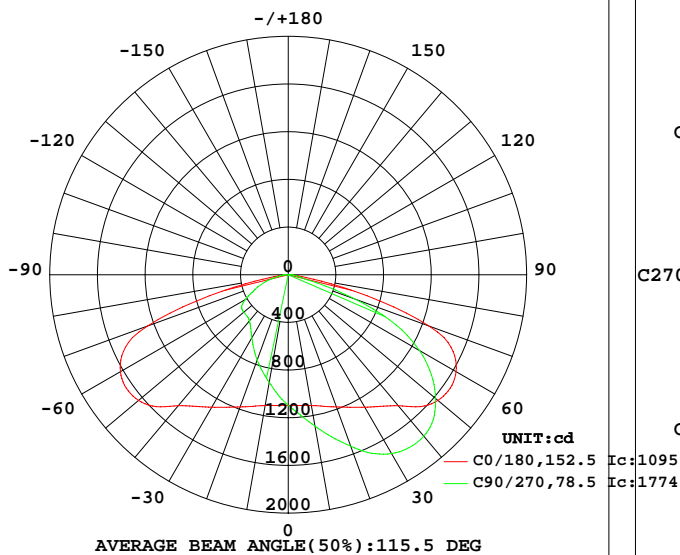
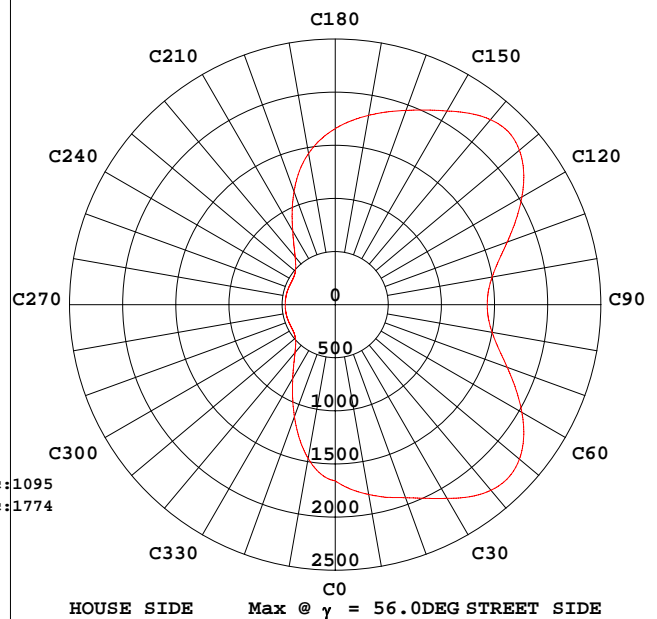


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 197.08 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	2304	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	69.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	5824	η house_up(%)	0.0
NOMINAL FLUX(lm)	5823.71	MAXIMUM @(C,γ )	45,56.0	η house_down(%)	30.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.238

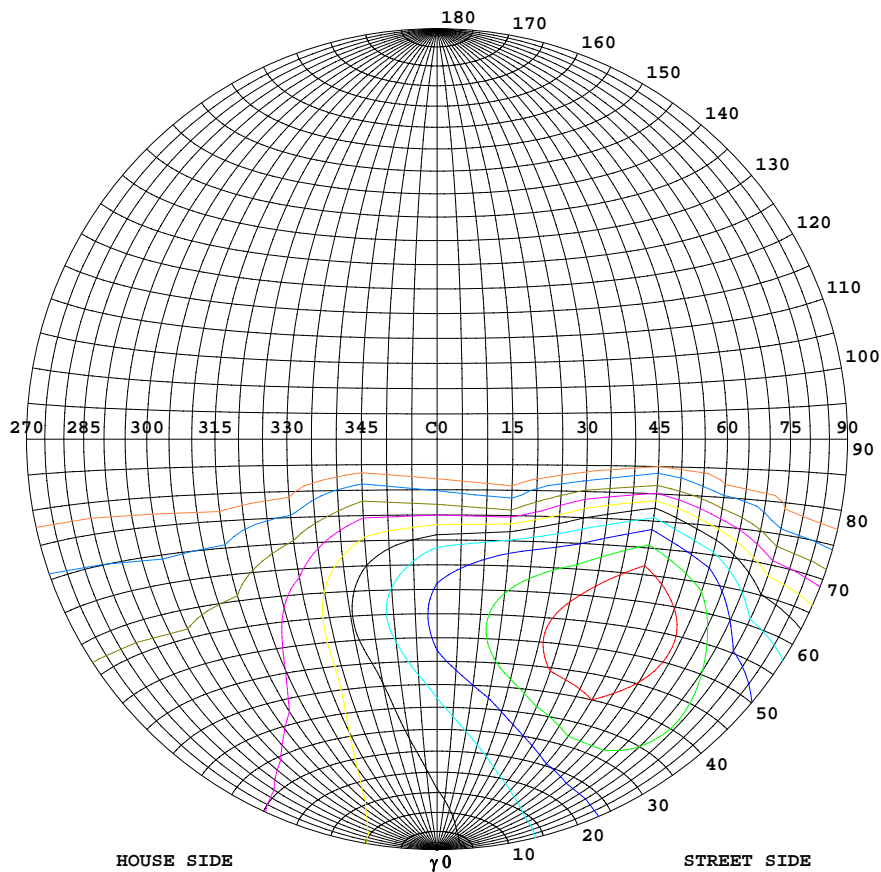
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



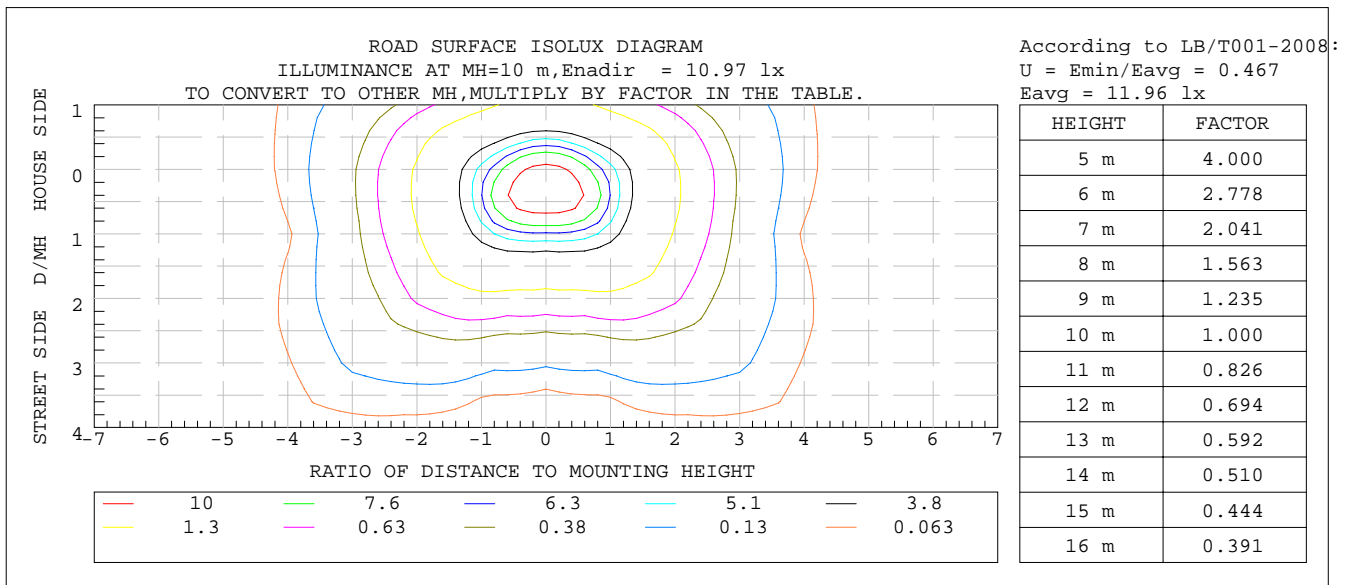
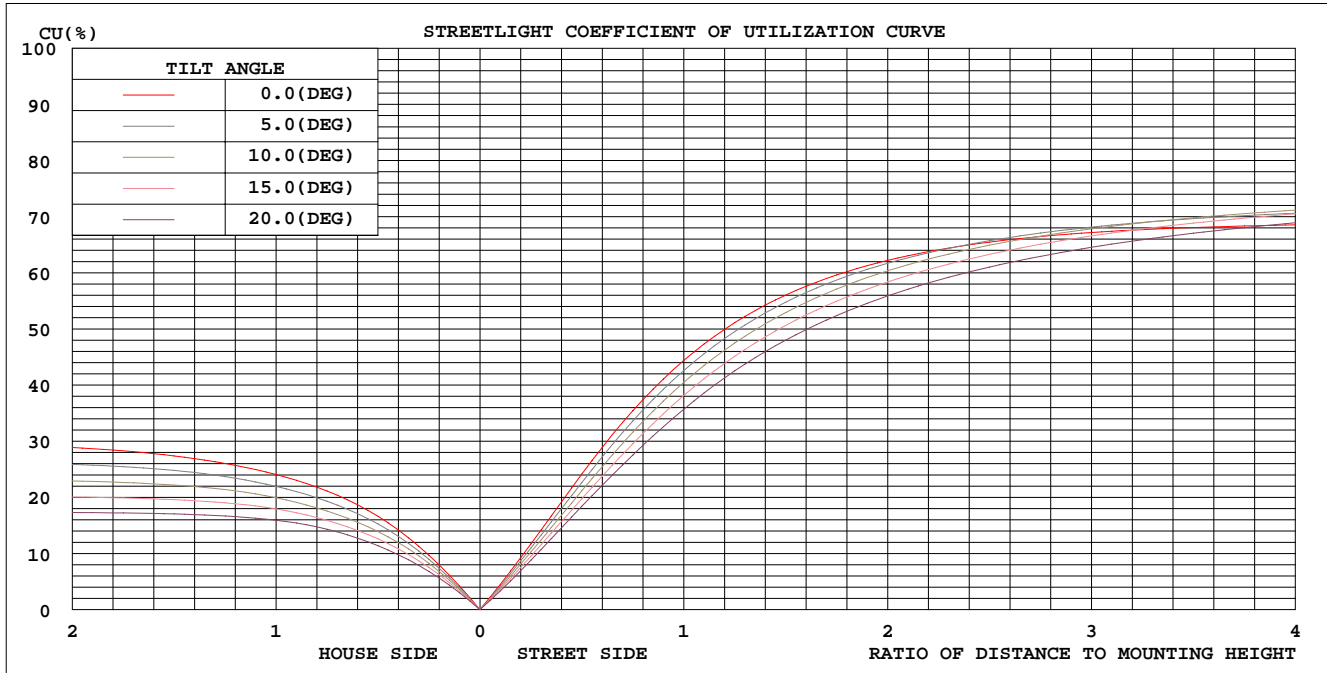
## Classification:

IES:Type IV - Short  
 CIE:Broad - Short  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:121.8cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:121.8cd/klm  
 NRB 5101:Semi limited[15.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2304
90%	2074
80%	1843
70%	1613
60%	1382
50%	1152
40%	922
30%	691
20%	461
10%	230
5%	115

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-08-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [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: 2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

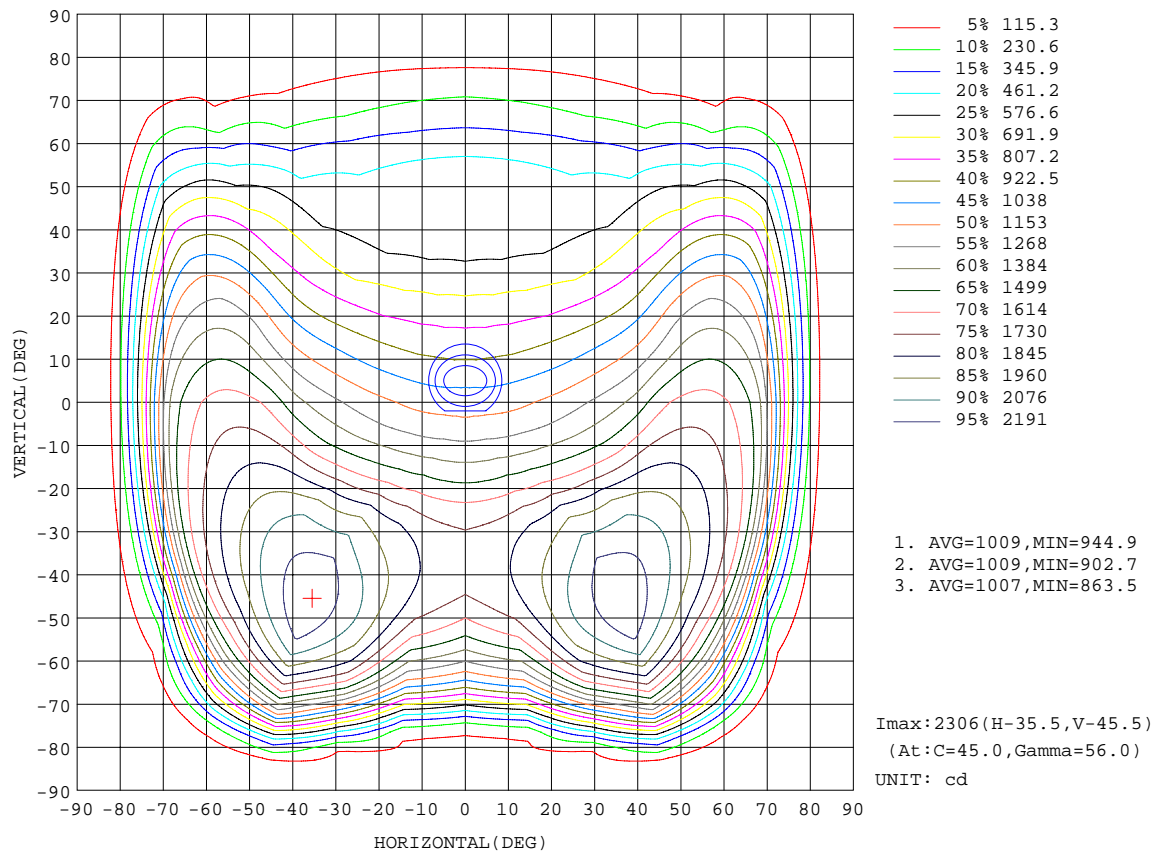
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1115	1239	1289	1239	1115	981.1	917.8	981.1	0- 10	105.2	105.2	1.81,1.81
20	1181	1458	1531	1458	1181	882.2	761.7	882.2	10- 20	322.7	427.8	7.35,7.35
30	1283	1766	1732	1766	1283	779.8	611.4	779.8	20- 30	559.1	987.0	16.9,16.9
40	1435	2072	1769	2072	1435	667.9	507.2	667.9	30- 40	808.2	1795	30.8,30.8
50	1640	2263	1613	2263	1640	583.4	487.9	583.4	40- 50	1049	2844	48.8,48.8
60	1626	2272	1270	2272	1626	477.2	416.1	477.2	50- 60	1204	4048	69.5,69.5
70	1253	1883	592.0	1883	1253	244.8	243.8	244.8	60- 70	1115	5163	88.6,88.6
80	216.9	709.3	89.74	709.3	216.9	76.45	78.75	76.45	70- 80	584.2	5747	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	76.82	5824	100,100
100	0	0	0	0	0	0	0	0	90-100	0	5824	100,100
110	0	0	0	0	0	0	0	0	100-110	0	5824	100,100
120	0	0	0	0	0	0	0	0	110-120	0	5824	100,100
130	0	0	0	0	0	0	0	0	120-130	0	5824	100,100
140	0	0	0	0	0	0	0	0	130-140	0	5824	100,100
150	0	0	0	0	0	0	0	0	140-150	0	5824	100,100
160	0	0	0	0	0	0	0	0	150-160	0	5824	100,100
170	0	0	0	0	0	0	0	0	160-170	0	5824	100,100
180	0	0	0	0	0	0	0	0	170-180	0	5824	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:2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

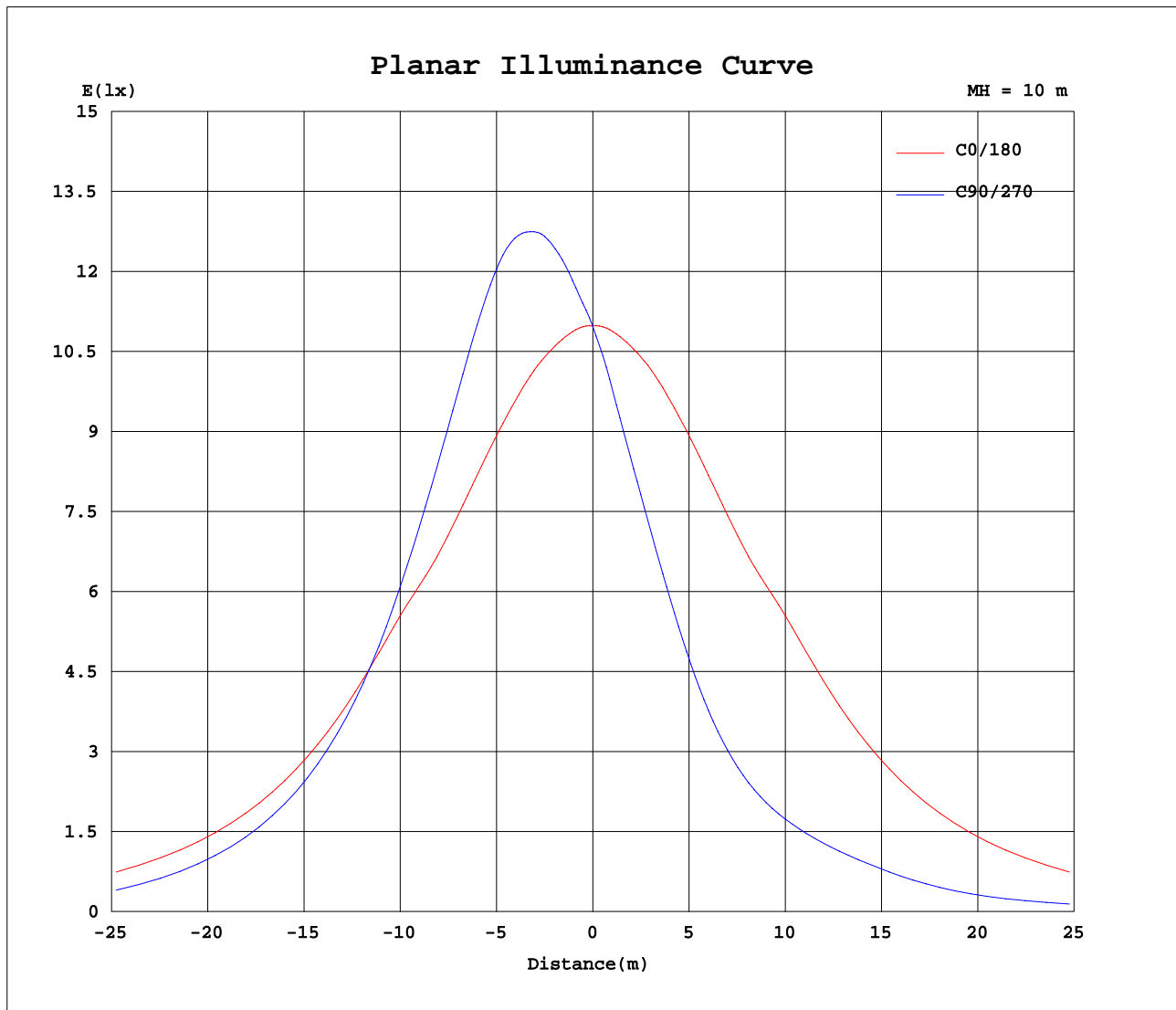
Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



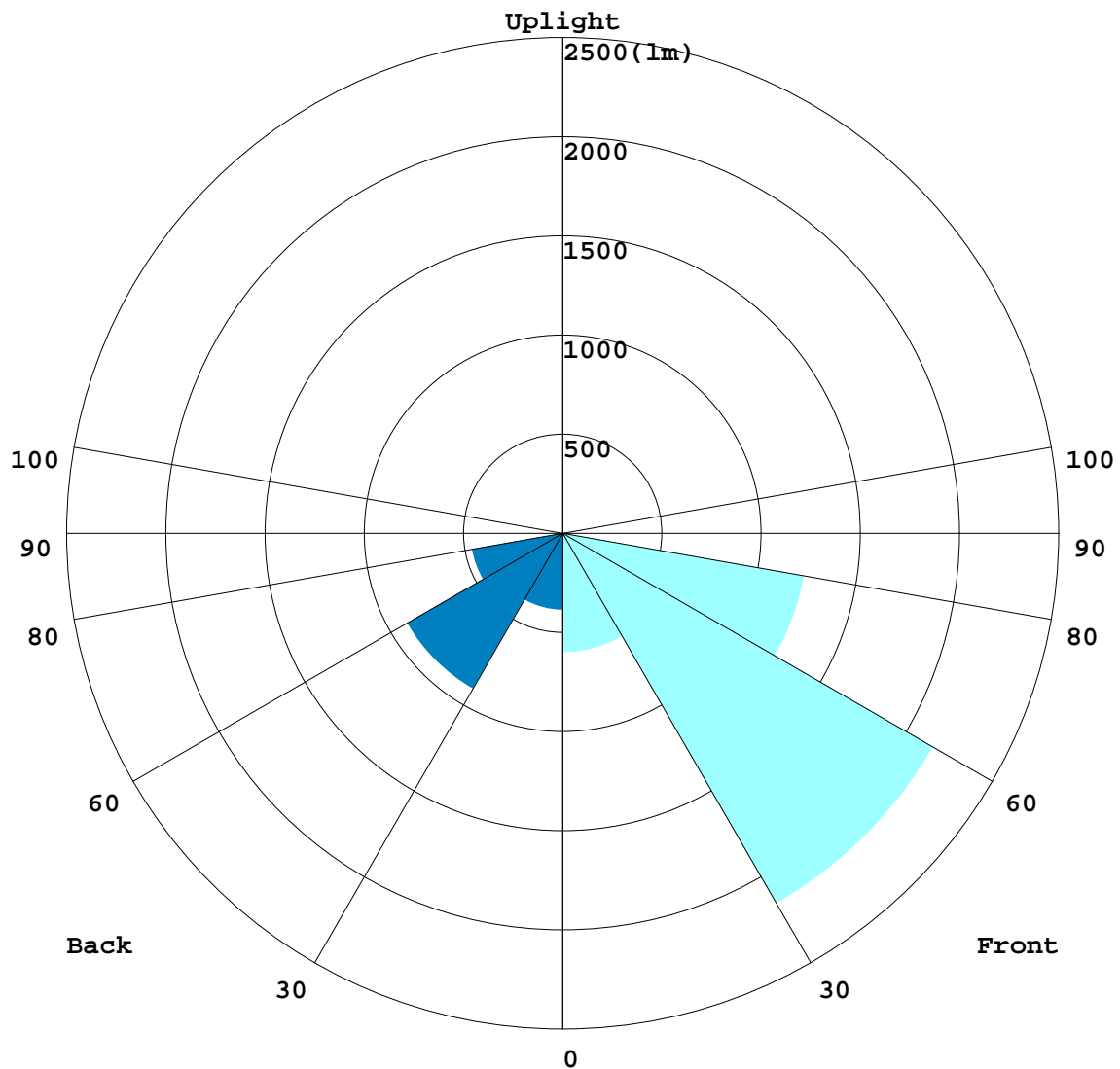
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.802m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	600.82	10.3
FM - Front-Medium(30-60)	2155.8	37.0
FH - Front-High(60-80)	1235.3	21.2
FVH - Front-Very High(80-90)	51.201	0.9
Total Forward Light	4043.1	69.4

BL - Back-Low(0-30)	386.17	6.6
BM - Back-Medium(30-60)	905.25	15.5
BH - Back-High(60-80)	463.62	8.0
BVH - Back-Very High(80-90)	25.62	0.4
Total Back Light	1780.7	30.6

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	1780.7	0	1780.7
Street Side	4043.1	0	4043.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-13

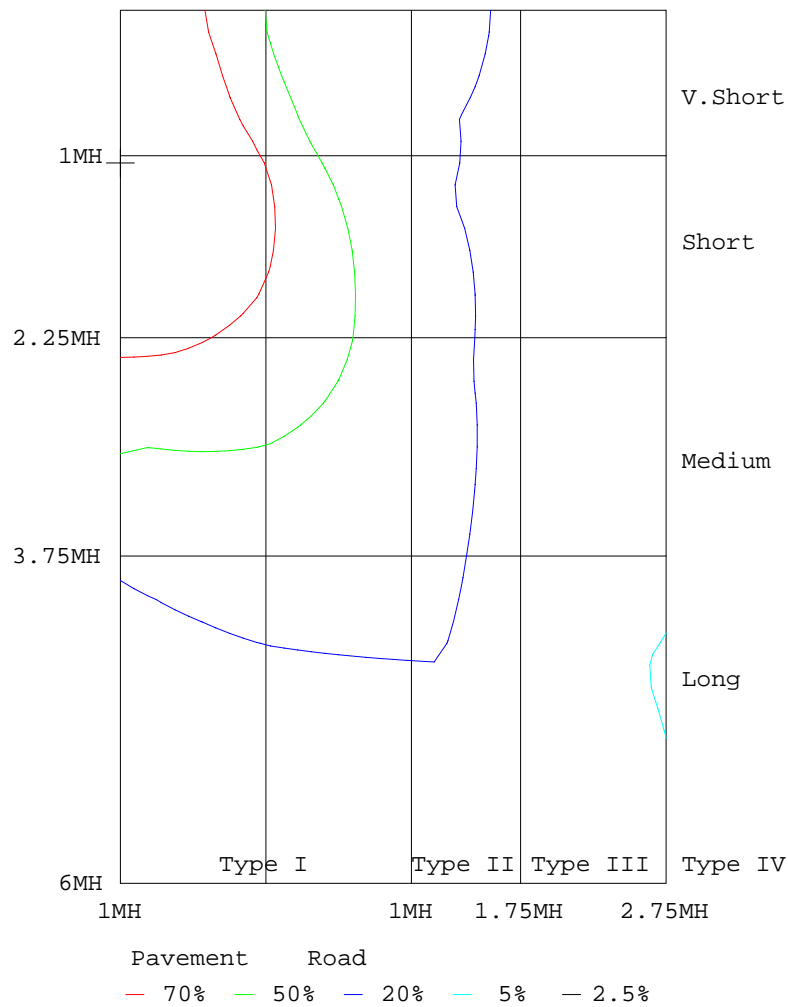
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-08-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	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	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095
5	1101	1122	1141	1159	1172	1180	1181	1180	1172	1159	1141	1122	1101	1079	1057	1038	1023	1012	1008
10	1115	1156	1199	1239	1269	1286	1289	1286	1269	1239	1199	1156	1115	1069	1023	981	948	926	918
15	1143	1206	1276	1337	1383	1405	1408	1405	1383	1337	1276	1206	1143	1071	996	931	882	850	839
20	1181	1270	1369	1458	1513	1530	1531	1530	1513	1458	1369	1270	1181	1078	972	882	817	777	762
25	1227	1347	1478	1597	1655	1659	1651	1659	1655	1597	1478	1347	1227	1089	950	833	751	702	685
30	1283	1435	1604	1766	1798	1760	1732	1760	1798	1766	1604	1435	1283	1106	928	780	683	629	611
35	1348	1541	1777	1949	1899	1813	1770	1813	1899	1949	1777	1541	1348	1125	900	721	616	566	550
40	1435	1696	1956	2072	1957	1833	1769	1833	1957	2072	1956	1696	1435	1151	870	668	563	520	507
45	1565	1832	2081	2171	2013	1816	1721	1816	2013	2171	2081	1832	1565	1199	848	623	528	500	490
50	1640	1888	2134	2263	2043	1754	1613	1754	2043	2263	2134	1888	1640	1271	832	583	502	491	488
55	1659	1885	2116	2304	2037	1625	1468	1625	2037	2304	2116	1885	1659	1306	809	539	473	476	478
60	1626	1830	2036	2272	1956	1428	1270	1428	1956	2272	2036	1830	1626	1272	756	477	425	417	416
65	1527	1712	1874	2144	1768	1162	999	1162	1768	2144	1874	1712	1527	1160	651	384	323	313	321
70	1253	1396	1602	1883	1424	761	592	761	1424	1883	1602	1396	1253	963	482	245	216	232	244
75	684	634	1136	1452	858	294	183	294	858	1452	1136	634	684	663	253	141	142	157	166
80	217	142	490	709	258	110	89.7	110	258	709	490	142	217	313	94.2	76.4	77.3	81.9	78.7
85	32.6	30.2	55.4	116	74.3	56.4	46.1	56.4	74.3	116	55.4	30.2	32.6	46.4	26.7	29.0	37.1	41.1	42.0
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:2020-08-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.802m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:42.83V I:0.6900A P:29.55W PF:1.000 Freq:0Hz Lamp Flux:5823.71x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-30WSE-DC-L5-00-5070-T402-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	1095	1095	1095	1095	1095														
5	1012	1023	1038	1057	1079														
10	926	948	981	1023	1069														
15	850	882	931	996	1071														
20	777	817	882	972	1078														
25	702	751	833	950	1089														
30	629	683	780	928	1106														
35	566	616	721	900	1125														
40	520	563	668	870	1151														
45	500	528	623	848	1199														
50	491	502	583	832	1271														
55	476	473	539	809	1306														
60	417	425	477	756	1272														
65	313	323	384	651	1160														
70	232	216	245	482	963														
75	157	142	141	253	663														
80	81.9	77.3	76.4	94.2	313														
85	41.1	37.1	29.0	26.7	46.4														
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:2020-08-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.802m [K=1.0000]  
 Remarks: