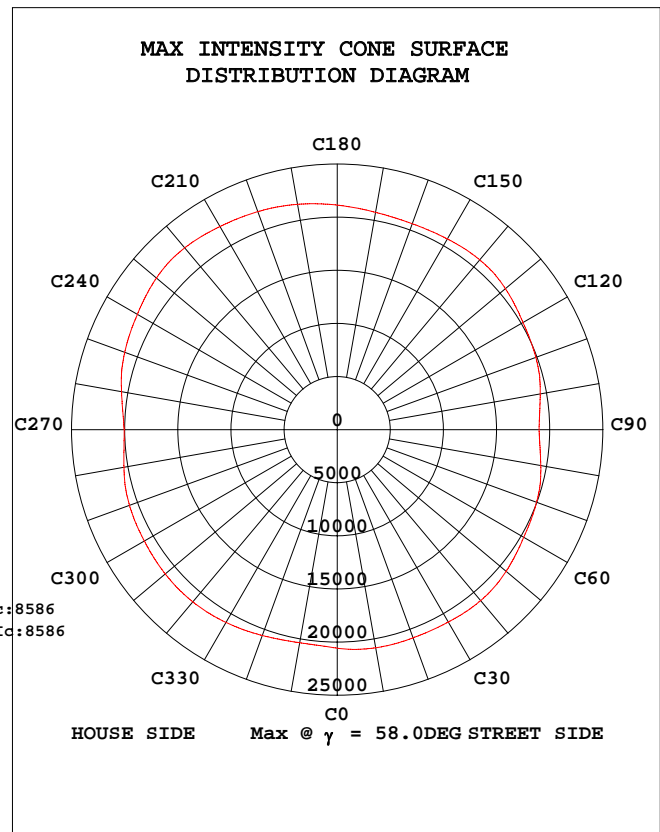
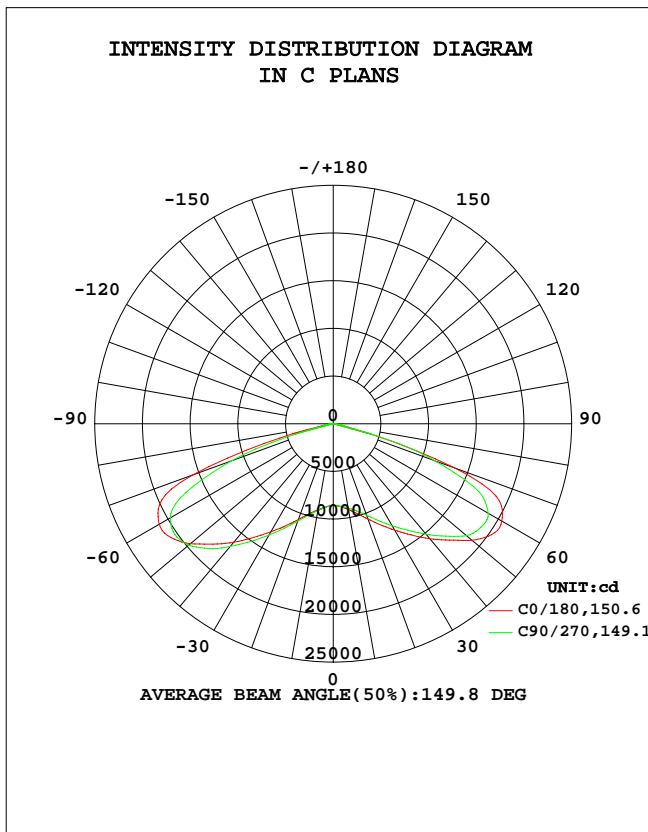


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.81 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	22359	η street_up(%)	0.0
NOMINAL POWER(W)	600	LOR(%)	100.0	η street_down(%)	49.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	76329	η house_up(%)	0.0
NOMINAL FLUX(lm)	76329.1	MAXIMUM @(C,γ )	225,58.0	η house_down(%)	50.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.035

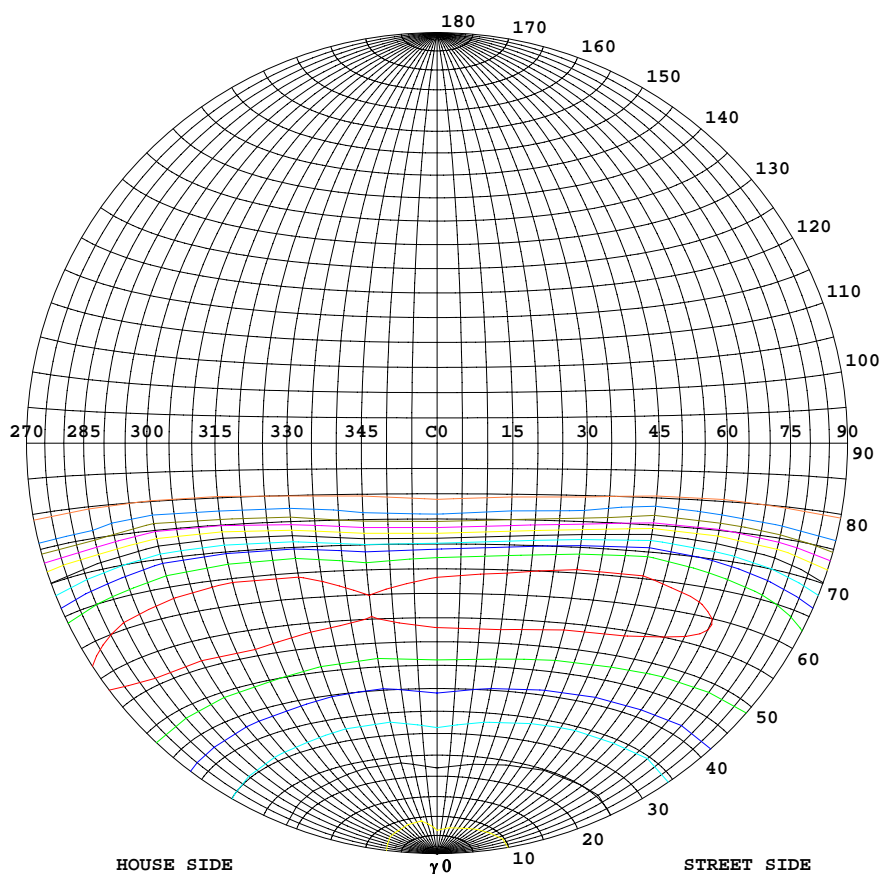


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2024-7-19

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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



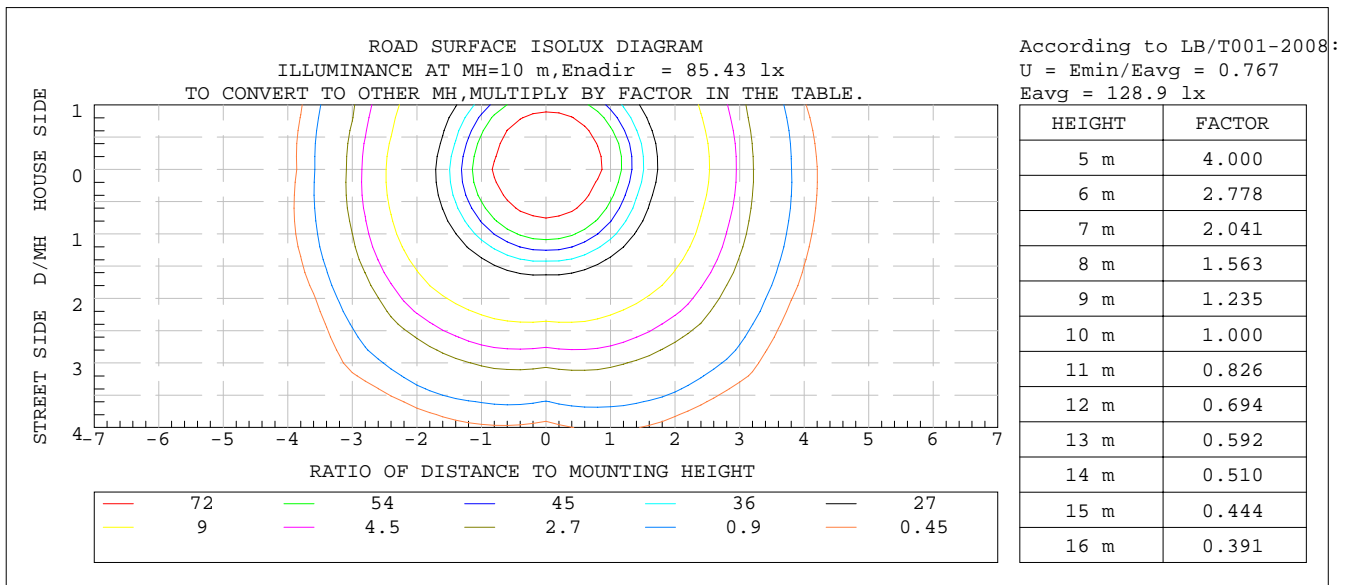
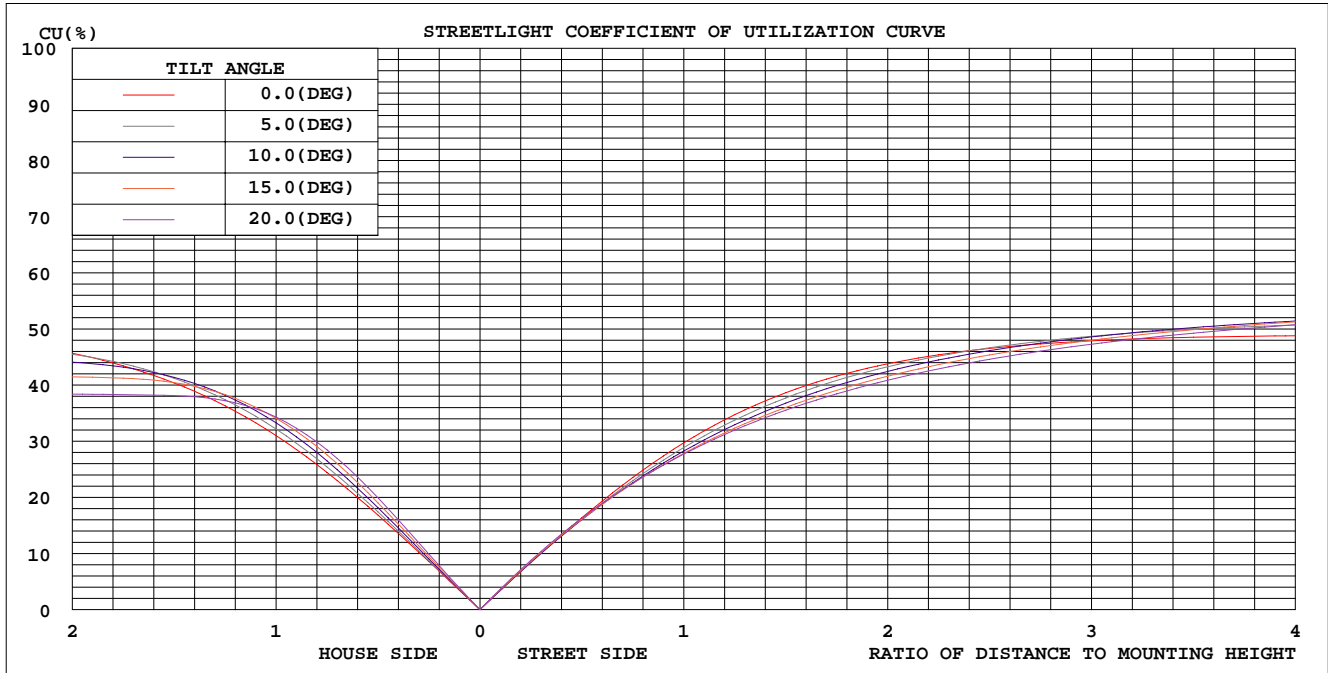
## Classification:

IES:Type V - Short  
CIE:Broad - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:19.45cd/klm  
Max.At90:0cd/klm  
Max.80-90:19.45cd/klm  
NRB 5101:Limited[6.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	22359
90%	20123
80%	17887
70%	15651
60%	13415
50%	11179
40%	8943
30%	6708
20%	4472
10%	2236
5%	1118

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

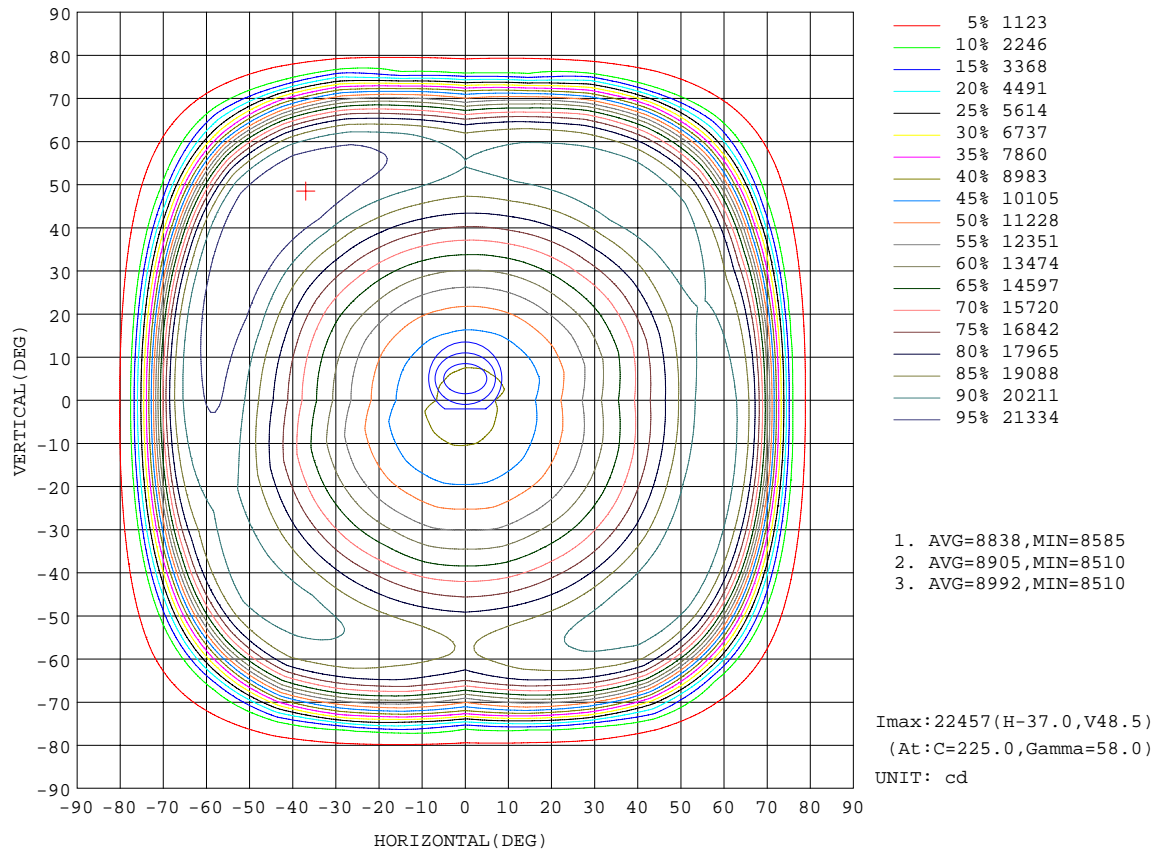
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	913.6	901.8	896.7	902.0	915.7	926.8	925.2	920.2	0- 10	846.5	846.5	1.11,1.11
20	1062	1023	1021	1026	1069	1078	1086	1068	10- 20	2784	3631	4.76,4.76
30	1288	1228	1236	1244	1308	1331	1347	1310	20- 30	5408	9039	11.8,11.8
40	1573	1513	1511	1539	1621	1671	1680	1632	30- 40	9010	18049	23.6,23.6
50	1901	1873	1825	1891	1956	2054	1981	1990	40- 50	13680	31729	41.6,41.6
60	2041	2099	1877	2083	2107	2227	1972	2109	50- 60	18273	50002	65.5,65.5
70	1353	1675	1133	1705	1566	1718	1127	1538	60- 70	18752	68754	90.1,90.1
80	90.74	118.9	102.2	148.5	111.8	129.7	98.57	117.4	70- 80	7077	75831	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	498.2	76329	100,100
100	0	0	0	0	0	0	0	0	90-100	0	76329	100,100
110	0	0	0	0	0	0	0	0	100-110	0	76329	100,100
120	0	0	0	0	0	0	0	0	110-120	0	76329	100,100
130	0	0	0	0	0	0	0	0	120-130	0	76329	100,100
140	0	0	0	0	0	0	0	0	130-140	0	76329	100,100
150	0	0	0	0	0	0	0	0	140-150	0	76329	100,100
160	0	0	0	0	0	0	0	0	150-160	0	76329	100,100
170	0	0	0	0	0	0	0	0	160-170	0	76329	100,100
180	0	0	0	0	0	0	0	0	170-180	0	76329	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

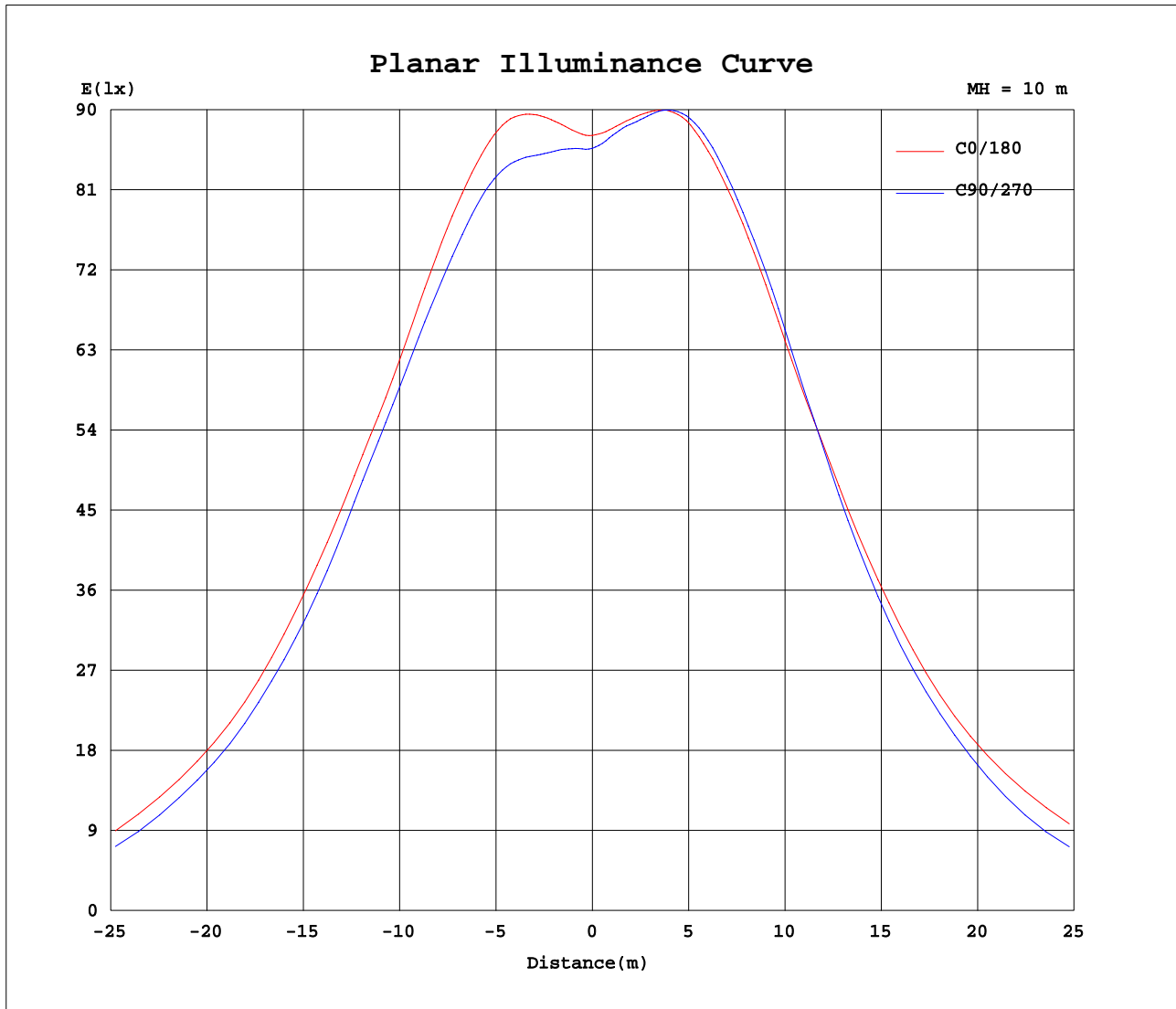
Test:U:219.1V I:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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



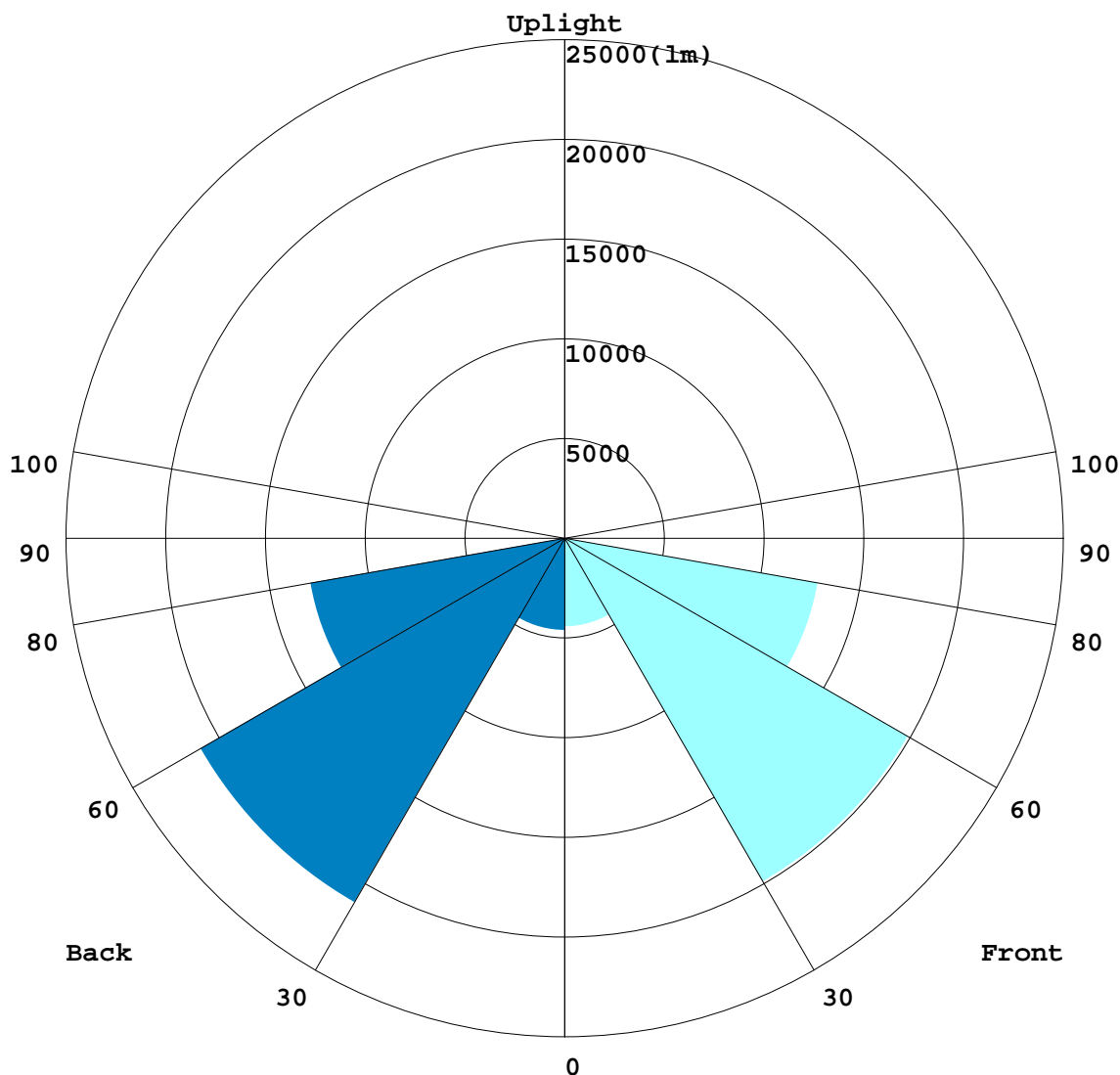
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2024-7-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-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)	4427.4	5.8
FM - Front-Medium(30-60)	19877	26.0
FH - Front-High(60-80)	12887	16.9
FVH - Front-Very High(80-90)	250.47	0.3
Total Forward Light	37442	49.1

BL - Back-Low(0-30)	4611.3	6.0
BM - Back-Medium(30-60)	21086	27.6
BH - Back-High(60-80)	12942	17.0
BVH - Back-Very High(80-90)	247.73	0.3
Total Back Light	38887	50.9

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	38887	0	38887
Street Side	37442	0	37442

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

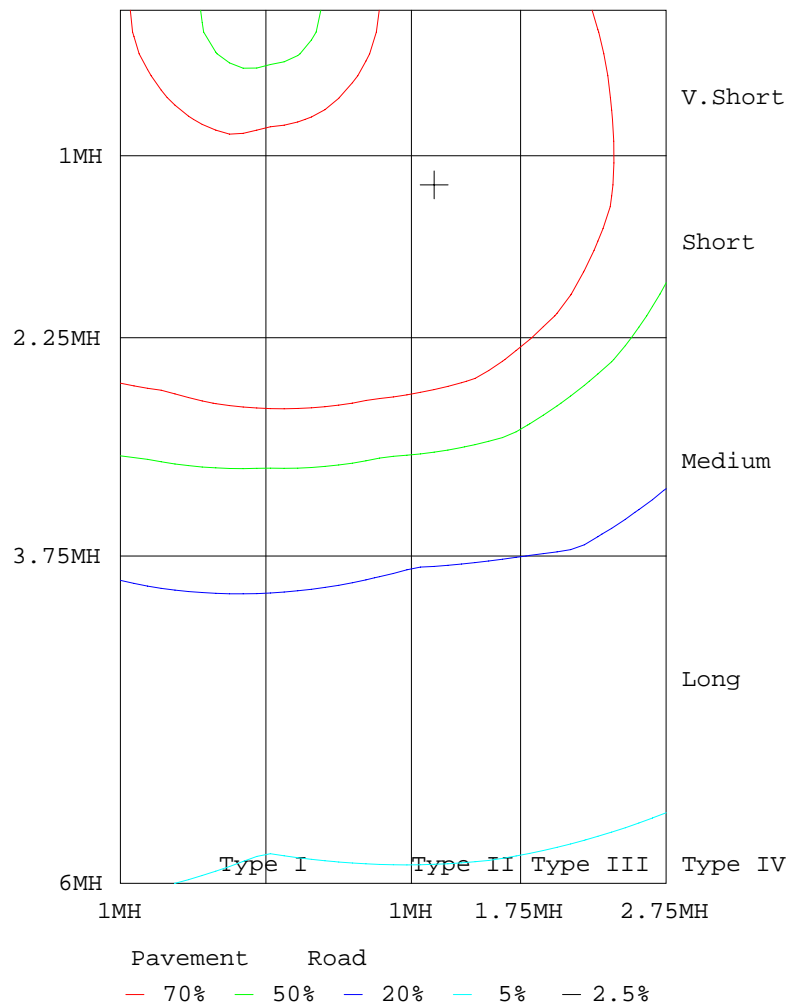
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.1V I:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	859	859	859	859	859	859	859	859	859	859	859	859	859	859	859	859	859	859	859
5	873	871	871	869	869	868	868	868	869	870	872	872	875	877	878	881	881	882	880
10	914	909	907	902	900	896	897	896	899	902	908	911	916	919	922	927	926	928	925
15	977	967	961	952	948	943	945	943	948	952	962	969	979	984	986	990	989	993	991
20	1062	1045	1035	1023	1021	1016	1021	1018	1024	1026	1039	1051	1069	1072	1072	1078	1080	1087	1086
25	1169	1143	1128	1116	1118	1111	1120	1115	1124	1124	1138	1154	1181	1183	1182	1194	1199	1205	1206
30	1288	1255	1235	1228	1231	1221	1236	1229	1242	1244	1253	1272	1308	1311	1310	1331	1338	1344	1347
35	1423	1385	1366	1360	1362	1353	1364	1361	1379	1380	1390	1407	1455	1460	1464	1489	1500	1505	1504
40	1573	1536	1518	1513	1514	1505	1511	1514	1535	1539	1548	1567	1621	1633	1640	1671	1682	1685	1680
45	1725	1708	1689	1684	1682	1669	1668	1681	1706	1713	1723	1739	1785	1821	1834	1868	1870	1863	1850
50	1901	1900	1877	1873	1853	1842	1825	1849	1867	1891	1896	1916	1956	2014	2023	2054	2033	2017	1981
55	2027	2045	2036	2032	1992	1950	1892	1954	1993	2037	2029	2036	2079	2140	2171	2200	2143	2093	2028
60	2041	2082	2103	2099	2026	1976	1877	1960	2012	2083	2087	2063	2107	2168	2212	2227	2170	2082	1972
65	1924	1967	2027	2017	1941	1833	1685	1826	1935	2006	2033	1970	2010	2058	2143	2130	2045	1880	1703
70	1353	1479	1613	1675	1528	1345	1133	1377	1563	1705	1674	1581	1566	1607	1755	1718	1581	1331	1127
75	345	439	568	750	702	531	380	587	808	913	757	653	580	595	748	816	766	467	349
80	90.7	100	105	119	118	108	102	116	131	148	135	133	112	120	126	130	124	109	98.6
85	26.9	34.2	31.0	36.7	37.4	36.8	34.0	41.1	47.0	50.5	47.9	51.4	40.8	43.2	44.2	43.4	44.6	39.3	36.6
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:2.783A P:606.7W PF:0.9949 Freq:50.00Hz Lamp Flux:76329.1x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-600WHMA-L5(L)-00-3080-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	859	859	859	859	859														
5	880	878	877	874	874														
10	924	921	920	915	914														
15	989	983	982	977	977														
20	1082	1073	1068	1059	1060														
25	1200	1190	1180	1163	1162														
30	1337	1325	1310	1283	1279														
35	1495	1480	1460	1427	1415														
40	1673	1653	1632	1591	1572														
45	1850	1832	1814	1768	1744														
50	1998	1992	1990	1944	1925														
55	2066	2081	2097	2068	2030														
60	2041	2081	2109	2092	2033														
65	1835	1938	1996	2002	1901														
70	1268	1474	1538	1533	1366														
75	388	633	651	564	392														
80	106	114	117	111	106														
85	35.6	37.5	34.5	35.6	32.8														
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  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks: