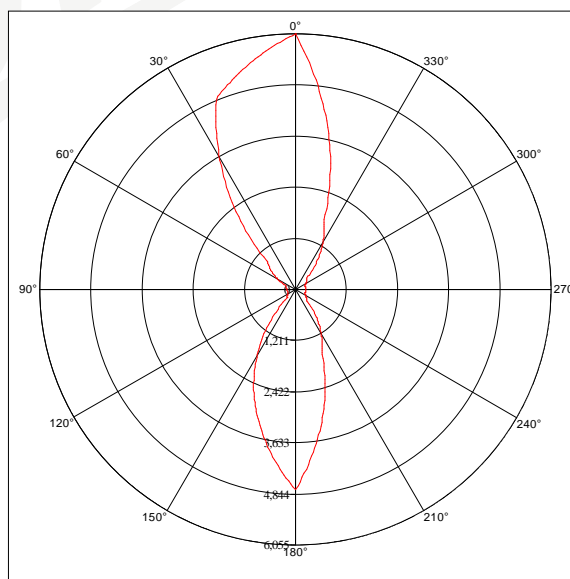
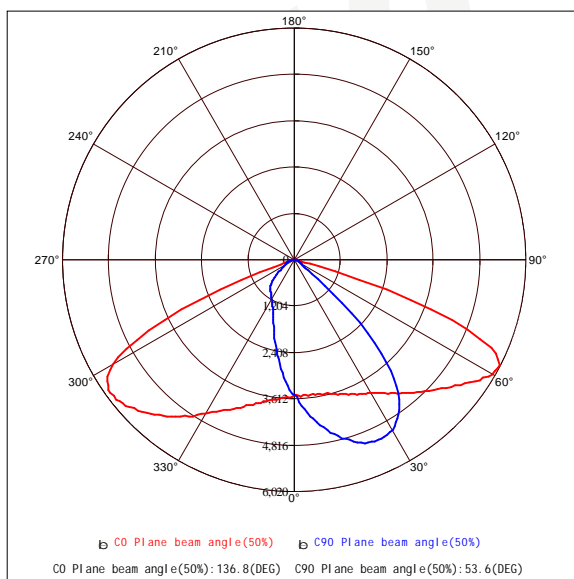


## Goniophotometer Test Report

Measured Para   U: 219.5V   I: 432.0mA   P: 93.63W   PF: 0.987   Test LM: 11161.42lm						
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)	6053.5	Effi ciency(lm/w)	119.2
Nominal P(w)	0.0		Position	0.0, 62.0	UP(C0-C180)	0.0
Rated Volt(v)	0.0		Total Flux(lm)	11161.425	Down(C0-C180)	65.5
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)	34.5

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

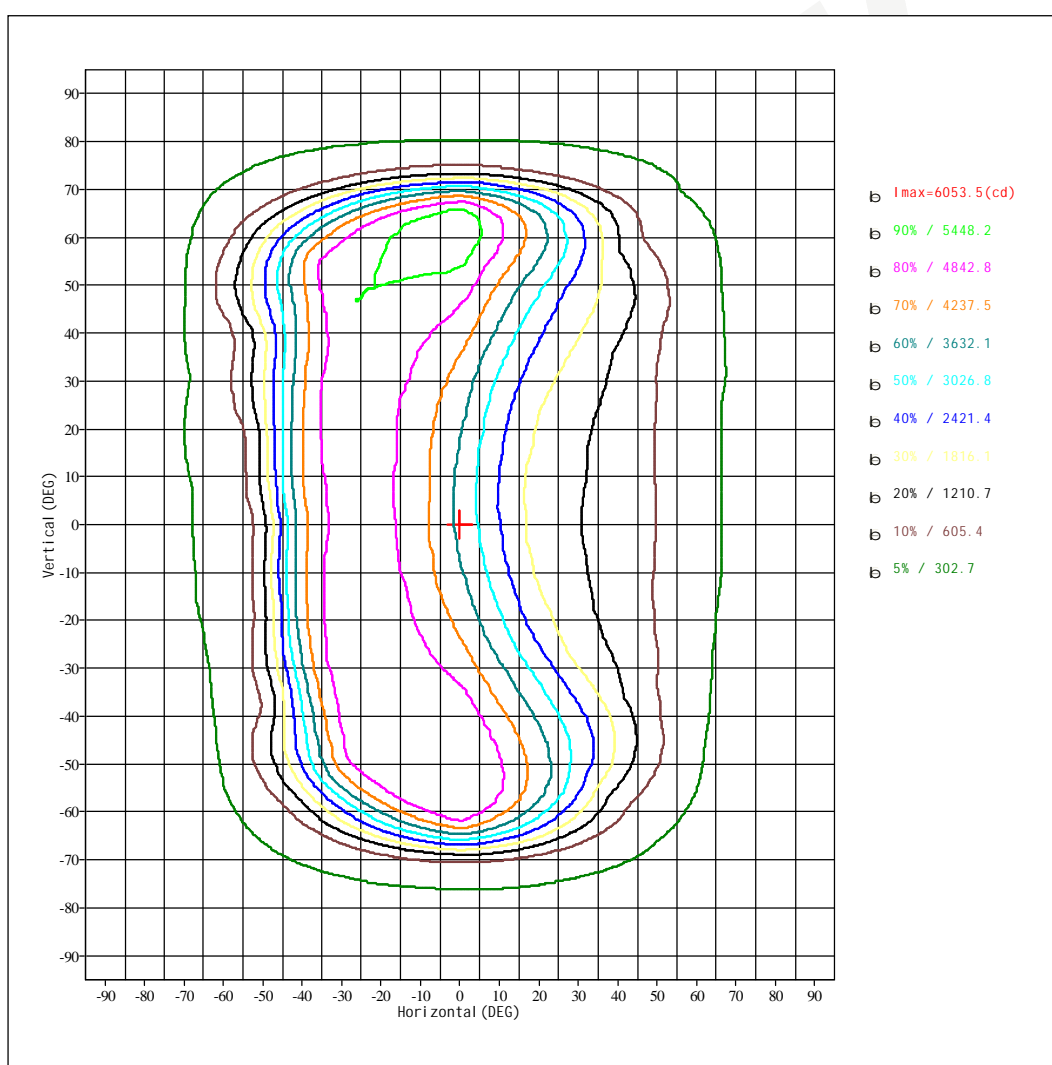
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Si ze:
Manufactory:	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

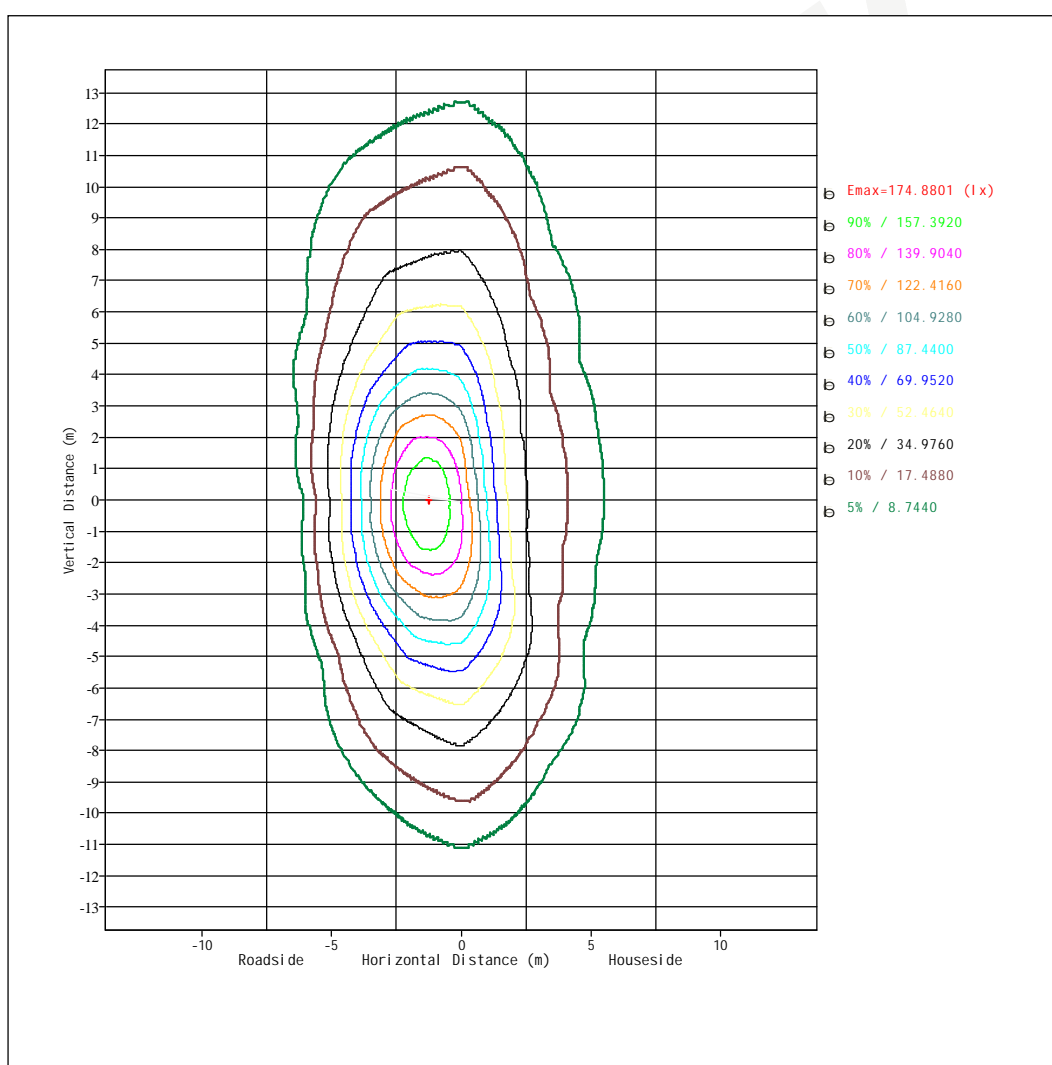
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Si ze:
Manufactory:	Sur(m^2):	Protect Angle(Deg):

Planar Isolux curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

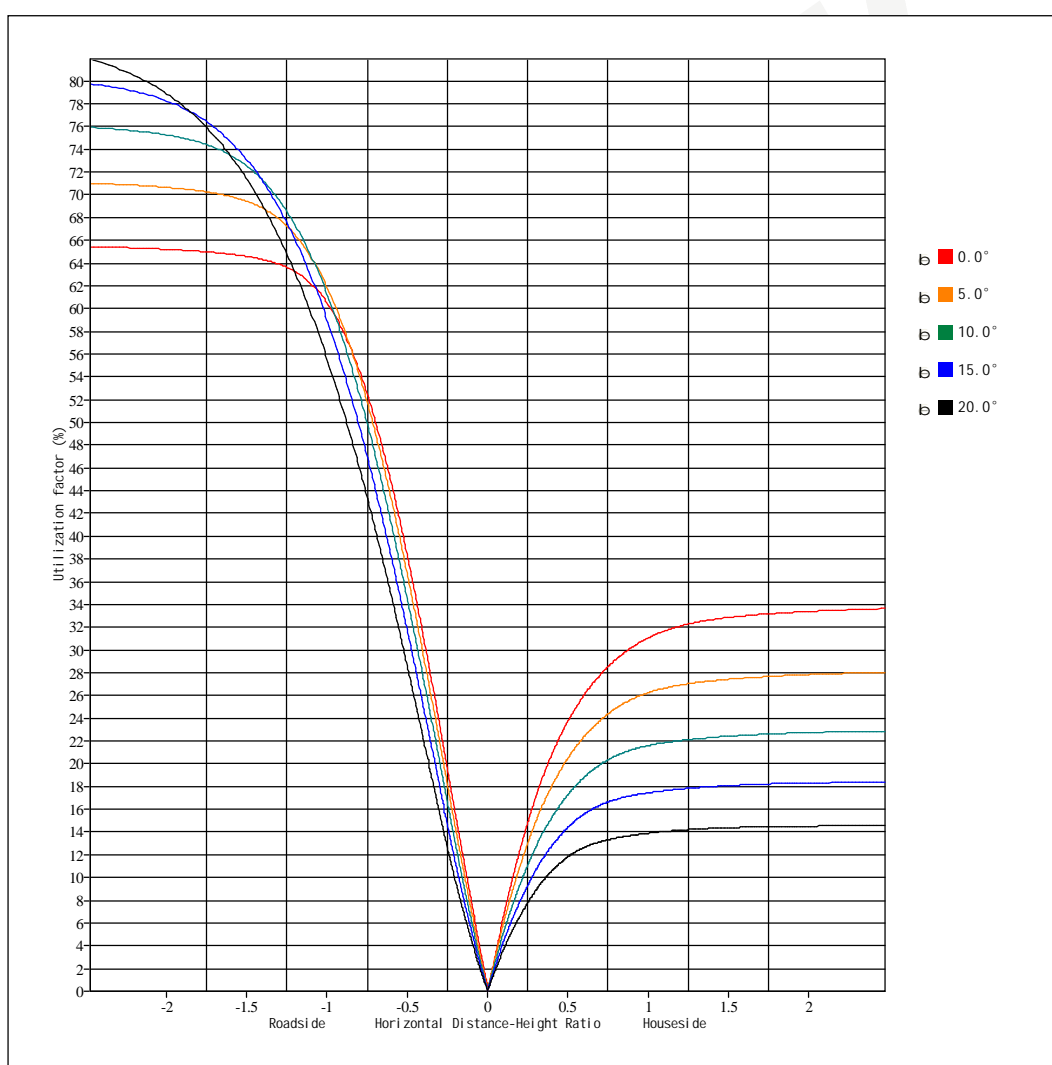
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Si ze:
Manufactory:	Sur(m^2):	Protect Angle(Deg):

### Utilization Coefficient



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

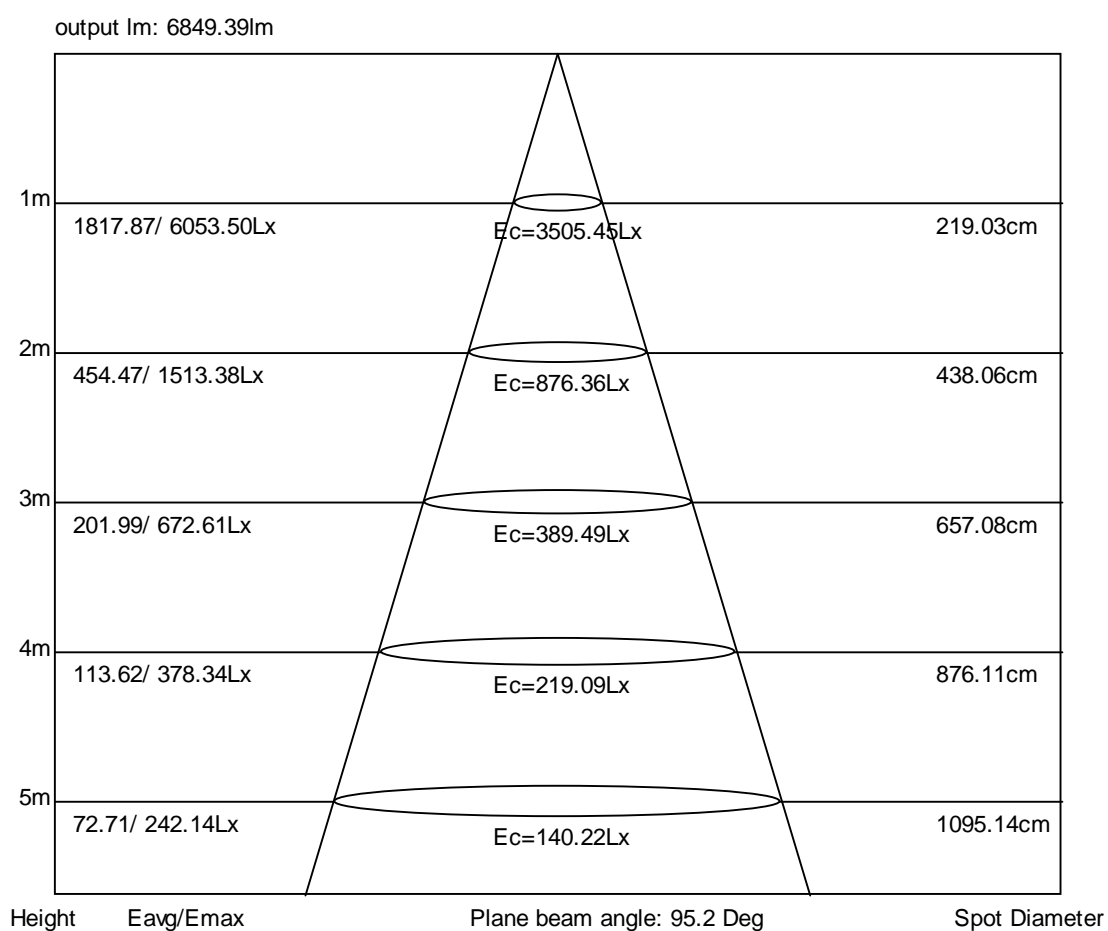
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
Lamp Name:	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec:	Shape Si ze:
Manufactory:	Sur(m^2):	Protect Angle(Deg):

### Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
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	3552	3885	4071	3912	3604	3219	3003	3063	0-5	83.8	83.8
10	3517	4218	4441	4297	3749	2917	2463	2713	5-10	251	335
15	3637	4497	4839	4639	3893	2650	1969	2350	10-15	417	752
20	3718	4826	5089	4940	4115	2316	1552	2027	15-20	583	1334
25	3858	4993	5149	5203	4326	2100	1311	1774	20-25	747	2081
30	4017	5182	5094	5332	4642	1865	1160	1546	25-30	907	2989
35	4271	5336	4710	5441	5004	1658	1039	1397	30-35	1058	4046
40	4547	5210	3933	5180	5313	1508	953	1265	35-40	1183	5230
45	4861	4881	2535	4548	5650	1330	808	1142	40-45	1246	6475
50	5229	4095	909	3316	5799	1137	602	1006	45-50	1206	7681
55	5596	2807	311	1594	5875	811	387	777	50-55	1078	8759
60	5950	1381	215	454	5359	477	268	504	55-60	925	9684
65	5751	533	183	181	3463	277	223	287	60-65	732	10417
70	3459	224	147	130	728	198	177	211	65-70	454	10871
75	519	126	102	93.9	138	146	108	169	70-75	185	11056
80	137	80.3	69.4	35.3	81.1	54.3	67.1	121	75-80	65.6	11121
85	73.6	28.8	24	9.1	18.1	18.1	20.9	43.2	80-85	31.5	11153
90	13.5	4.98	0.23	0.24	1.16	0.48	0.74	8.04	85-90	8.76	11161
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): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.5V I: 432.0mA P: 93.63W PF: 0.987 Test LM: 11161.42lm		
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	3552	3678	3843	3893	3995	4006	3918	3862	3673	3604	3457	3266	3081	3006	2965	2967	3095	3250
10.0	3517	3814	4139	4311	4405	4400	4330	4234	3977	3749	3362	3003	2667	2495	2448	2526	2766	3027
15.0	3637	4063	4415	4618	4770	4788	4694	4563	4241	3893	3342	2784	2281	2021	1955	2078	2456	2934
20.0	3718	4231	4712	4900	5023	5059	4994	4865	4537	4115	3385	2527	1911	1616	1567	1738	2175	2833
25.0	3858	4430	4888	5118	5164	5183	5219	5136	4824	4326	3396	2355	1656	1360	1326	1493	1953	2753
30.0	4017	4683	5094	5157	5116	5163	5280	5289	5072	4642	3514	2191	1443	1187	1183	1327	1755	2692
35.0	4271	4873	5253	5137	4851	4837	5152	5437	5370	5004	3623	2044	1290	1065	1069	1206	1631	2692
40.0	4547	5180	5223	4805	4222	4179	4730	5278	5589	5313	3720	1942	1156	961	976	1095	1522	2701
45.0	4861	5404	5012	4069	3020	2867	3725	4807	5721	5650	3770	1805	989	809	834	962	1411	2683
50.0	5229	5559	4425	2796	1437	1213	2193	3787	5509	5799	3647	1619	791	605	632	786	1293	2681
55.0	5596	5663	3434	1425	481	358	823	2302	4962	5875	3340	1285	534	388	403	546	1088	2625
60.0	5950	5305	2219	675	254	213	295	1093	3621	5359	2526	837	340	268	271	353	819	2447
65.0	5751	4314	1315	310	187	179	176	466	1729	3463	1283	429	240	222	223	245	518	1893
70.0	3459	2325	649	181	152	146	140	169	359	728	367	224	185	178	181	195	273	866
75.0	519	570	224	123	111	104	103	96.3	109	138	132	143	136	118	120	148	177	244
80.0	137	121	88.7	85.5	77.6	75	66.2	40	59.6	81.1	69.4	57.3	70	72	74	96.1	122	127
85.0	73.6	54.5	33.8	58.3	45.8	34.9	35.3	9.93	13.5	18.1	10.1	16.1	19	20.3	28.6	40.1	47.6	64.5
90.0	13.5	11.6	6.38	5.13	2.41	0.31	0.36	0.29	0.53	1.16	0.69	0.51	0.37	0.56	2.65	6.11	8.21	9.42
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
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150.0																		
155.0																		
160.0																		
165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester:

Distance(m): 10.523

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 22.5

Humidity(%): 60

Date: 2021-5-14

Remark: