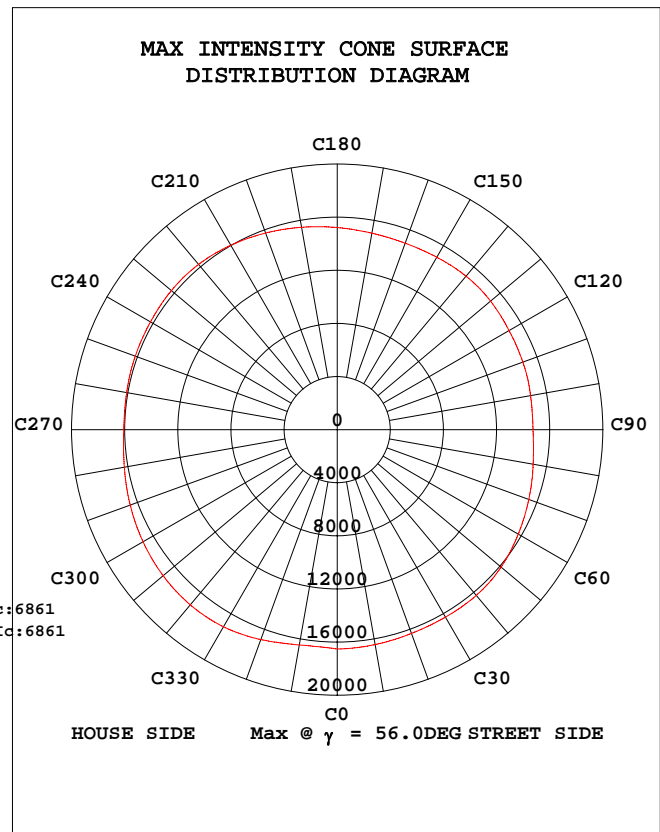
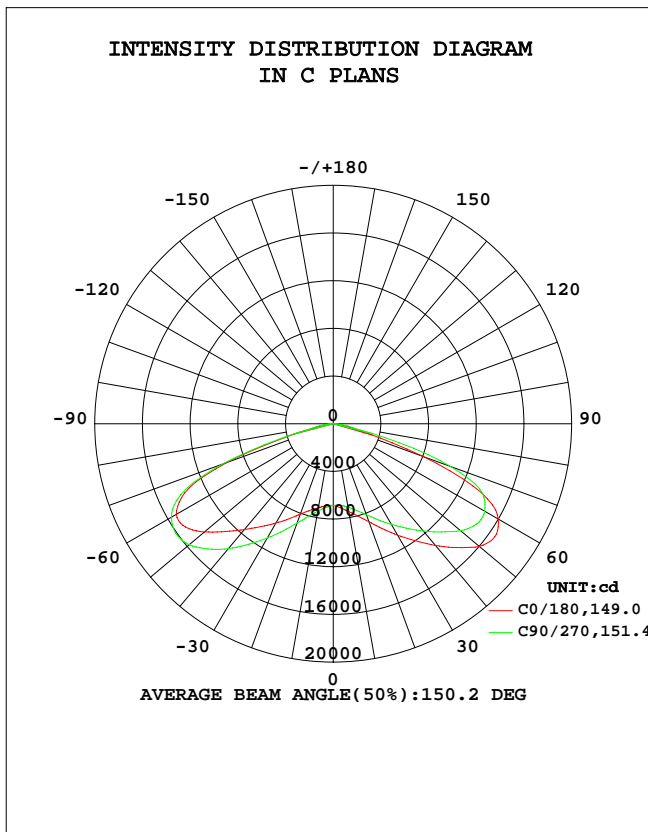


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.11 lm/W			
MODEL	5050	I _{max} (cd)	17183	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	49.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	59182	η house_up(%)	0.0
NOMINAL FLUX(lm)	59182.2	MAXIMUM @(C,γ)	315,56.0	η house_down(%)	51.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.232

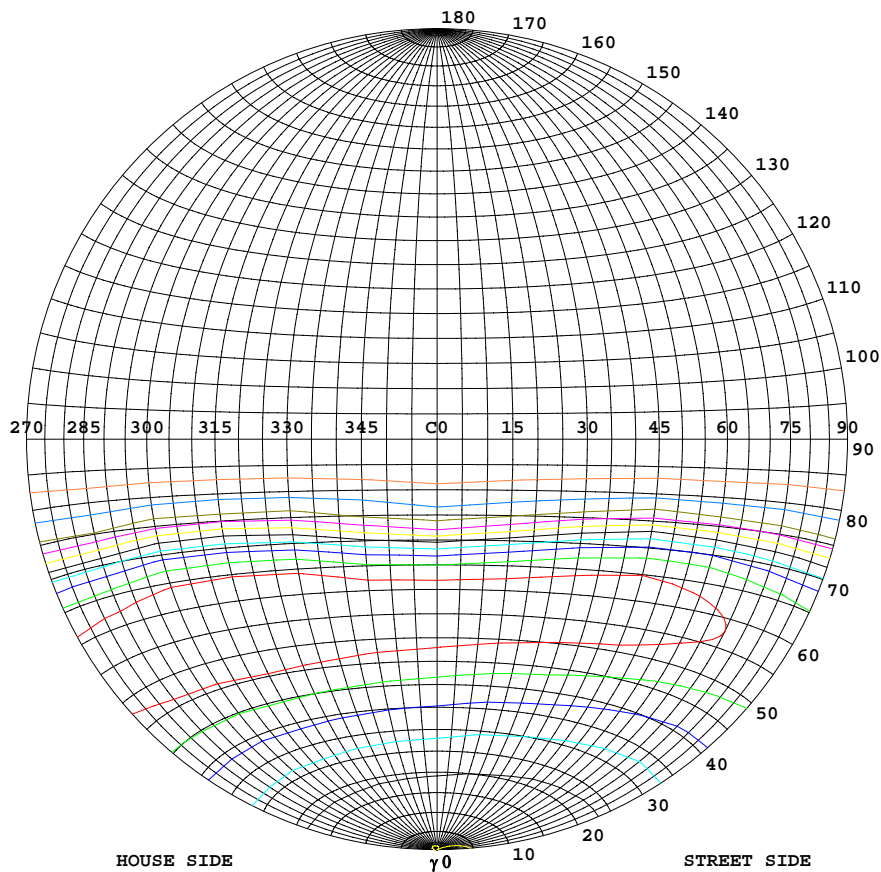


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



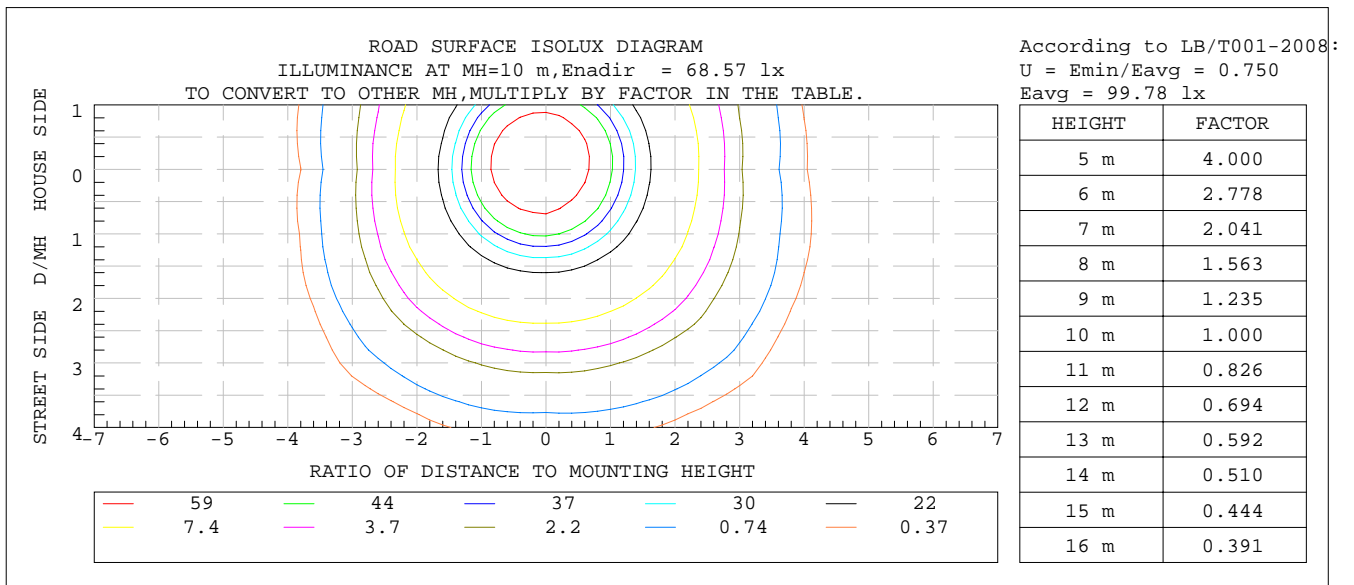
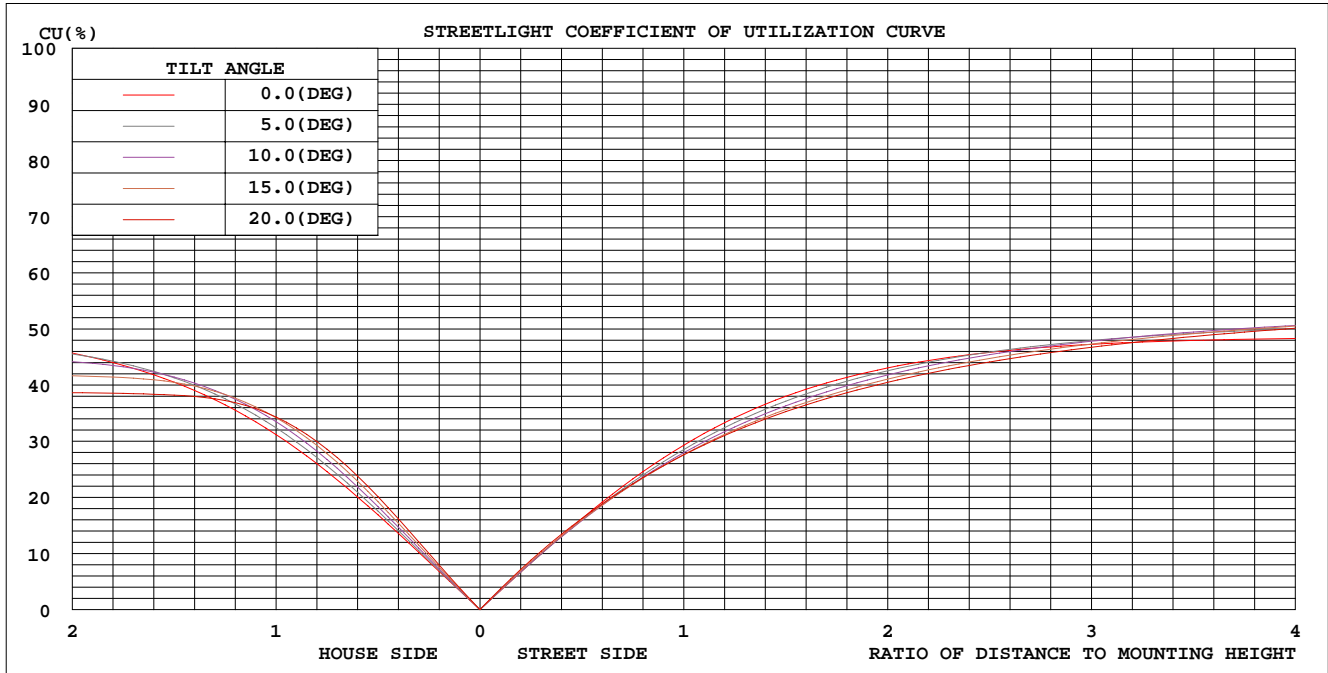
Classification:

IES:Type V - Short
CIE:Broad - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:29.36cd/klm
Max.At90:0cd/klm
Max.80-90:29.36cd/klm
NRB 5101:Limited[6.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	17183
90%	15465
80%	13746
70%	12028
60%	10310
50%	8592
40%	6873
30%	5155
20%	3437
10%	1718
5%	859

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-21

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: 2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

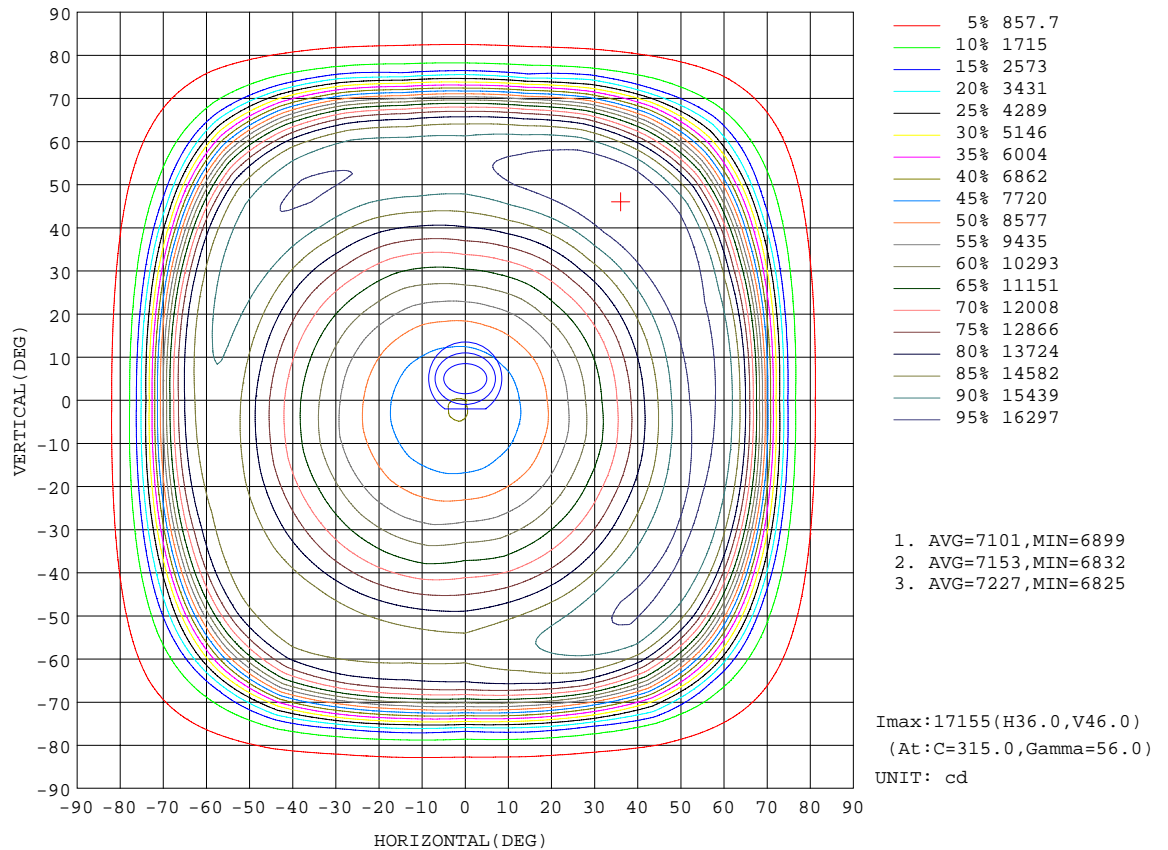
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	748.1	727.8	710.3	707.6	715.4	732.4	744.9	754.1	0- 10	676.5	676.5	1.14,1.14
20	875.5	833.2	811.7	790.6	806.7	842.4	886.2	892.2	10- 20	2228	2904	4.91,4.91
30	1079	1010	974.2	934.3	962.0	1023	1105	1113	20- 30	4320	7225	12.2,12.2
40	1332	1241	1175	1134	1159	1262	1367	1389	30- 40	7144	14369	24.3,24.3
50	1601	1508	1396	1379	1412	1529	1580	1660	40- 50	10734	25102	42.4,42.4
60	1599	1637	1467	1545	1519	1630	1567	1690	50- 60	14098	39200	66.2,66.2
70	796.1	1216	1045	1241	941.6	1197	984.8	1116	60- 70	13945	53145	89.8,89.8
80	105.2	148.9	137.6	173.8	118.9	152.4	133.1	143.8	70- 80	5443	58588	99,99
90	0	0	0	0	0	0	0	0	80- 90	594.2	59182	100,100
100	0	0	0	0	0	0	0	0	90-100	0	59182	100,100
110	0	0	0	0	0	0	0	0	100-110	0	59182	100,100
120	0	0	0	0	0	0	0	0	110-120	0	59182	100,100
130	0	0	0	0	0	0	0	0	120-130	0	59182	100,100
140	0	0	0	0	0	0	0	0	130-140	0	59182	100,100
150	0	0	0	0	0	0	0	0	140-150	0	59182	100,100
160	0	0	0	0	0	0	0	0	150-160	0	59182	100,100
170	0	0	0	0	0	0	0	0	160-170	0	59182	100,100
180	0	0	0	0	0	0	0	0	170-180	0	59182	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:2024-11-21

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

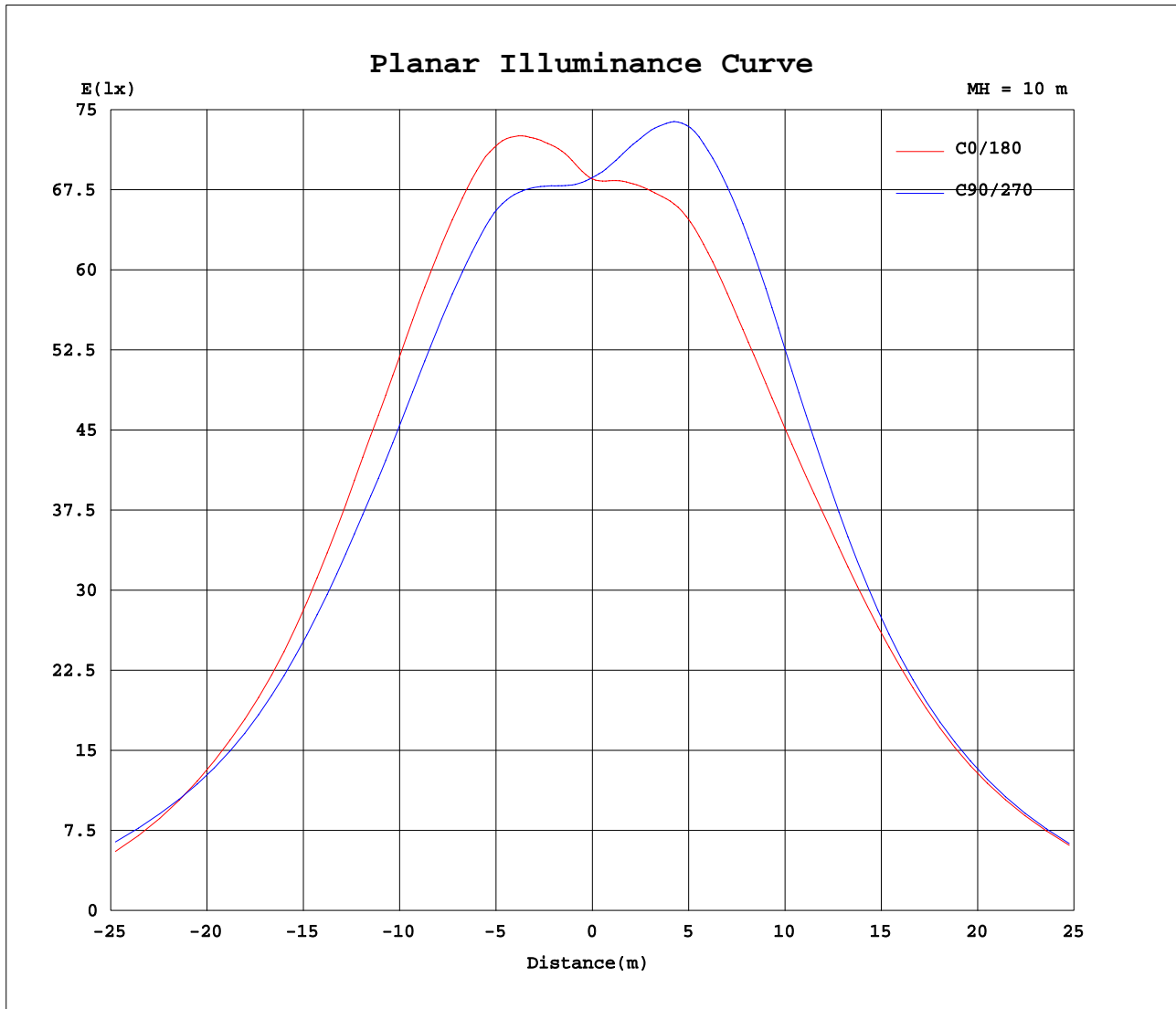
Test:U:219.1V I:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-11-21

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



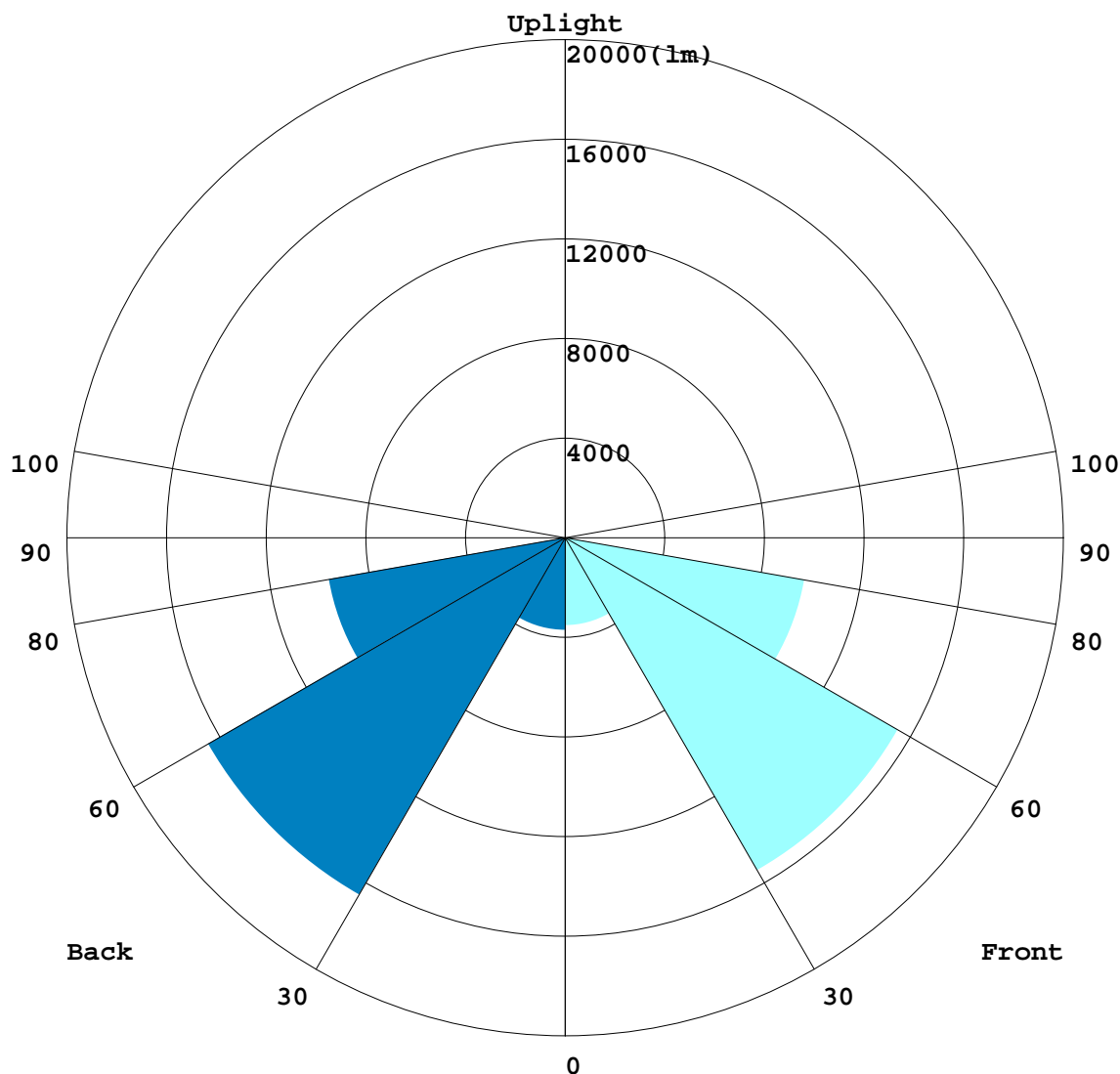
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-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:2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-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)	3519.2	5.9
FM - Front-Medium(30-60)	15424	26.1
FH - Front-High(60-80)	9752.8	16.5
FVH - Front-Very High(80-90)	305.98	0.5
Total Forward Light	29002	49.0

BL - Back-Low(0-30)	3705.8	6.3
BM - Back-Medium(30-60)	16551	28.0
BH - Back-High(60-80)	9635	16.3
BVH - Back-Very High(80-90)	288.23	0.5
Total Back Light	30180	51.0

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	30180	0	30180
Street Side	29002	0	29002

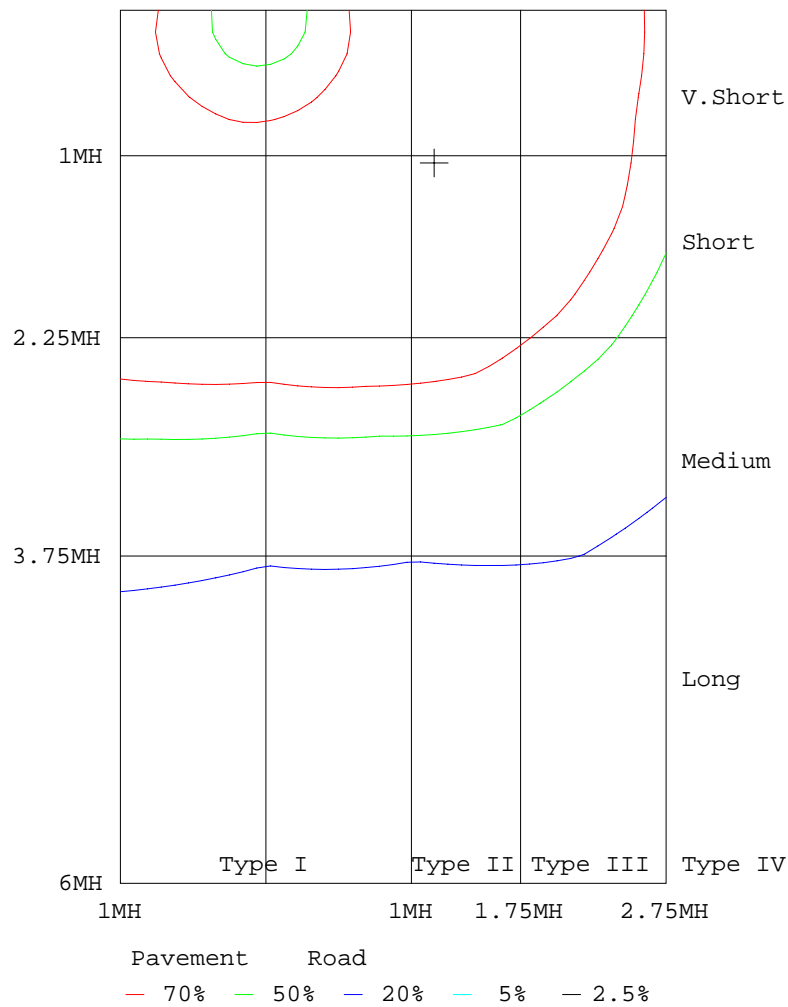
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-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:2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-T5-P	DIM.: 605*115*160mm	SERIAL No.:
MFR.: AOK	SUR.:560*120mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686	686
5	708	704	701	697	693	689	688	686	686	687	689	690	692	695	697	700	701	704	705
10	748	741	736	728	722	713	710	707	708	708	710	711	715	721	725	732	736	742	745
15	802	790	783	773	767	756	752	745	745	741	744	746	752	760	767	778	787	799	805
20	876	859	849	833	827	817	812	801	796	791	794	797	807	818	827	842	856	875	886
25	970	946	933	914	902	892	889	871	863	856	862	866	881	893	906	928	944	970	990
30	1079	1049	1032	1010	990	976	974	948	939	934	939	943	962	977	996	1023	1041	1074	1105
35	1197	1165	1145	1116	1091	1068	1069	1036	1029	1026	1031	1033	1053	1075	1101	1133	1157	1193	1233
40	1332	1298	1275	1241	1207	1179	1175	1141	1134	1134	1139	1137	1159	1189	1222	1262	1287	1330	1367
45	1469	1436	1414	1375	1335	1304	1284	1263	1254	1253	1257	1256	1279	1315	1353	1397	1423	1464	1486
50	1601	1567	1539	1508	1464	1429	1396	1389	1382	1379	1378	1386	1412	1451	1488	1529	1544	1574	1580
55	1654	1634	1621	1610	1560	1508	1467	1475	1482	1494	1484	1485	1511	1551	1592	1620	1618	1615	1610
60	1599	1601	1618	1637	1584	1508	1467	1480	1508	1545	1524	1498	1519	1560	1610	1630	1609	1580	1567
65	1372	1430	1499	1538	1496	1423	1381	1391	1433	1474	1446	1382	1376	1439	1510	1521	1494	1418	1412
70	796	934	1111	1216	1193	1101	1045	1095	1184	1241	1161	1032	942	1042	1197	1197	1145	1006	985
75	240	329	477	584	548	500	452	516	605	690	591	439	353	401	559	580	519	392	390
80	105	120	136	149	145	143	138	148	158	174	161	149	119	131	149	152	147	134	133
85	33.9	39.3	41.0	47.4	46.0	50.3	48.7	53.0	52.3	57.3	51.4	51.9	42.7	44.4	49.8	49.0	48.7	44.1	45.6
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:2024-11-21

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:1.871A P:405.1W PF:0.9877 Freq:60.01Hz Lamp Flux:59182.2x1 lm		
NAME: AOK HMA	TYPE:LED Sports Lighter	WEIGHT:
SPEC.:AOK-400WHMA-NVY-L5(L)-00-4070-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	686	686	686	686	686														
5	707	707	709	709	709														
10	749	751	754	752	751														
15	811	813	814	808	806														
20	894	892	892	885	881														
25	998	993	995	984	977														
30	1113	1109	1113	1101	1088														
35	1240	1238	1242	1229	1212														
40	1382	1382	1389	1372	1351														
45	1515	1523	1536	1519	1491														
50	1619	1639	1660	1645	1616														
55	1647	1688	1717	1712	1666														
60	1603	1658	1690	1677	1607														
65	1430	1511	1526	1507	1395														
70	994	1113	1116	1066	881														
75	362	466	501	459	315														
80	129	139	144	143	128														
85	41.5	43.5	42.5	42.1	38.7														
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:2024-11-21

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: