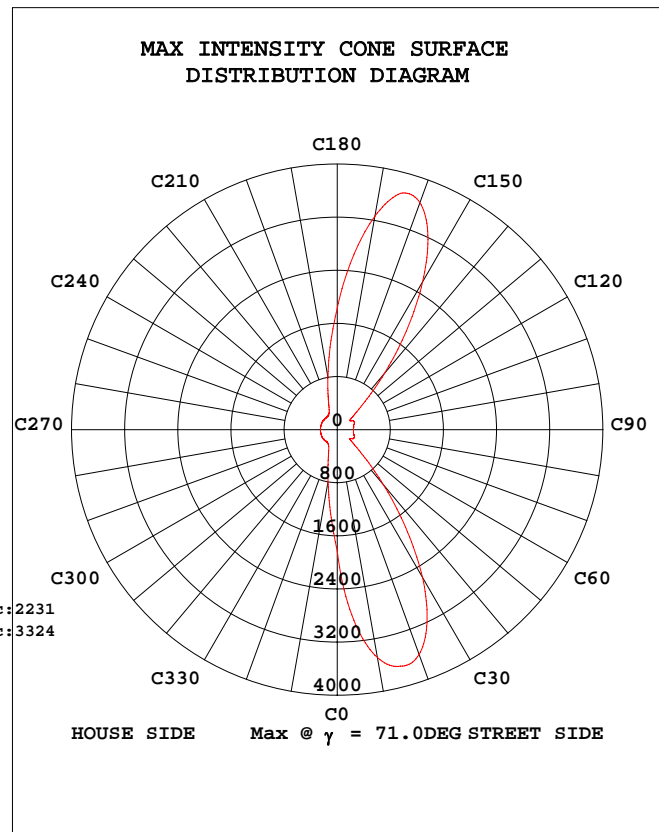
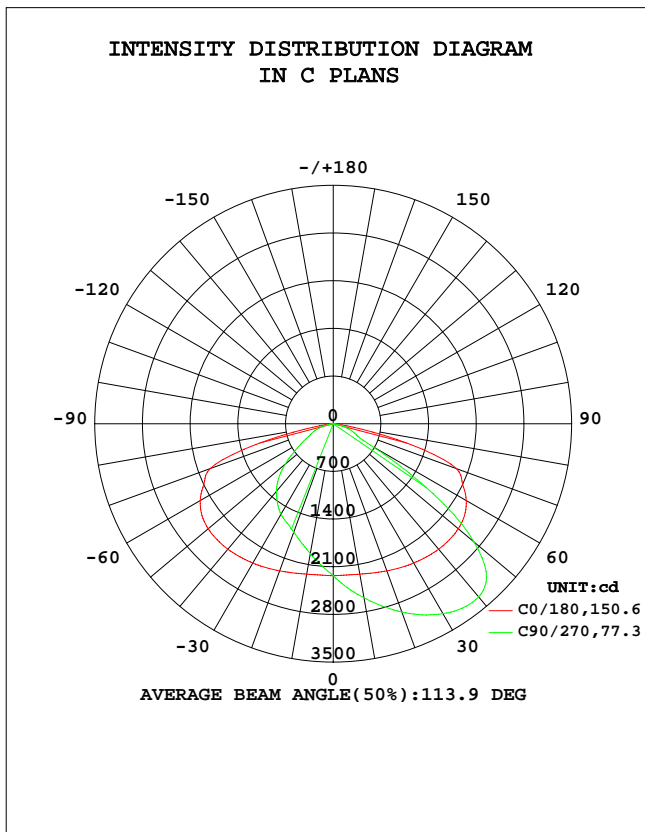


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.35 lm/W			
MODEL	3030	I _{max} (cd)	3686	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	68.0
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	8930	η house_up(%)	0.0
NOMINAL FLUX(lm)	8930.26	MAXIMUM @(C,γ)	15,71.0	η house_down(%)	32.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.720

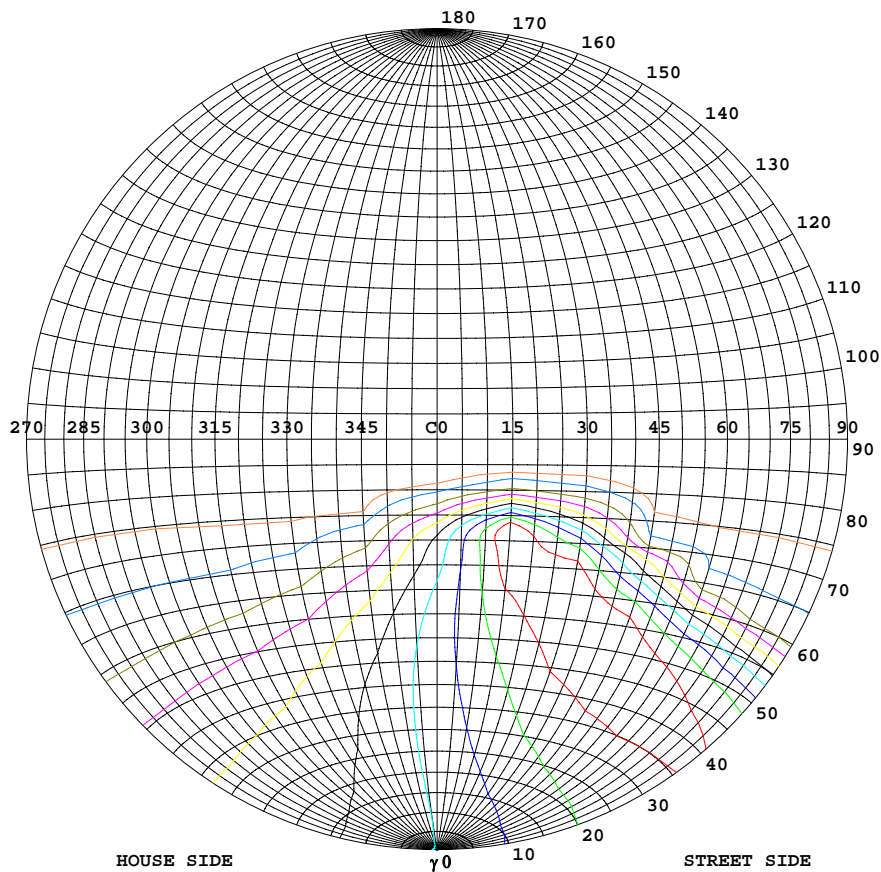


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



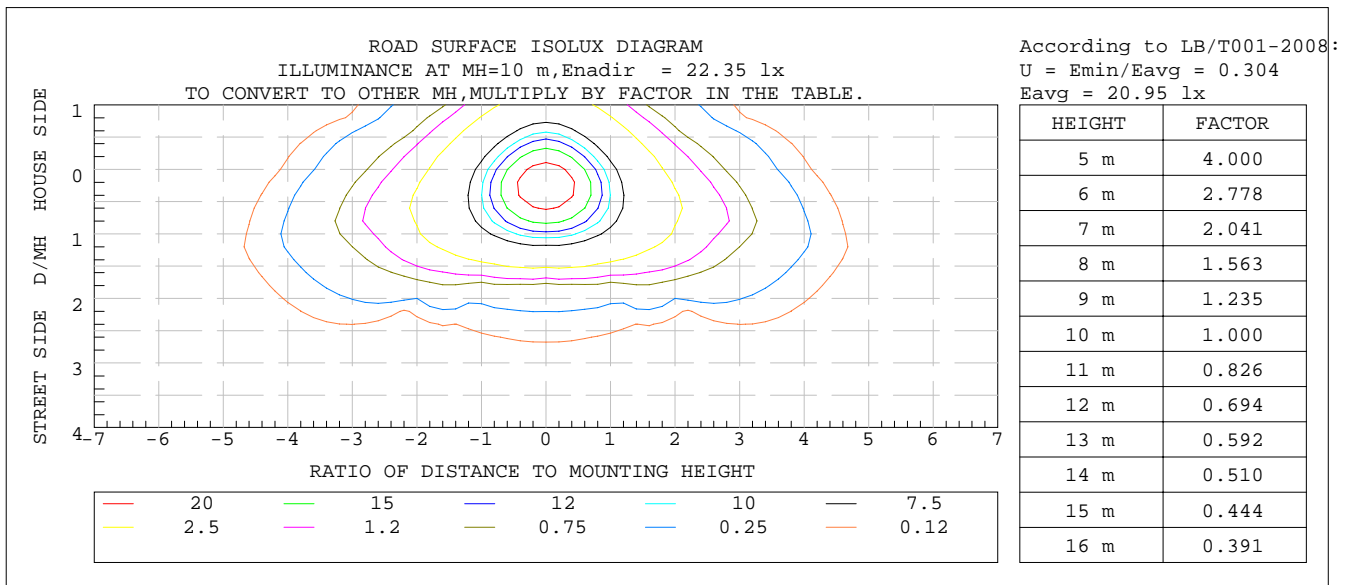
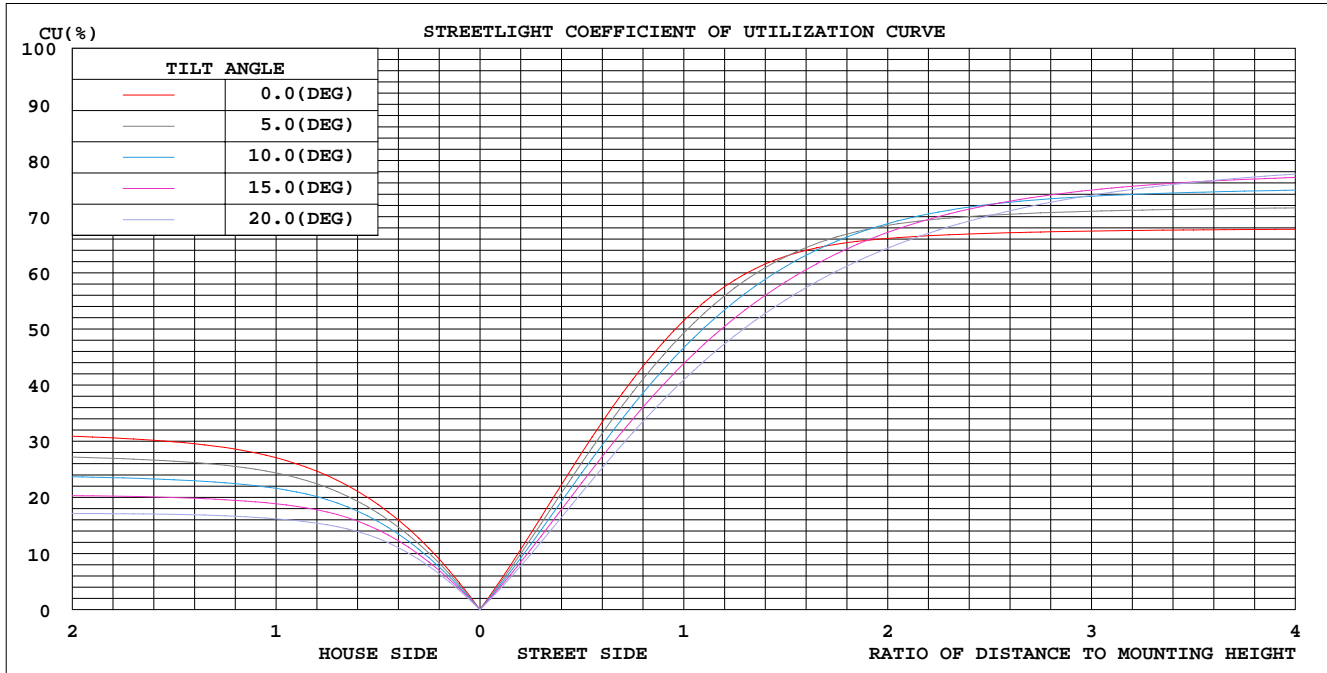
Classification:

IES:Type II - Medium
CIE:Average - Long
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:92.63cd/klm
Max.At90:0cd/klm
Max.80-90:92.63cd/klm
NRB 5101:Limited[6.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3686
90%	3317
80%	2949
70%	2580
60%	2211
50%	1843
40%	1474
30%	1106
20%	737
10%	369
5%	184

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [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: 2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

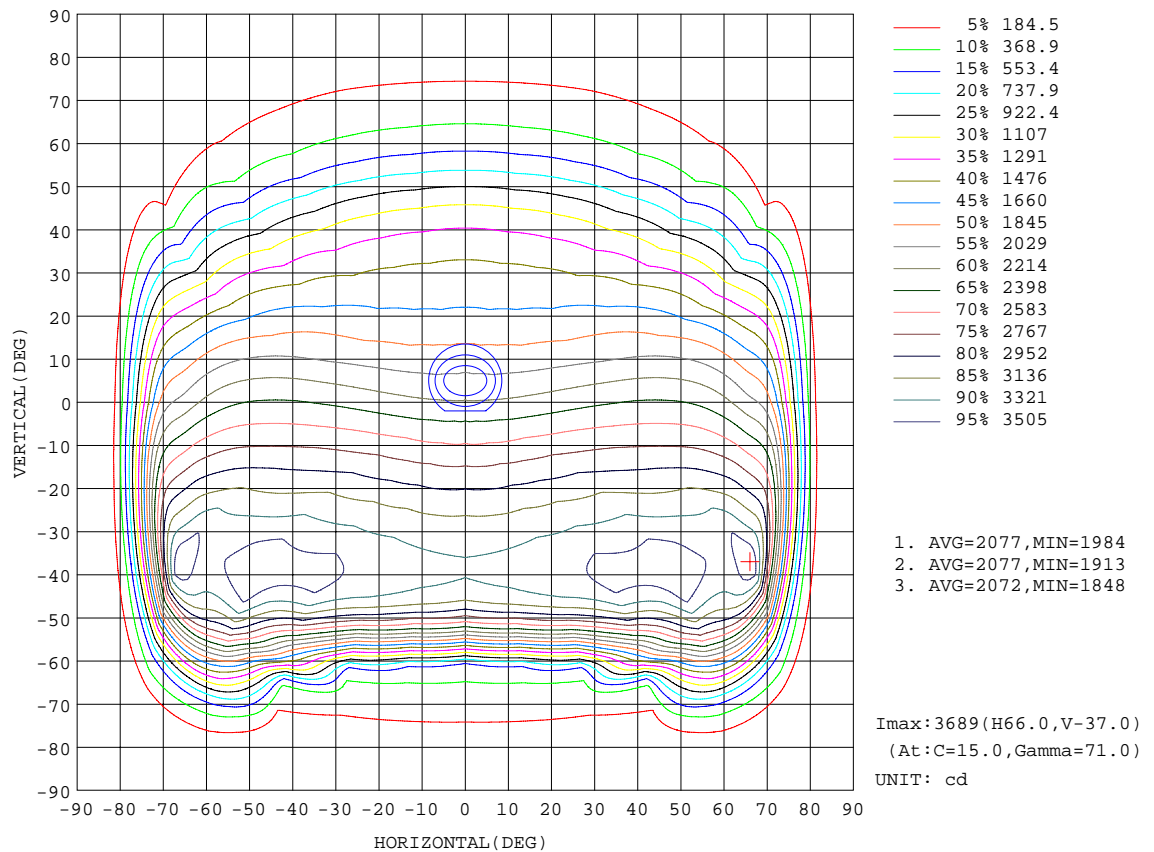
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2242	2501	2592	2501	2242	2016	1937	2016	0- 10	214.3	214.3	2.4,2.4
20	2298	2801	2941	2801	2298	1822	1696	1822	10- 20	647.6	861.9	9.65,9.65
30	2361	3104	3219	3104	2361	1657	1534	1657	20- 30	1085	1947	21.8,21.8
40	2406	3377	3320	3377	2406	1443	1298	1443	30- 40	1499	3447	38.6,38.6
50	2398	3572	2697	3572	2398	1115	919.9	1115	40- 50	1802	5249	58.8,58.8
60	2255	2925	633.9	2925	2255	608.8	491.9	608.8	50- 60	1742	6991	78.3,78.3
70	1920	836.3	265.4	836.3	1920	267.1	275.1	267.1	60- 70	1254	8244	92.3,92.3
80	307.2	102.2	64.26	102.2	307.2	74.95	63.80	74.95	70- 80	629.2	8874	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	56.65	8930	100,100
100	0	0	0	0	0	0	0	0	90-100	0	8930	100,100
110	0	0	0	0	0	0	0	0	100-110	0	8930	100,100
120	0	0	0	0	0	0	0	0	110-120	0	8930	100,100
130	0	0	0	0	0	0	0	0	120-130	0	8930	100,100
140	0	0	0	0	0	0	0	0	130-140	0	8930	100,100
150	0	0	0	0	0	0	0	0	140-150	0	8930	100,100
160	0	0	0	0	0	0	0	0	150-160	0	8930	100,100
170	0	0	0	0	0	0	0	0	160-170	0	8930	100,100
180	0	0	0	0	0	0	0	0	170-180	0	8930	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:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

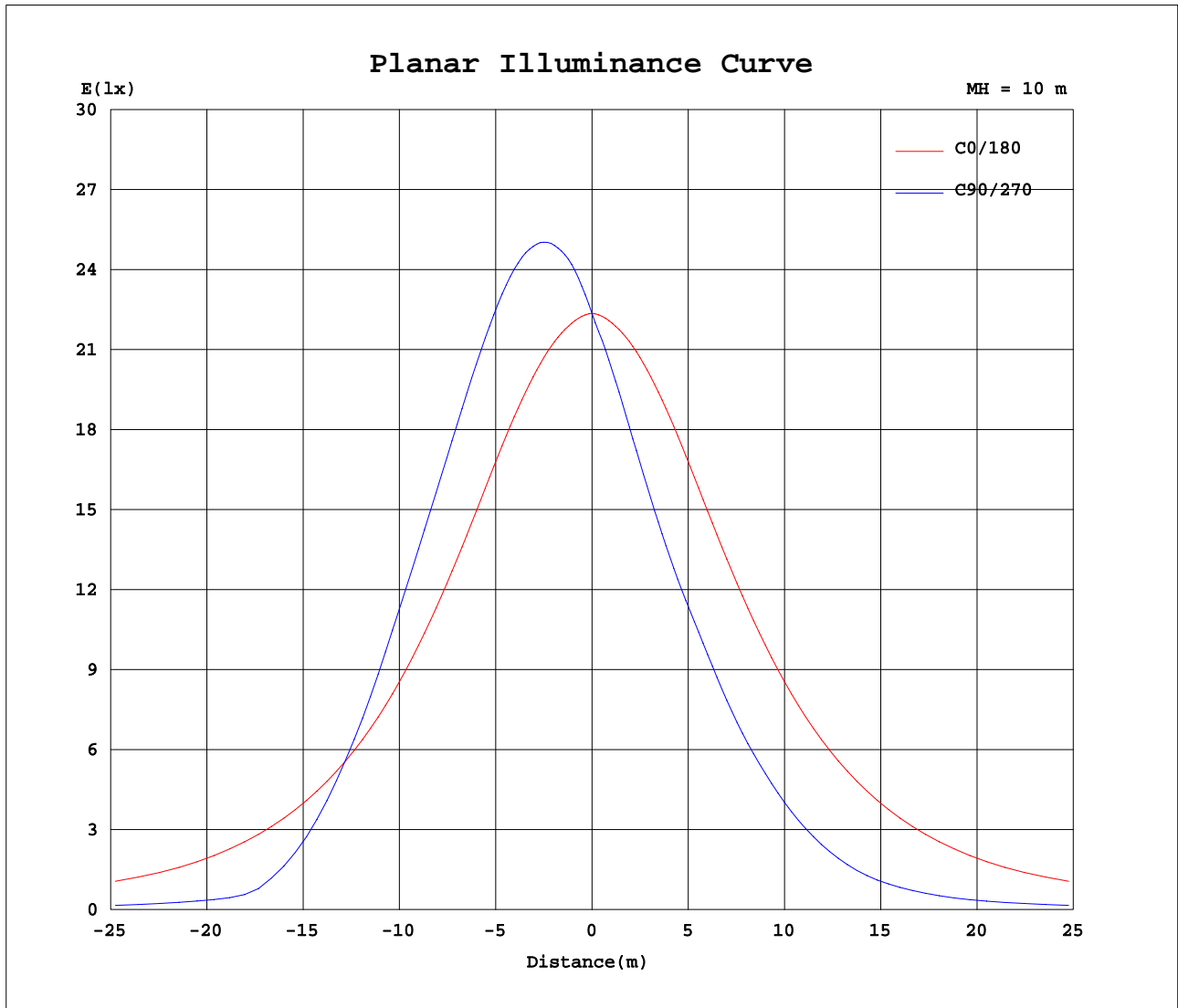
Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



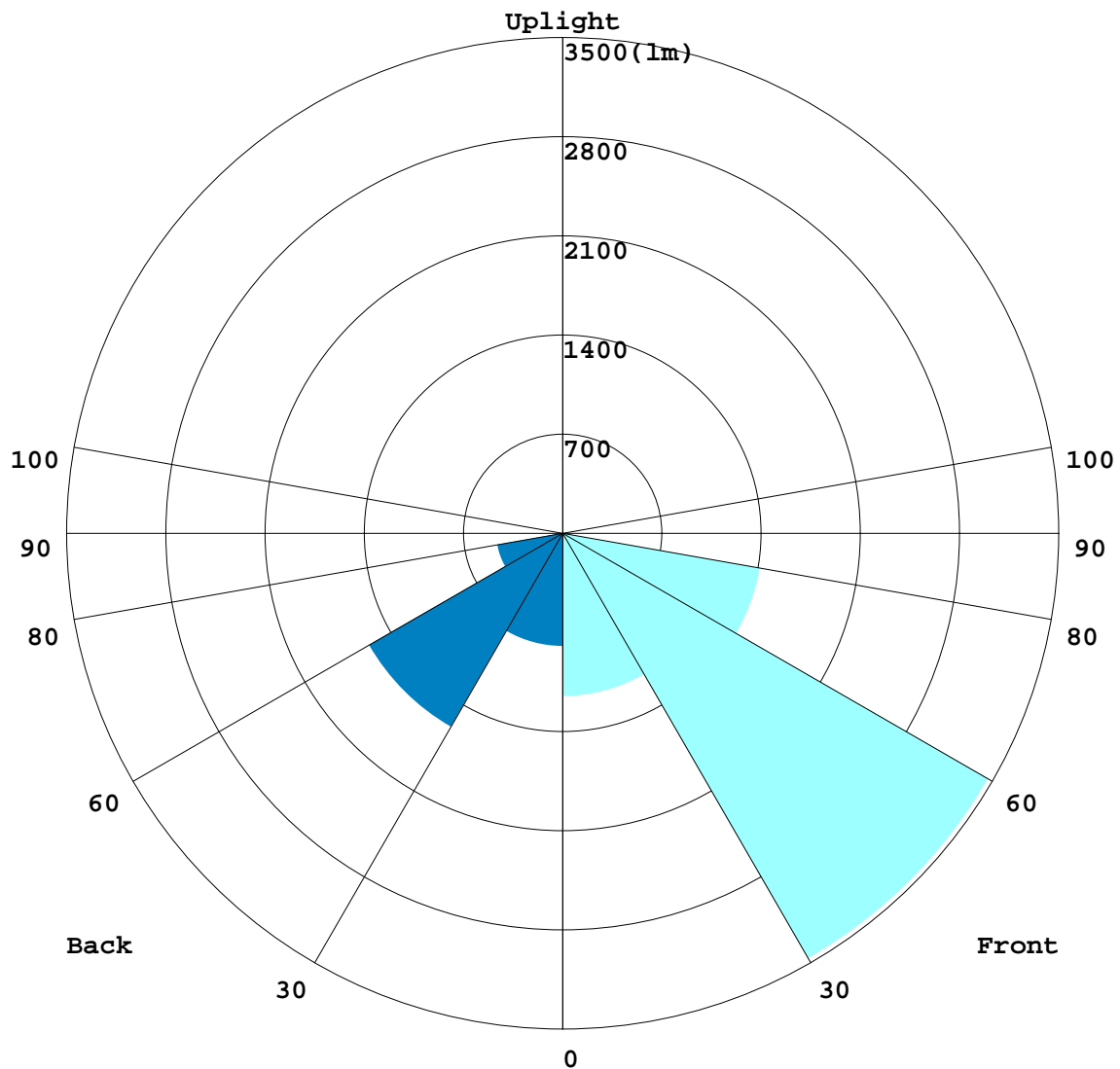
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1150.4	12.9
FM - Front-Medium(30-60)	3465.7	38.8
FH - Front-High(60-80)	1414.5	15.8
FVH - Front-Very High(80-90)	41.101	0.5
Total Forward Light	6071.6	68.0

BL - Back-Low(0-30)	796.98	8.9
BM - Back-Medium(30-60)	1577.9	17.7
BH - Back-High(60-80)	468.23	5.2
BVH - Back-Very High(80-90)	15.552	0.2
Total Back Light	2858.6	32.0

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2858.6	0	2858.6
Street Side	6071.6	0	6071.6

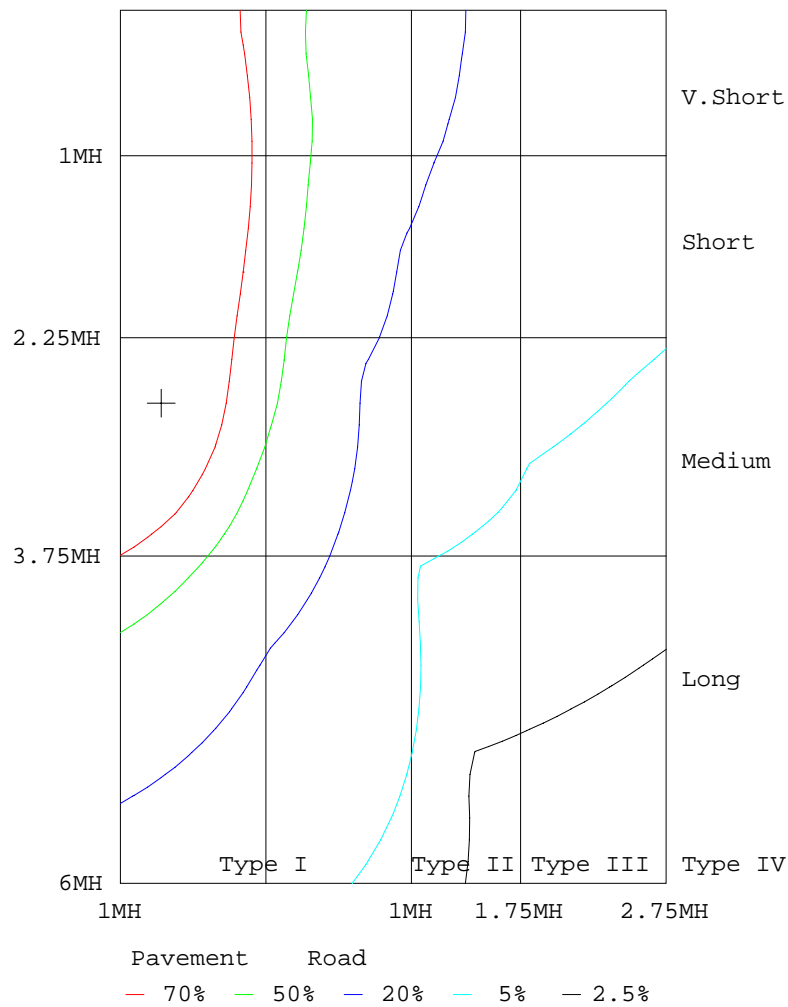
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	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	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231
5	2229	2277	2323	2361	2391	2410	2418	2410	2391	2361	2323	2277	2229	2186	2150	2120	2097	2084	2080
10	2242	2339	2430	2501	2549	2580	2592	2580	2549	2501	2430	2339	2242	2156	2080	2016	1969	1943	1937
15	2267	2416	2548	2645	2714	2755	2770	2755	2714	2645	2548	2416	2267	2133	2013	1914	1850	1816	1808
20	2298	2501	2674	2801	2878	2925	2941	2925	2878	2801	2674	2501	2298	2111	1945	1822	1743	1704	1696
25	2332	2586	2799	2953	3041	3081	3095	3081	3041	2953	2799	2586	2332	2086	1876	1733	1652	1615	1607
30	2361	2671	2931	3104	3185	3212	3219	3212	3185	3104	2931	2671	2361	2057	1808	1657	1574	1541	1534
35	2386	2751	3063	3244	3309	3317	3304	3317	3309	3244	3063	2751	2386	2019	1736	1565	1477	1435	1425
40	2406	2831	3197	3377	3408	3364	3320	3364	3408	3377	3197	2831	2406	1969	1645	1443	1350	1307	1298
45	2411	2917	3328	3506	3434	3291	3182	3291	3434	3506	3328	2917	2411	1893	1510	1296	1203	1148	1135
50	2398	3021	3464	3572	3268	2917	2697	2917	3268	3572	3464	3021	2398	1776	1331	1115	1003	935	920
55	2352	3150	3612	3455	2685	2102	1792	2102	2685	3455	3612	3150	2352	1607	1110	877	758	690	677
60	2255	3300	3651	2925	1636	951	634	951	1636	2925	3651	3300	2255	1367	833	609	532	495	492
65	2096	3479	3461	1968	521	390	364	390	521	1968	3461	3479	2096	1033	526	397	371	361	361
70	1920	3659	2770	836	304	277	265	277	304	836	2770	3659	1920	614	294	267	275	273	275
75	1173	2822	1568	236	178	172	166	172	178	236	1568	2822	1173	228	169	168	176	173	171
80	307	827	504	102	78.6	71.6	64.3	71.6	78.6	102	504	827	307	81.4	77.9	75.0	84.1	65.3	63.8
85	25.3	60.7	89.3	25.4	18.0	15.9	14.0	15.9	18.0	25.4	89.3	60.7	25.3	21.9	19.3	15.8	18.5	15.5	15.0
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:2020-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.2772A P:59.00W PF:0.9709 Freq:49.99Hz Lamp Flux:8930.26x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-60WiL02-NV-L3-00-5070-T221-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2231	2231	2231	2231	2231														
5	2084	2097	2120	2150	2186														
10	1943	1969	2016	2080	2156														
15	1816	1850	1914	2013	2133														
20	1704	1743	1822	1945	2111														
25	1615	1652	1733	1876	2086														
30	1541	1574	1657	1808	2057														
35	1435	1477	1565	1736	2019														
40	1307	1350	1443	1645	1969														
45	1148	1203	1296	1510	1893														
50	935	1003	1115	1331	1776														
55	690	758	877	1110	1607														
60	495	532	609	833	1367														
65	361	371	397	526	1033														
70	273	275	267	294	614														
75	173	176	168	169	228														
80	65.3	84.1	75.0	77.9	81.4														
85	15.5	18.5	15.8	19.3	21.9														
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:2020-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks: