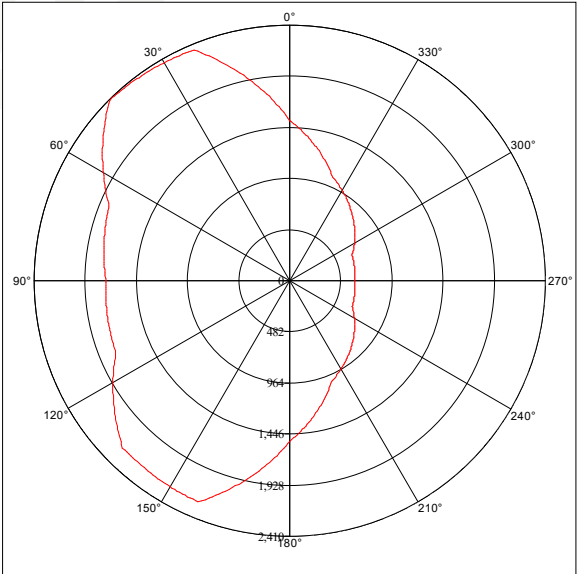
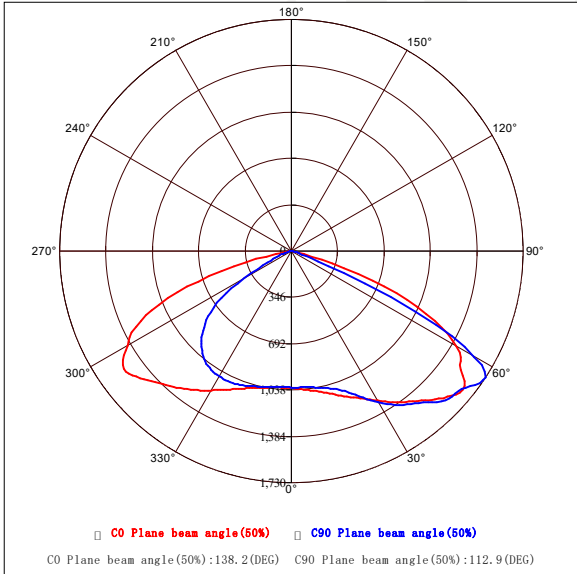


Goniophotometer Test Report

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm						
Lamp Name: PY-led560-60W			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: 60w		Shape Size:	
Manufactory: 普达照明			Sur(m^2):		Protect Angle(Deg): TYPEIII-S	
Light Source Data			Photometric Data			
Model	60w		Peak Value(cd)	2404.9	Efficiency(lm/w)	83.1
Nominal P(w)		60.0	Position	45.0, 56.0	UP(C0-C180)	0.0
Rated Volt(v)		230.0	Total Flux(lm)	5086.253	Down(C0-C180)	61.8
Rated Flux(lm)		1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		48	Dw Flux Rate(%)	100.0	Down(C180-C360)	38.2

Planar Intensity Distribution Curve

Peak Point Conical surface Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

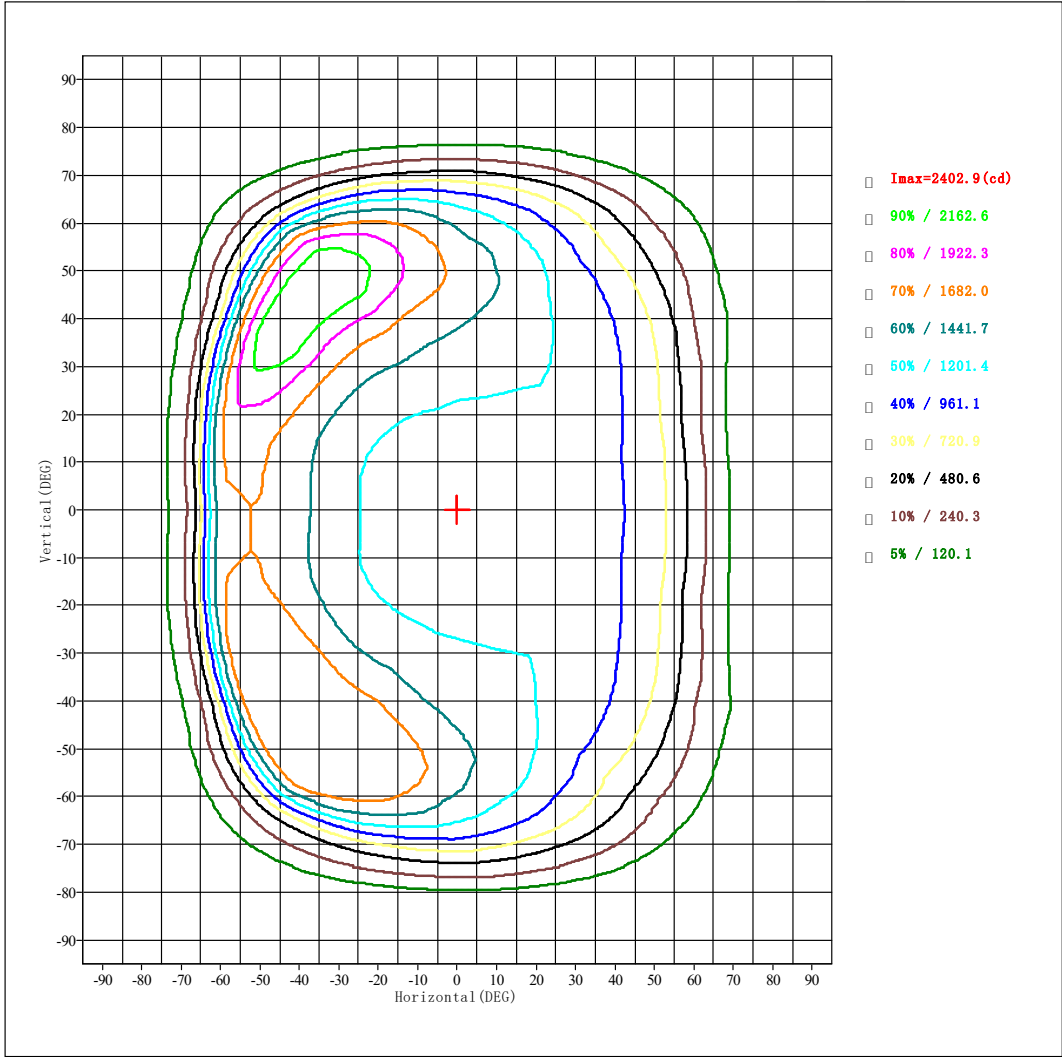
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur(m ²):	Protect Angle(Deg): TYPEIII-S

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

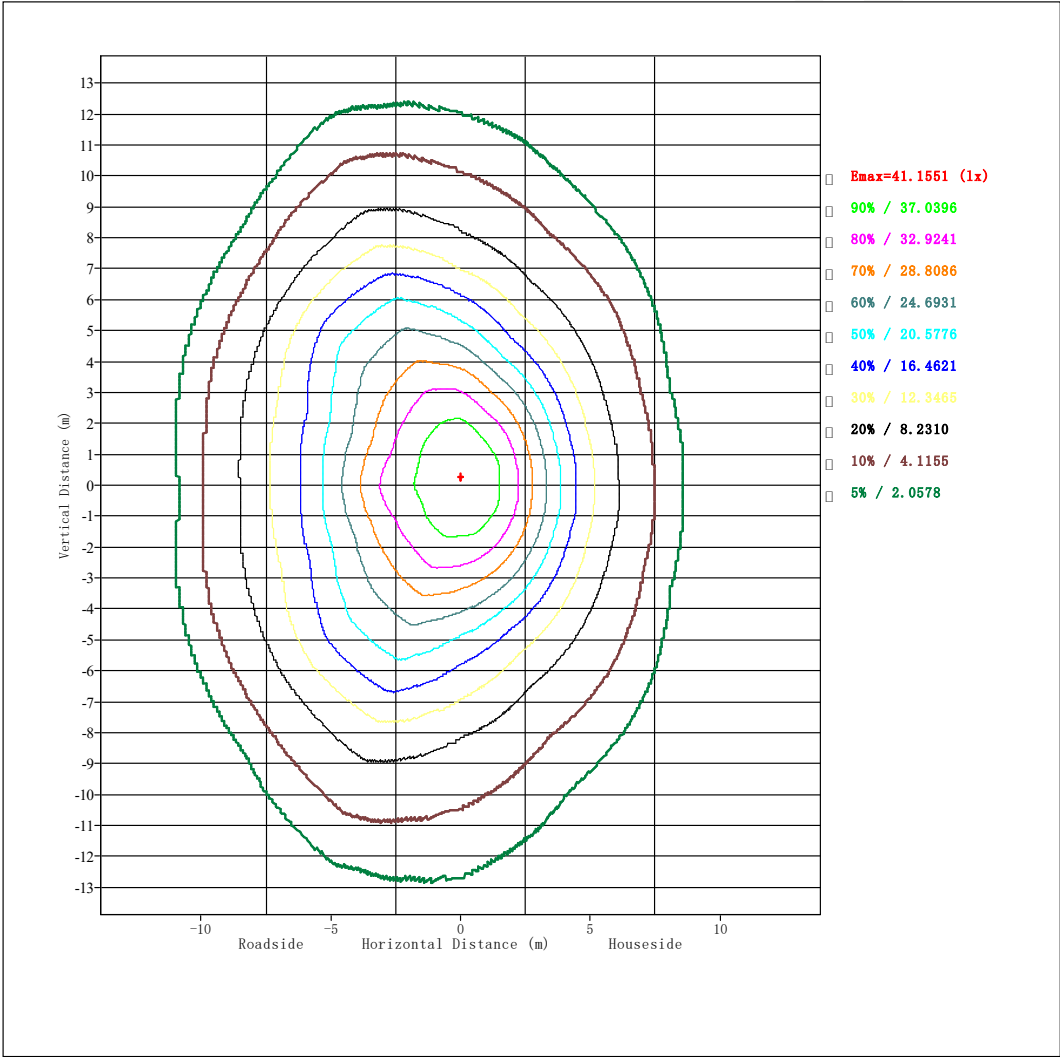
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur (m ²):	Protect Angle(Deg): TYPEIII-S

Planar Isolux curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

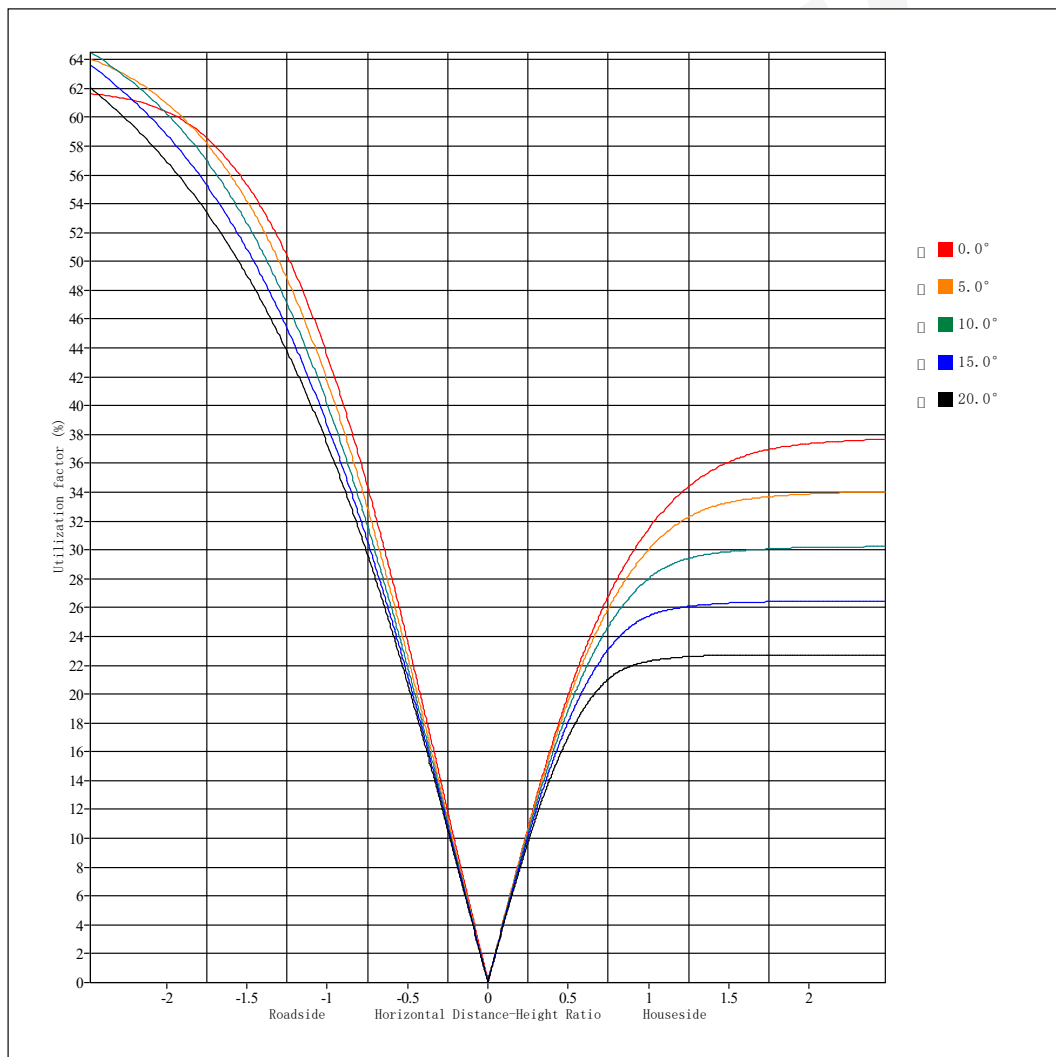
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur (m ²):	Protect Angle(Deg): TYPEIII-S

Utilization Coefficient



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

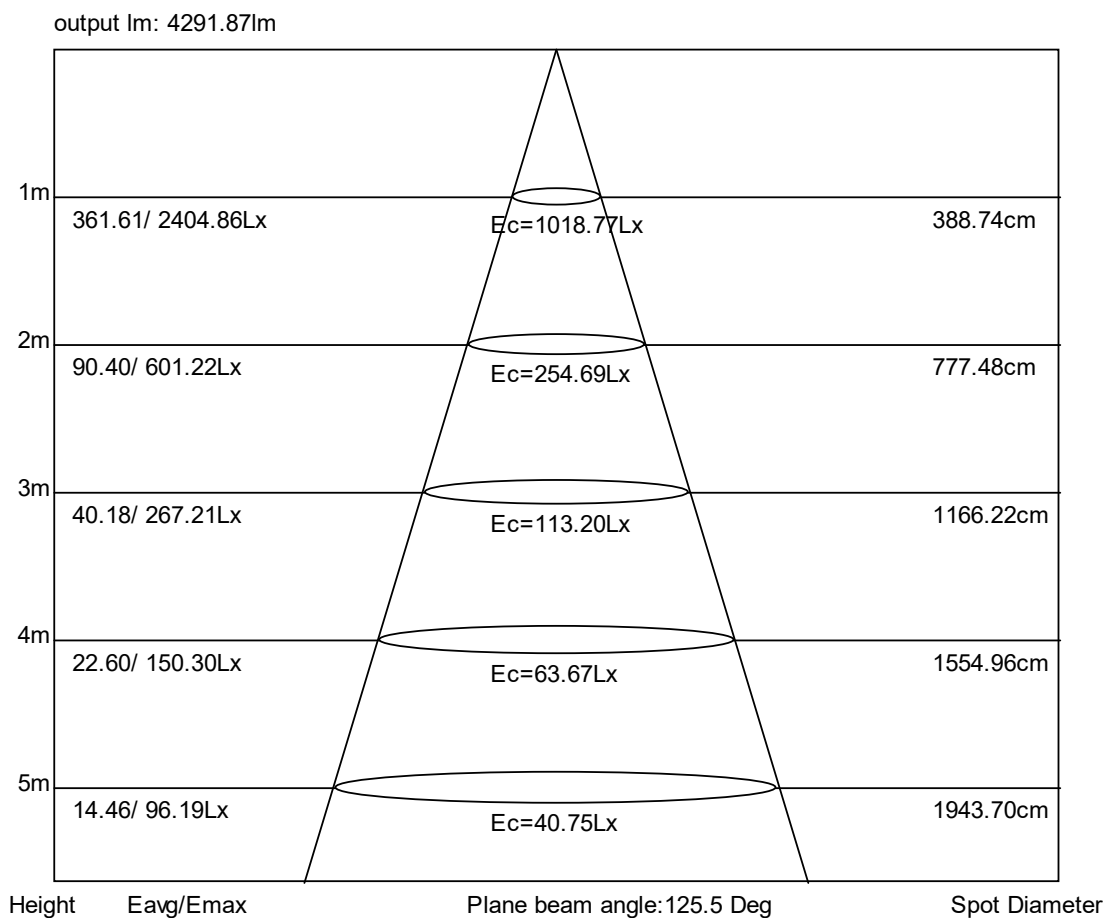
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur (m ²):	Protect Angle(Deg): TYPEIII-S

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur(m ²):	Protect Angle(Deg): TYPEIII-S

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	1040	1031	1023	1019	1022	1019	1020	1022	0-5	24.4	24.4
10	1064	1052	1037	1033	1037	1031	1033	1038	5-10	73.8	98.2
15	1107	1084	1064	1061	1061	1054	1049	1064	10-15	125	223
20	1160	1132	1114	1101	1097	1080	1069	1097	15-20	179	402
25	1218	1197	1208	1160	1149	1104	1081	1126	20-25	237	639
30	1301	1289	1314	1238	1208	1119	1078	1144	25-30	299	938
35	1388	1414	1414	1345	1273	1118	1063	1148	30-35	365	1303
40	1470	1577	1490	1494	1339	1105	1018	1128	35-40	432	1736
45	1572	1817	1594	1697	1406	1064	939	1079	40-45	502	2237
50	1647	2128	1632	1972	1484	984	830	997	45-50	576	2813
55	1530	2394	1724	2217	1529	865	656	873	50-55	639	3452
60	1397	2141	1535	2097	1399	695	374	684	55-60	650	4102
65	1071	1346	712	1390	1212	424	155	388	60-65	543	4645
70	598	339	127	364	863	129	81.6	117	65-70	308	4953
75	119	51.5	46	49.8	397	65.6	26.4	61.5	70-75	103	5056
80	18.8	14.7	8.84	10.6	50.6	28.7	0.53	24.9	75-80	24.5	5081
85	2.13	0.32	0.11	0.72	9.68	7.21	0.04	5.42	80-85	4.82	5086
90	0	0.01	0	0.02	1.1	0.23	0.04	0.16	85-90	0.68	5086
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): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.2V I: 275.0mA P: 61.21W PF: 0.971 Test LM: 5086.25lm		
Lamp Name: PY-led560-60W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 60w	Shape Size:
Manufactory: 普达照明	Sur(m ²):	Protect Angle(Deg): TYPEIII-S

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	1040	1033	1031	1027	1024	1020	1018	1018	1017	1022	1022	1019	1020	1020	1022	1023	1023	1026
10.0	1064	1055	1053	1044	1038	1032	1029	1033	1032	1037	1038	1032	1032	1033	1036	1039	1040	1048
15.0	1107	1094	1085	1071	1065	1059	1056	1062	1062	1061	1063	1056	1055	1052	1055	1063	1066	1080
20.0	1160	1150	1136	1117	1111	1104	1094	1103	1109	1097	1094	1083	1080	1073	1076	1089	1101	1121
25.0	1218	1224	1203	1186	1196	1187	1161	1165	1177	1149	1130	1109	1094	1085	1088	1107	1132	1163
30.0	1301	1327	1298	1273	1292	1286	1246	1245	1261	1208	1165	1128	1099	1083	1087	1115	1155	1207
35.0	1388	1459	1426	1380	1391	1383	1344	1354	1370	1273	1198	1133	1088	1067	1070	1103	1164	1245
40.0	1470	1616	1590	1499	1476	1464	1452	1500	1500	1339	1211	1124	1054	1022	1024	1065	1151	1264
45.0	1572	1836	1829	1670	1594	1577	1603	1703	1686	1406	1209	1090	991	945	946	999	1110	1266
50.0	1647	2114	2139	1870	1678	1657	1786	1978	1934	1484	1183	1018	893	837	838	899	1037	1237
55.0	1530	2265	2389	2015	1765	1736	1912	2221	2146	1529	1113	906	745	667	668	749	920	1144
60.0	1397	2177	2173	1922	1654	1633	1875	2124	2120	1399	934	733	515	394	390	505	723	928
65.0	1071	1718	1448	1173	874	888	1210	1493	1779	1212	728	475	252	158	158	240	441	686
70.0	598	799	446	262	168	171	275	488	922	863	439	183	101	83.9	82.6	95.2	162	357
75.0	119	138	70.9	51.1	48.1	49.4	52.5	75.6	196	397	126	70.3	42.3	28.1	26.1	37.9	63.2	75.8
80.0	18.8	23	16.6	15.6	12	11.6	13.6	13.1	25.5	50.6	31.6	28.8	12	1.69	0.67	9.11	25.3	25.8
85.0	2.13	2.49	0.81	0.39	0.25	0.27	0.56	1.13	3.49	9.68	7.75	7.27	2.55	0.07	0.02	1.86	6.57	9.59
90.0	0	0.11	0.04	0.07	0.04	0.07	0.11	0.05	0.29	1.1	1.34	0.48	0.08	0.02	0.02	0.06	0.36	0.95
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): 25

Tester:

Distance(m): 10.95

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 22.5

Humidity(%): 60

Date: 2024/1/24

Remark: