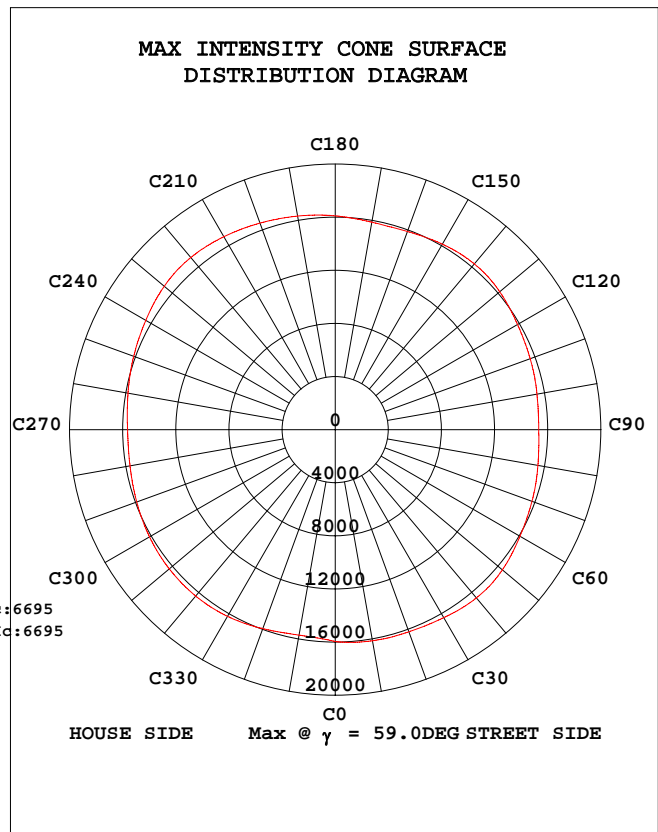
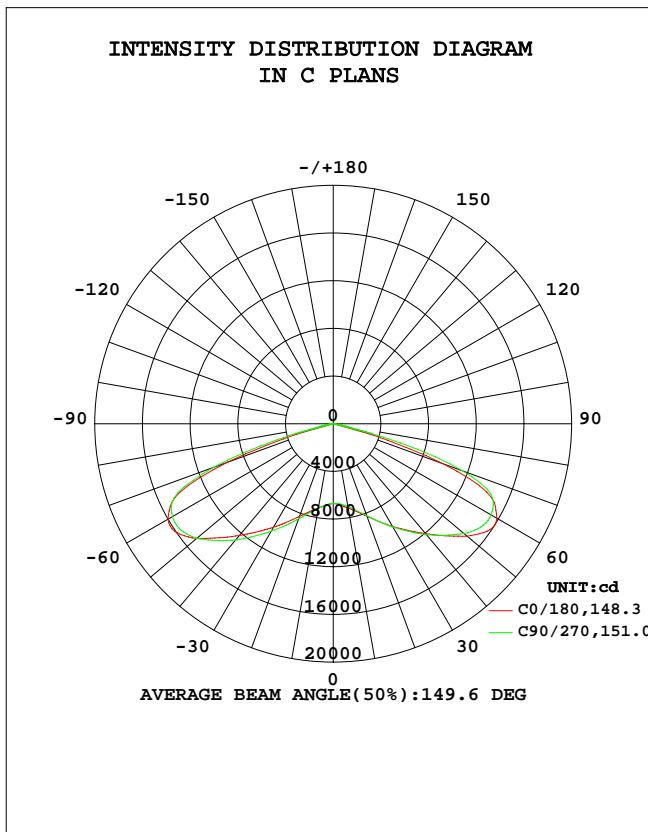


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.66 lm/W			
MODEL	5050	I _{max} (cd)	16910	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	49.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	59217	η house_up(%)	0.0
NOMINAL FLUX(lm)	59216.9	MAXIMUM @(C,γ)	225,59.0	η house_down(%)	50.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.561

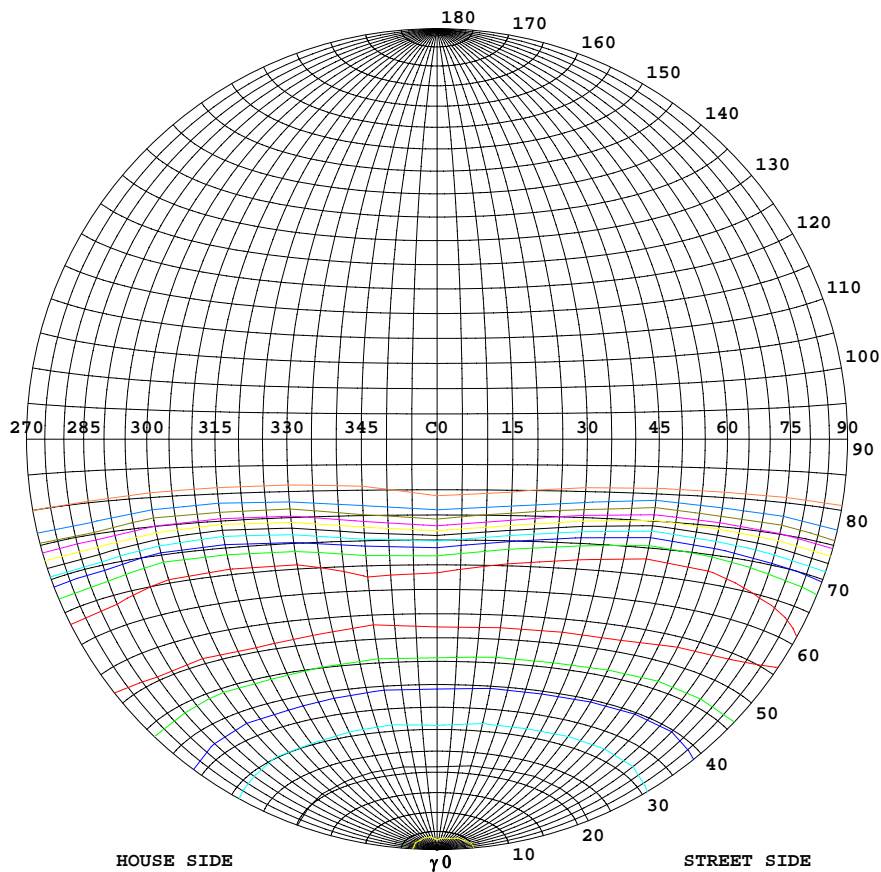


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



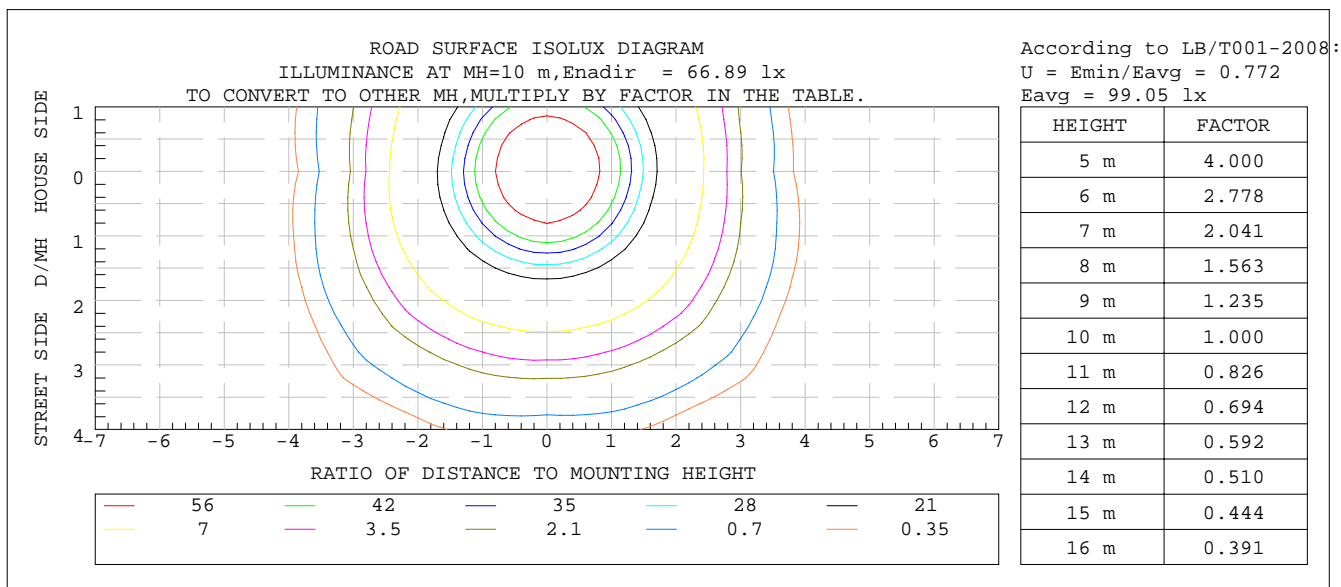
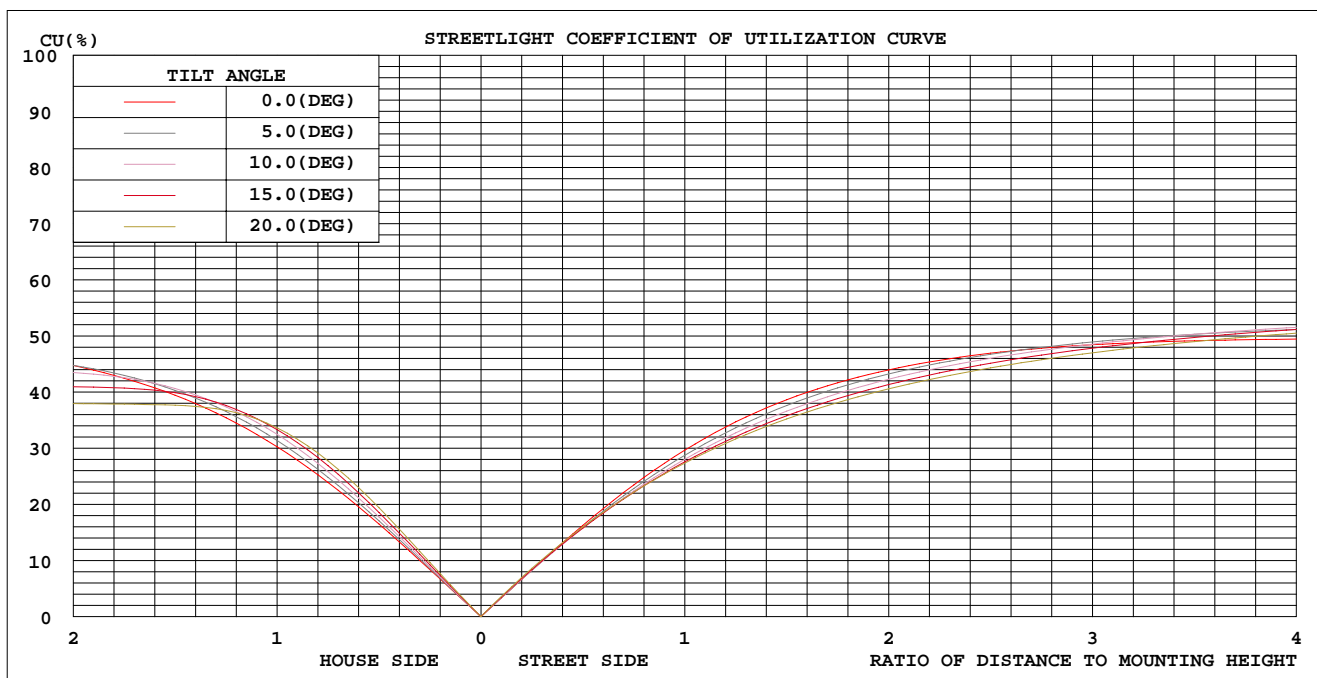
Classification:

IES:Type V - Short
CIE:Broad - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:18.74cd/klm
Max.At90:0cd/klm
Max.80-90:18.74cd/klm
NRB 5101:Limited[5.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	16910
90%	15219
80%	13528
70%	11837
60%	10146
50%	8455
40%	6764
30%	5073
20%	3382
10%	1691
5%	846

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-19

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: 2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

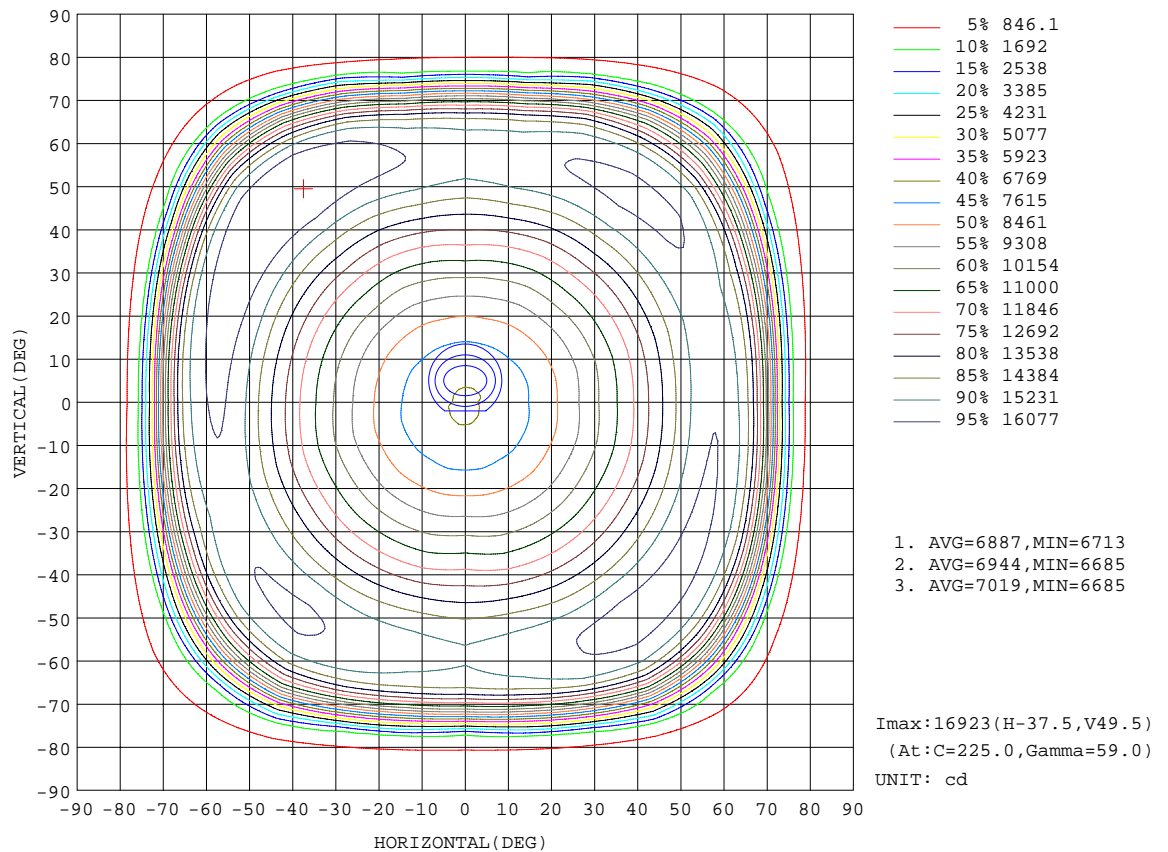
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	718.2	710.6	705.5	711.0	717.9	722.6	719.6	721.4	0- 10	661.9	661.9	1.12,1.12
20	825.0	812.7	820.0	816.6	826.5	837.1	848.0	834.2	10- 20	2188	2850	4.81,4.81
30	994.9	976.7	999.2	985.7	1002	1019	1039	1011	20- 30	4235	7085	12,12
40	1204	1194	1214	1208	1223	1255	1272	1241	30- 40	6978	14063	23.7,23.7
50	1466	1454	1433	1469	1496	1533	1494	1503	40- 50	10484	24547	41.5,41.5
60	1584	1657	1529	1627	1600	1690	1558	1630	50- 60	14082	38629	65.2,65.2
70	977.3	1392	1148	1305	941.9	1294	1063	1247	60- 70	14694	53323	90,90
80	69.10	102.7	93.66	111.0	65.41	96.33	84.01	107.6	70- 80	5505	58827	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	389.6	59217	100,100
100	0	0	0	0	0	0	0	0	90-100	0	59217	100,100
110	0	0	0	0	0	0	0	0	100-110	0	59217	100,100
120	0	0	0	0	0	0	0	0	110-120	0	59217	100,100
130	0	0	0	0	0	0	0	0	120-130	0	59217	100,100
140	0	0	0	0	0	0	0	0	130-140	0	59217	100,100
150	0	0	0	0	0	0	0	0	140-150	0	59217	100,100
160	0	0	0	0	0	0	0	0	150-160	0	59217	100,100
170	0	0	0	0	0	0	0	0	160-170	0	59217	100,100
180	0	0	0	0	0	0	0	0	170-180	0	59217	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:2024-11-19

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

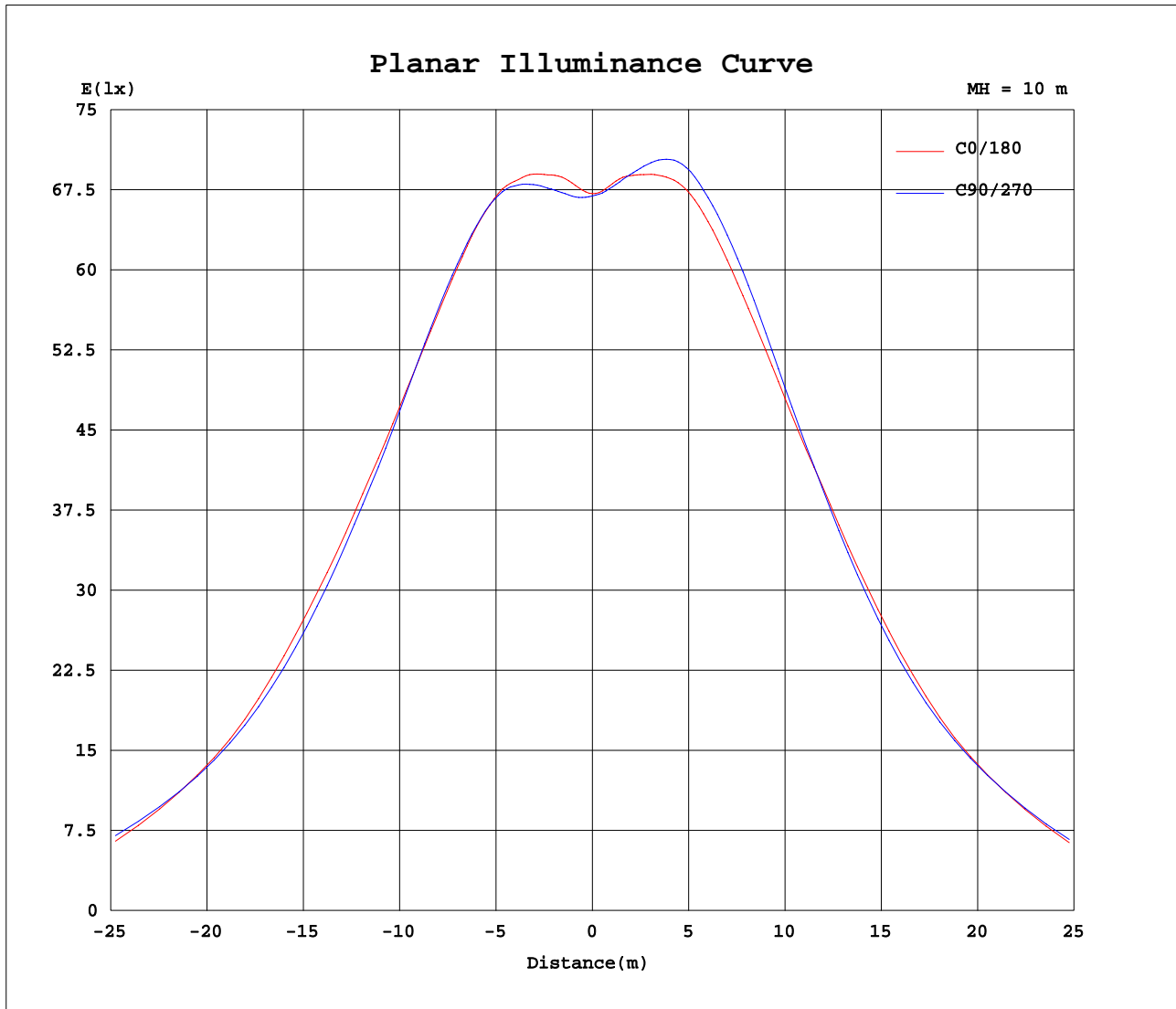
Test:U:219.1V I:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-19

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



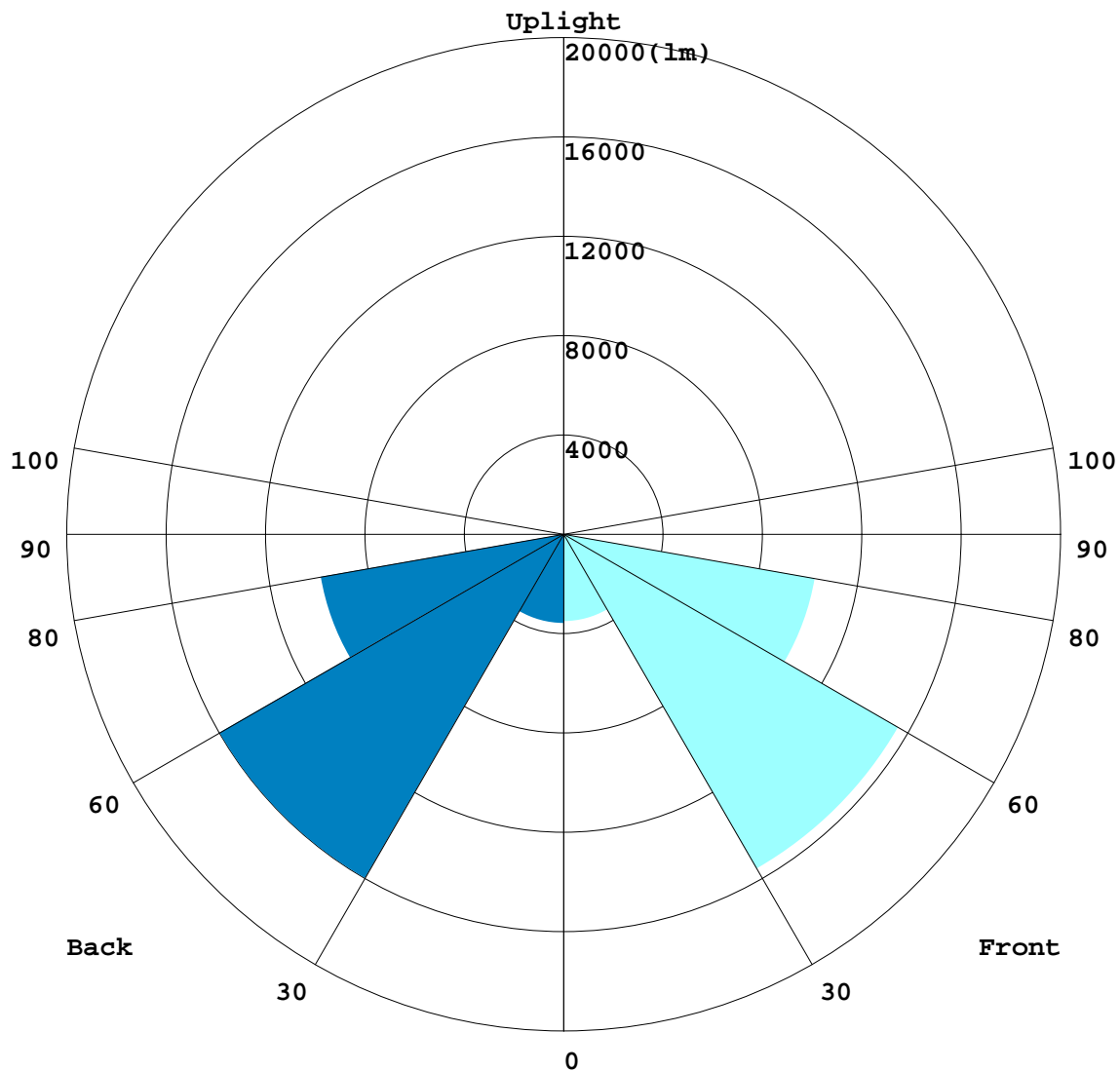
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-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:2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-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)	3504.5	5.9
FM - Front-Medium(30-60)	15547	26.3
FH - Front-High(60-80)	10273	17.3
FVH - Front-Very High(80-90)	206.49	0.3
Total Forward Light	29532	49.9

BL - Back-Low(0-30)	3580.5	6.0
BM - Back-Medium(30-60)	15997	27.0
BH - Back-High(60-80)	9925.1	16.8
BVH - Back-Very High(80-90)	183.07	0.3
Total Back Light	29685	50.1

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	29685	0	29685
Street Side	29532	0	29532

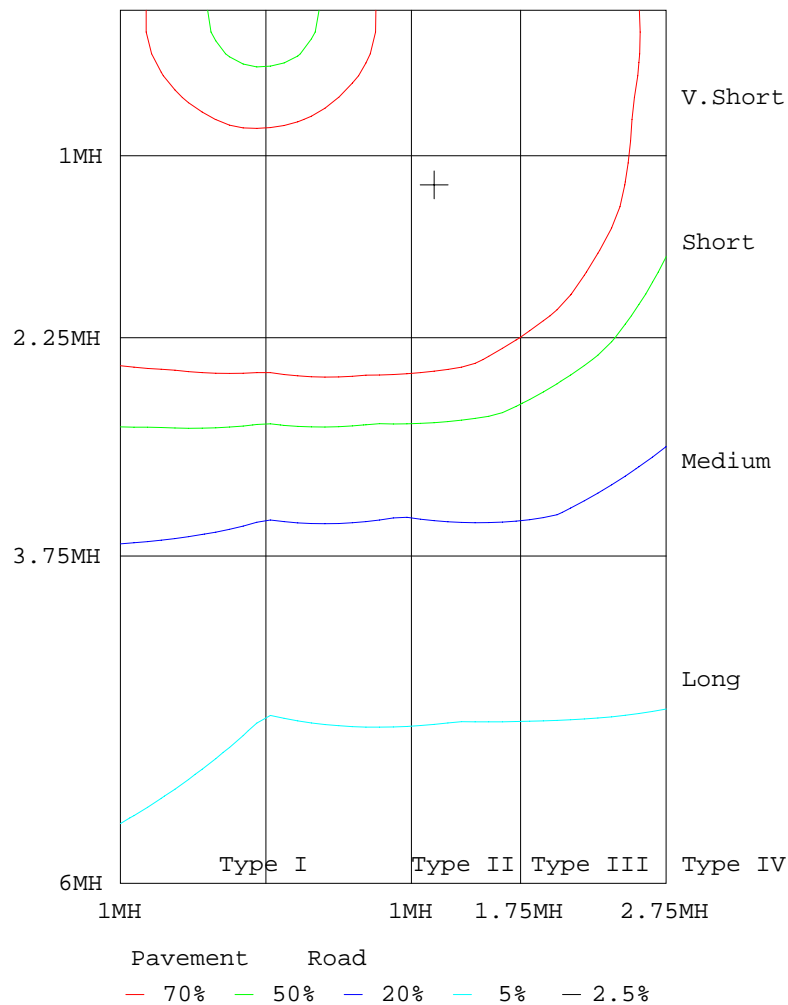
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-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:2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-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	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670	670
5	685	683	682	679	678	676	676	676	678	679	682	683	684	686	685	686	684	685	684
10	718	714	713	711	709	705	705	704	709	711	714	715	718	720	720	723	720	720	720
15	763	757	756	754	756	752	753	752	757	756	759	759	763	766	767	772	773	775	774
20	825	817	816	813	816	817	820	818	819	817	821	821	827	830	831	837	840	848	848
25	905	893	893	888	891	895	905	898	897	894	900	899	909	911	914	922	923	934	939
30	995	980	981	977	977	982	999	986	985	986	991	989	1002	1004	1010	1019	1017	1029	1039
35	1092	1080	1082	1077	1077	1078	1102	1085	1087	1089	1095	1093	1105	1111	1120	1129	1126	1135	1151
40	1204	1193	1197	1194	1190	1191	1214	1199	1203	1208	1214	1211	1223	1233	1244	1255	1249	1259	1272
45	1330	1319	1324	1319	1315	1317	1323	1325	1330	1337	1344	1339	1353	1367	1380	1391	1383	1391	1386
50	1466	1459	1456	1454	1443	1445	1433	1450	1457	1469	1469	1474	1496	1515	1522	1533	1516	1518	1494
55	1573	1576	1580	1585	1557	1537	1511	1536	1552	1585	1576	1570	1597	1621	1636	1647	1615	1591	1558
60	1584	1614	1638	1657	1606	1564	1529	1551	1583	1627	1611	1572	1600	1638	1675	1690	1648	1593	1558
65	1465	1534	1571	1600	1577	1513	1475	1495	1537	1567	1537	1458	1466	1531	1615	1623	1584	1499	1474
70	977	1162	1308	1392	1318	1216	1148	1183	1258	1305	1202	1044	942	1047	1262	1294	1239	1077	1063
75	259	391	567	692	604	516	437	493	567	647	514	363	246	274	481	529	499	362	376
80	69.1	78.6	103	103	102	97.1	93.7	97.9	106	111	104	94.7	65.4	70.0	81.8	96.3	87.9	83.5	84.0
85	24.4	29.7	31.0	35.0	33.6	36.4	34.0	36.6	34.5	35.9	32.8	33.7	22.9	22.8	26.2	25.8	27.9	27.1	28.3
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:2024-11-19

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:1.861A P:403.8W PF:0.9901 Freq:50.01Hz Lamp Flux:59216.9x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-3070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	670	670	670	670	670														
5	685	684	685	684	685														
10	720	720	721	718	718														
15	775	772	770	764	763														
20	848	839	834	827	825														
25	934	921	916	906	902														
30	1028	1013	1011	998	990														
35	1135	1122	1119	1105	1092														
40	1258	1243	1241	1223	1207														
45	1390	1375	1372	1352	1333														
50	1512	1501	1503	1481	1464														
55	1579	1592	1607	1587	1559														
60	1571	1611	1630	1624	1570														
65	1481	1543	1558	1555	1466														
70	1082	1232	1247	1203	1060														
75	371	512	573	542	357														
80	87.8	97.5	108	105	95.7														
85	29.0	32.8	32.4	35.5	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:2024-11-19

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: