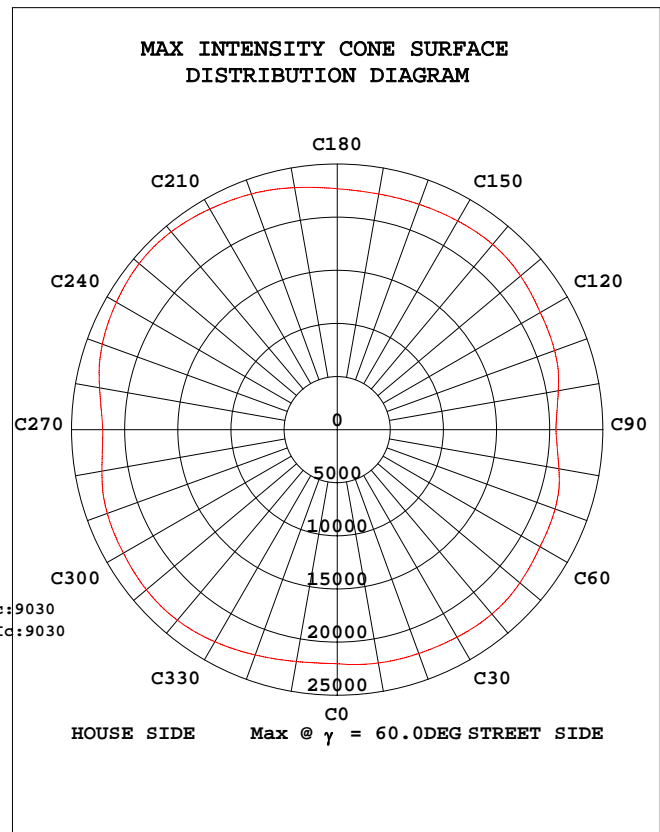
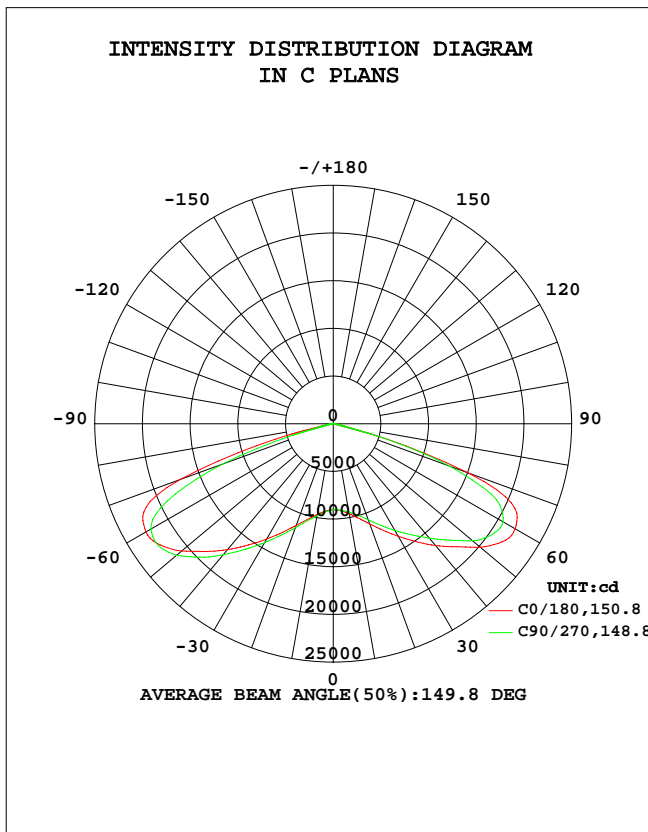


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.53 lm/W			
MODEL	5050	I _{max} (cd)	24387	η street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	η street_down(%)	48.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	82201	η house_up(%)	0.0
NOMINAL FLUX(lm)	82201.2	MAXIMUM @(C,γ)	225,60.0	η house_down(%)	51.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.006

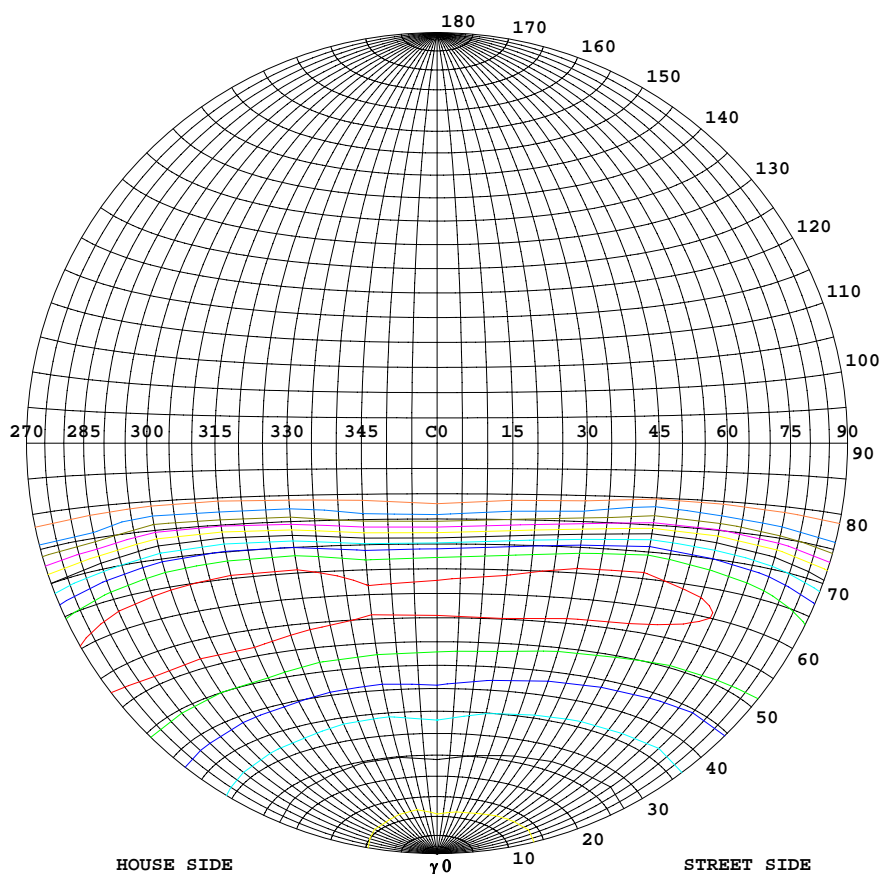


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



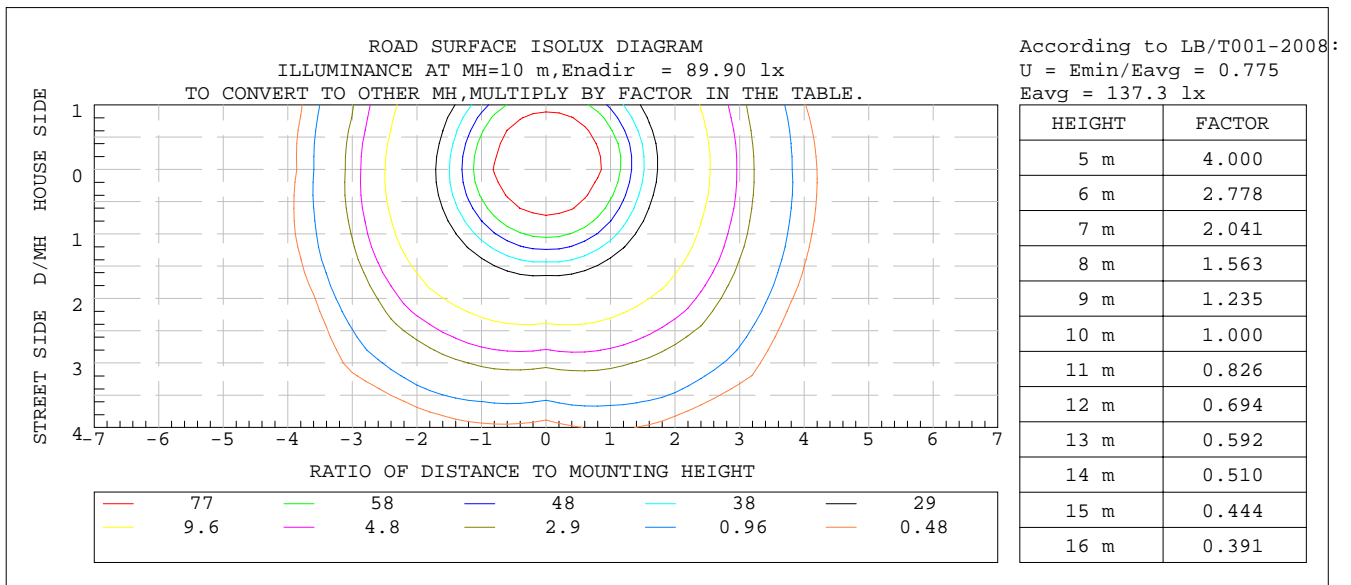
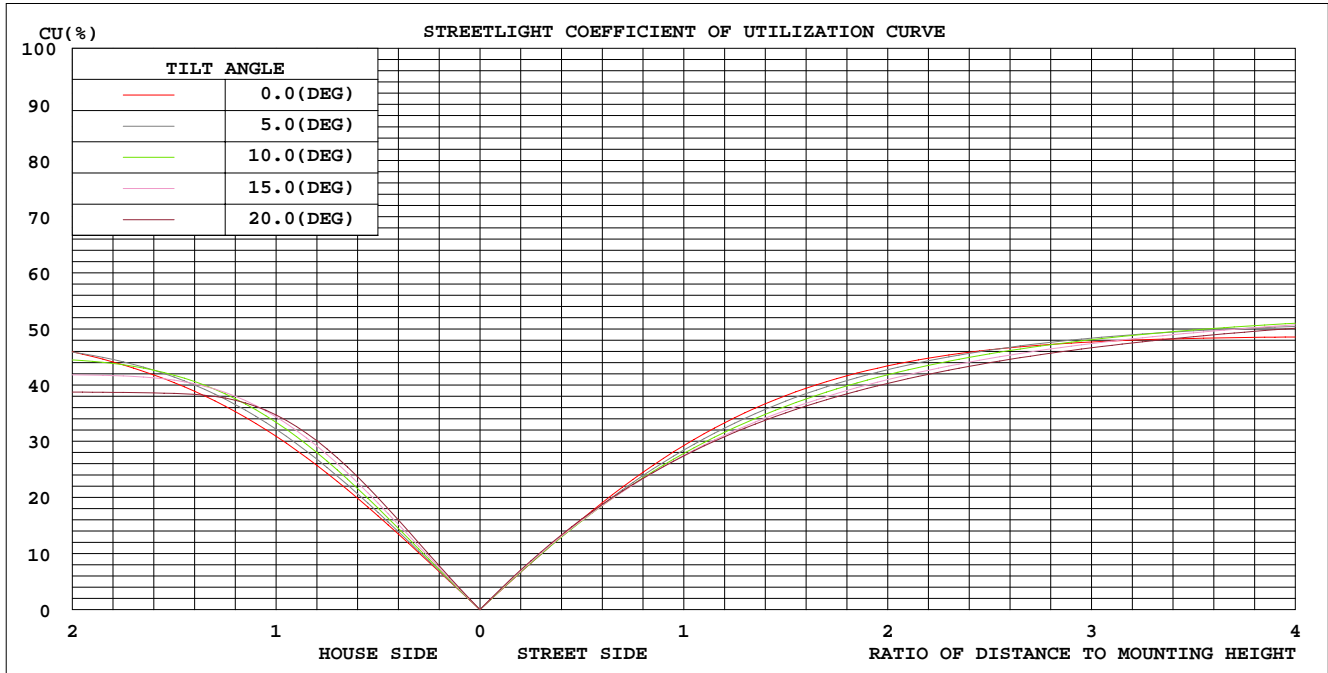
Classification:

IES:Type V - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:17.32cd/klm
Max.At90:0cd/klm
Max.80-90:17.32cd/klm
NRB 5101:Limited[6.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	24387
90%	21949
80%	19510
70%	17071
60%	14632
50%	12194
40%	9755
30%	7316
20%	4877
10%	2439
5%	1219

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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: yanyonggeng
Test Date: 2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

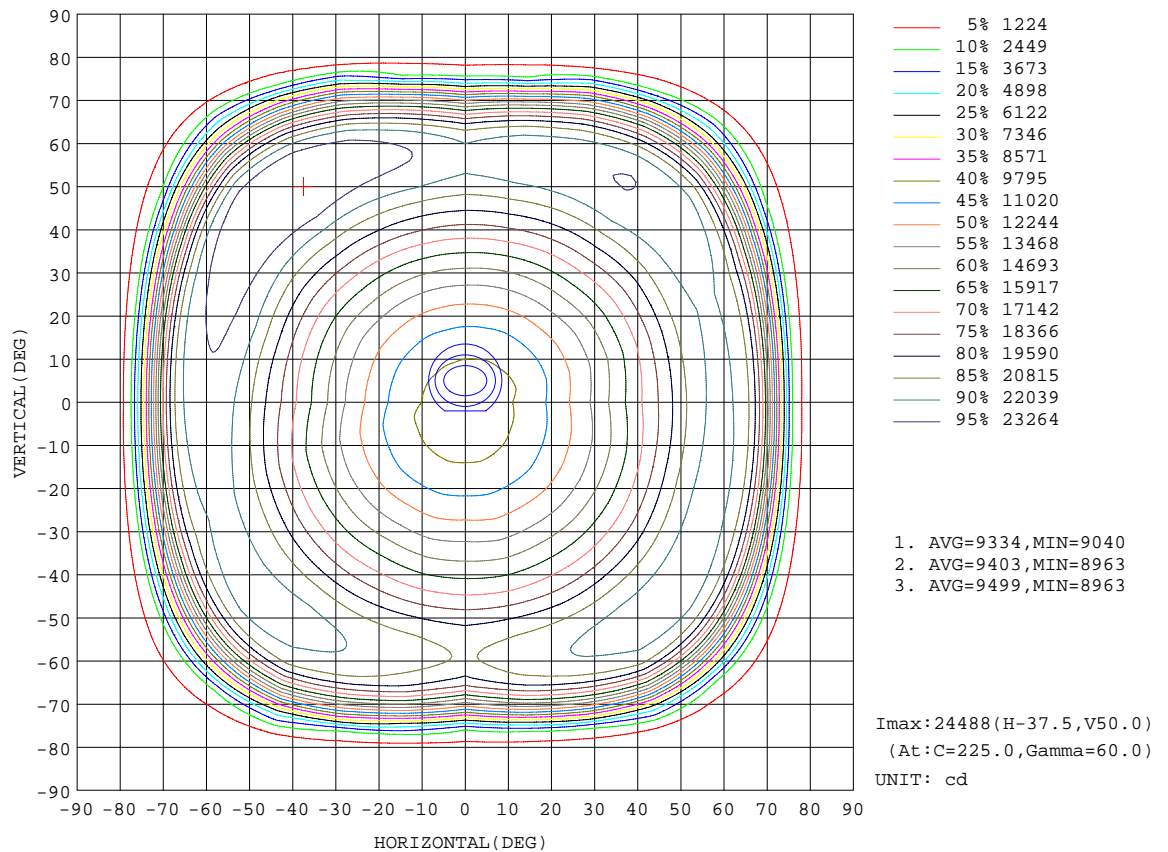
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	958.1	945.1	942.3	950.9	966.9	982.4	981.1	972.2	0- 10	891.3	891.3	1.08,1.08
20	1118	1073	1072	1083	1135	1150	1159	1134	10- 20	2943	3834	4.66,4.66
30	1361	1286	1292	1308	1395	1424	1438	1397	20- 30	5728	9563	11.6,11.6
40	1666	1579	1566	1613	1723	1783	1792	1744	30- 40	9534	19097	23.2,23.2
50	2013	1957	1909	1987	2077	2200	2145	2147	40- 50	14481	33578	40.8,40.8
60	2203	2260	2058	2270	2268	2439	2207	2348	50- 60	19701	53278	64.8,64.8
70	1494	1862	1294	1932	1705	1903	1226	1734	60- 70	20779	74058	90.1,90.1
80	89.10	114.2	98.07	142.4	108.3	123.8	92.66	110.3	70- 80	7669	81726	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	474.8	82201	100,100
100	0	0	0	0	0	0	0	0	90-100	0	82201	100,100
110	0	0	0	0	0	0	0	0	100-110	0	82201	100,100
120	0	0	0	0	0	0	0	0	110-120	0	82201	100,100
130	0	0	0	0	0	0	0	0	120-130	0	82201	100,100
140	0	0	0	0	0	0	0	0	130-140	0	82201	100,100
150	0	0	0	0	0	0	0	0	140-150	0	82201	100,100
160	0	0	0	0	0	0	0	0	150-160	0	82201	100,100
170	0	0	0	0	0	0	0	0	160-170	0	82201	100,100
180	0	0	0	0	0	0	0	0	170-180	0	82201	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

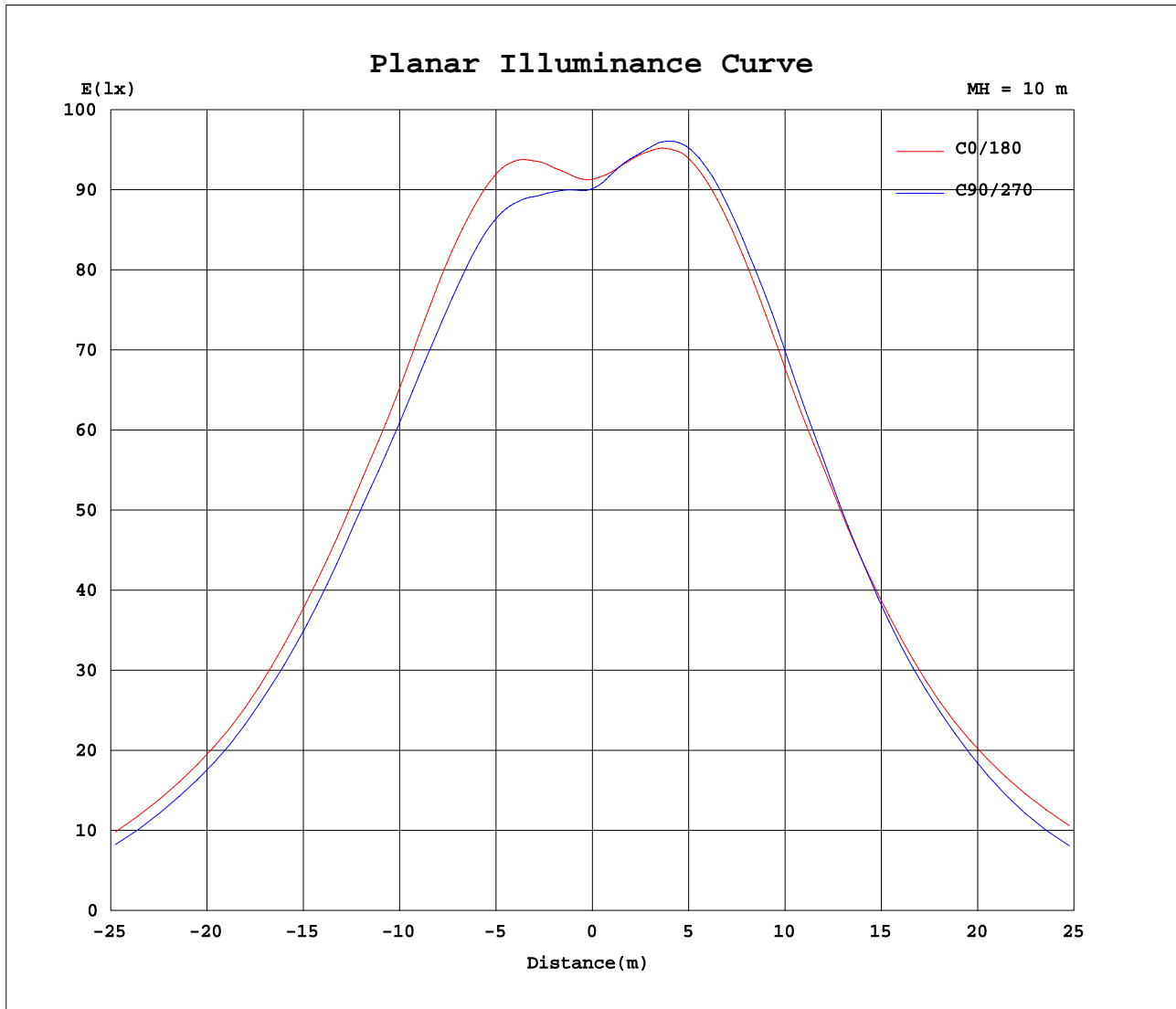
Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



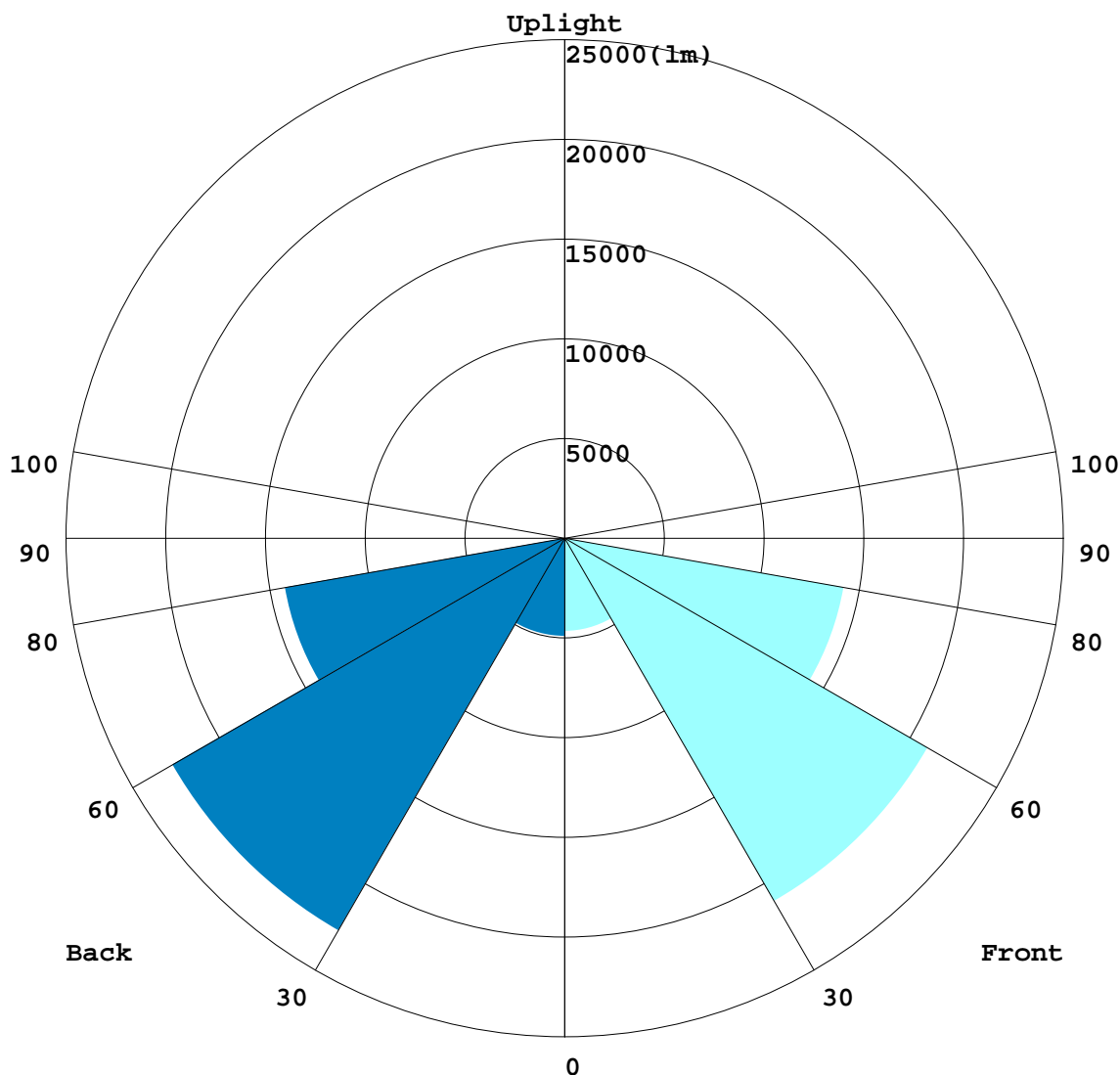
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4656.7	5.7
FM - Front-Medium(30-60)	21009	25.6
FH - Front-High(60-80)	14210	17.3
FVH - Front-Very High(80-90)	239.71	0.3
Total Forward Light	40115	48.8

BL - Back-Low(0-30)	4906.2	6.0
BM - Back-Medium(30-60)	22707	27.6
BH - Back-High(60-80)	14238	17.3
BVH - Back-Very High(80-90)	235.11	0.3
Total Back Light	42086	51.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B5-U0-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	42086	0	42086
Street Side	40115	0	40115

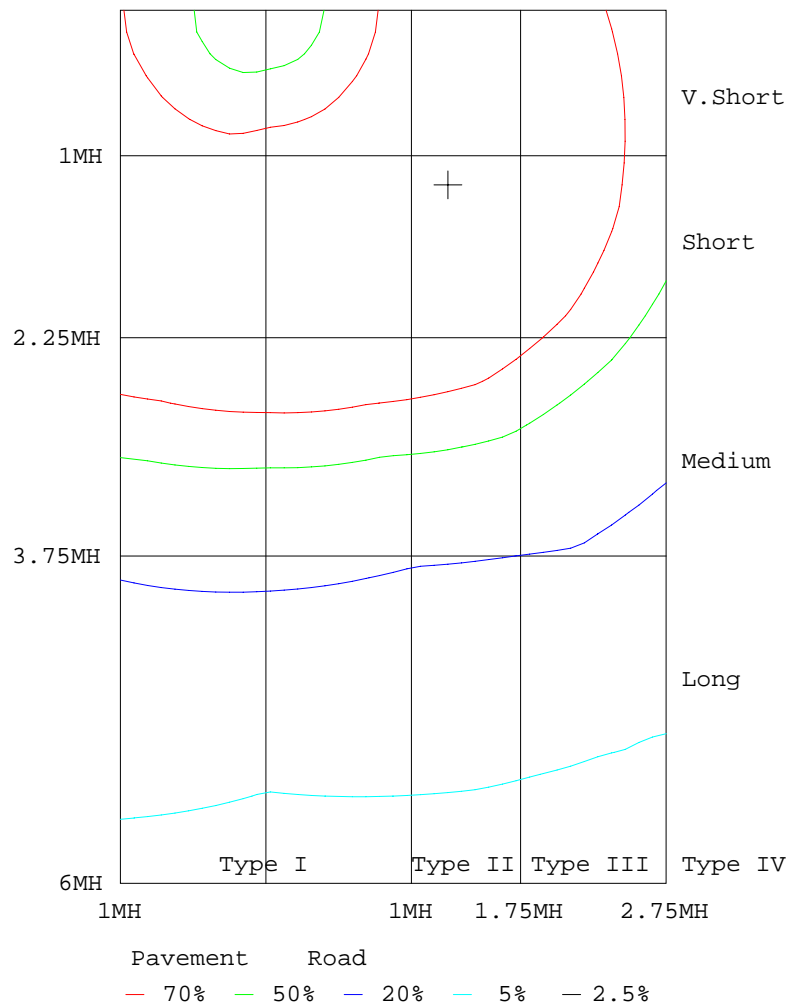
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903	903
5	916	913	913	911	912	910	912	912	914	914	917	918	921	925	926	929	929	931	929
10	958	952	950	945	944	940	942	943	948	951	958	961	967	972	976	982	982	984	981
15	1025	1015	1009	999	994	989	993	992	999	1006	1019	1027	1038	1045	1049	1054	1053	1058	1054
20	1118	1099	1087	1073	1071	1065	1072	1069	1078	1083	1101	1116	1135	1143	1144	1150	1153	1160	1159
25	1232	1203	1184	1170	1171	1163	1174	1169	1182	1185	1205	1227	1256	1264	1263	1277	1281	1287	1288
30	1361	1320	1297	1286	1286	1274	1292	1285	1304	1308	1326	1353	1395	1401	1401	1424	1431	1435	1438
35	1508	1456	1435	1422	1420	1406	1420	1420	1443	1449	1469	1495	1552	1556	1563	1591	1602	1607	1607
40	1666	1617	1592	1579	1573	1557	1566	1573	1603	1613	1633	1662	1723	1737	1749	1783	1797	1800	1792
45	1825	1800	1770	1754	1743	1724	1727	1744	1778	1793	1816	1850	1894	1939	1954	1994	2000	1991	1980
50	2013	2007	1971	1957	1930	1921	1909	1934	1956	1987	2008	2047	2077	2149	2159	2200	2187	2181	2145
55	2160	2172	2154	2142	2115	2083	2028	2094	2129	2173	2174	2197	2215	2292	2331	2378	2336	2300	2235
60	2203	2237	2254	2260	2204	2160	2058	2154	2206	2270	2269	2254	2268	2340	2398	2439	2399	2319	2207
65	2103	2141	2214	2210	2145	2040	1891	2041	2161	2221	2248	2179	2191	2255	2368	2364	2282	2112	1922
70	1494	1624	1776	1862	1709	1534	1294	1577	1773	1932	1870	1751	1705	1749	1928	1903	1745	1470	1226
75	379	488	636	825	751	549	392	605	879	1008	846	724	633	657	827	872	810	455	334
80	89.1	98.0	102	114	112	103	98.1	110	123	142	127	125	108	116	120	124	117	104	92.7
85	26.0	33.8	30.1	36.1	36.8	35.6	32.6	39.1	45.7	47.9	44.6	48.4	39.1	42.0	42.0	41.5	42.2	36.7	35.4
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:yanyonggeng

Test Date:2024-7-19

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T

Humidity:65.0%

Test Distance:7.682m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:2.762A P:602.1W PF:0.9950 Freq:50.01Hz Lamp Flux:82201.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-4080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	903	903	903	903	903														
5	929	925	923	919	918														
10	979	974	972	965	961														
15	1051	1042	1041	1033	1029														
20	1154	1142	1134	1124	1122														
25	1281	1267	1256	1236	1234														
30	1426	1412	1397	1365	1358														
35	1596	1579	1558	1519	1504														
40	1787	1765	1744	1696	1675														
45	1981	1962	1944	1891	1864														
50	2162	2151	2147	2092	2068														
55	2275	2283	2292	2247	2201														
60	2283	2324	2348	2305	2235														
65	2072	2177	2245	2245	2119														
70	1398	1637	1734	1717	1521														
75	376	662	693	621	427														
80	99.5	107	110	104	101														
85	33.9	35.4	32.7	33.7	31.4														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-7-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: