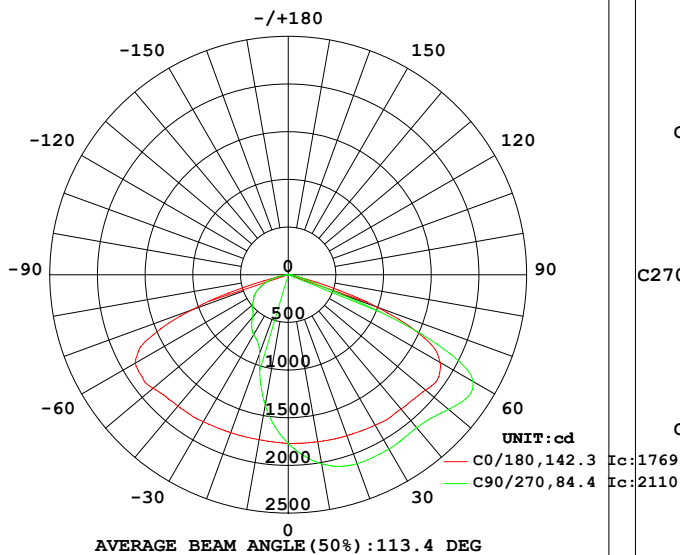
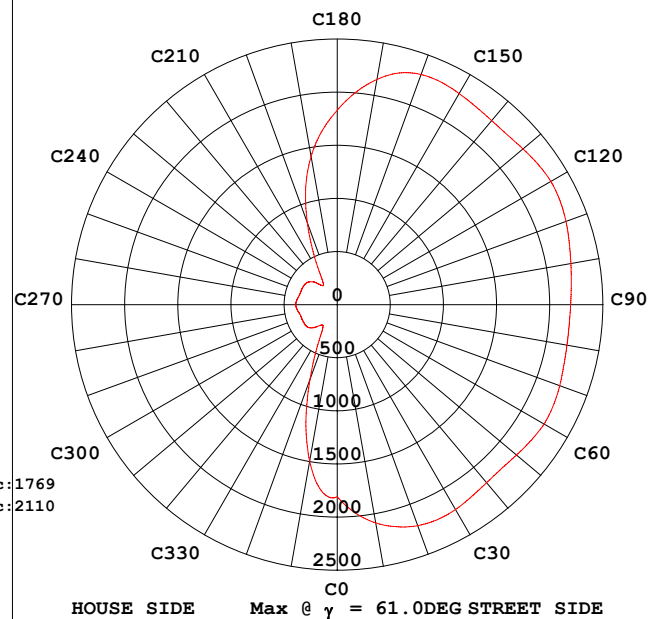


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.24 lm/W			
MODEL	3030	I _{max} (cd)	2322	η street_up (%)	0.1
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	71.8
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	6474	η house_up (%)	0.2
NOMINAL FLUX (lm)	6474.25	MAXIMUM @ (C, γ)	120, 61.0	η house_down (%)	27.9
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	99.7	SLI	16.542

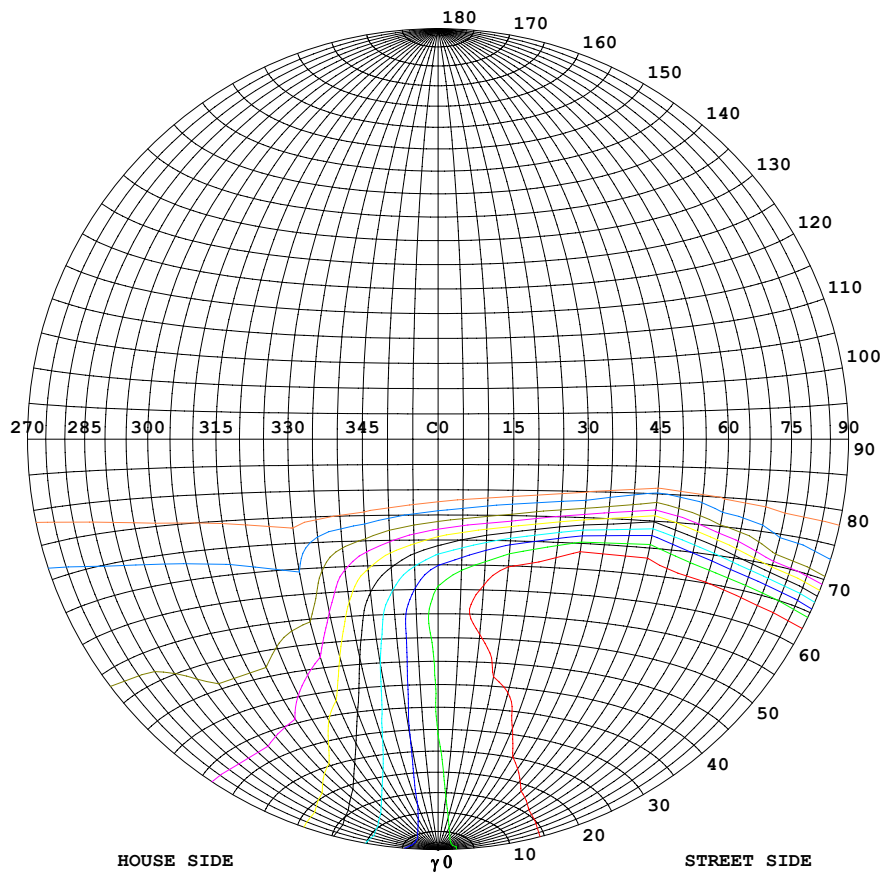
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



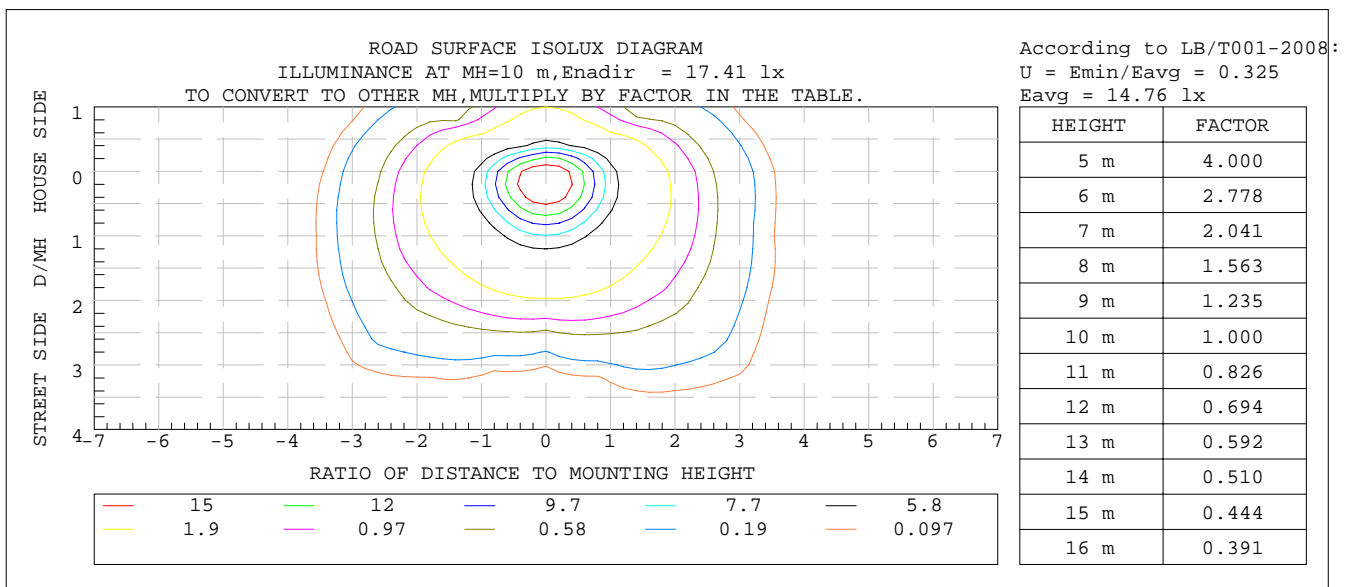
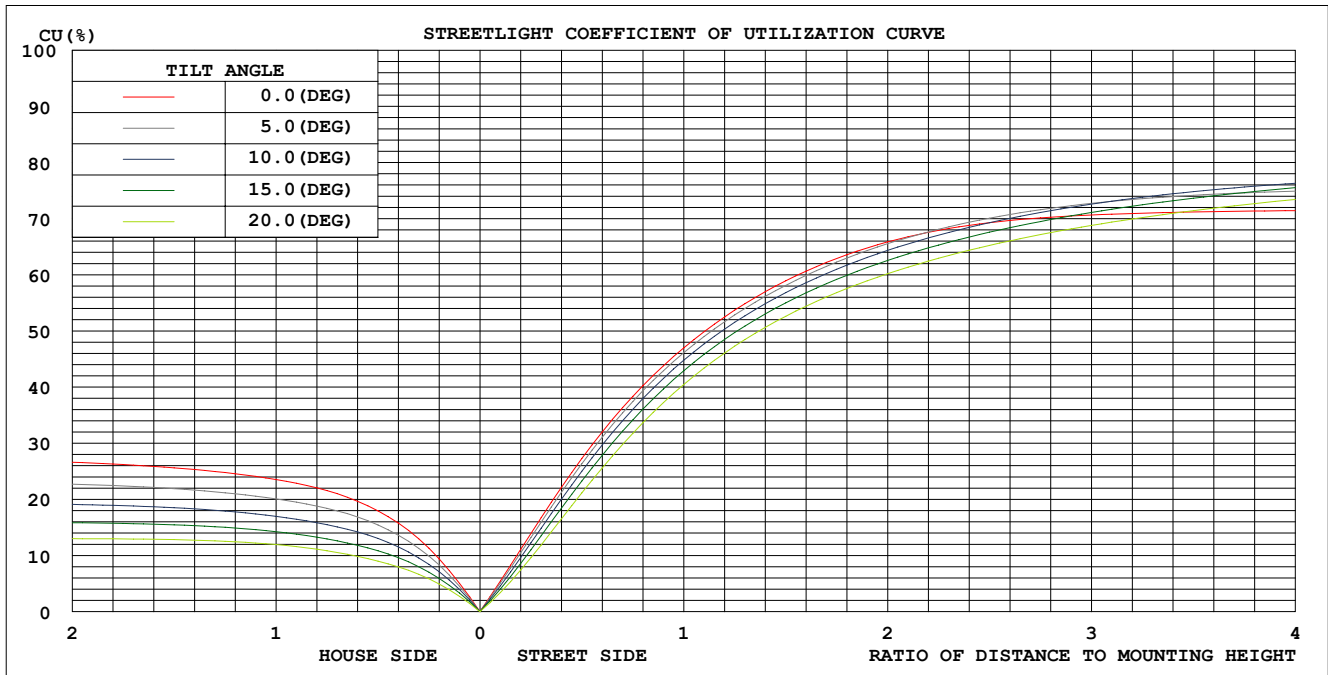
Classification:

IES:Type IV - Very Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:55.56cd/klm
Max.At90:0.7575cd/klm
Max.80-90:55.56cd/klm
NRB 5101:Limited[7.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2322
90%	2090
80%	1857
70%	1625
60%	1393
50%	1161
40%	929
30%	697
20%	464
10%	232
5%	116

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409-\phi 0.297M$	Shielding Angle:

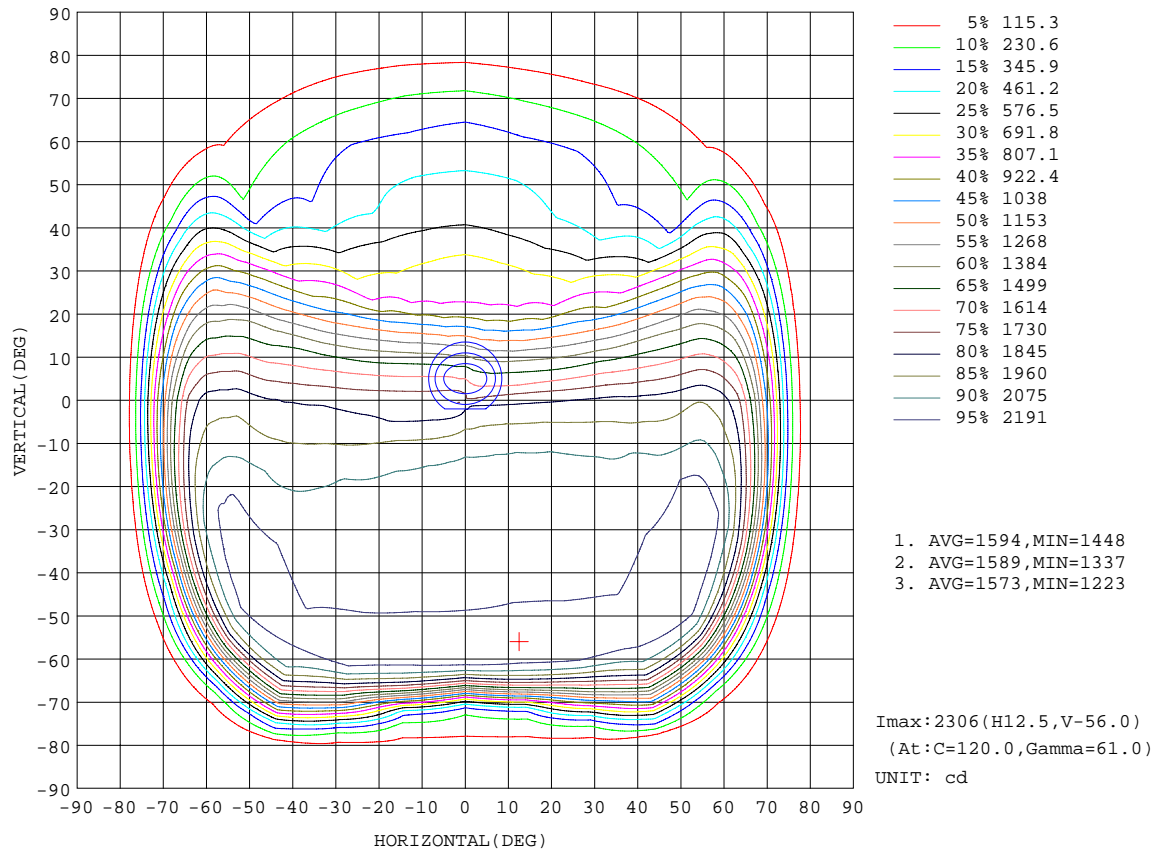
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1778	1952	2013	1968	1756	1519	1389	1501	0- 10	167.2	167.2	2.58,2.58
20	1796	2061	2109	2111	1763	1190	878.7	1154	10- 20	477.2	644.4	9.95,9.95
30	1822	2096	2111	2165	1780	828.9	728.1	820.2	20- 30	734.9	1379	21.3,21.3
40	1839	2103	2094	2178	1800	631.0	583.7	634.6	30- 40	958.1	2337	36.1,36.1
50	1881	2116	2195	2196	1851	427.9	493.2	411.3	40- 50	1136	3474	53.7,53.7
60	1839	2181	2237	2258	1854	308.3	404.0	313.6	50- 60	1296	4770	73.7,73.7
70	992.3	1893	532.4	2084	1071	193.7	257.0	189.8	60- 70	1218	5988	92.5,92.5
80	44.51	247.5	78.58	359.7	47.23	46.57	83.03	41.85	70- 80	439.6	6428	99.3,99.3
90	3.919	3.303	2.742	4.575	3.937	2.508	0.6988	2.525	80- 90	26.72	6454	99.7,99.7
100	1.824	0.5454	0.8274	0.6042	1.610	2.420	1.465	2.750	90-100	1.635	6456	99.7,99.7
110	3.208	0.8773	1.115	0.9312	3.049	3.989	3.108	4.409	100-110	2.121	6458	99.8,99.8
120	4.139	1.446	1.367	1.494	4.196	5.194	4.471	5.692	110-120	3.022	6461	99.8,99.8
130	4.688	1.980	1.619	2.061	4.819	5.673	5.190	6.135	120-130	3.345	6464	99.8,99.8
140	4.894	2.485	1.930	2.652	4.984	5.722	5.392	6.131	130-140	3.154	6468	99.9,99.9
150	4.731	2.991	2.474	3.215	4.956	5.673	5.401	5.995	140-150	2.682	6470	99.9,99.9
160	5.057	3.793	3.369	3.960	5.043	5.614	5.457	5.916	150-160	2.106	6472	100,100
170	5.157	4.556	4.261	4.667	5.207	5.558	5.509	5.887	160-170	1.376	6474	100,100
180	5.224	5.203	4.977	5.242	5.224	5.207	4.997	5.271	170-180	0.4828	6474	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

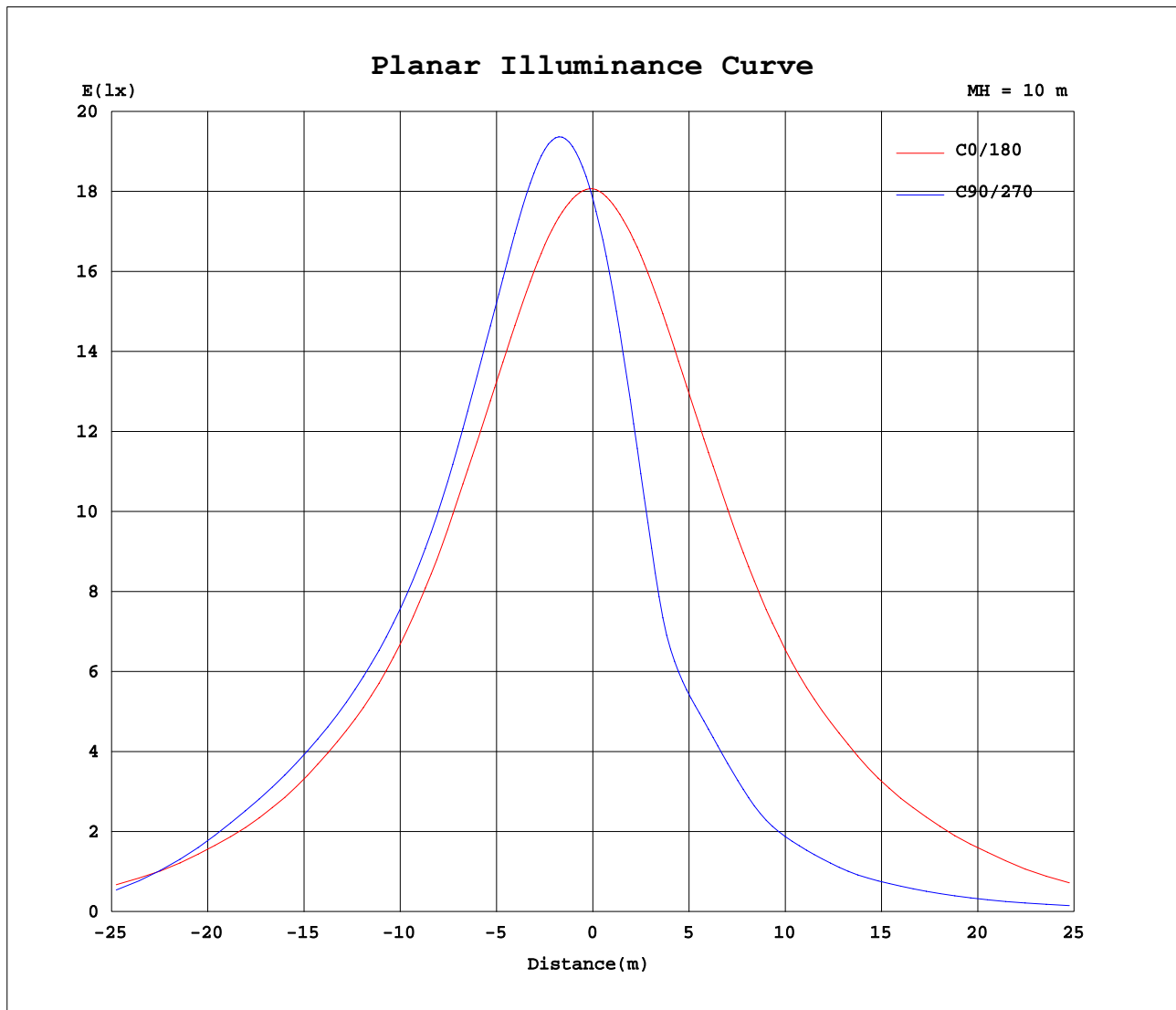
Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



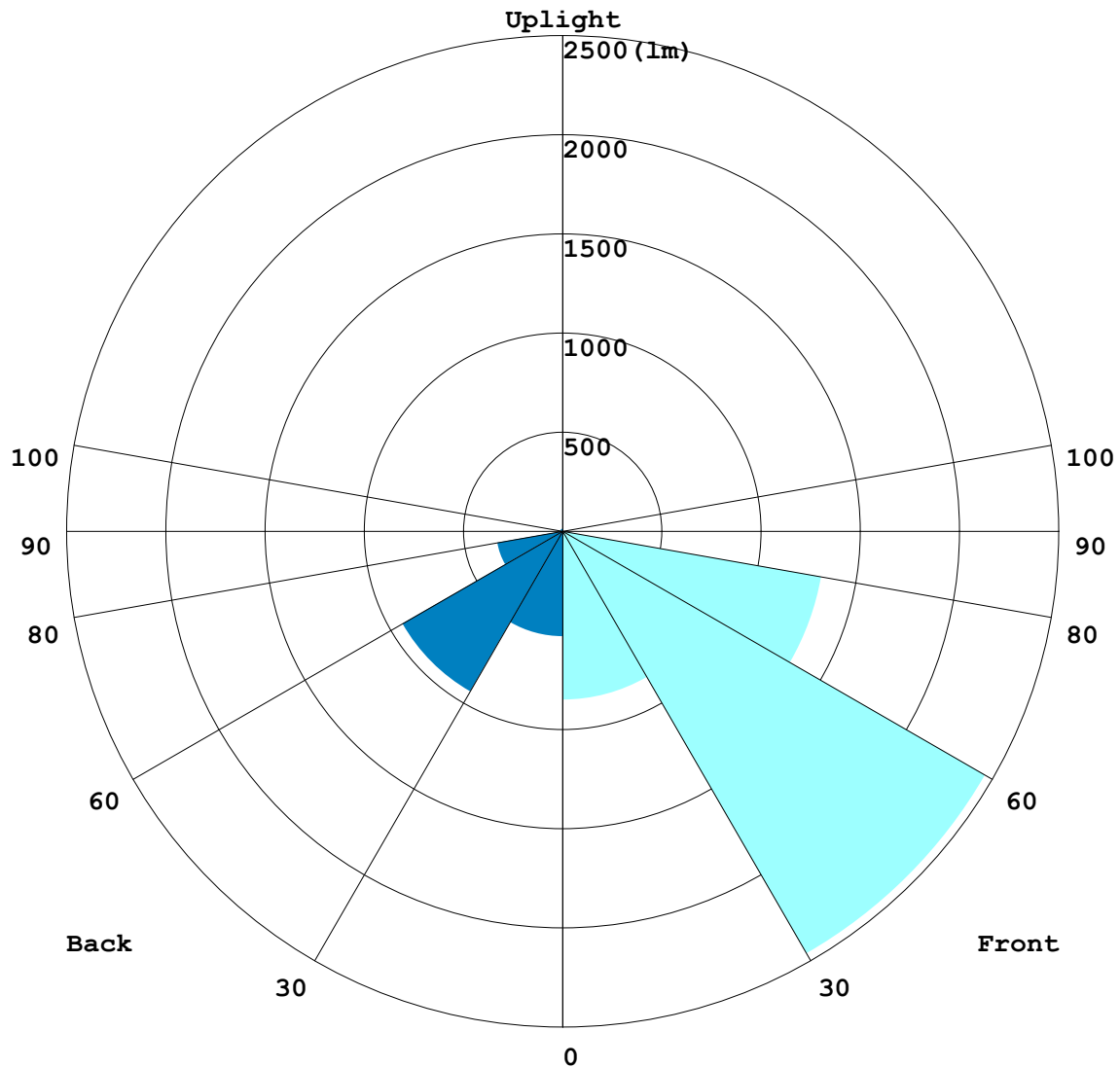
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	849.56	13.1
FM - Front-Medium(30-60)	2458.4	38.0
FH - Front-High(60-80)	1323.4	20.4
FVH - Front-Very High(80-90)	17.264	0.3
Total Forward Light	4655.4	71.9

BL - Back-Low(0-30)	529.76	8.2
BM - Back-Medium(30-60)	932.44	14.4
BH - Back-High(60-80)	334.03	5.2
BVH - Back-Very High(80-90)	9.4581	0.1
Total Back Light	1818.8	28.1

UL - Uplight-Low(90-100)	1.6353	0.0
UH - Uplight-High(100-180)	18.288	0.3
Total Up Light	19.923	0.3

BUG(Back,Up,Glare) Rating	B2-U2-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1805.7	13.126	1818.8
Street Side	4648.6	6.7969	4655.4

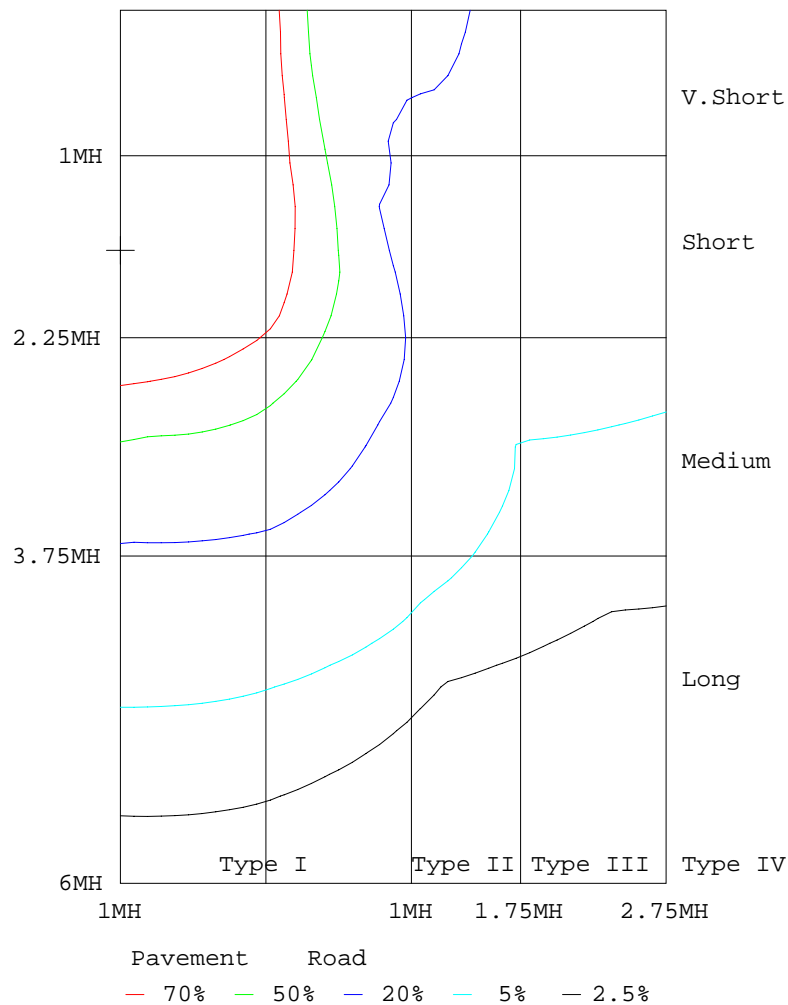
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769	1769
5	1772	1809	1841	1868	1888	1903	1906	1908	1896	1873	1840	1800	1761	1722	1686	1653	1626	1605	1601
10	1778	1850	1908	1952	1983	2008	2013	2021	2005	1968	1910	1836	1756	1676	1596	1519	1452	1401	1389
15	1788	1892	1967	2017	2048	2076	2081	2099	2089	2051	1979	1877	1759	1634	1500	1364	1247	1160	1138
20	1796	1927	2012	2061	2087	2108	2109	2139	2140	2111	2036	1917	1763	1592	1395	1190	1024	901	879
25	1807	1959	2044	2086	2102	2115	2111	2147	2161	2146	2082	1953	1768	1554	1286	1012	811	767	768
30	1822	1988	2067	2096	2106	2119	2111	2149	2165	2165	2117	1992	1780	1521	1178	829	719	717	728
35	1838	2008	2080	2101	2109	2117	2100	2149	2170	2177	2140	2025	1792	1486	1062	711	657	660	669
40	1839	2033	2090	2103	2106	2119	2094	2150	2166	2178	2160	2052	1800	1458	946	631	581	578	584
45	1852	2061	2108	2101	2119	2142	2125	2166	2173	2177	2185	2096	1812	1415	823	541	486	511	526
50	1881	2113	2141	2116	2150	2204	2195	2213	2200	2196	2223	2163	1851	1369	687	428	439	486	493
55	1912	2189	2182	2150	2211	2279	2271	2282	2262	2229	2277	2244	1870	1305	520	344	414	429	442
60	1839	2174	2222	2181	2258	2241	2237	2283	2320	2258	2288	2262	1854	1175	335	308	371	378	404
65	1579	2032	2201	2163	2070	1898	1720	2007	2234	2255	2271	2094	1653	939	219	267	305	312	336
70	992	1455	1859	1893	1424	838	532	1049	1698	2084	1931	1489	1071	549	155	194	221	243	257
75	304	489	806	1112	490	198	175	253	789	1359	882	486	363	160	90.0	117	149	169	181
80	44.5	64.5	107	247	106	85.9	78.6	92.5	146	360	116	58.3	47.2	32.3	37.2	46.6	64.6	78.4	83.0
85	15.1	16.8	15.1	15.0	23.3	25.9	22.7	29.2	27.2	19.3	13.7	13.7	12.5	10.7	11.7	9.95	15.0	16.4	17.5
90	3.92	4.22	3.49	3.30	3.50	3.50	2.74	4.70	4.90	4.57	3.03	4.03	3.94	3.60	3.66	2.51	2.12	1.07	0.70
95	1.13	0.74	0.61	0.62	0.61	0.95	0.75	0.64	0.77	0.95	0.97	0.90	0.99	1.39	1.82	1.86	1.23	0.97	0.87
100	1.82	1.16	0.63	0.55	0.55	0.62	0.83	0.70	0.63	0.60	0.69	1.27	1.61	1.99	2.31	2.42	1.86	1.59	1.46
105	2.70	1.65	0.93	0.69	0.70	0.79	0.97	0.85	0.76	0.75	1.00	1.81	2.34	2.84	3.15	3.22	2.74	2.44	2.21
110	3.21	2.16	1.27	0.88	0.87	1.03	1.11	1.09	0.92	0.93	1.37	2.35	3.05	3.72	3.94	3.99	3.58	3.32	3.11
115	3.71	2.60	1.61	1.09	1.13	1.17	1.24	1.24	1.20	1.16	1.74	2.81	3.68	4.41	4.58	4.64	4.26	4.01	3.90
120	4.14	2.97	1.95	1.45	1.30	1.31	1.37	1.38	1.38	1.49	2.10	3.18	4.20	4.86	5.07	5.19	4.72	4.49	4.47
125	4.47	3.26	2.30	1.72	1.45	1.46	1.48	1.50	1.56	1.77	2.42	3.44	4.54	5.17	5.39	5.51	5.05	4.82	4.93
130	4.69	3.46	2.61	1.98	1.63	1.59	1.62	1.64	1.75	2.06	2.68	3.65	4.82	5.33	5.50	5.67	5.34	5.05	5.19
135	4.90	3.58	2.89	2.25	1.83	1.75	1.76	1.79	1.98	2.37	2.93	3.84	4.95	5.35	5.52	5.73	5.42	5.24	5.35
140	4.89	3.66	3.09	2.49	2.06	1.93	1.93	1.99	2.24	2.65	3.14	4.00	4.98	5.36	5.51	5.72	5.44	5.36	5.39
145	4.81	3.78	3.29	2.75	2.33	2.17	2.17	2.24	2.54	2.93	3.36	4.14	4.99	5.29	5.50	5.72	5.37	5.43	5.40
150	4.73	3.89	3.50	2.99	2.65	2.49	2.47	2.56	2.86	3.22	3.59	4.26	4.96	5.23	5.45	5.67	5.36	5.45	5.40
155	5.03	4.30	3.94	3.45	3.05	2.91	2.93	3.02	3.28	3.67	4.03	4.64	4.97	5.21	5.44	5.64	5.35	5.45	5.41
160	5.06	4.44	4.20	3.79	3.41	3.33	3.37	3.42	3.63	3.96	4.28	4.76	5.04	5.17	5.43	5.61	5.36	5.49	5.46
165	5.10	4.59	4.48	4.18	3.80	3.76	3.81	3.82	3.99	4.32	4.59	4.95	5.14	5.11	5.42	5.60	5.34	5.48	5.50
170	5.16	4.72	4.71	4.56	4.20	4.18	4.26	4.22	4.38	4.67	4.88	5.10	5.21	5.09	5.41	5.56	5.30	5.46	5.51
175	5.21	4.83	4.96	4.90	4.58	4.58	4.63	4.55	4.66	4.96	5.05	5.17	5.22	4.99	5.29	5.43	5.13	5.29	5.32
180	5.22	4.87	5.16	5.20	4.89	4.93	4.98	4.81	4.95	5.24	5.22	5.21	5.22	4.89	5.17	5.21	4.92	4.93	5.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.2299A P:49.71W PF:0.9861 Freq:49.99Hz Lamp Flux:6474.25x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T401-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1769	1769	1769	1769	1769														
5	1599	1616	1646	1687	1732														
10	1386	1429	1501	1594	1693														
15	1139	1211	1334	1494	1654														
20	889	979	1154	1384	1614														
25	782	817	968	1270	1577														
30	734	746	820	1156	1546														
35	664	671	729	1036	1506														
40	572	572	635	900	1473														
45	515	484	520	775	1435														
50	484	446	411	633	1386														
55	434	416	354	458	1326														
60	376	370	314	304	1184														
65	304	295	264	231	911														
70	232	212	190	162	513														
75	151	129	112	90.2	141														
80	64.0	49.7	41.8	35.5	37.0														
85	13.0	10.3	9.04	11.7	13.5														
90	1.26	2.18	2.52	3.54	4.09														
95	1.31	1.57	2.04	1.77	1.24														
100	1.81	2.20	2.75	2.60	2.05														
105	2.65	3.07	3.58	3.50	2.95														
110	3.51	3.92	4.41	4.36	3.81														
115	4.18	4.67	5.13	5.04	4.45														
120	4.75	5.22	5.69	5.52	4.89														
125	5.18	5.54	5.99	5.83	5.14														
130	5.37	5.65	6.14	5.96	5.28														
135	5.48	5.65	6.14	5.95	5.35														
140	5.51	5.65	6.13	5.88	5.36														
145	5.51	5.65	6.07	5.79	5.36														
150	5.50	5.64	5.99	5.69	5.30														
155	5.45	5.62	5.95	5.69	5.32														
160	5.44	5.61	5.92	5.69	5.33														
165	5.43	5.61	5.91	5.69	5.39														
170	5.41	5.57	5.89	5.68	5.47														
175	5.14	5.32	5.63	5.47	5.41														
180	4.82	4.96	5.27	5.24	5.23														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks: