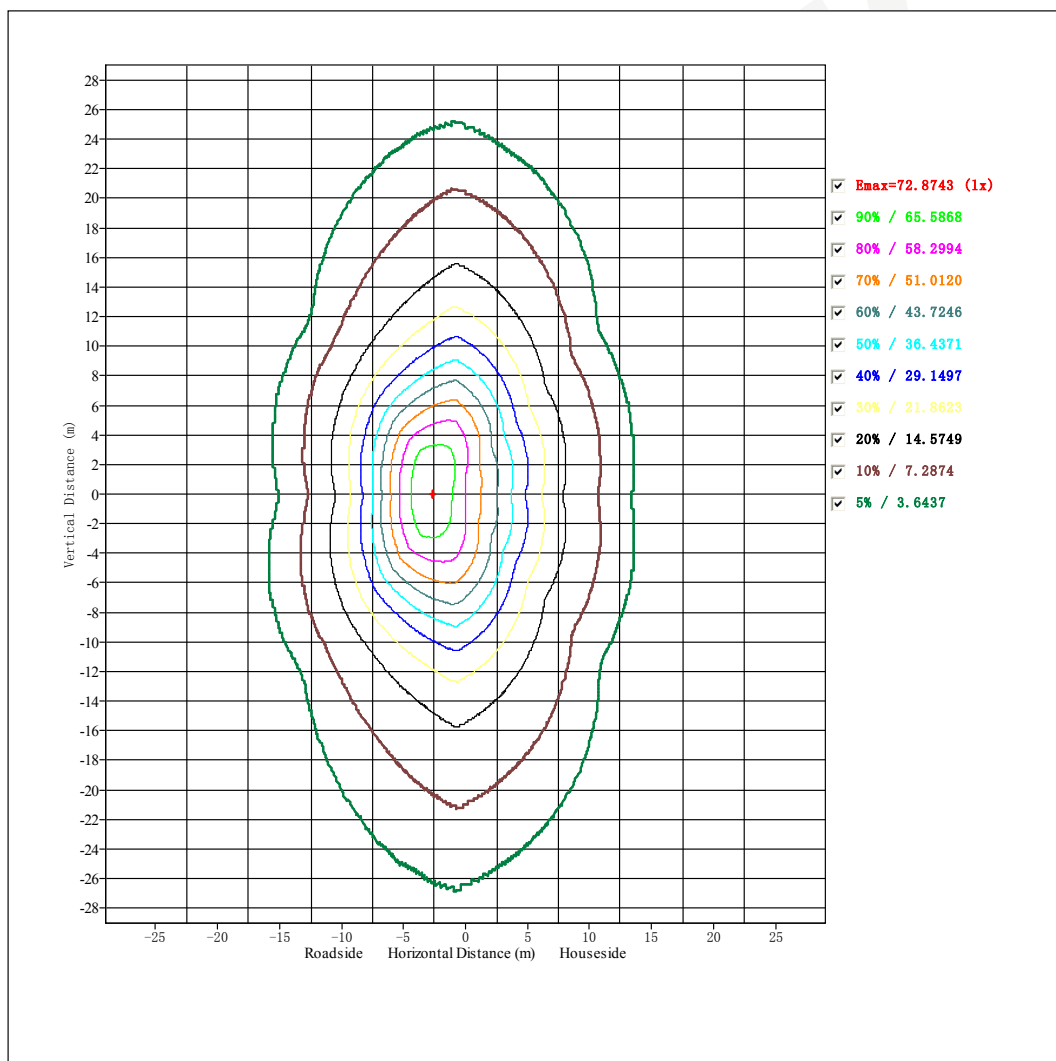
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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): 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

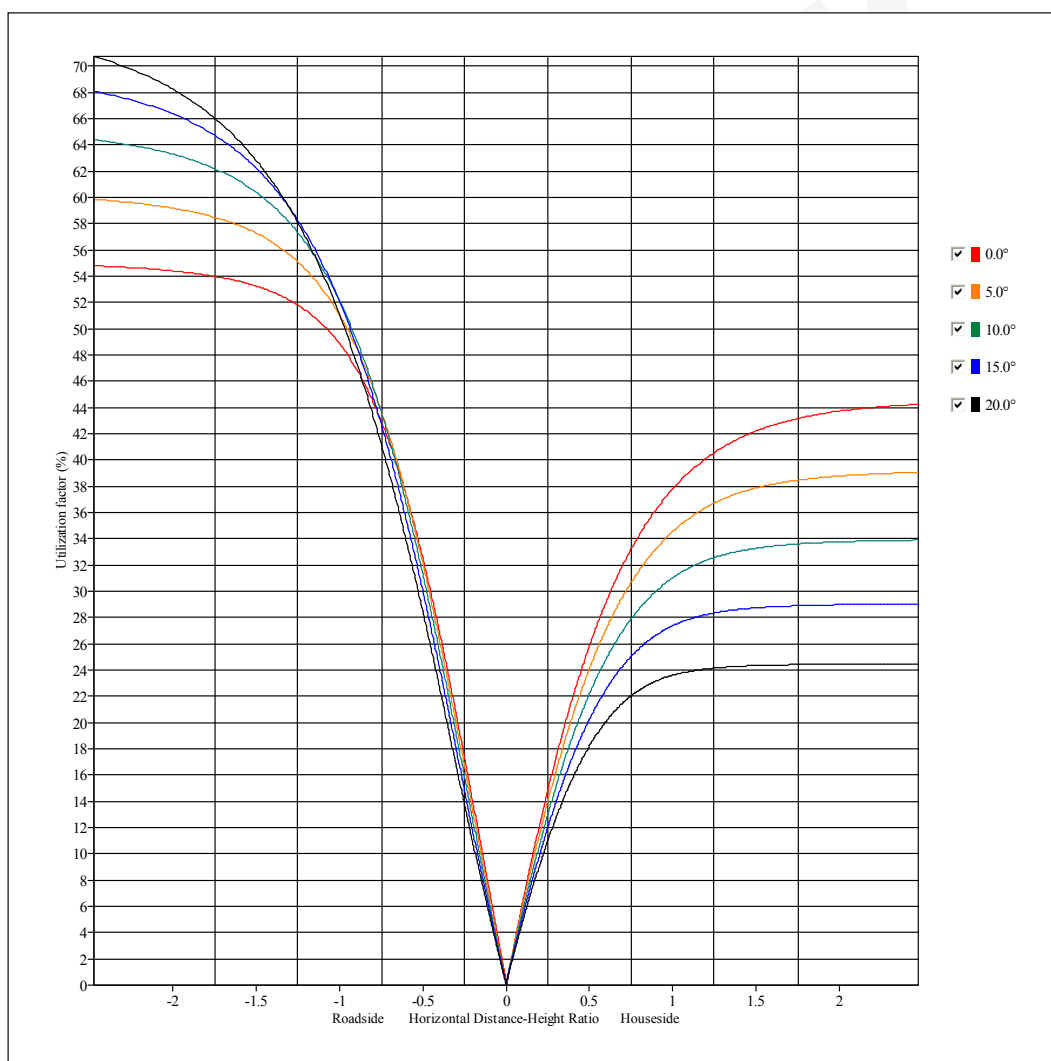
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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): 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

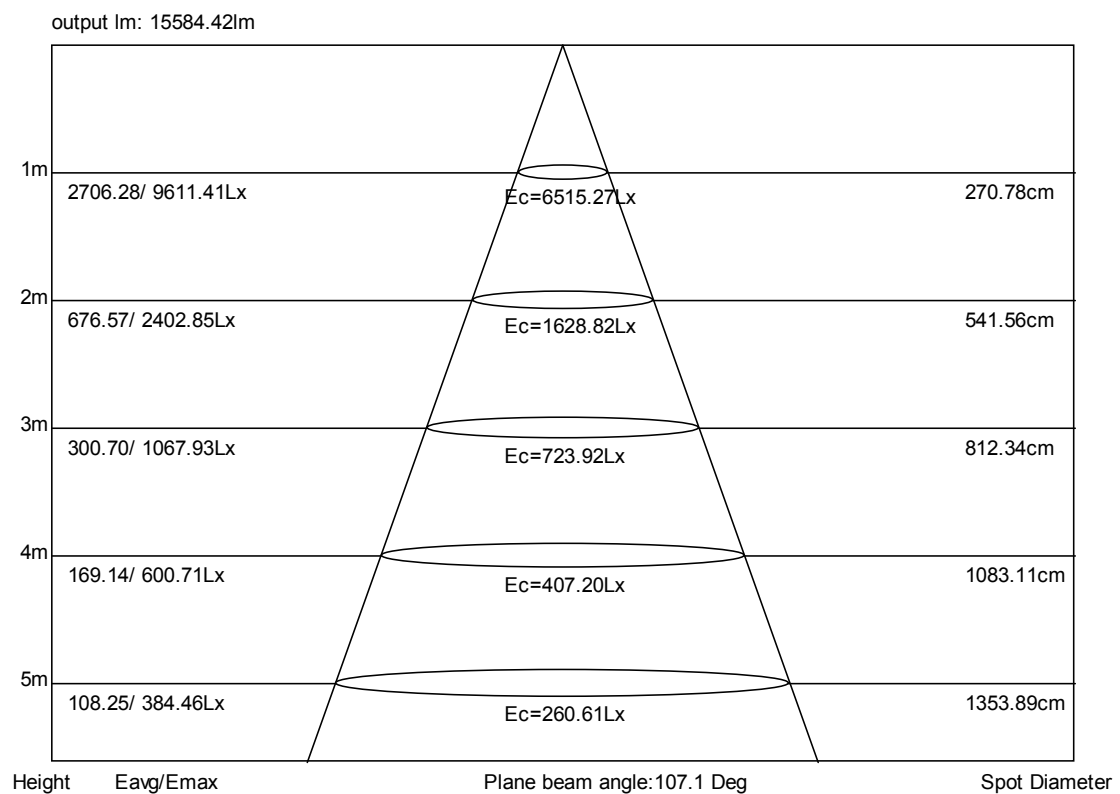
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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): 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: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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	6757	7131	7370	6938	6642	5971	5813	5911	0-5	157	157
10	7024	7805	8086	7602	6790	5623	5313	5640	5-10	477	633
15	7355	8392	8518	8219	7059	5425	4996	5485	10-15	811	1445
20	7742	8833	8593	8716	7402	5303	4722	5378	15-20	1156	2600
25	8126	9086	8265	9044	7799	5175	4410	5269	20-25	1493	4093
30	8473	9043	7476	9111	8162	5010	4060	5133	25-30	1797	5891
35	8762	8622	6196	8820	8511	4782	3629	4919	30-35	2037	7928
40	9002	7733	4799	8090	8814	4472	3230	4612	35-40	2188	10116
45	9167	6438	3414	6959	9080	4075	2819	4228	40-45	2242	12358
50	9273	4884	2137	5478	9291	3591	2410	3676	45-50	2194	14551
55	9357	3058	1379	3778	9474	3069	1968	3049	50-55	2060	16612
60	9339	1578	945	2020	9611	2430	1391	2321	55-60	1870	18482
65	8750	900	614	1011	9497	1663	857	1440	60-65	1651	20133
70	5880	504	385	582	8305	854	512	707	65-70	1343	21475
75	707	235	201	310	4475	413	265	306	70-75	803	22279
80	120	79.1	104	125	486	165	121	87.1	75-80	274	22552
85	8.39	4.17	1.93	18.6	70.7	23.4	1.4	5.4	80-85	48.2	22600
90	10.7	1.87	0.82	1.45	6.25	0.8	0.64	0.78	85-90	5.38	22606
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: 1637.0mA P: 196.00W PF: 0.999 Test LM: 27792.8 lm		
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	6757	6921	7090	7209	7318	7276	7080	6906	6772	6642	6348	6044	5919	5847	5834	5879	6003	6387
10.0	7024	7365	7719	7897	8025	7980	7761	7514	7145	6790	6280	5751	5522	5381	5385	5533	5791	6418
15.0	7355	7809	8279	8433	8490	8453	8317	8092	7566	7059	6344	5603	5284	5090	5103	5324	5689	6537
20.0	7742	8219	8714	8754	8645	8620	8676	8572	7977	7402	6484	5532	5112	4849	4866	5163	5637	6708
25.0	8126	8546	8981	8817	8444	8435	8788	8908	8344	7799	6651	5462	4924	4577	4598	4987	5582	6876
30.0	8473	8723	8981	8529	7819	7833	8574	9007	8577	8162	6783	5355	4698	4268	4295	4781	5498	7012
35.0	8762	8700	8637	7826	6727	6770	7959	8786	8646	8511	6880	5190	4404	3881	3911	4496	5339	7080
40.0	9002	8447	7872	6770	5441	5519	7010	8169	8498	8814	6915	4947	4065	3502	3532	4158	5092	7081
45.0	9167	7973	6736	5445	4075	4189	5795	7191	8152	9080	6890	4622	3663	3094	3127	3766	4768	7006
50.0	9273	7353	5364	3983	2738	2868	4382	5895	7623	9291	6797	4215	3204	2669	2687	3261	4288	6824
55.0	9357	6601	3747	2507	1746	1903	2990	4401	6982	9474	6672	3769	2708	2209	2205	2694	3739	6597
60.0	9339	5944	2427	1370	1083	1180	1667	2850	6290	9611	6470	3216	2089	1618	1594	2015	3088	6269
65.0	8750	5316	1759	806	677	701	881	1939	5784	9497	6069	2520	1398	1034	985	1249	2240	5552
70.0	5880	3528	1092	465	411	428	517	1426	4926	8305	5046	1669	742	587	555	643	1273	3617
75.0	707	500	286	224	209	225	274	765	2653	4475	2698	857	364	297	274	292	350	531
80.0	120	102	83.6	87.1	98.3	108	118	164	328	486	345	200	151	131	114	98.3	90.7	106
85.0	8.39	6.54	4.63	3.43	2.42	5.57	13.1	24.3	47.9	70.7	50	28.6	16.2	6.21	2.28	4.09	5.72	7.08
90.0	10.7	6.85	2.84	1.53	1.05	0.95	1.24	1.97	4.15	6.25	3.87	1.4	0.75	0.67	0.67	0.73	1.87	6.37
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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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: