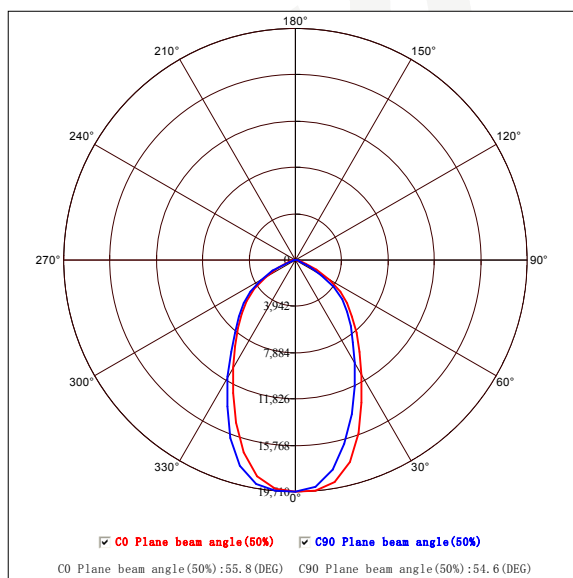


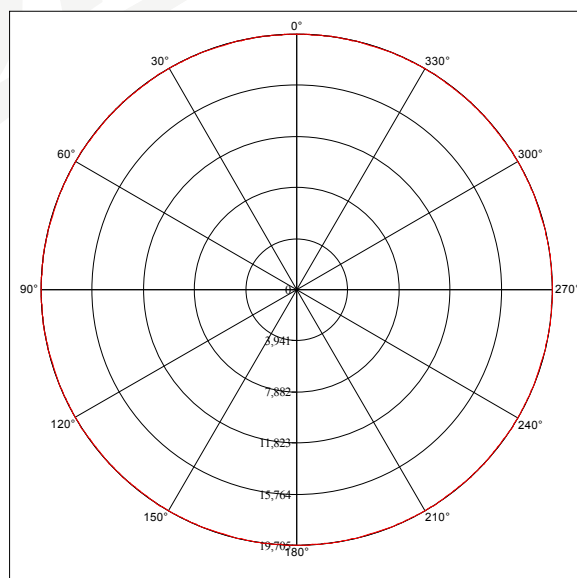
## Goniophotometer Test Report

Measured Para   U: 119.9V   I: 1637.0mA   P: 196.10W   PF: 0.999   Test LM: 26512.72lm						
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)	20137.2	Efficiency(lm/w)	135.2
Nominal P(w)		0.0	Position	0.0, 0.0	UP(C0-C180)	0.0
Rated Volt(v)		0.0	Total Flux(lm)	26512.72	Down(C0-C180)	48.4
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)	51.6

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

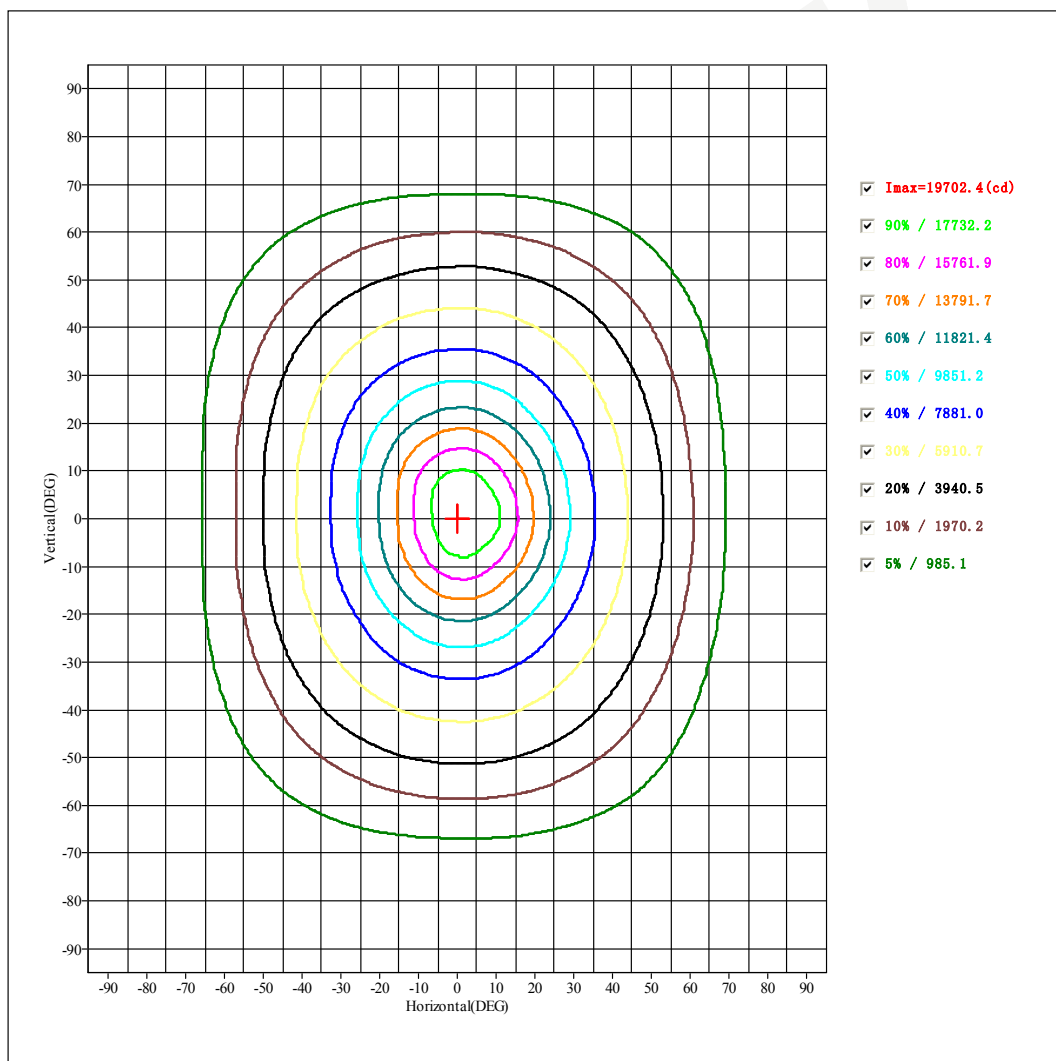
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.10W PF: 0.999 Test LM: 26512.72lm		
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

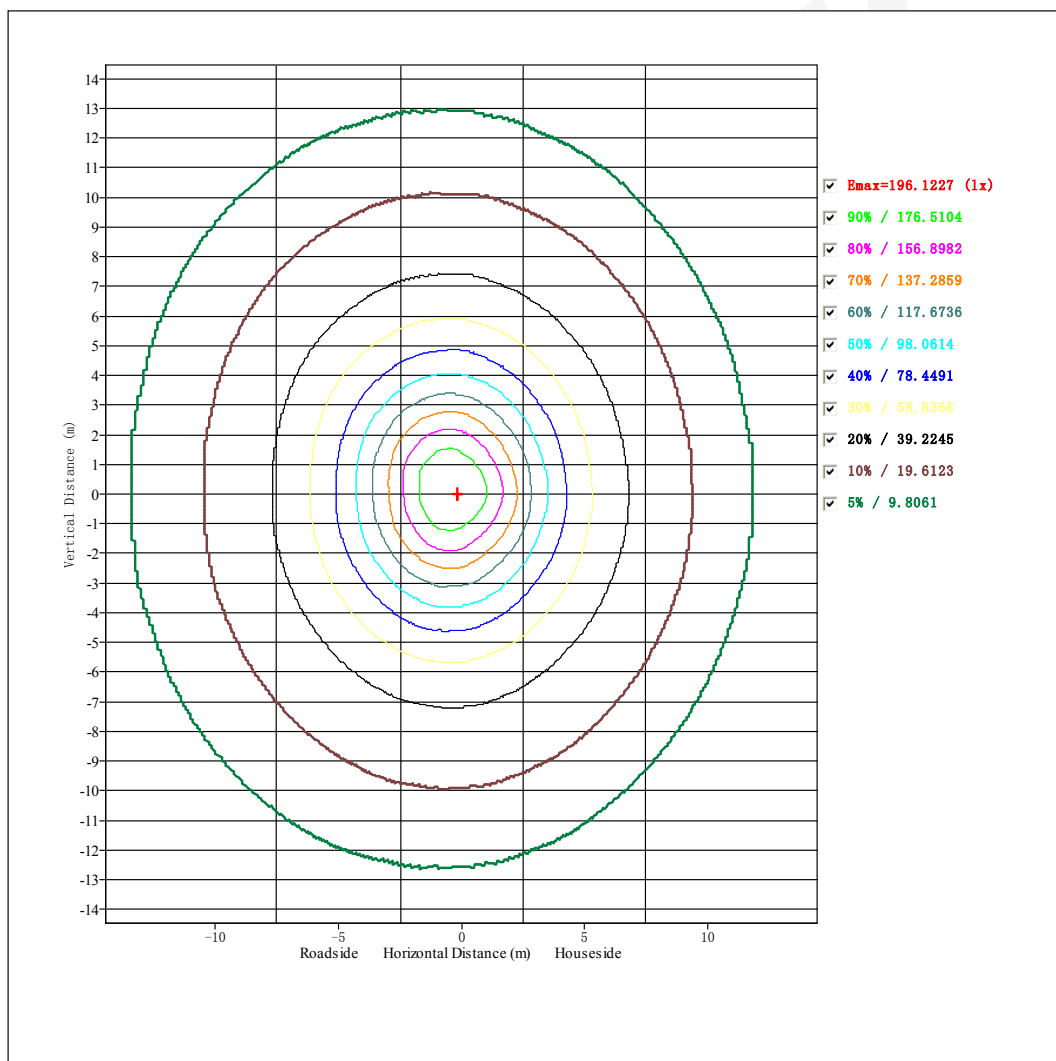
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.10W PF: 0.999 Test LM: 26512.72lm		
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

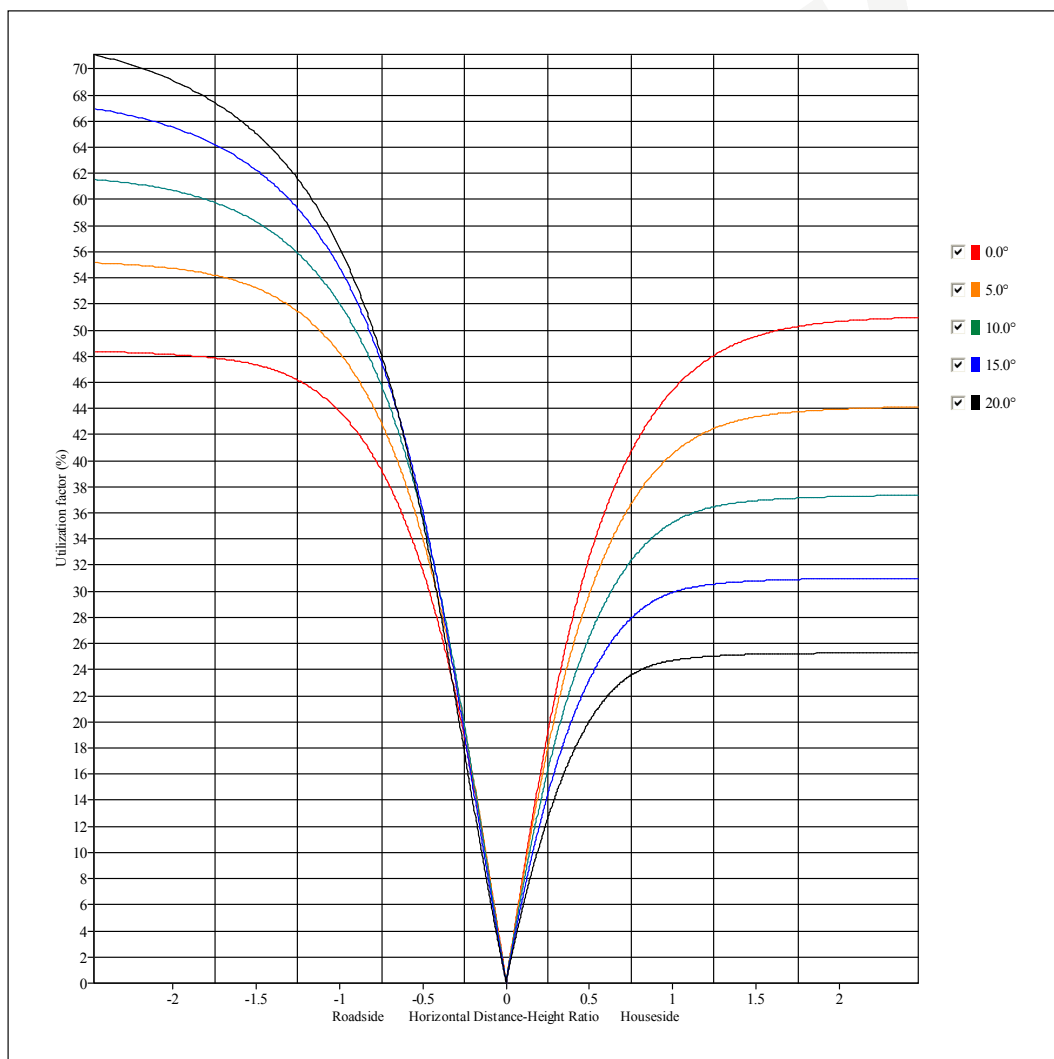
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.10W PF: 0.999 Test LM: 26512.72lm		
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

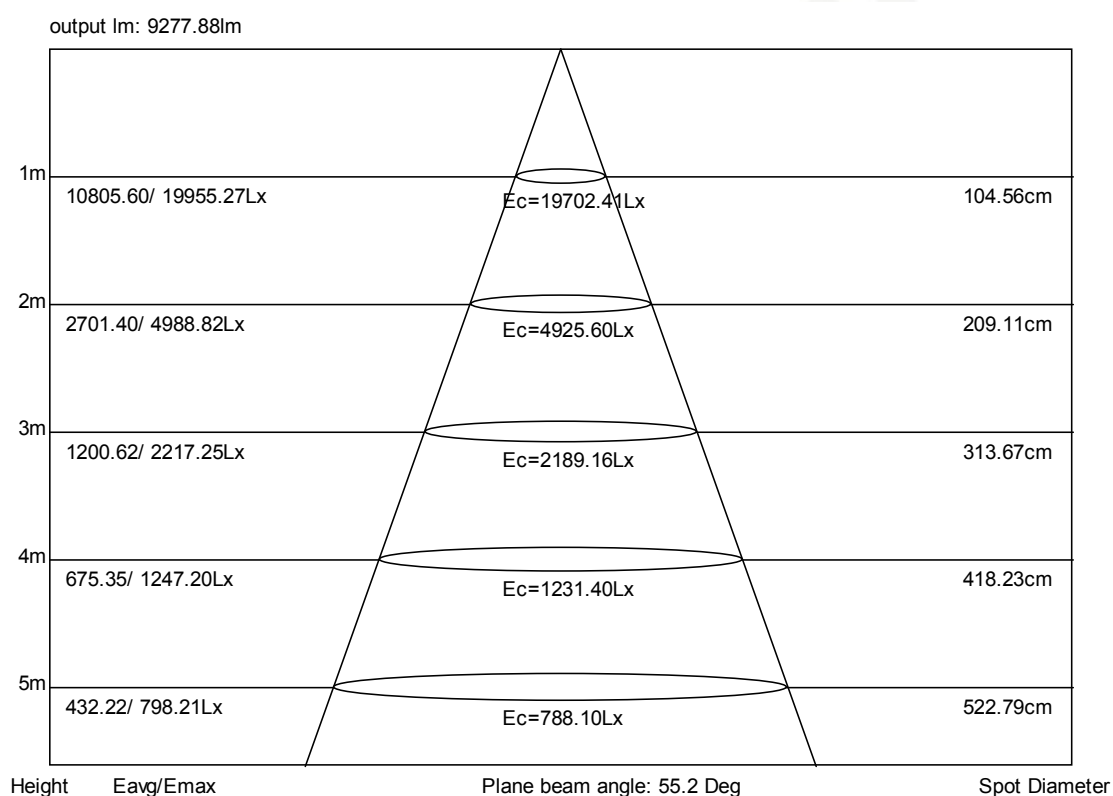
Humidity(%): 60

Date: 2019-5-22

Remark:

Measured Para U: 119.9V I: 1637.0mA P: 196.10W PF: 0.999 Test LM: 26512.72lm		
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: 1637.0mA P: 196.10W PF: 0.999 Test LM: 26512.72lm		
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	19591	19054	18277	18359	18978	19077	19601	19513	0-5	461	461
10	17991	17340	16216	16369	17040	17354	18342	18112	5-10	1295	1756
15	15677	15081	13957	14048	14673	14960	16172	15865	10-15	1913	3669
20	13300	12826	11801	11881	12454	12638	13733	13385	15-20	2283	5952
25	11173	10807	9983	10024	10455	10573	11382	11179	20-25	2452	8404
30	9460	9207	8485	8530	8840	8886	9495	9330	25-30	2490	10894
35	8006	7828	7244	7235	7507	7499	7960	7889	30-35	2451	13345
40	6763	6639	6172	6185	6398	6370	6717	6662	35-40	2355	15700
45	5721	5620	5200	5228	5423	5369	5659	5619	40-45	2213	17913
50	4738	4596	4060	4153	4400	4396	4726	4654	45-50	2007	19920
55	3417	3199	2530	2712	3012	3140	3568	3473	50-55	1649	21568
60	1809	1586	1099	1195	1423	1552	2165	1979	55-60	1091	22659
65	721	677	495	601	589	671	864	812	60-65	552	23211
70	396	457	331	407	369	442	420	504	65-70	277	23488
75	232	223	159	182	207	211	262	276	70-75	166	23653
80	94.6	89.3	48.7	66.7	82.9	78.9	114	99.8	75-80	81	23735
85	10.3	9.96	1.94	2.69	8.03	6.73	1.91	13.7	80-85	24.8	23759
90	0.46	0.84	0.64	0.89	0.68	0.39	0.53	0.61	85-90	2.06	23761
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: 196.10W PF: 0.999 Test LM: 26512.721m		
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	20k	19k	19k	19k	18k	18k	18k	18k	19k	19k	19k	19k	19k	19k	20k	20k	20k	20k
10.0	18k	18k	17k	17k	16k	16k	16k	16k	17k	17k	17k	17k	18k	18k	18k	18k	18k	18k
15.0	16k	15k	15k	15k	14k	14k	14k	14k	14k	15k	15k	15k	15k	16k	16k	16k	16k	16k
20.0	13k	13k	13k	12k	12k	12k	12k	12k	12k	12k	13k	13k	13k	13k	14k	13k	13k	13k
25.0	11k	11k	11k	11k	10k	9992	10k	10k	10k	10k	11k	11k	11k	11k	11k	11k	11k	11k
30.0	9460	9349	9235	8970	8643	8495	8515	8564	8705	8840	8860	8881	9085	9361	9458	9384	9344	9403
35.0	8006	7928	7847	7636	7371	7242	7238	7265	7388	7507	7503	7500	7651	7859	7945	7912	7902	7955
40.0	6763	6709	6652	6486	6274	6175	6181	6208	6305	6398	6386	6373	6484	6641	6705	6680	6673	6719
45.0	5721	5677	5631	5482	5292	5207	5219	5249	5338	5423	5399	5375	5464	5596	5650	5632	5630	5676
50.0	4738	4676	4611	4420	4177	4080	4122	4180	4292	4400	4398	4396	4504	4654	4710	4678	4663	4701
55.0	3417	3321	3223	2980	2677	2570	2653	2745	2881	3012	3068	3126	3280	3474	3547	3504	3467	3441
60.0	1809	1711	1610	1426	1206	1120	1164	1220	1323	1423	1479	1538	1753	2031	2124	2040	1960	1883
65.0	721	702	682	617	535	518	566	600	594	589	625	662	734	821	852	829	802	761
70.0	396	423	451	416	359	348	382	403	386	369	401	434	435	425	438	476	492	443
75.0	232	228	224	202	173	164	175	185	196	207	209	211	228	250	265	271	271	251
80.0	94.6	92.3	89.9	76	57.6	52.7	60.8	68.5	75.8	82.9	81.2	79.4	90.5	106	111	105	99.2	96.9
85.0	10.3	10.2	10	7.33	3.7	2.11	2.45	3.28	5.7	8.03	7.46	6.87	5.15	2.97	4.49	9.81	13.3	11.8
90.0	0.46	0.63	0.8	0.77	0.69	0.7	0.81	0.87	0.77	0.68	0.55	0.42	0.44	0.5	0.54	0.58	0.59	0.53
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: