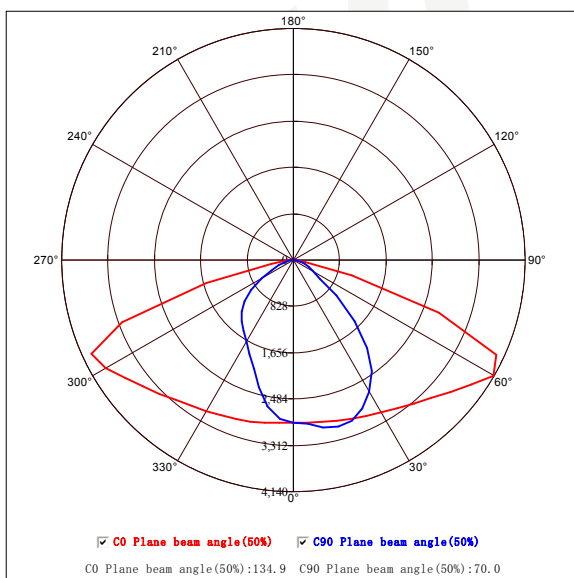


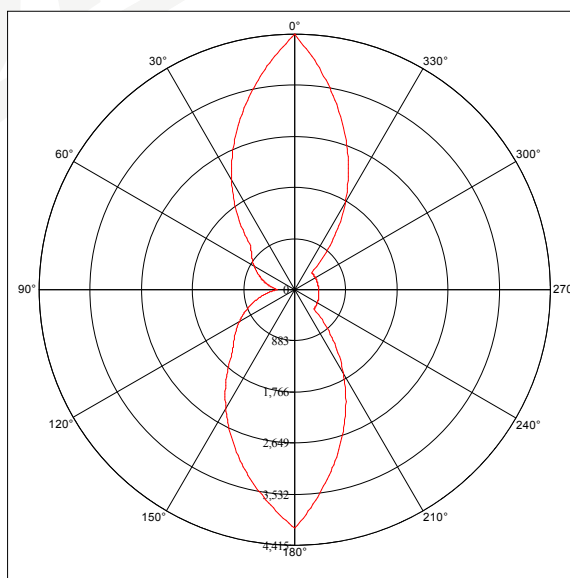
## Goniophotometer Test Report

Measured Para   U: 219.8V   I: 287.0mA   P: 61.10W   PF: 0.969   Test LM: 8205.73lm						
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)	4321.1	Efficiency(lm/w)	134.3
Nominal P(w)		0.0	Position	0.0, 60.0	UP(C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	8205.73	Down(C0-C180)	59.2
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)	40.8

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

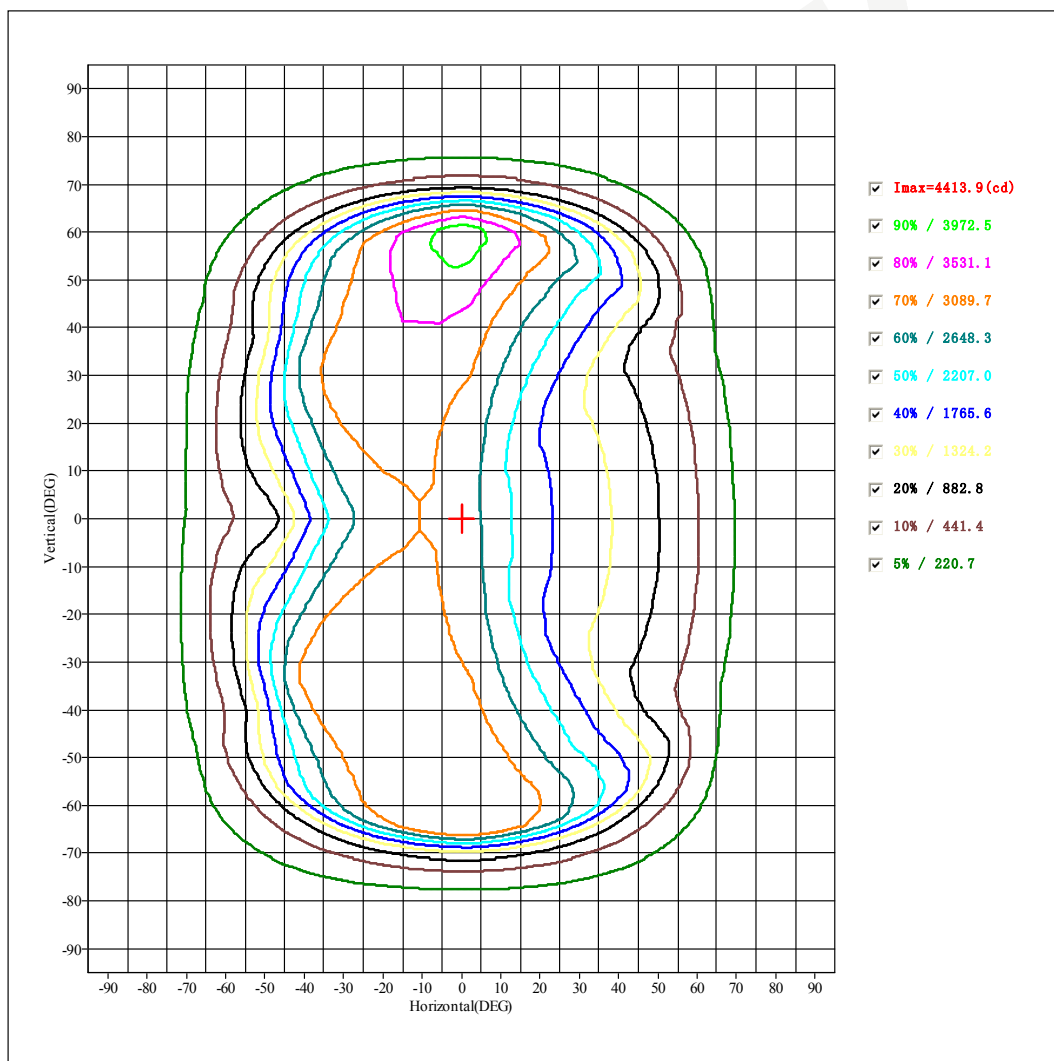
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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

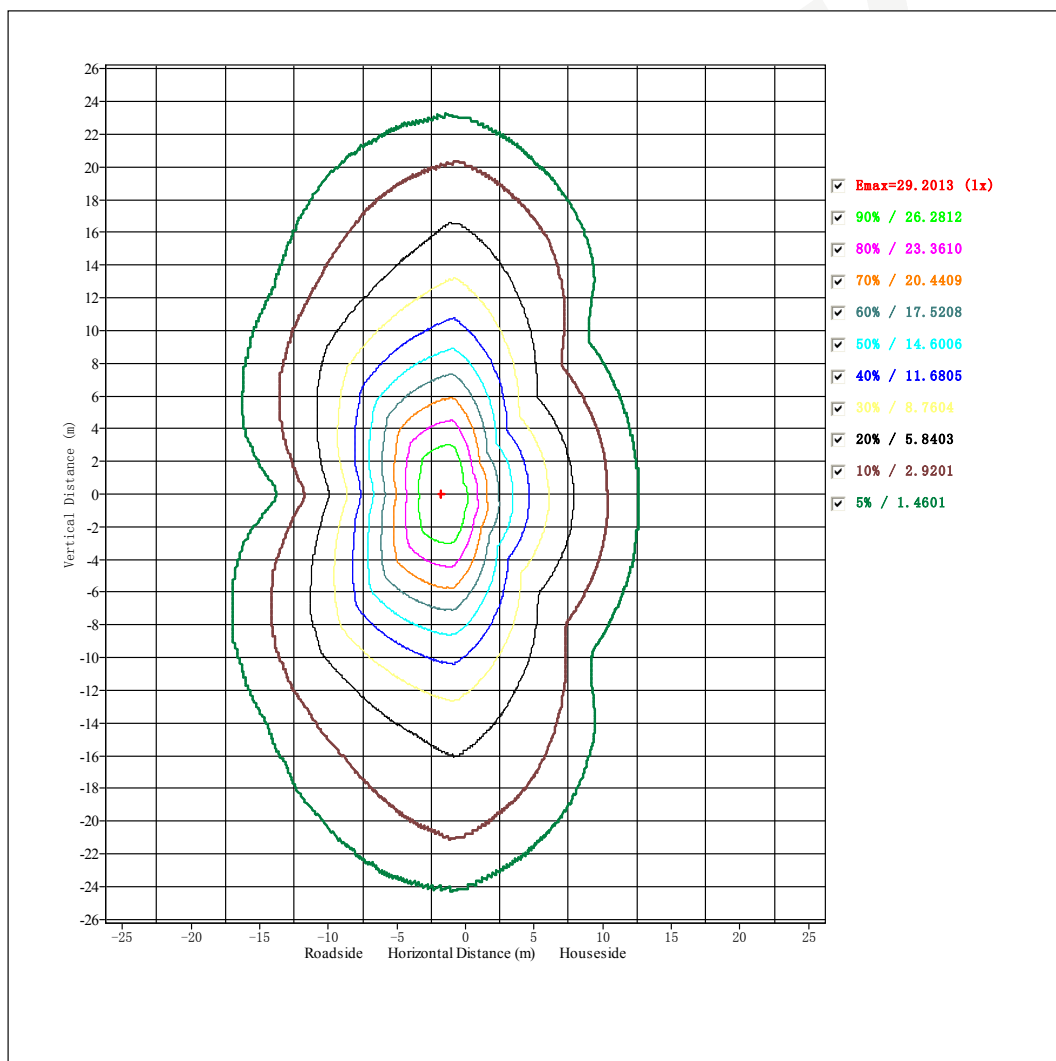
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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

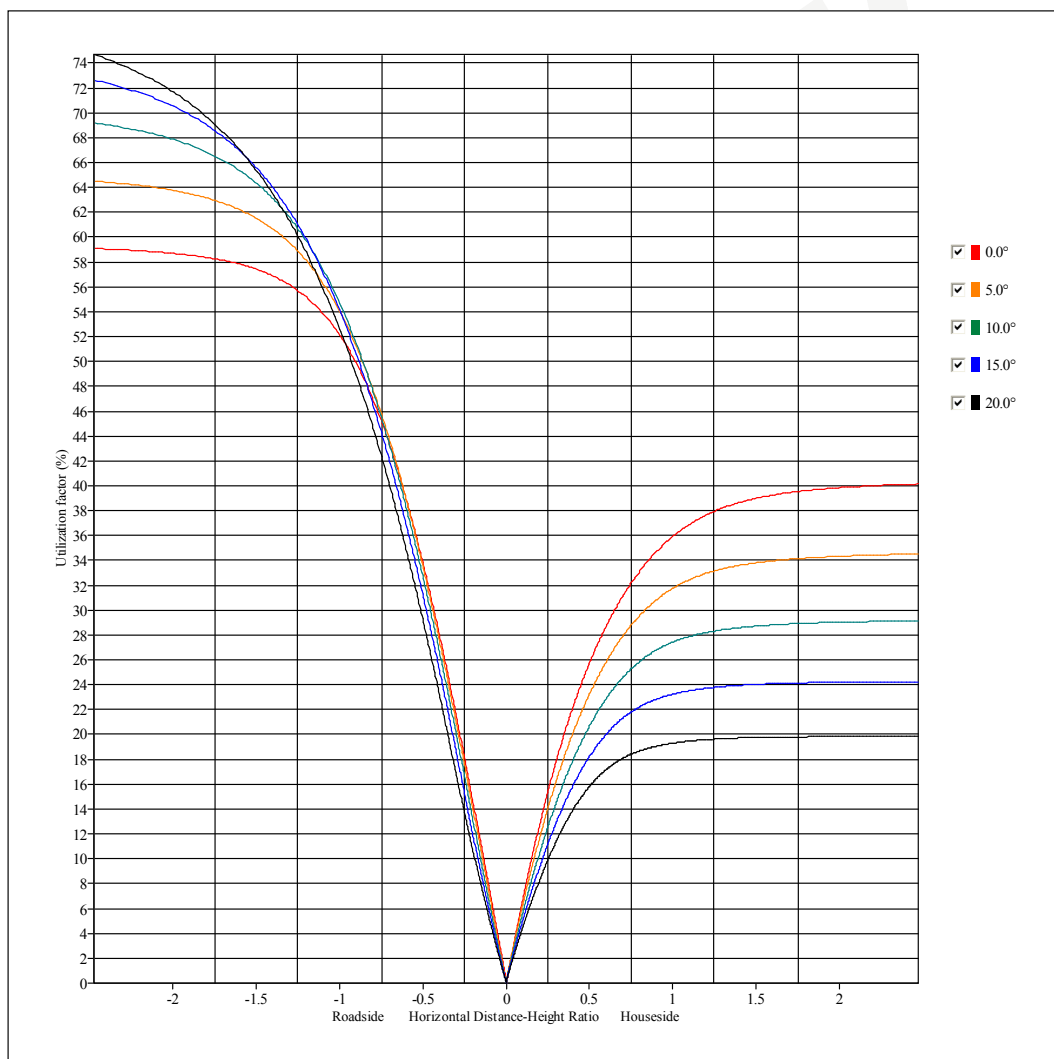
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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

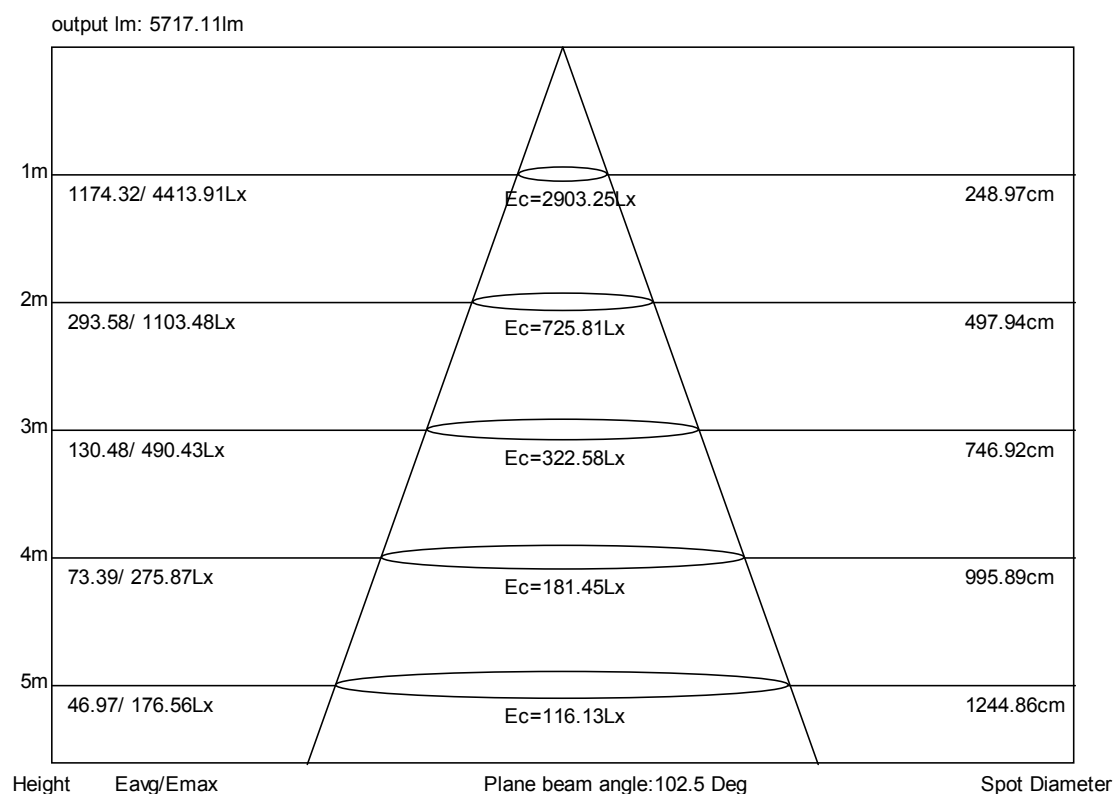
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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	2945	3022	3057	2996	2951	2743	2674	2681	0-5	69.1	69.1
10	2979	3119	3108	3110	2983	2528	2356	2464	5-10	204	273
15	3017	3200	3075	3217	3026	2273	2051	2199	10-15	331	605
20	3073	3274	2953	3299	3060	2003	1828	1964	15-20	448	1052
25	3133	3320	2733	3384	3109	1807	1687	1772	20-25	556	1608
30	3225	3366	2459	3471	3176	1636	1549	1596	25-30	655	2263
35	3349	3404	2074	3561	3256	1458	1433	1425	30-35	744	3007
40	3487	3349	1571	3608	3375	1317	1319	1270	35-40	818	3826
45	3640	3203	951	3523	3504	1153	1150	1097	40-45	868	4694
50	3893	2821	509	3258	3673	953	915	884	45-50	887	5580
55	4121	2023	379	2581	3831	723	660	649	50-55	866	6446
60	4414	1064	290	1511	4118	474	409	415	55-60	799	7245
65	3049	477	213	626	3851	288	258	263	60-65	659	7904
70	581	225	137	259	1193	174	163	157	65-70	376	8280
75	114	105	79.7	127	183	81.9	103	67.6	70-75	122	8402
80	32.5	35.6	25.7	51	58	24.8	26.8	16.9	75-80	37.8	8440
85	4.26	6.02	2.87	10.3	11.8	1.94	1.64	1.11	80-85	10.6	8450
90	1.55	0.24	0.14	0.38	1.05	0.22	0.19	0.32	85-90	1.51	8452
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: 219.8V I: 287.0mA P: 61.10W PF: 0.969 Test LM: 8205.73lm		
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	2945	2978	3013	3033	3050	3044	3016	2991	2971	2951	2860	2766	2720	2689	2675	2678	2710	2829
10.0	2979	3040	3103	3115	3111	3109	3110	3096	3039	2983	2784	2578	2472	2394	2380	2429	2520	2754
15.0	3017	3097	3180	3159	3103	3106	3171	3196	3109	3026	2696	2355	2200	2099	2083	2150	2288	2659
20.0	3073	3161	3252	3168	3023	3029	3186	3273	3164	3060	2597	2119	1946	1866	1858	1920	2085	2588
25.0	3133	3215	3299	3127	2861	2875	3171	3354	3229	3109	2539	1950	1768	1713	1705	1744	1921	2538
30.0	3225	3287	3350	3068	2658	2681	3139	3439	3305	3176	2502	1804	1607	1568	1560	1581	1774	2512
35.0	3349	3373	3398	2968	2365	2399	3073	3527	3389	3256	2469	1655	1450	1439	1431	1427	1635	2507
40.0	3487	3426	3364	2765	1960	2017	2939	3582	3477	3375	2475	1542	1317	1319	1308	1286	1512	2517
45.0	3640	3449	3251	2464	1444	1514	2679	3521	3512	3504	2475	1410	1152	1150	1138	1114	1375	2527
50.0	3893	3424	2938	2062	1015	1110	2356	3303	3491	3673	2483	1250	940	923	908	894	1213	2576
55.0	4121	3203	2252	1484	739	861	1859	2718	3284	3831	2471	1063	702	674	658	653	1029	2602
60.0	4414	2948	1431	810	459	557	1110	1796	2978	4118	2524	873	453	423	410	413	853	2664
65.0	3049	1924	759	390	271	303	490	979	2440	3851	2292	678	278	265	259	261	567	1830
70.0	581	425	264	196	156	164	219	361	784	1193	747	286	170	165	161	159	204	396
75.0	114	110	106	96.7	85.2	90.1	112	134	159	183	139	93	88.8	98.2	95.1	79.2	72.8	94
80.0	32.5	33.8	35.3	32.4	27.9	31.2	42.7	51.7	55	58	43.5	28.5	25.5	26.3	24.6	20.1	18.6	25.7
85.0	4.26	5.03	5.83	4.98	3.56	4.49	7.86	10.5	11.1	11.8	7.49	3.02	1.84	1.71	1.52	1.28	1.45	2.88
90.0	1.55	0.98	0.38	0.21	0.16	0.19	0.3	0.45	0.76	1.05	0.69	0.31	0.21	0.19	0.22	0.28	0.45	1.01
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: