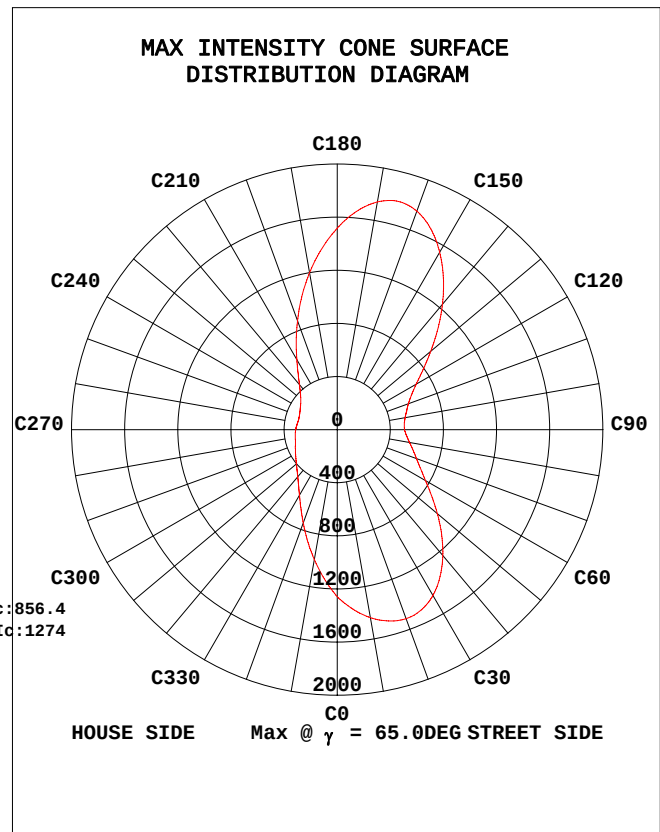
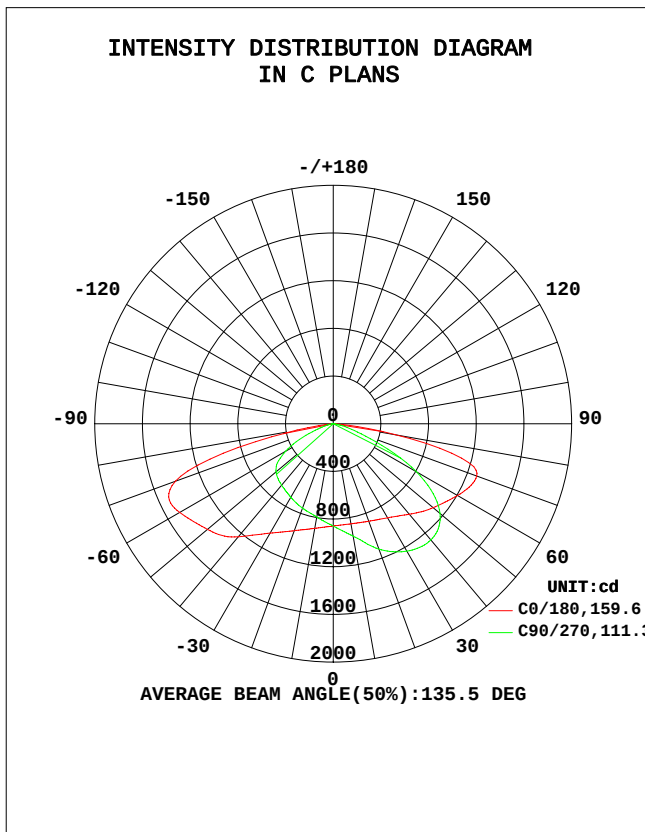


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.12 lm/W			
MODEL	3030	I _{max} (cd)	1780	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	62.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4412	η house_up(%)	0.0
NOMINAL FLUX(lm)	4411.77	MAXIMUM @(C,γ)	165,65.0	η house_down(%)	37.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.683

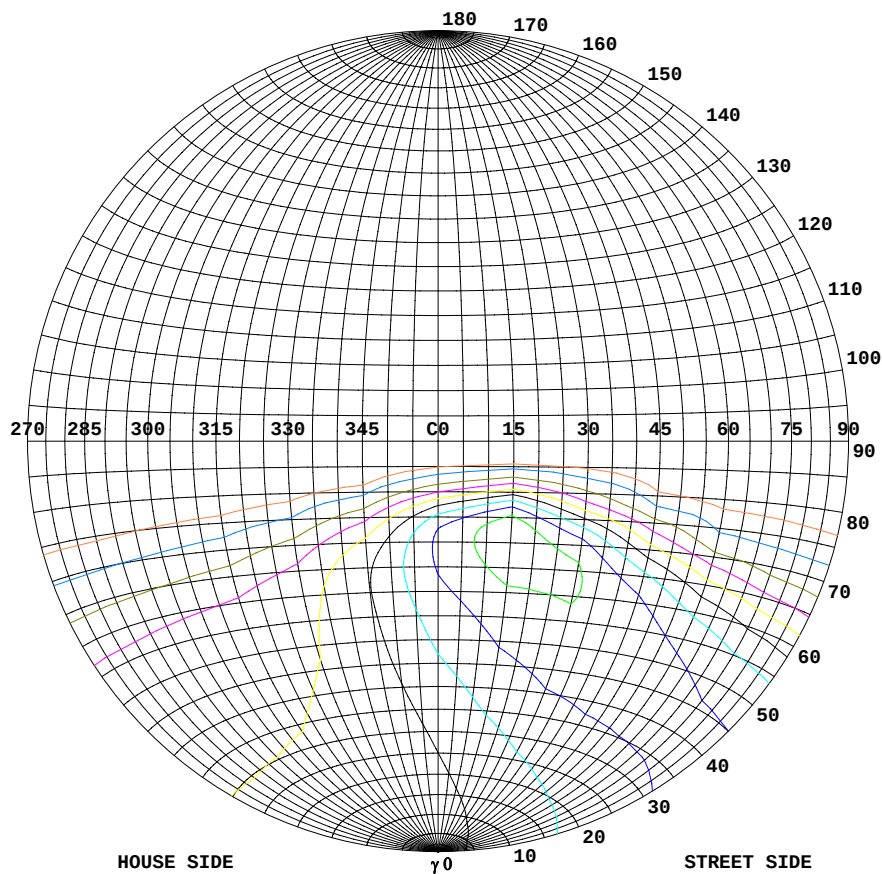


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



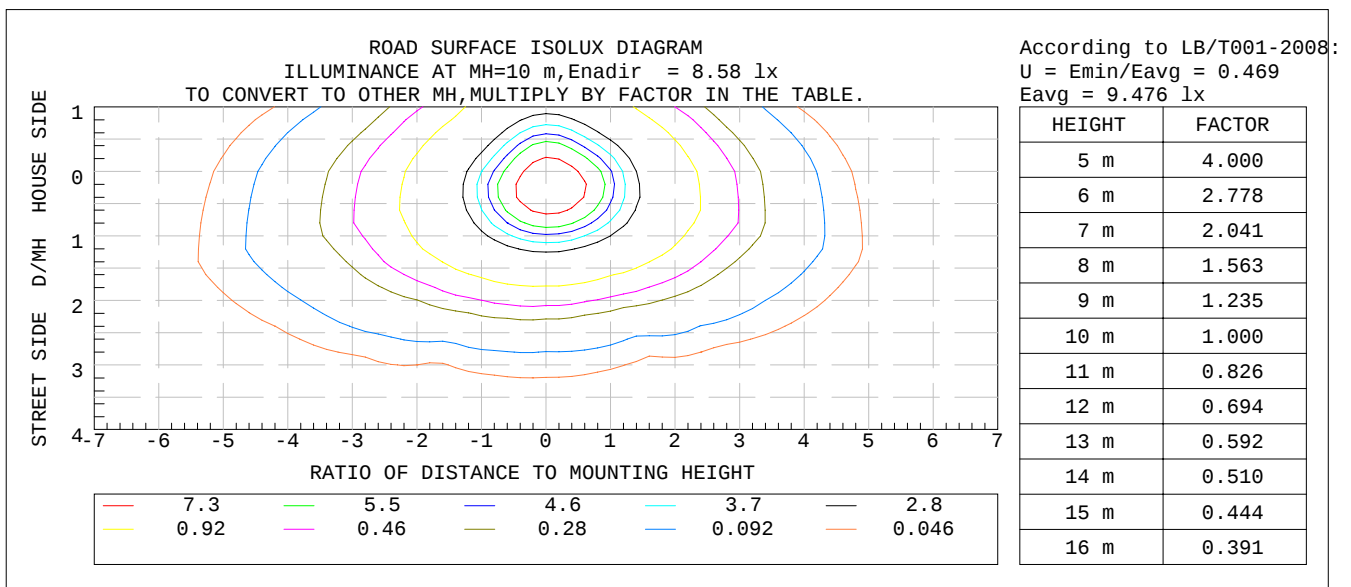
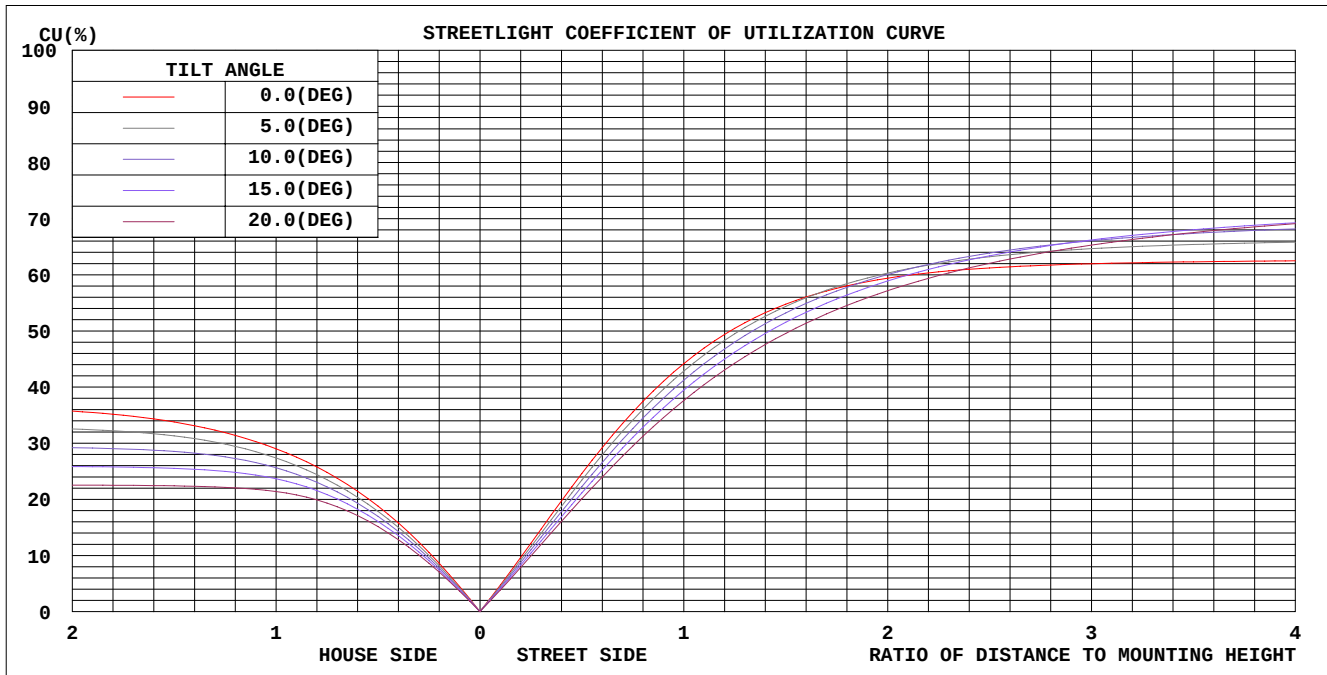
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:183.4cd/klm
Max.At90:0cd/klm
Max.80-90:183.4cd/klm
NRB 5101:Non limited[31.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1780
90%	1602
80%	1424
70%	1246
60%	1068
50%	890
40%	712
30%	534
20%	356
10%	178
5%	89

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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:
Test Date: 2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

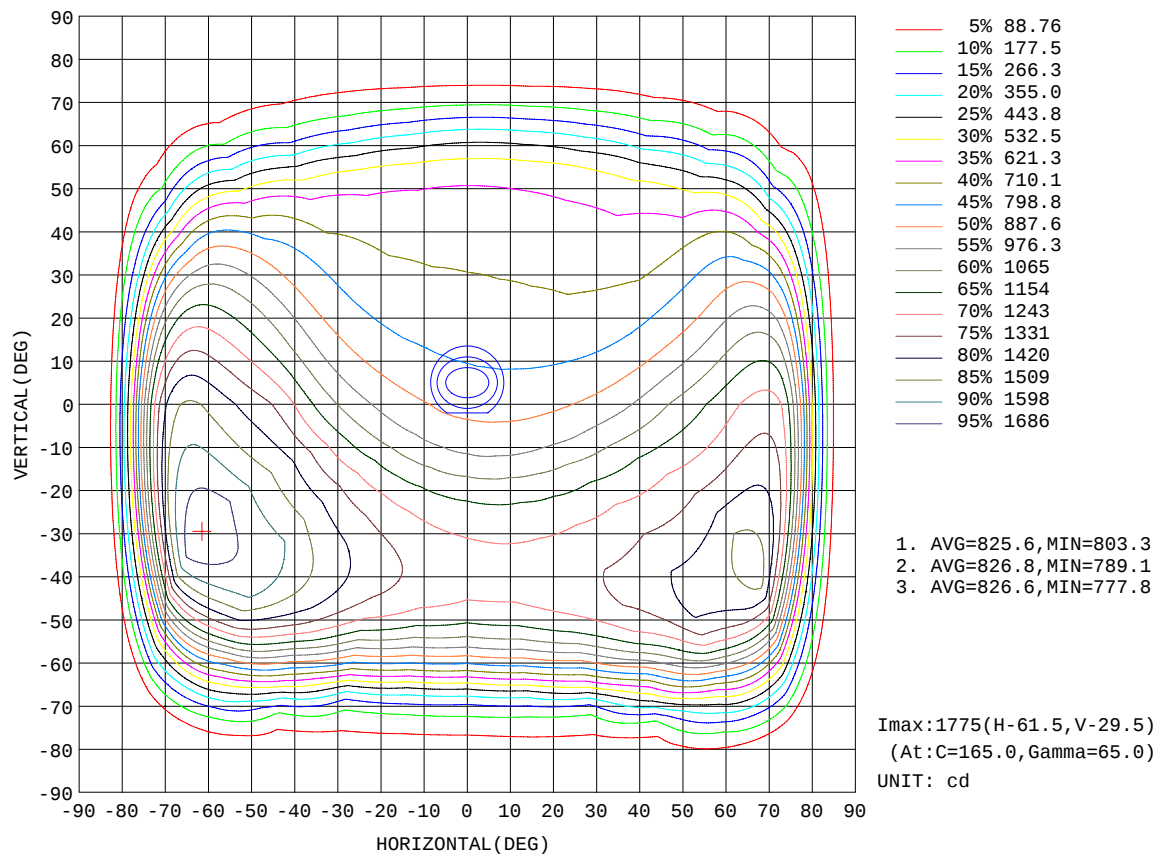
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	852.7	915.5	956.6	949.3	891.1	827.3	795.2	805.8	0- 10	82.70	82.70	1.87,1.87
20	870.5	1029	1119	1102	954.8	801.2	754.1	765.7	10- 20	254.9	337.6	7.65,7.65
30	911.5	1166	1234	1271	1060	778.1	712.5	727.5	20- 30	442.6	780.2	17.7,17.7
40	991.2	1270	1274	1404	1238	753.8	673.5	686.7	30- 40	635.5	1416	32.1,32.1
50	1095	1339	1169	1477	1379	706.1	626.4	644.8	40- 50	812.9	2229	50.5,50.5
60	1204	1282	804.9	1336	1487	559.0	460.9	552.0	50- 60	912.3	3141	71.2,71.2
70	1281	784.2	250.2	704.4	1407	208.5	160.5	251.8	60- 70	807.1	3948	89.5,89.5
80	528.2	106.4	38.94	79.68	309.0	36.84	27.34	46.88	70- 80	417.3	4365	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	46.35	4412	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4412	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4412	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4412	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4412	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4412	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4412	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4412	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4412	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4412	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:2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

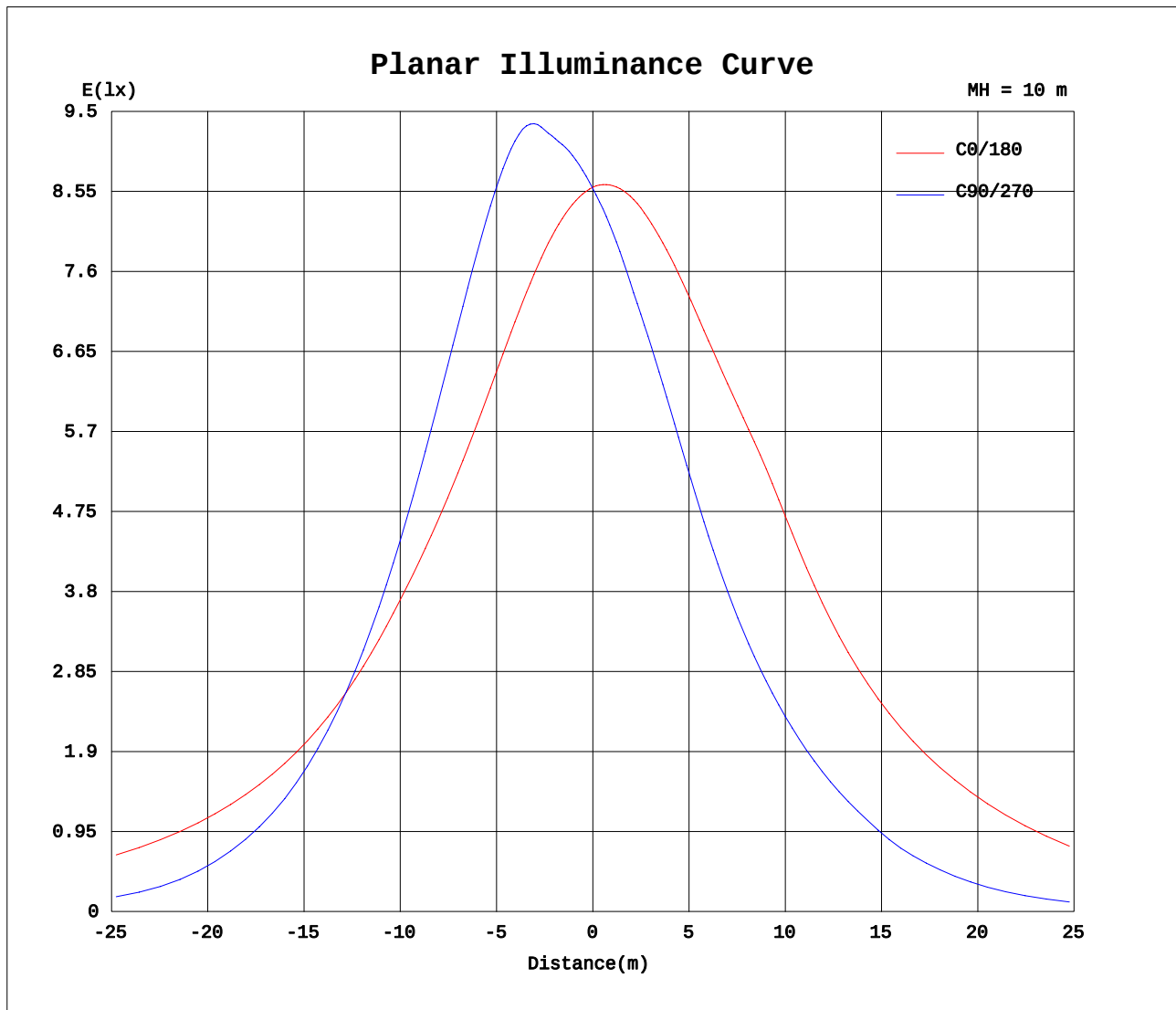
Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



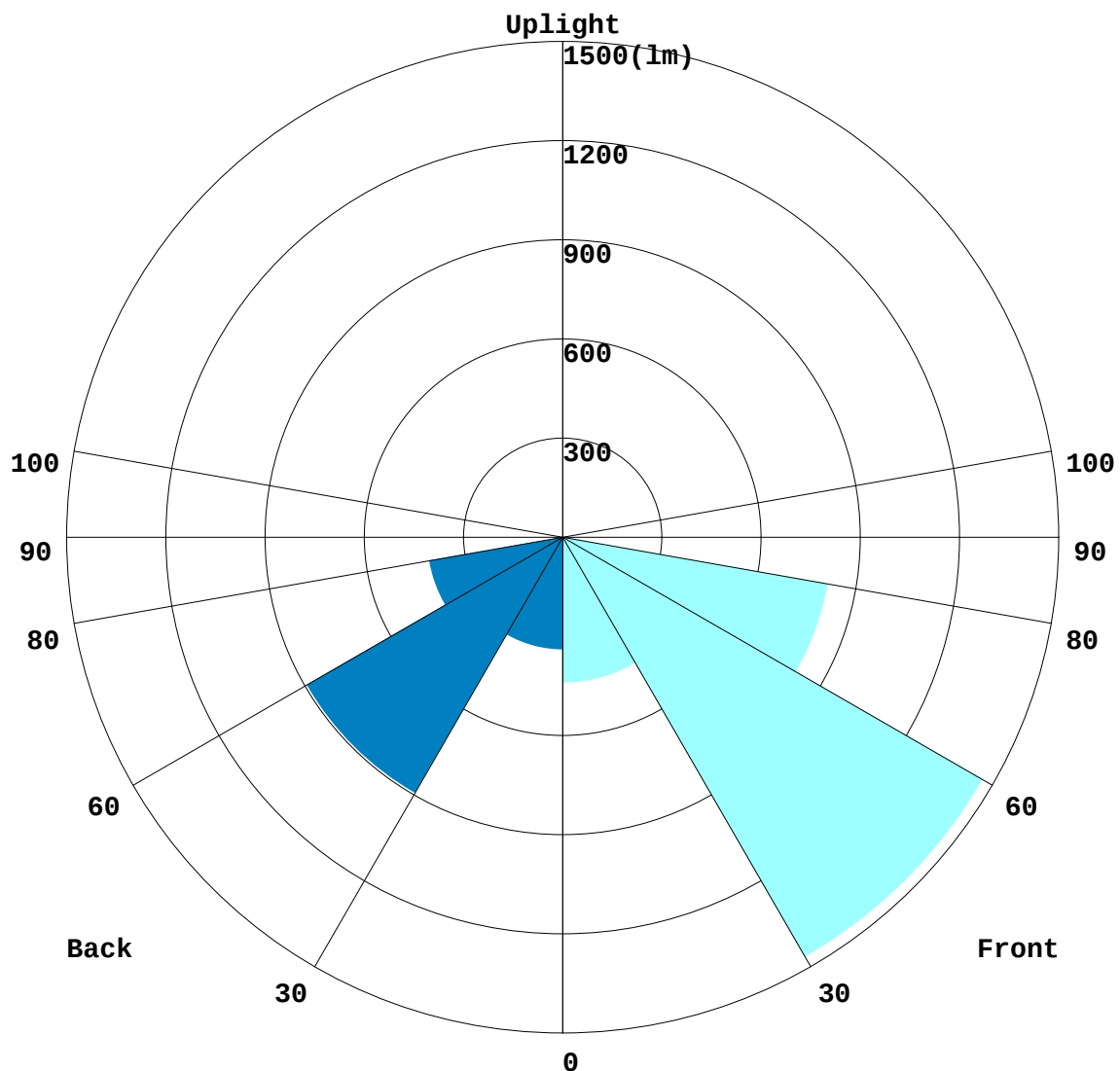
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	440.12	10.0
FM - Front-Medium(30-60)	1466.7	33.2
FH - Front-High(60-80)	814.21	18.5
FVH - Front-Very High(80-90)	36.45	0.8
Total Forward Light	2757.5	62.5

BL - Back-Low(0-30)	340.09	7.7
BM - Back-Medium(30-60)	894.11	20.3
BH - Back-High(60-80)	410.21	9.3
BVH - Back-Very High(80-90)	9.899	0.2
Total Back Light	1654.3	37.5

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	B1-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1654.3	0	1654.3
Street Side	2757.5	0	2757.5

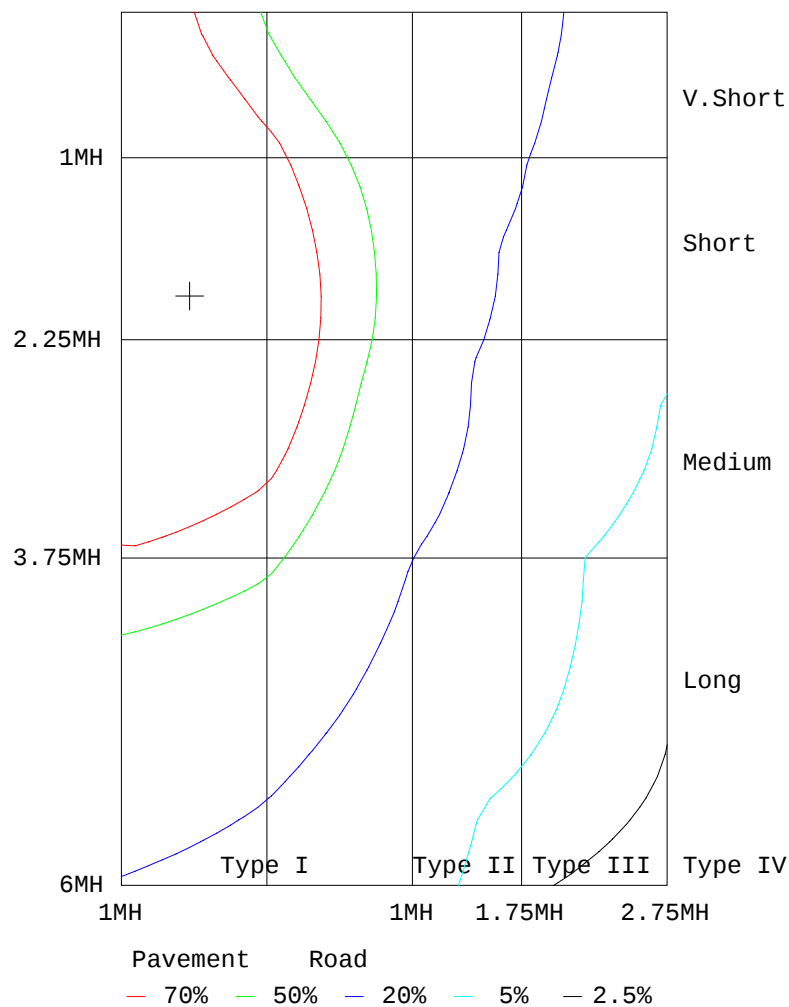
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
5	852	862	872	882	891	898	902	903	902	897	890	881	871	860	850	841	834	828	825
10	853	873	896	916	933	947	957	960	958	949	935	914	891	868	846	827	812	801	795
15	859	893	928	960	993	1016	1033	1036	1033	1016	992	958	919	880	844	814	792	779	772
20	871	920	977	1029	1072	1100	1119	1125	1122	1102	1067	1014	955	896	842	801	775	762	754
25	887	959	1042	1101	1142	1166	1185	1196	1202	1191	1157	1086	1001	917	841	789	759	743	734
30	912	1016	1110	1166	1198	1218	1234	1250	1266	1271	1249	1175	1060	947	844	778	742	722	713
35	946	1078	1175	1222	1242	1254	1265	1288	1317	1343	1340	1278	1138	987	850	766	722	701	692
40	991	1141	1234	1270	1276	1271	1274	1303	1352	1404	1426	1383	1238	1035	859	754	703	682	673
45	1045	1202	1286	1310	1291	1258	1246	1283	1359	1453	1509	1473	1325	1081	866	737	680	660	655
50	1095	1259	1338	1339	1272	1201	1169	1211	1318	1477	1586	1550	1379	1115	860	706	645	627	626
55	1147	1321	1390	1338	1198	1078	1025	1066	1202	1453	1645	1633	1431	1130	831	652	588	570	573
60	1204	1397	1434	1282	1032	874	805	843	984	1336	1654	1724	1487	1116	757	559	482	451	461
65	1258	1491	1441	1111	768	591	507	541	687	1071	1543	1780	1517	1035	609	394	322	301	314
70	1281	1562	1318	784	418	291	250	272	321	704	1216	1691	1407	796	372	208	171	157	161
75	1116	1454	913	419	155	132	122	119	134	296	710	1248	955	393	143	92.3	84.0	76.8	72.7
80	528	809	398	106	66.3	53.5	38.9	45.7	57.0	79.7	258	469	309	86.6	41.5	36.8	38.0	28.5	27.3
85	83.4	130	78.5	23.5	17.8	11.4	6.82	9.53	12.2	12.9	22.3	24.8	12.7	7.03	5.60	5.02	6.19	5.32	5.69
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:
Test Date:2023-07-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1499A P:30.61W PF:0.9309 Freq:60.01Hz Lamp Flux:4411.77x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	858	858	858	858	858													
5	824	825	829	835	843													
10	794	798	806	818	834													
15	771	774	784	803	828													
20	752	755	766	788	825													
25	732	735	747	773	823													
30	710	714	728	759	823													
35	689	692	707	745	827													
40	671	672	687	731	834													
45	653	653	668	718	846													
50	627	630	645	703	860													
55	581	590	611	683	873													
60	472	506	552	646	885													
65	326	363	429	570	866													
70	171	201	252	412	752													
75	79.8	92.6	115	191	483													
80	29.8	42.6	46.9	60.1	144													
85	6.11	8.75	8.77	10.0	14.9													
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:
 Test Date:2023-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: