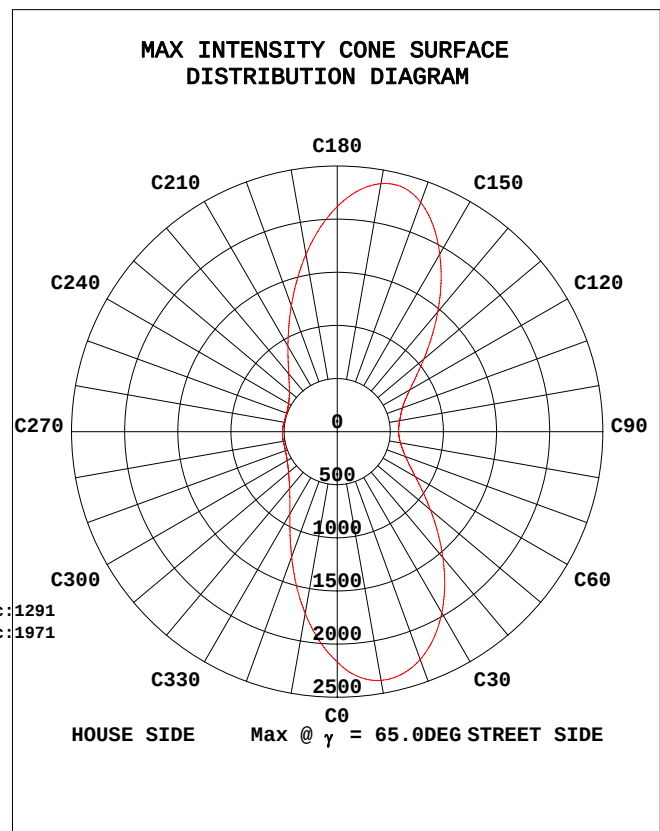
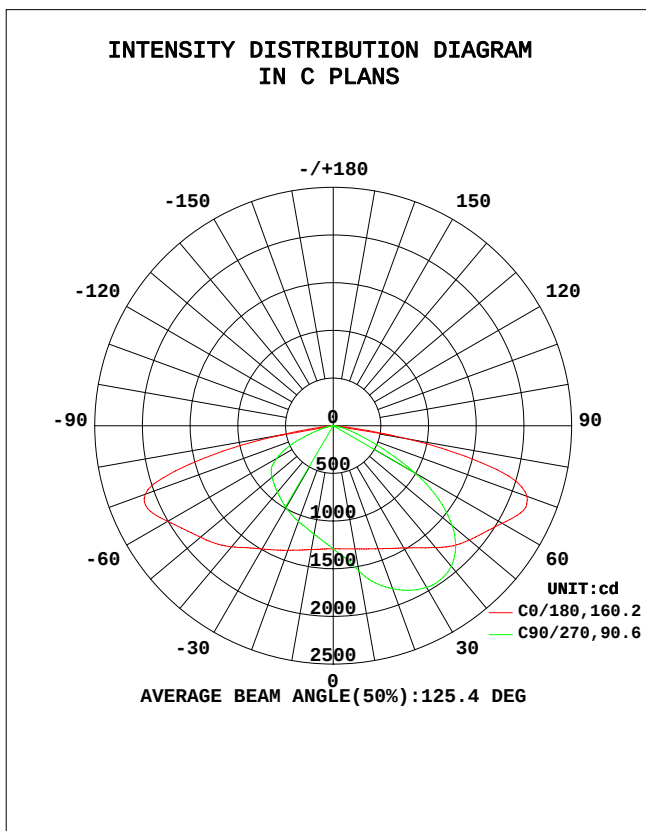


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-40WiLA-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: 159.36 lm/W			
MODEL	3030	I _{max} (cd)	2382	η street_up(%)	0.0
NOMINAL POWER(W)	40	LOR(%)	100.0	η street_down(%)	62.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	6374	η house_up(%)	0.0
NOMINAL FLUX(lm)	6374	MAXIMUM @(C,γ)	165,65.0	η house_down(%)	37.7
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.285

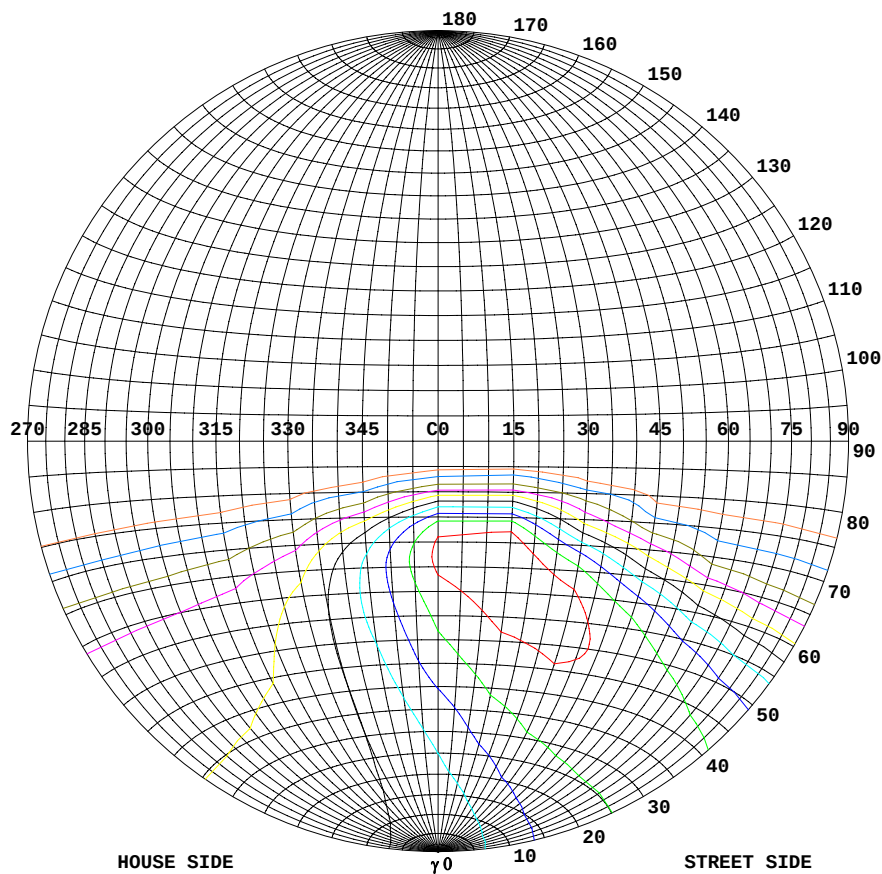


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-40WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



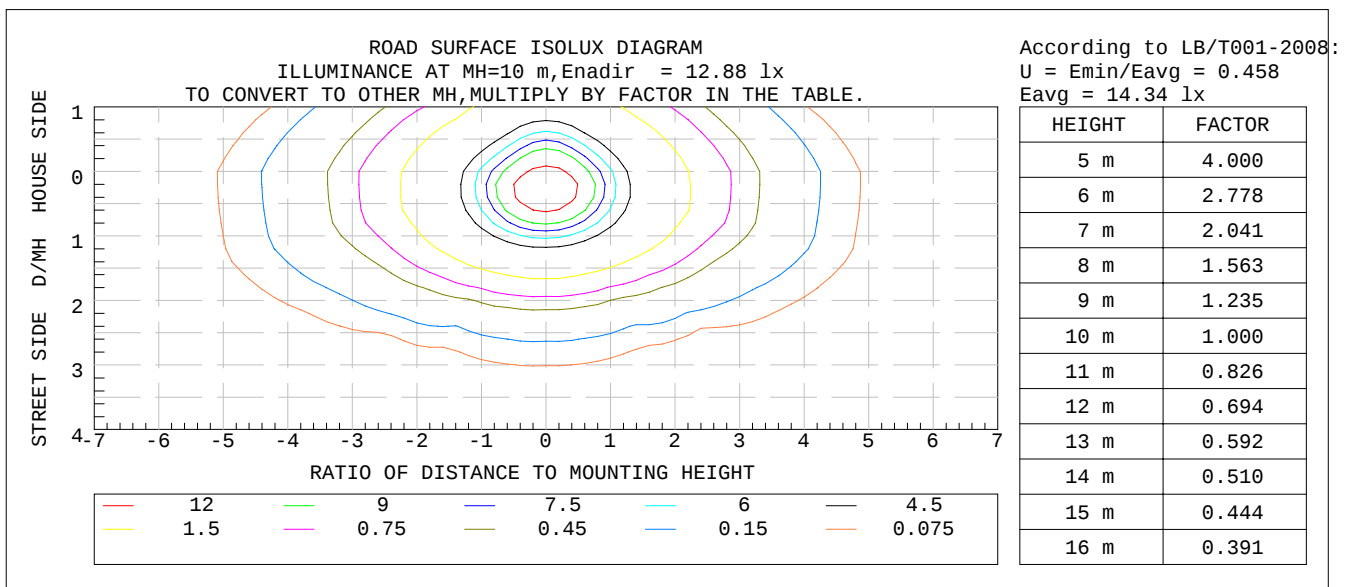
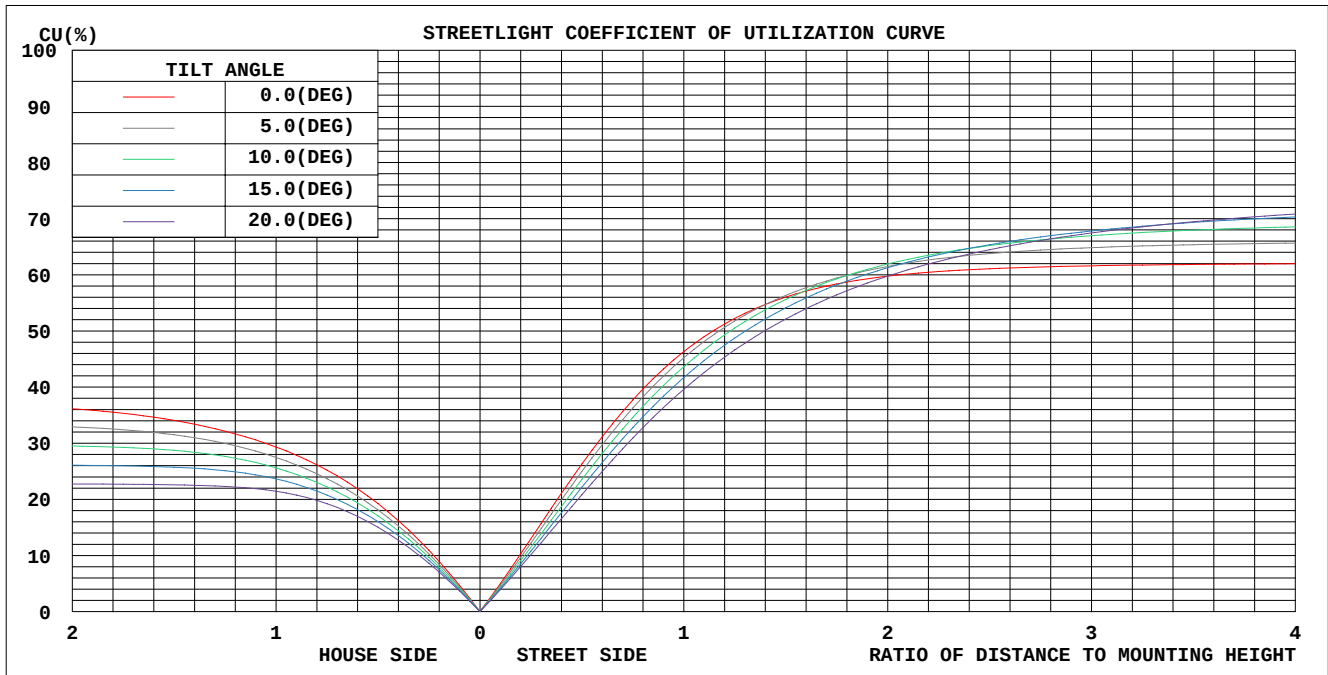
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:126.6cd/klm
Max.At90:0cd/klm
Max.80-90:126.6cd/klm
NRB 5101:Semi limited[25.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2382
90%	2144
80%	1906
70%	1668
60%	1429
50%	1191
40%	953
30%	715
20%	476
10%	238
5%	119

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-09

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: 2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-40WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

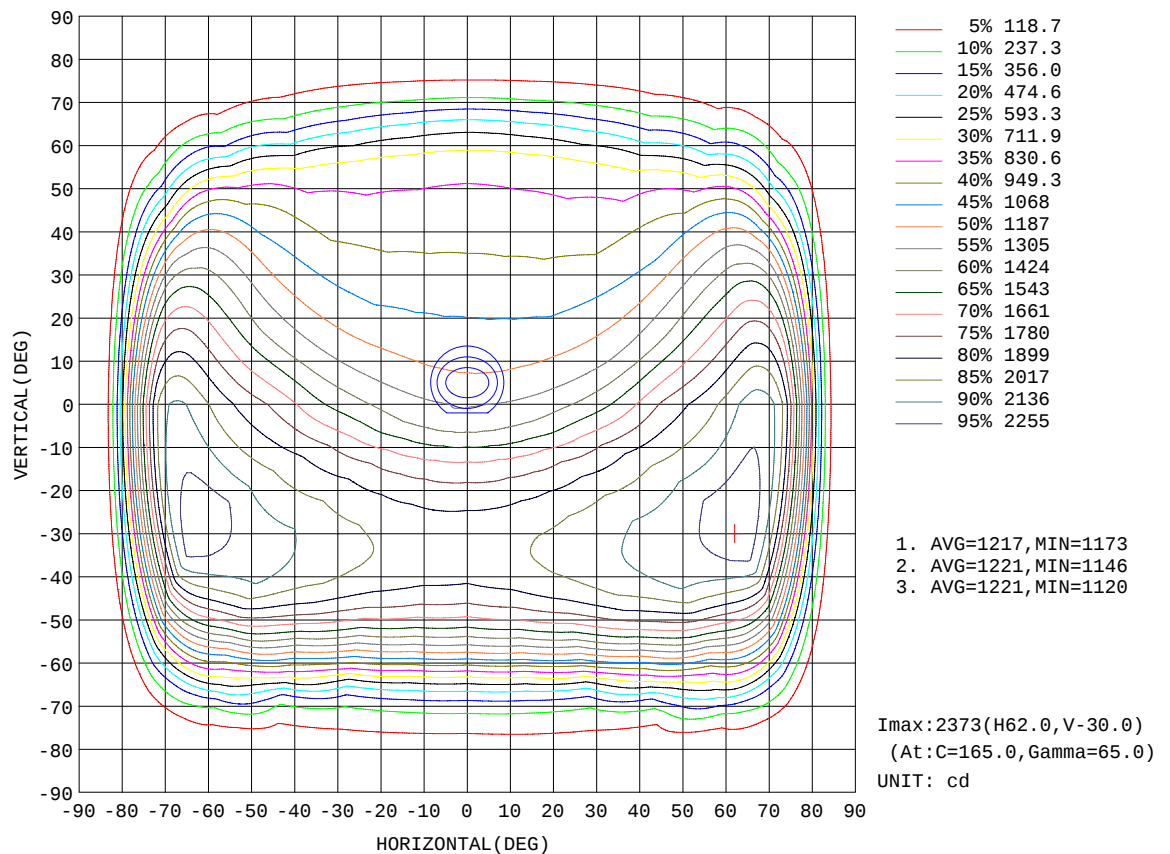
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	1311	1454	1547	1460	1318	1201	1156	1196	0- 10	125.0	125.0	1.96,1.96
20	1372	1737	1818	1738	1390	1137	1068	1125	10- 20	392.0	517.0	8.11,8.11
30	1480	1943	1959	1932	1493	1074	990.2	1056	20- 30	677.7	1195	18.7,18.7
40	1668	2084	1924	2056	1658	1005	910.4	986.5	30- 40	954.6	2149	33.7,33.7
50	1864	2091	1627	2049	1819	930.2	839.5	907.3	40- 50	1184	3333	52.3,52.3
60	2046	1750	988.1	1674	2006	799.7	682.5	780.6	50- 60	1292	4625	72.6,72.6
70	2162	833.2	295.9	767.4	2097	366.4	282.5	388.5	60- 70	1127	5753	90.3,90.3
80	779.1	91.65	49.39	86.82	563.7	60.55	43.78	66.03	70- 80	568.8	6321	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	52.58	6374	100,100
100	0	0	0	0	0	0	0	0	90-100	0	6374	100,100
110	0	0	0	0	0	0	0	0	100-110	0	6374	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6374	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6374	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6374	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6374	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6374	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6374	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6374	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:2023-06-09

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

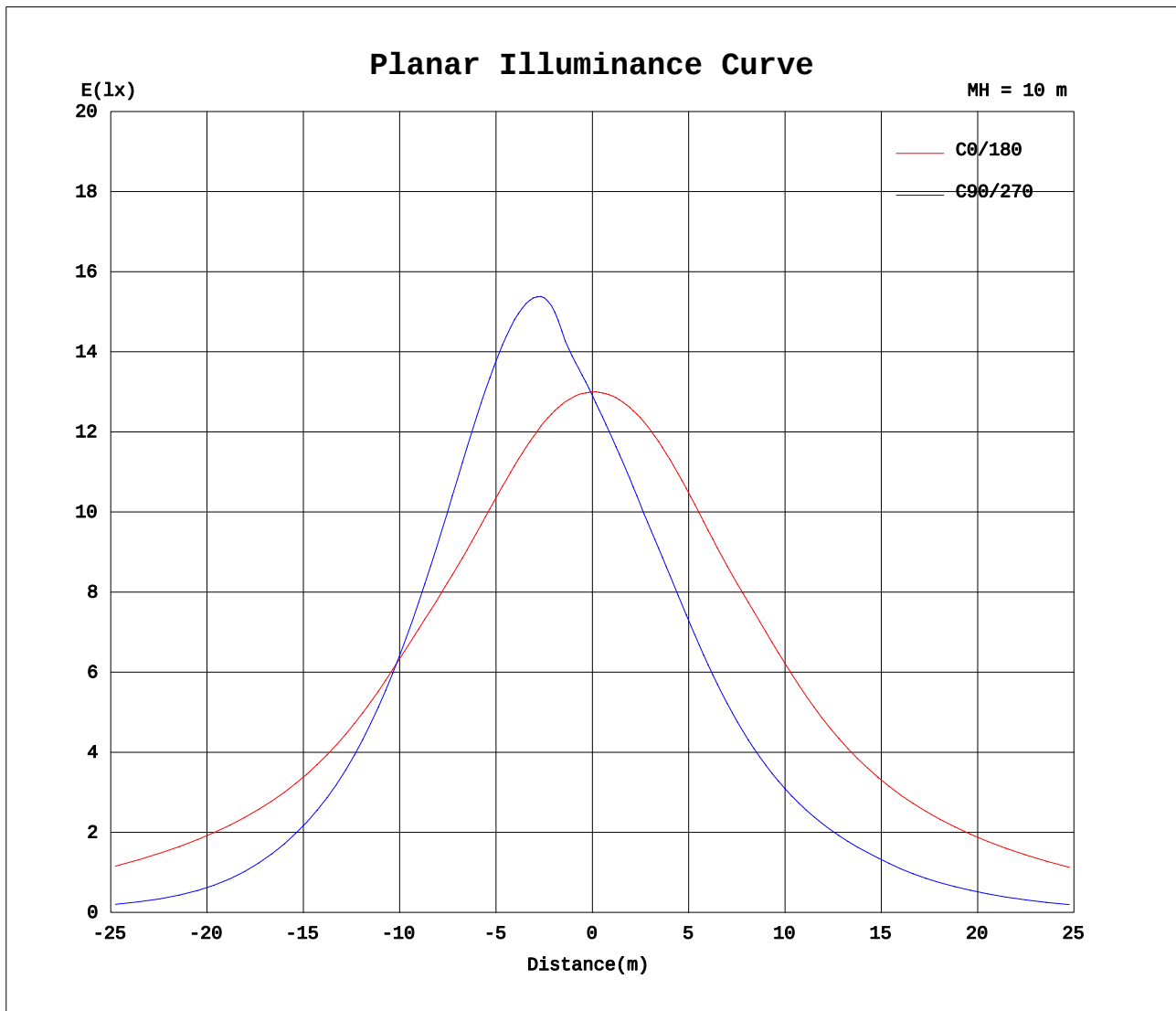
Test:U:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-40WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-09

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



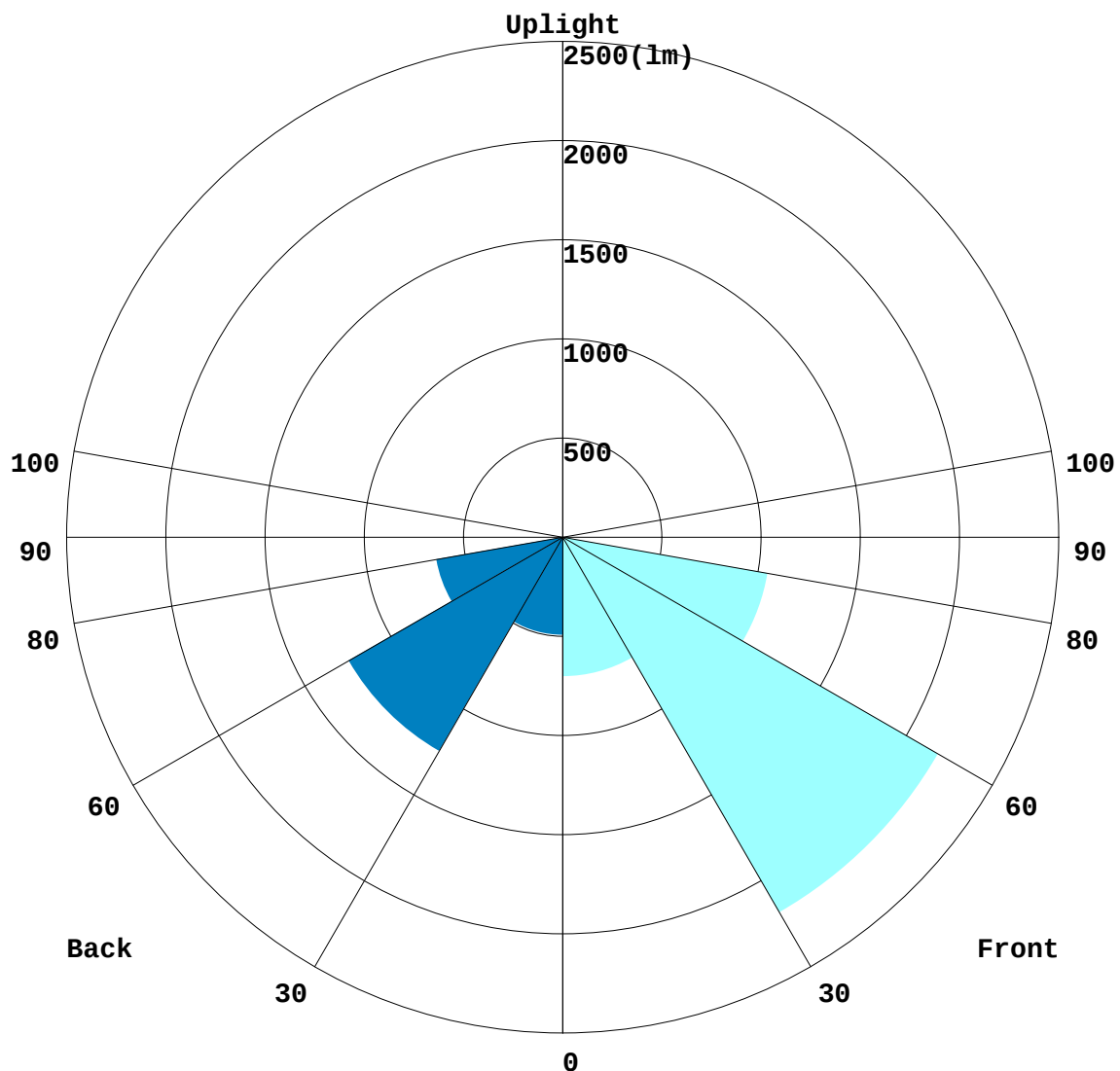
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-40WiLA-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:2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-40WiLA-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)	702.09	11.0
FM - Front-Medium(30-60)	2185.4	34.3
FH - Front-High(60-80)	1049.6	16.5
FVH - Front-Very High(80-90)	35.74	0.6
Total Forward Light	3972.8	62.3

BL - Back-Low(0-30)	492.56	7.7
BM - Back-Medium(30-60)	1245.4	19.5
BH - Back-High(60-80)	646.46	10.1
BVH - Back-Very High(80-90)	16.84	0.3
Total Back Light	2401.2	37.7

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2401.2	0	2401.2
Street Side	3972.8	0	3972.8

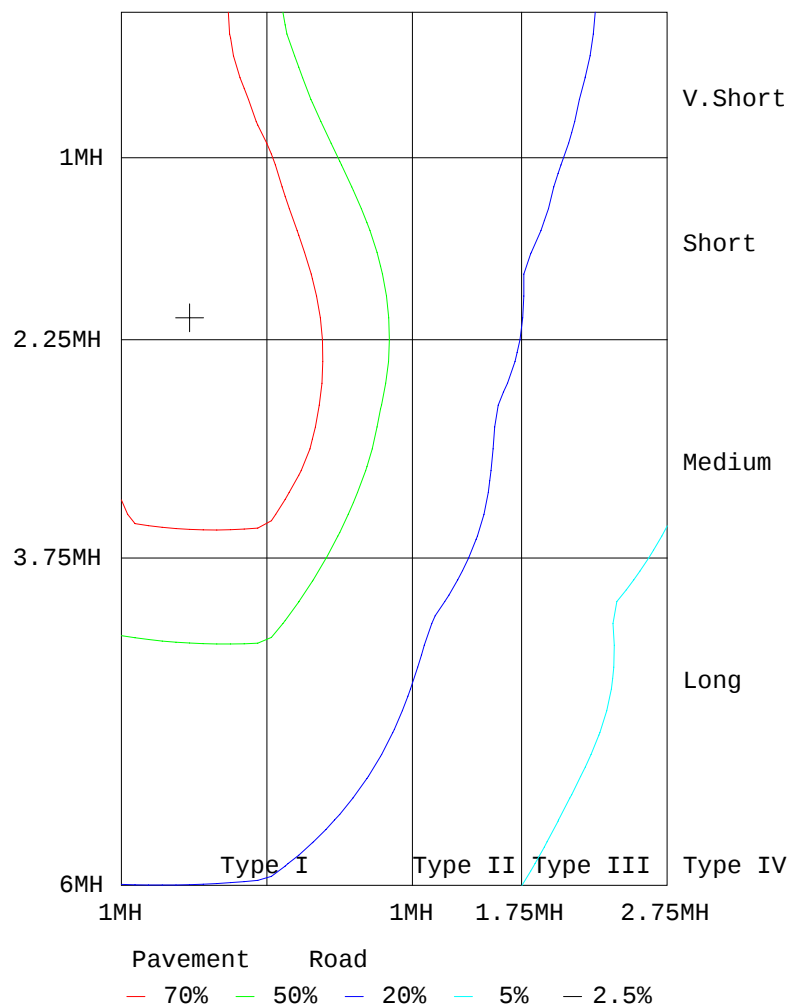
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-40WiLA-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:2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-40WiLA-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	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291	1291
5	1296	1318	1341	1359	1375	1385	1389	1385	1377	1363	1344	1322	1299	1277	1255	1239	1226	1218	1214
10	1311	1358	1408	1454	1503	1532	1547	1533	1505	1460	1415	1367	1318	1273	1233	1201	1177	1162	1156
15	1338	1413	1510	1605	1668	1695	1707	1697	1668	1607	1519	1427	1350	1279	1217	1169	1135	1114	1105
20	1372	1490	1643	1737	1789	1811	1818	1810	1787	1738	1649	1505	1390	1289	1203	1137	1095	1076	1068
25	1420	1601	1764	1847	1887	1902	1904	1898	1881	1843	1764	1613	1438	1303	1188	1106	1060	1039	1031
30	1480	1717	1871	1943	1968	1966	1959	1958	1953	1932	1867	1720	1493	1316	1170	1074	1023	1000	990
35	1562	1824	1966	2023	2020	1992	1967	1980	1999	2004	1955	1822	1562	1336	1155	1040	983	957	949
40	1668	1926	2047	2084	2031	1965	1924	1950	2005	2056	2032	1910	1658	1358	1142	1005	941	916	910
45	1781	2015	2119	2110	1992	1875	1815	1857	1956	2078	2104	1994	1746	1385	1129	969	898	878	875
50	1864	2101	2183	2091	1875	1704	1627	1683	1829	2049	2170	2082	1819	1416	1115	930	855	837	839
55	1945	2191	2218	1988	1647	1432	1353	1411	1588	1932	2209	2187	1901	1460	1092	879	800	788	794
60	2046	2289	2174	1750	1295	1073	988	1053	1237	1674	2161	2306	2006	1494	1046	800	712	675	683
65	2166	2361	1969	1337	850	637	578	620	788	1255	1930	2382	2118	1472	929	640	530	506	517
70	2162	2274	1499	833	383	323	296	314	364	767	1424	2262	2097	1275	658	366	301	278	283
75	1777	1794	864	307	171	161	152	153	166	254	804	1638	1559	731	276	153	135	124	122
80	779	807	310	91.7	74.6	59.7	49.4	57.8	70.2	86.8	229	617	564	166	71.3	60.6	60.6	46.0	43.8
85	81.8	82.0	33.5	16.3	15.1	11.6	9.36	10.8	13.1	12.7	24.1	42.3	31.7	12.9	11.8	9.64	11.5	8.88	9.19
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:2023-06-09

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:219.4V I:0.1844A P:40.00W PF:0.9886 Freq:60.01Hz Lamp Flux:6374x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-40WiLA-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	1291	1291	1291	1291	1291														
5	1217	1225	1237	1252	1272														
10	1160	1173	1196	1226	1264														
15	1111	1129	1160	1205	1265														
20	1073	1087	1125	1186	1270														
25	1036	1051	1090	1167	1279														
30	995	1013	1056	1148	1294														
35	954	972	1021	1131	1318														
40	914	931	987	1116	1350														
45	876	890	948	1102	1394														
50	839	848	907	1084	1442														
55	794	798	856	1057	1486														
60	683	718	781	1007	1510														
65	516	544	641	894	1494														
70	287	319	389	657	1343														
75	127	142	171	299	862														
80	46.9	62.4	66.0	86.2	246														
85	9.29	13.0	11.5	15.7	20.0														
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:2023-06-09

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: