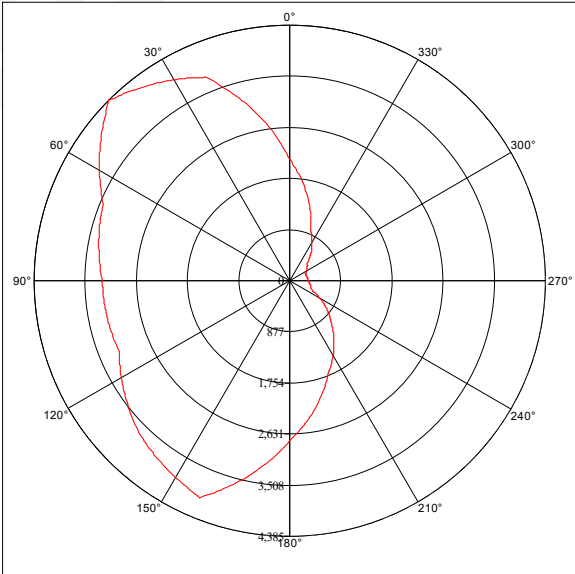
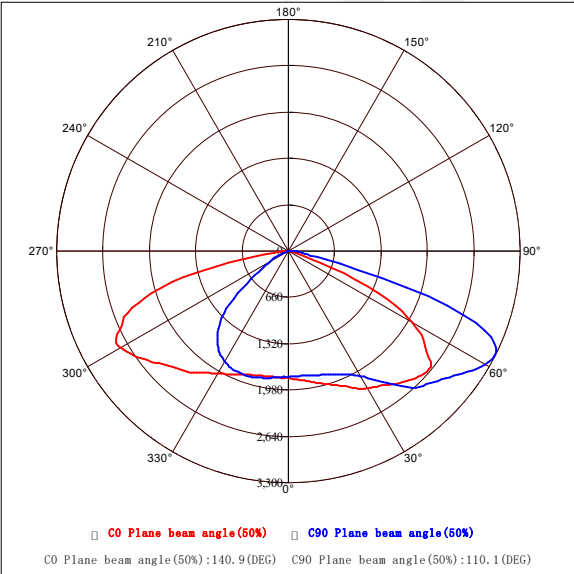


Goniophotometer Test Report

Measured Para    U: 229.3V    I: 440.0mA    P: 99.72W    PF: 0.988    Test LM: 9436.97lm						
Lamp Name: PY-led560-100W			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: 100w		Shape Size:	
Manufactory: 普达照明			Sur (m^2):		Protect Angle(Deg): TYPEIII-S	
Light Source Data			Photometric Data			
Model	100w		Peak Value(cd)	4380.1	Efficiency(lm/w)	94.6
Nominal P(w)		100.0	Position	45.0, 59.0	UP(C0-C180)	0.0
Rated Volt(v)		230.0	Total Flux(lm)	9436.970	Down(C0-C180)	68.4
Rated Flux(lm)		1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY		108	Dw Flux Rate(%)	100.0	Down(C180-C360)	31.6

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

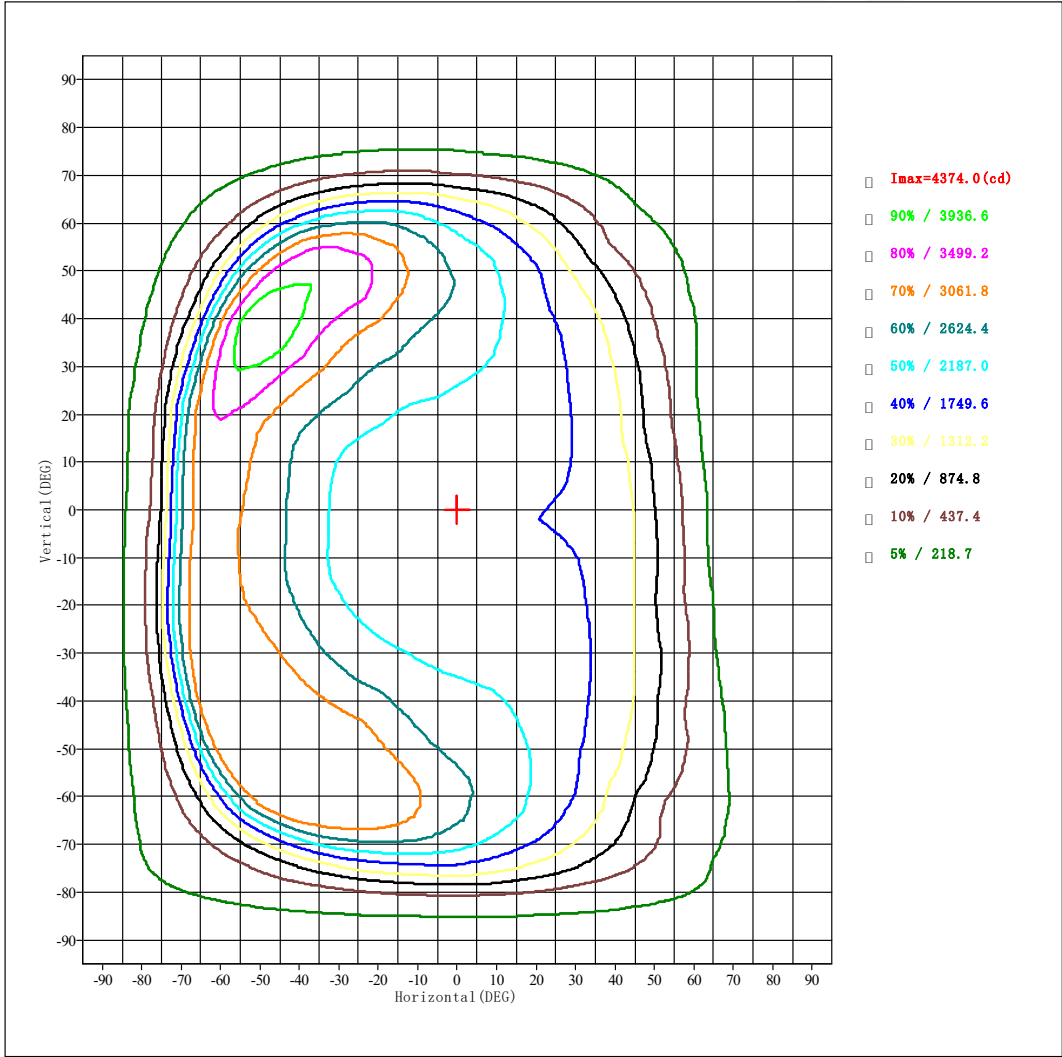
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur(m <sup>2</sup> ):	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

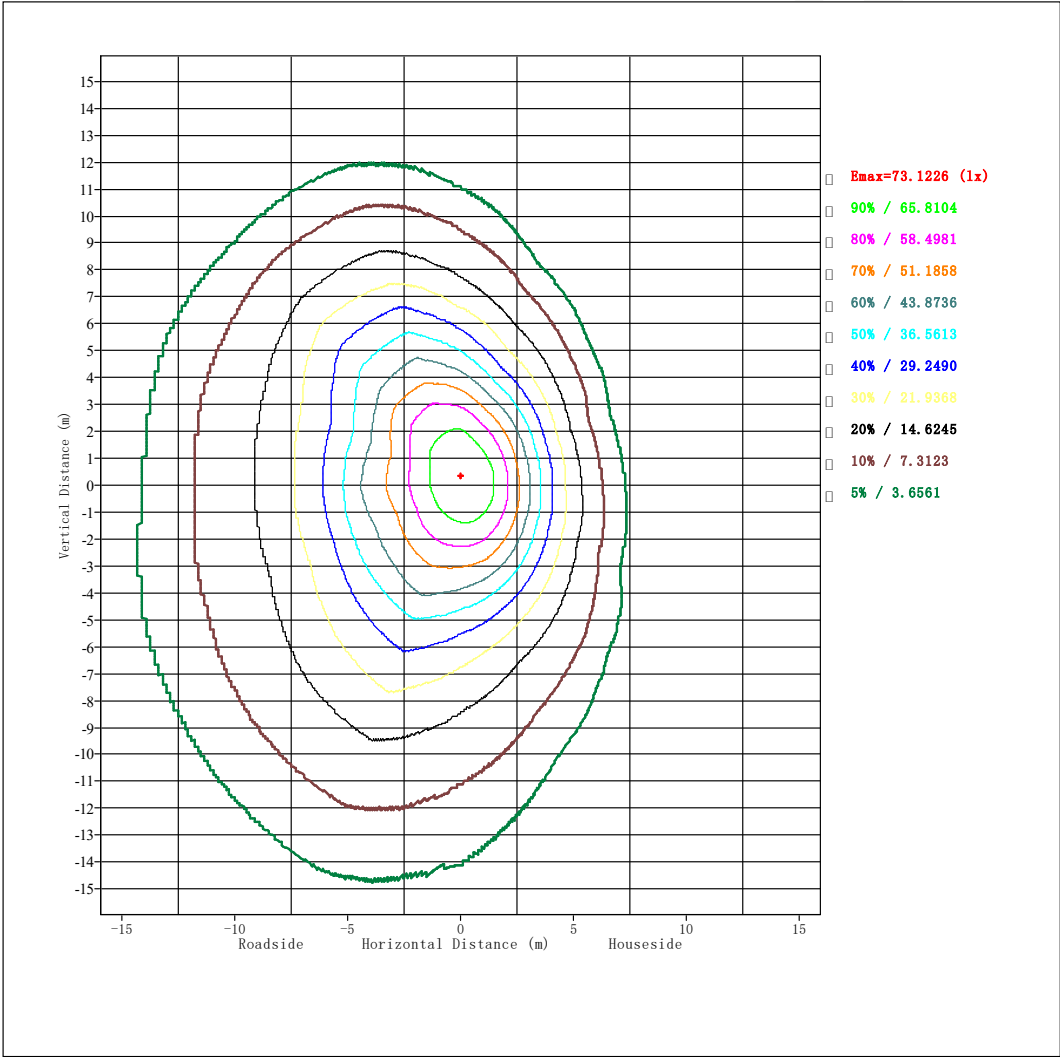
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur (m <sup>2</sup> ):	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

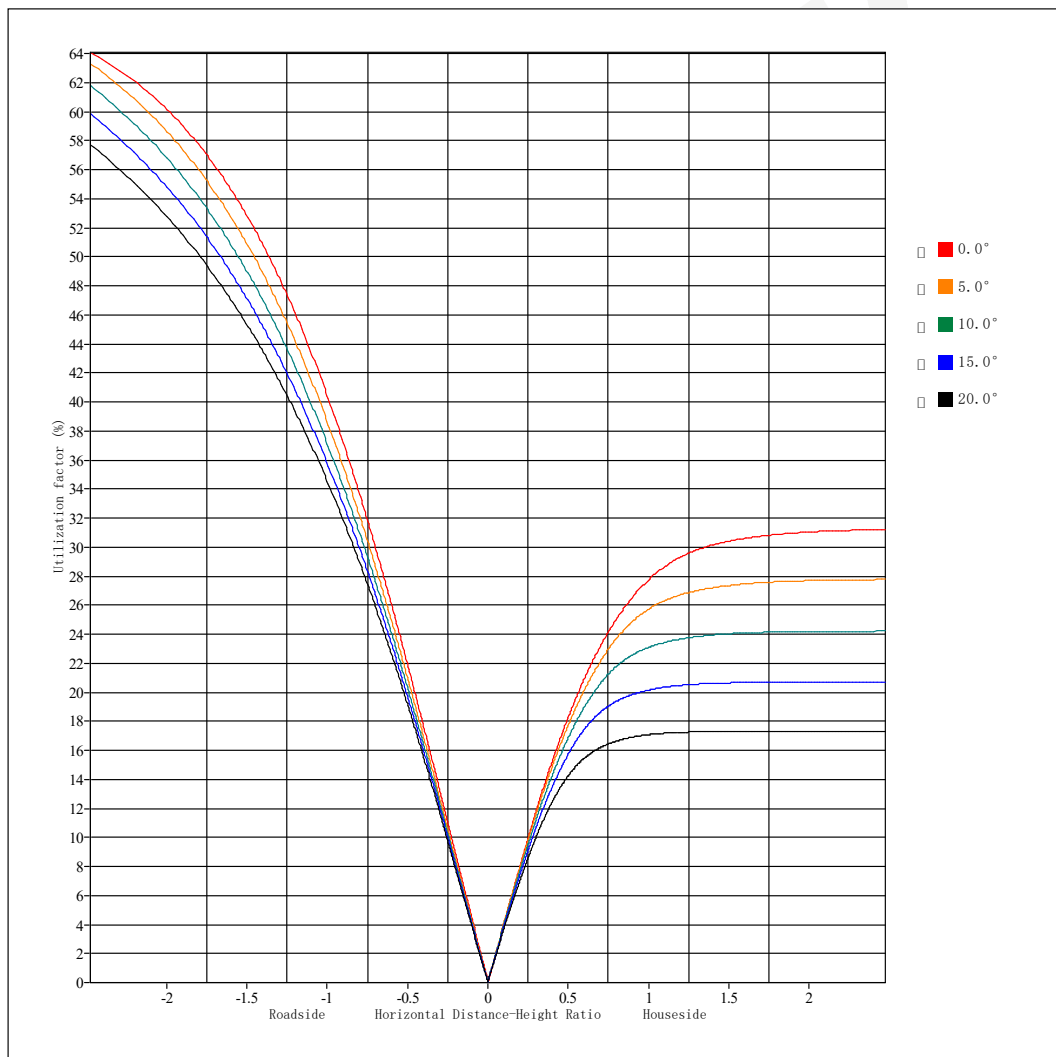
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur (m <sup>2</sup> ):	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

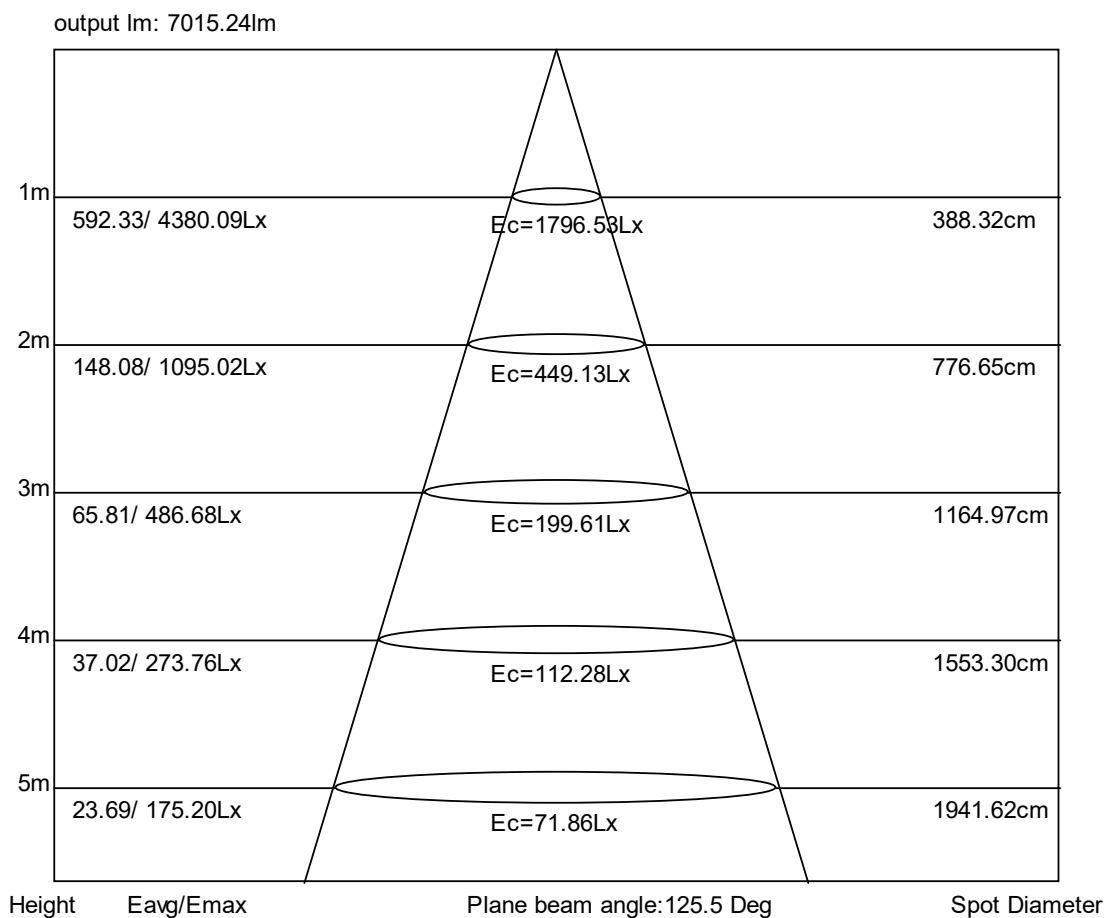
Humidity(%): 60

Date: 2024/1/24

Remark:

Measured Para U: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur (m <sup>2</sup> ):	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: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight (kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur (m <sup>2</sup> ):	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	1849	1814	1788	1777	1806	1806	1810	1807	0-5	43.1	43.1
10	1900	1845	1802	1786	1811	1831	1839	1840	5-10	130	173
15	1964	1905	1830	1813	1834	1856	1864	1883	10-15	219	392
20	2044	1997	1874	1867	1882	1890	1872	1920	15-20	312	704
25	2161	2120	1947	1946	1945	1920	1858	1934	20-25	408	1112
30	2266	2297	2073	2056	2024	1930	1811	1915	25-30	508	1620
35	2348	2579	2279	2205	2132	1912	1713	1850	30-35	612	2231
40	2468	2806	2545	2428	2253	1857	1554	1737	35-40	719	2950
45	2573	3129	2723	2707	2350	1745	1311	1559	40-45	825	3775
50	2621	3599	2866	2944	2487	1582	894	1256	45-50	913	4688
55	2355	4127	3057	3324	2646	1325	486	787	50-55	984	5672
60	1982	4371	3249	3756	2765	911	294	376	55-60	1036	6708
65	1337	3651	3246	3986	2622	427	146	195	60-65	1032	7740
70	412	1976	2542	3471	2302	214	34	108	65-70	878	8618
75	107	533	873	1761	1622	125	0.29	45.2	70-75	543	9161
80	33	151	246	400	519	59.6	0.25	6.45	75-80	196	9357
85	0	66	145	149	118	14.7	0.4	0.8	80-85	56.3	9414
90	0.36	2.01	77.3	78	37.6	0.8	1.26	2.18	85-90	23.2	9437
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: 229.3V I: 440.0mA P: 99.72W PF: 0.988 Test LM: 9436.97lm		
Lamp Name: PY-led560-100W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: 100w	Shape Size:
Manufactory: 普达照明	Sur(m <sup>2</sup> ):	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	1849	1829	1816	1802	1792	1784	1779	1778	1783	1806	1806	1806	1811	1811	1812	1812	1809	1821
10.0	1900	1872	1850	1823	1806	1797	1788	1786	1791	1811	1823	1829	1837	1840	1842	1845	1844	1864
15.0	1964	1937	1911	1867	1838	1821	1811	1815	1820	1834	1852	1856	1861	1864	1870	1879	1889	1916
20.0	2044	2027	2003	1936	1887	1861	1853	1869	1876	1882	1895	1892	1886	1878	1882	1903	1930	1974
25.0	2161	2157	2128	2029	1962	1928	1919	1948	1955	1945	1952	1927	1895	1868	1866	1896	1952	2036
30.0	2266	2348	2311	2162	2081	2042	2021	2062	2076	2024	2011	1947	1877	1827	1815	1853	1942	2067
35.0	2348	2548	2578	2363	2266	2232	2183	2215	2234	2132	2056	1941	1813	1734	1716	1766	1889	2068
40.0	2468	2773	2808	2601	2523	2477	2403	2454	2509	2253	2082	1901	1711	1589	1552	1613	1790	2039
45.0	2573	3097	3139	2824	2697	2693	2672	2722	2724	2350	2079	1809	1544	1367	1294	1371	1627	1960
50.0	2621	3466	3596	3144	2883	2831	2840	2981	3034	2487	2054	1671	1264	983	865	975	1351	1806
55.0	2355	3740	4086	3534	3130	3018	3091	3385	3481	2646	1968	1445	874	552	468	563	905	1457
60.0	1982	3525	4234	3804	3362	3237	3405	3838	3961	2765	1813	1078	545	320	282	305	475	975
65.0	1337	2766	3502	3525	3339	3302	3585	4071	4154	2622	1466	618	287	176	137	149	219	435
70.0	412	1333	1864	2358	2549	2758	3185	3526	3546	2302	961	335	132	58.1	29.9	53.3	115	174
75.0	107	288	485	776	886	1208	1682	1828	2010	1622	418	151	55.3	8.5	1.05	16.9	51.8	79.1
80.0	33	94.2	140	196	234	305	388	429	531	519	163	71	22.1	1.2	0.17	2.26	9.5	22
85.0	0	19.5	56.5	108	138	158	166	148	140	118	60.3	22.9	5.22	0.33	0.41	0.55	0.75	0.48
90.0	0.36	0.41	1.66	30.1	63	84.1	87.8	72.6	51.2	37.6	7.06	1.21	0.87	1.11	1.37	1.74	2.11	1.69
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
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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: