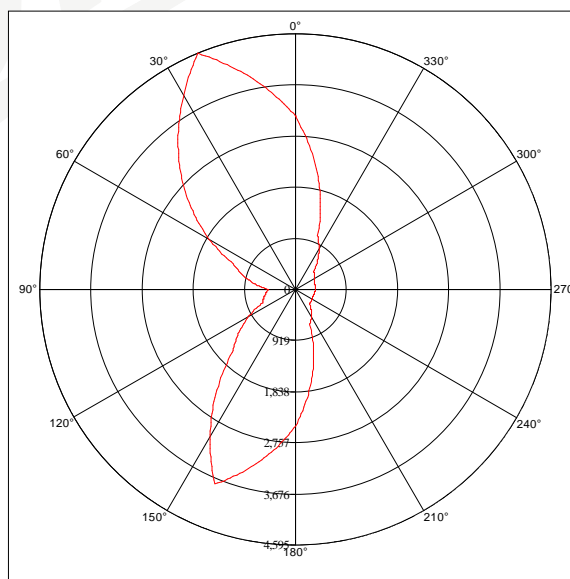
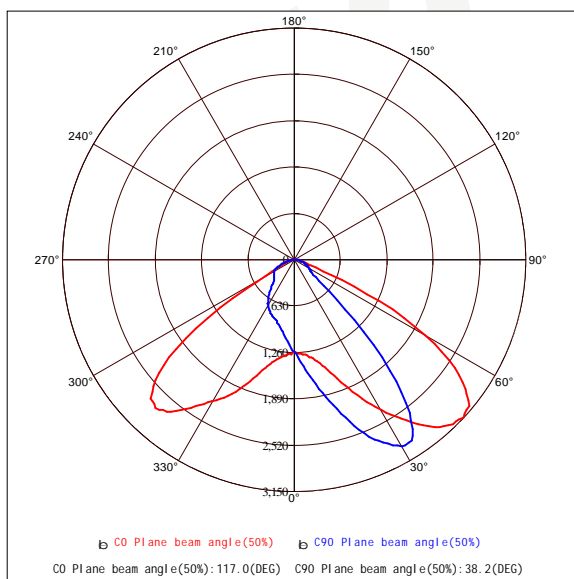


Goniophotometer Test Report

Measured Para U: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm						
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)	4592.3	Effi ciency(lm/w)	117.4
Nominal P(w)	0.0		Position	22.5, 49.0	UP(C0-C180)	0.0
Rated Volt(v)	0.0		Total Flux(lm)	5632.874	Down(C0-C180)	70.8
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)	29.2

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

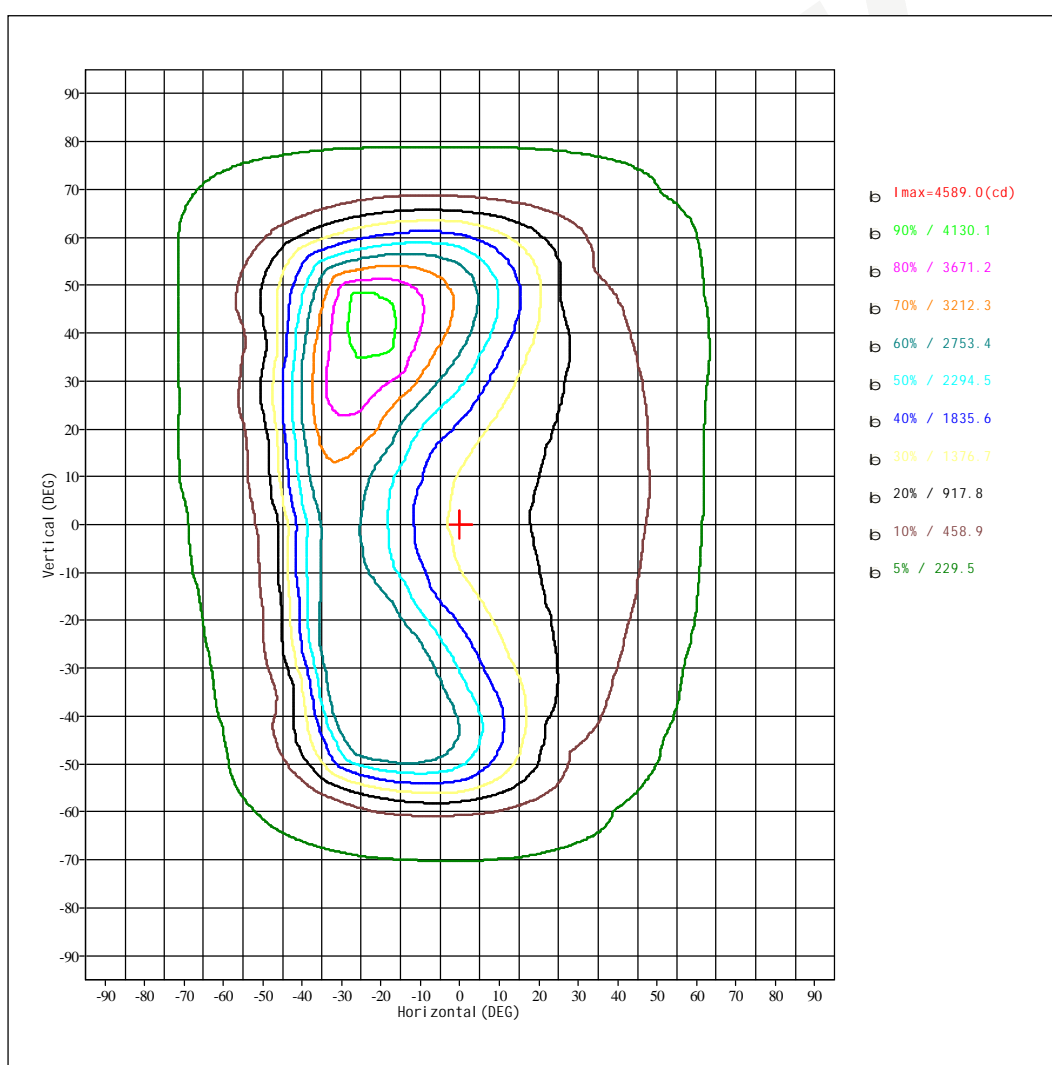
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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

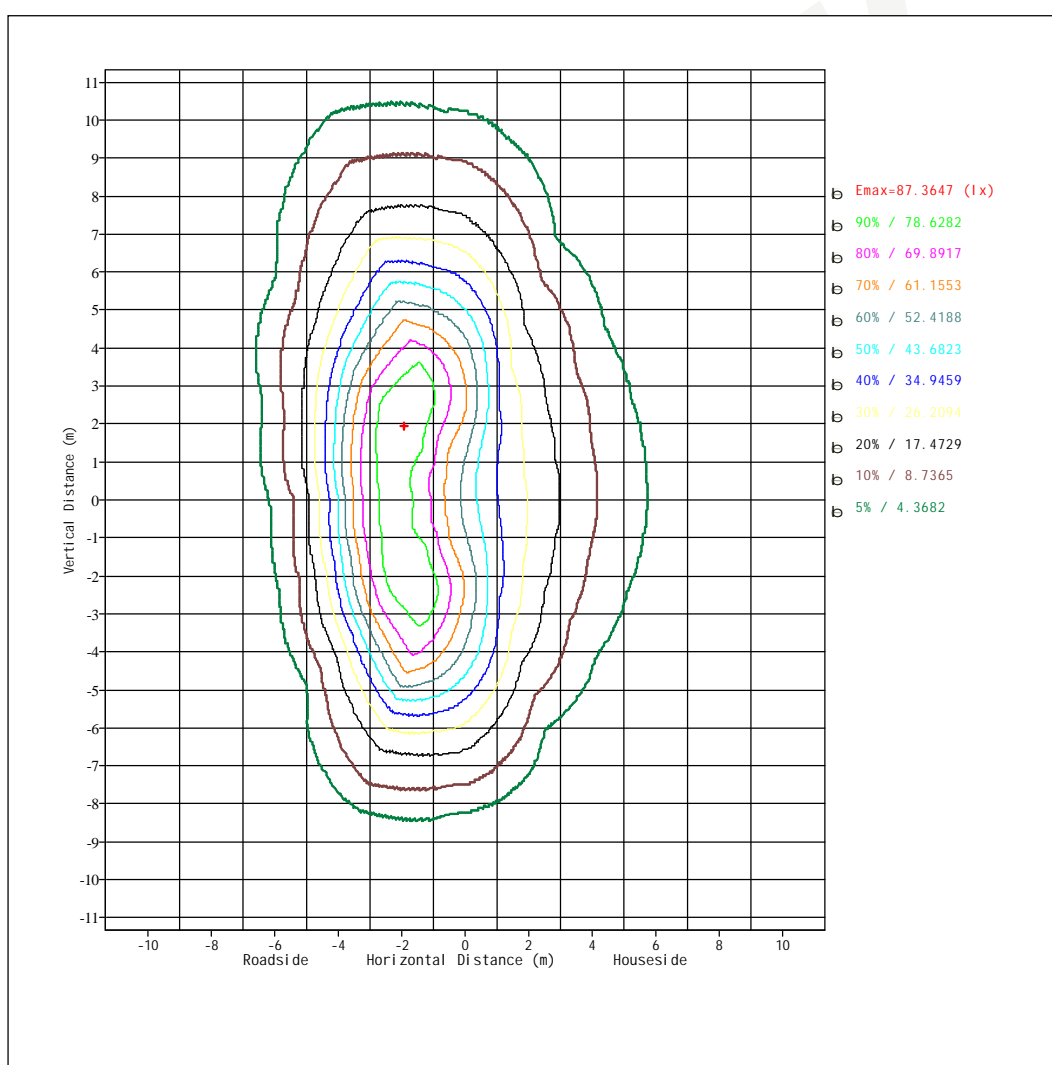
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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

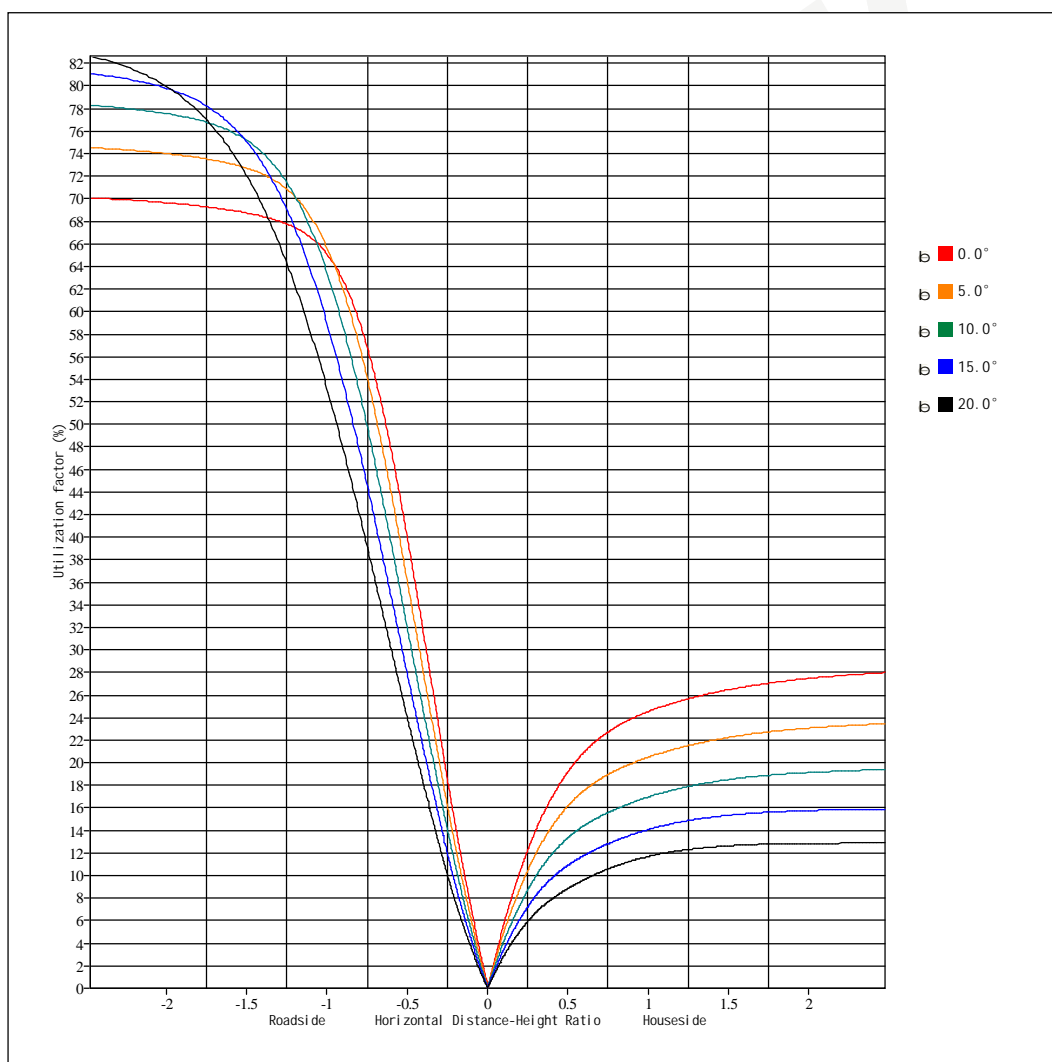
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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

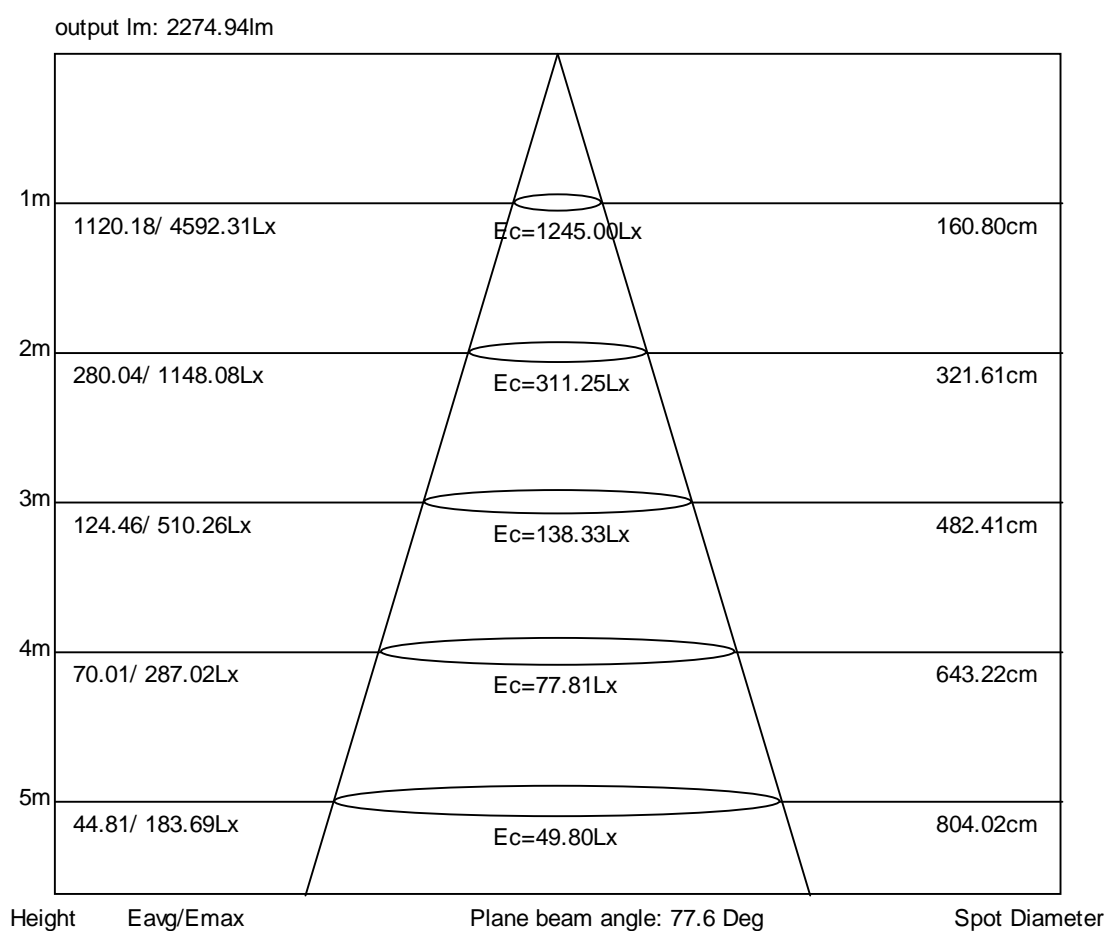
Humidity(%): 60

Date: 2021-5-14

Remark:

Measured Para U: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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	1301	1408	1485	1427	1302	1148	1094	1122	0-5	30.1	30.1
10	1349	1626	1745	1658	1398	1085	969	1037	5-10	93.3	123
15	1509	1923	2070	1993	1531	1042	872	985	10-15	167	290
20	1745	2331	2453	2418	1785	991	825	961	15-20	259	549
25	2063	2840	2737	2905	2032	952	772	921	20-25	373	922
30	2390	3343	2949	3272	2248	877	705	890	25-30	502	1423
35	2703	3773	2747	3476	2487	788	594	829	30-35	629	2052
40	2995	3873	2089	3408	2703	640	469	728	35-40	721	2774
45	3095	3557	1058	2546	2735	457	383	577	40-45	740	3513
50	3091	2758	406	1329	2331	347	351	436	45-50	665	4178
55	2691	1573	272	446	1535	297	338	359	50-55	527	4705
60	1956	647	236	219	511	263	307	314	55-60	374	5080
65	1001	280	201	165	181	212	264	283	60-65	235	5314
70	276	191	163	129	134	155	185	241	65-70	139	5454
75	158	146	124	86.4	98.4	82.1	129	182	70-75	83.2	5537
80	120	106	81.5	44	44.5	33.6	46.3	115	75-80	54	5591
85	85.4	62.4	54.8	13.8	2.46	1.75	7.11	46	80-85	29.3	5620
90	37.5	29.7	19.6	0.17	0.25	0.25	0.28	8.31	85-90	12.4	5633
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: 219.3V I: 221.0mA P: 47.98W PF: 0.988 Test LM: 5632.87lm		
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	1301	1326	1391	1413	1454	1452	1415	1405	1324	1302	1235	1165	1113	1094	1084	1088	1130	1179
10.0	1349	1447	1590	1656	1713	1724	1683	1622	1480	1398	1247	1116	1016	974	964	985	1062	1177
15.0	1509	1653	1868	1946	2021	2037	1994	1940	1725	1531	1290	1089	959	892	877	918	1023	1200
20.0	1745	1984	2263	2344	2408	2423	2396	2362	2115	1785	1373	1062	903	839	827	874	1019	1292
25.0	2063	2465	2770	2797	2754	2741	2800	2853	2586	2032	1402	1030	854	786	778	832	999	1375
30.0	2390	3048	3299	3152	2994	2973	3097	3249	3049	2248	1433	973	772	710	716	785	979	1436
35.0	2703	3584	3759	3430	2967	2847	3148	3511	3492	2487	1451	900	665	597	611	699	931	1472
40.0	2995	4061	3948	3212	2429	2221	2740	3561	3931	2703	1418	770	523	466	484	581	848	1489
45.0	3095	4286	3754	2591	1508	1211	1799	2907	4015	2735	1204	573	399	376	391	462	715	1442
50.0	3091	4329	3140	1605	666	459	802	1817	3408	2331	827	405	343	346	357	390	557	1252
55.0	2691	3803	2095	800	326	274	335	850	2197	1535	491	307	308	328	339	347	426	920
60.0	1956	2715	1123	399	251	235	229	391	945	511	262	255	272	294	310	314	333	594
65.0	1001	1556	577	243	211	196	182	182	233	181	174	204	228	252	269	277	278	352
70.0	276	539	275	187	173	159	145	128	126	134	125	148	169	181	201	228	233	214
75.0	158	175	153	145	133	120	105	85.9	85.9	98.4	78.5	80.7	101	121	141	166	176	155
80.0	120	119	109	107	92.7	80	66.4	44.4	45.4	44.5	24.9	31.1	40	45	65.3	98.5	114	110
85.0	85.4	78.8	65.8	68.4	62.1	48.9	31.9	13.3	10.2	2.46	0.64	1.45	2.56	5.3	16.9	35.2	49.3	64.2
90.0	37.5	36.2	31.1	31.1	25	14.1	4.71	0.19	0.26	0.25	0.17	0.23	0.19	0.22	0.29	3.06	10.2	19.7
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): 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: