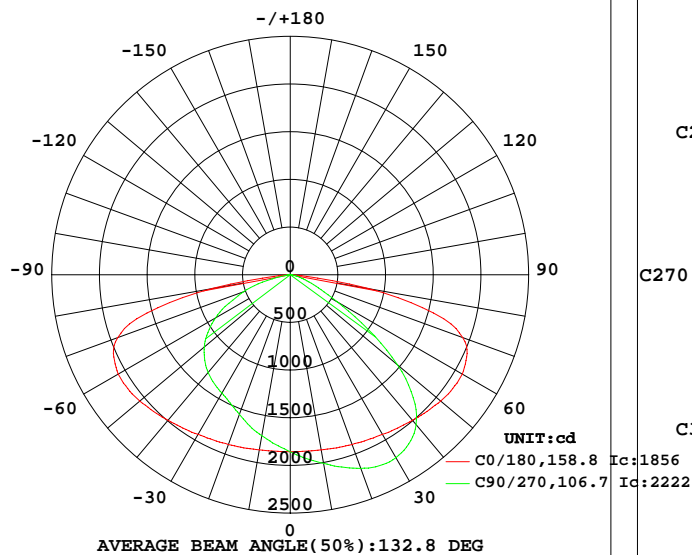
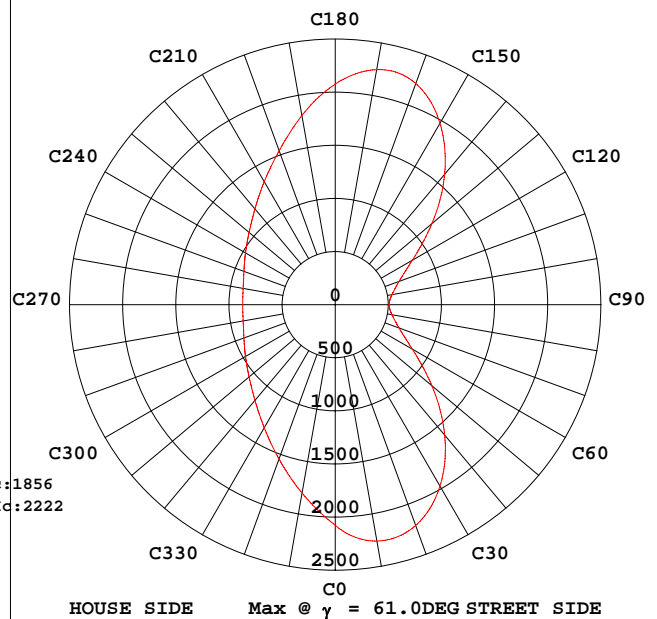


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.22 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2262	η street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.0	η street_down(%)	54.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	7325	η house_up(%)	0.0
NOMINAL FLUX(lm)	7324.64	MAXIMUM @(C,γ )	165,61.0	η house_down(%)	45.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.294

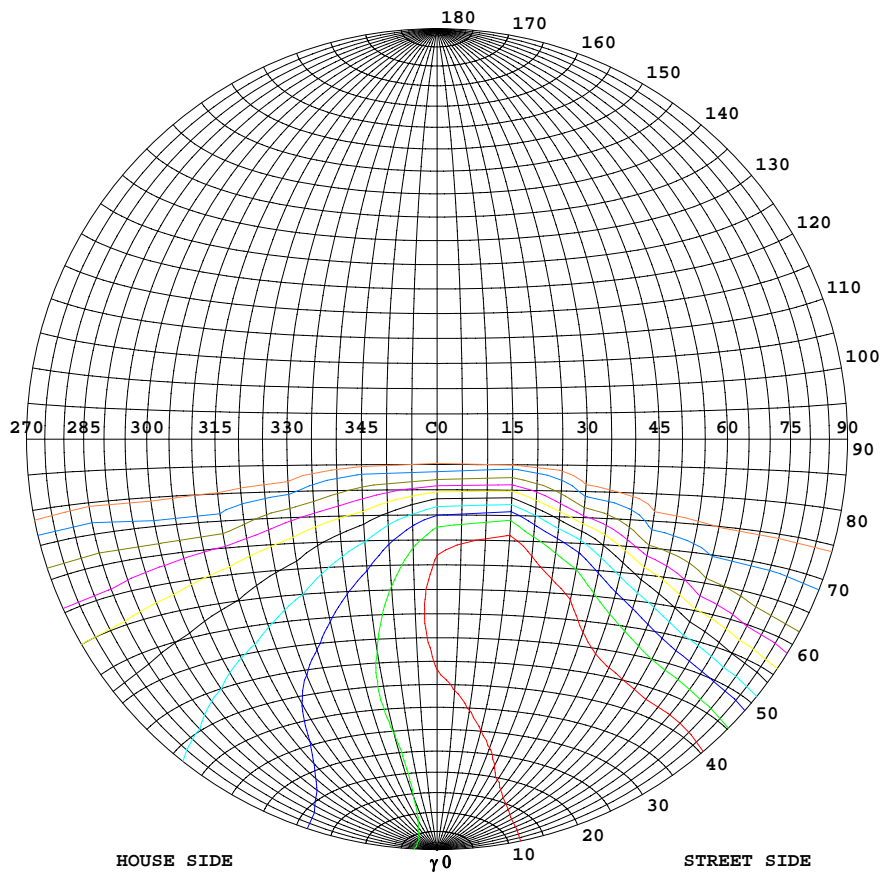
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-11

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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



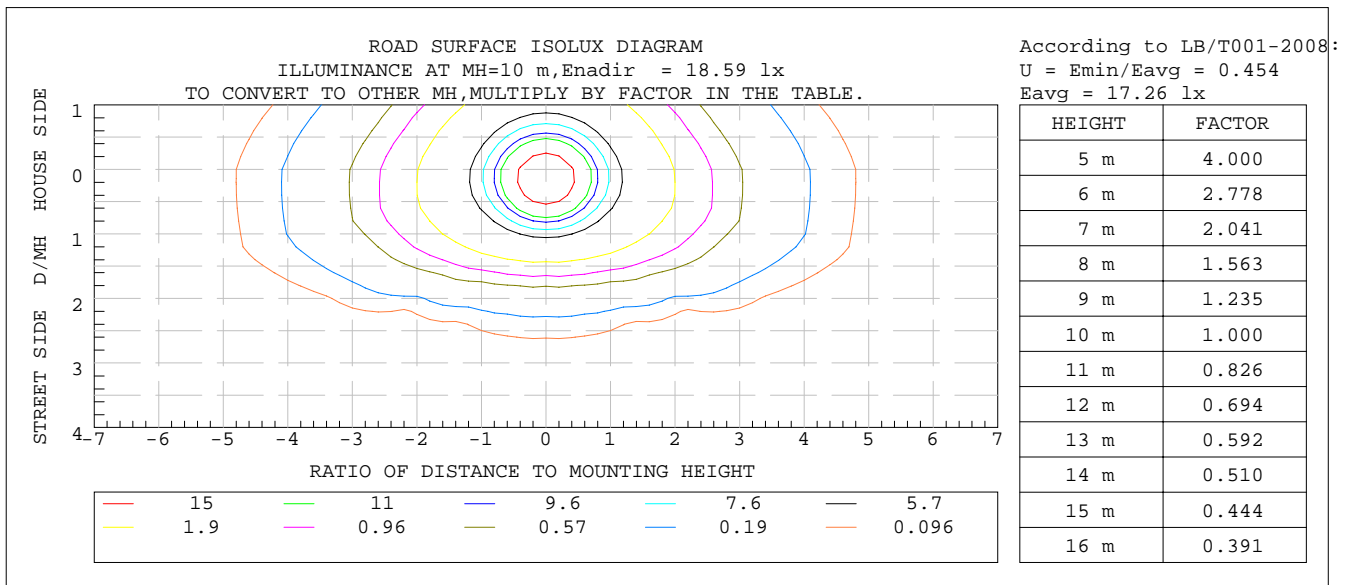
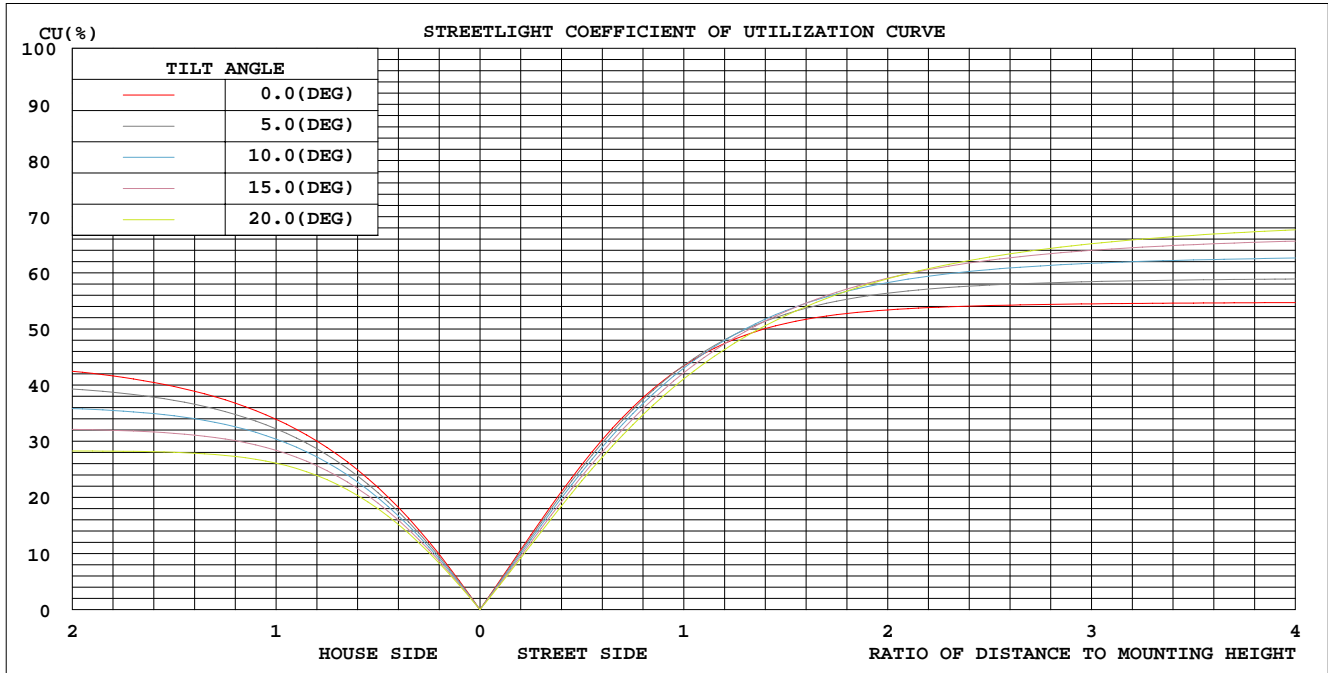
## Classification:

IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Semi cut-off  
 CIE:Non-cut-off  
 Max.At80:118.7cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:118.7cd/klm  
 NRB 5101:Semi limited[20.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	2262
90%	2036
80%	1809
70%	1583
60%	1357
50%	1131
40%	905
30%	679
20%	452
10%	226
5%	113

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-04-11

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: 2020-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

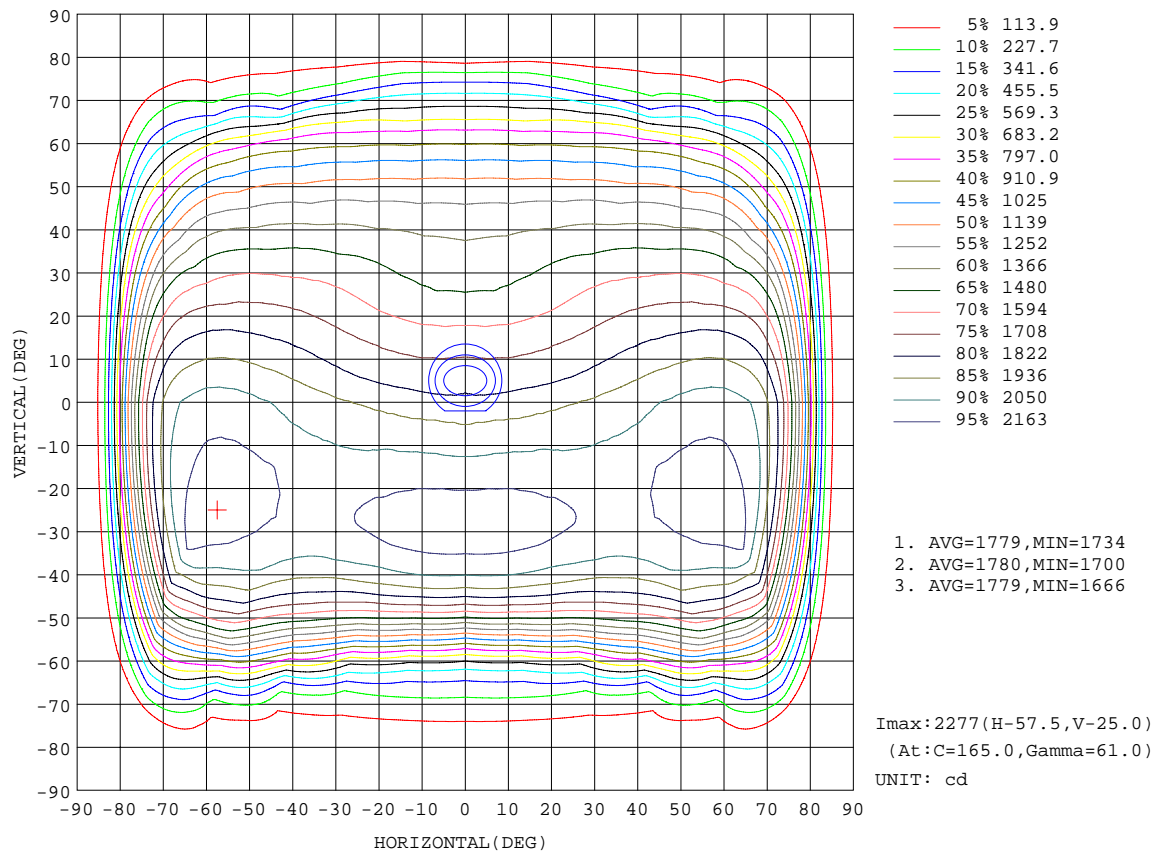
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	1866	1974	2008	1974	1866	1758	1715	1758	0- 10	177.7	177.7	2.43,2.43
20	1895	2081	2161	2081	1895	1669	1559	1669	10- 20	530.7	708.3	9.67,9.67
30	1932	2158	2216	2158	1932	1598	1433	1598	20- 30	869.6	1578	21.5,21.5
40	1992	2138	2054	2138	1992	1536	1340	1536	30- 40	1172	2750	37.5,37.5
50	2060	1946	1463	1946	2060	1395	1178	1395	40- 50	1373	4123	56.3,56.3
60	2083	1476	572.1	1476	2083	1144	904.2	1144	50- 60	1374	5497	75,75
70	1925	508.2	186.5	508.2	1925	707.1	520.1	707.1	60- 70	1134	6631	90.5,90.5
80	828.2	62.74	44.96	62.74	828.2	118.6	63.59	118.6	70- 80	614.4	7245	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	79.50	7325	100,100
100	0	0	0	0	0	0	0	0	90-100	0	7325	100,100
110	0	0	0	0	0	0	0	0	100-110	0	7325	100,100
120	0	0	0	0	0	0	0	0	110-120	0	7325	100,100
130	0	0	0	0	0	0	0	0	120-130	0	7325	100,100
140	0	0	0	0	0	0	0	0	130-140	0	7325	100,100
150	0	0	0	0	0	0	0	0	140-150	0	7325	100,100
160	0	0	0	0	0	0	0	0	150-160	0	7325	100,100
170	0	0	0	0	0	0	0	0	160-170	0	7325	100,100
180	0	0	0	0	0	0	0	0	170-180	0	7325	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:2020-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

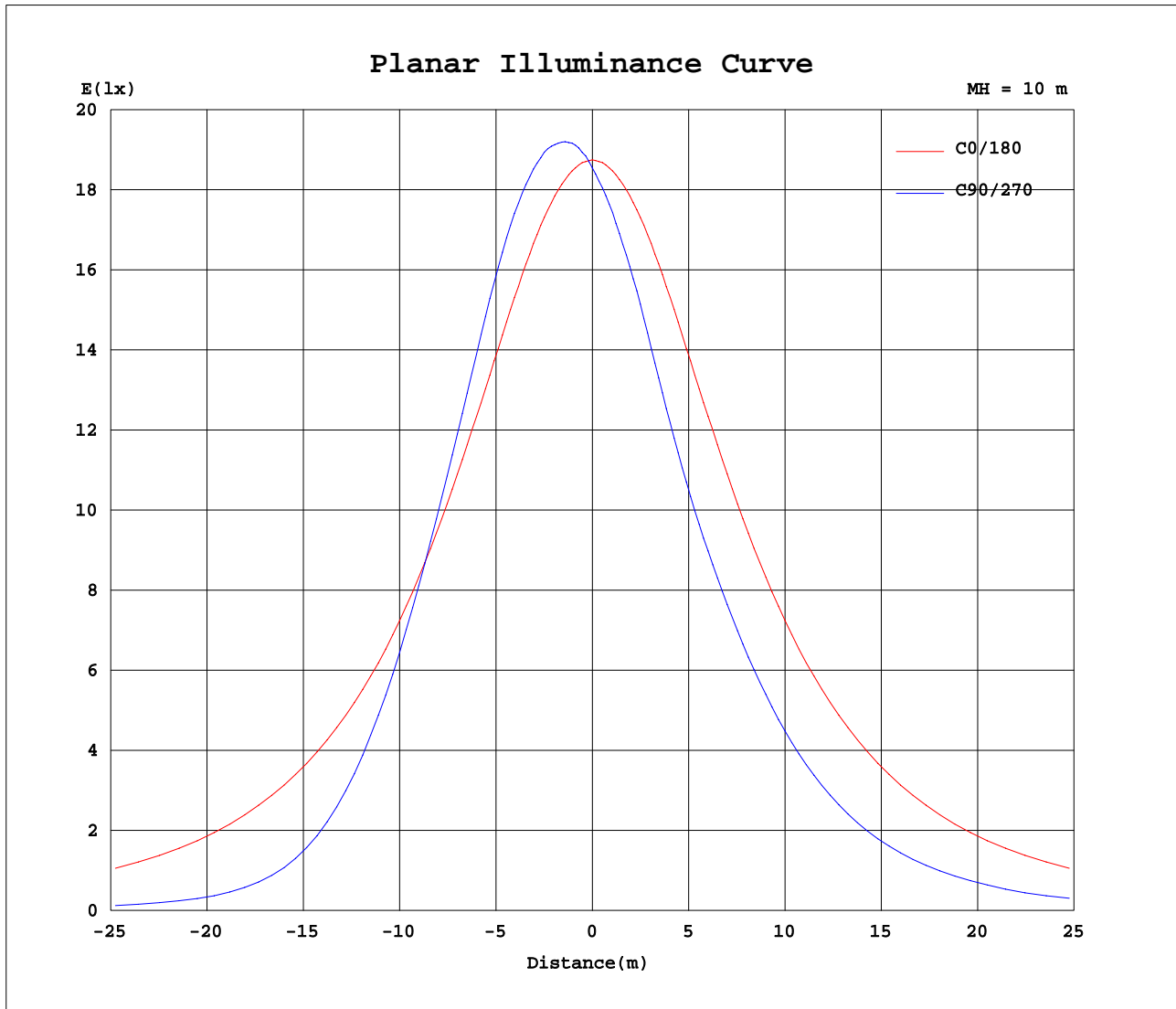
Test:U:219.2V I:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-11

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



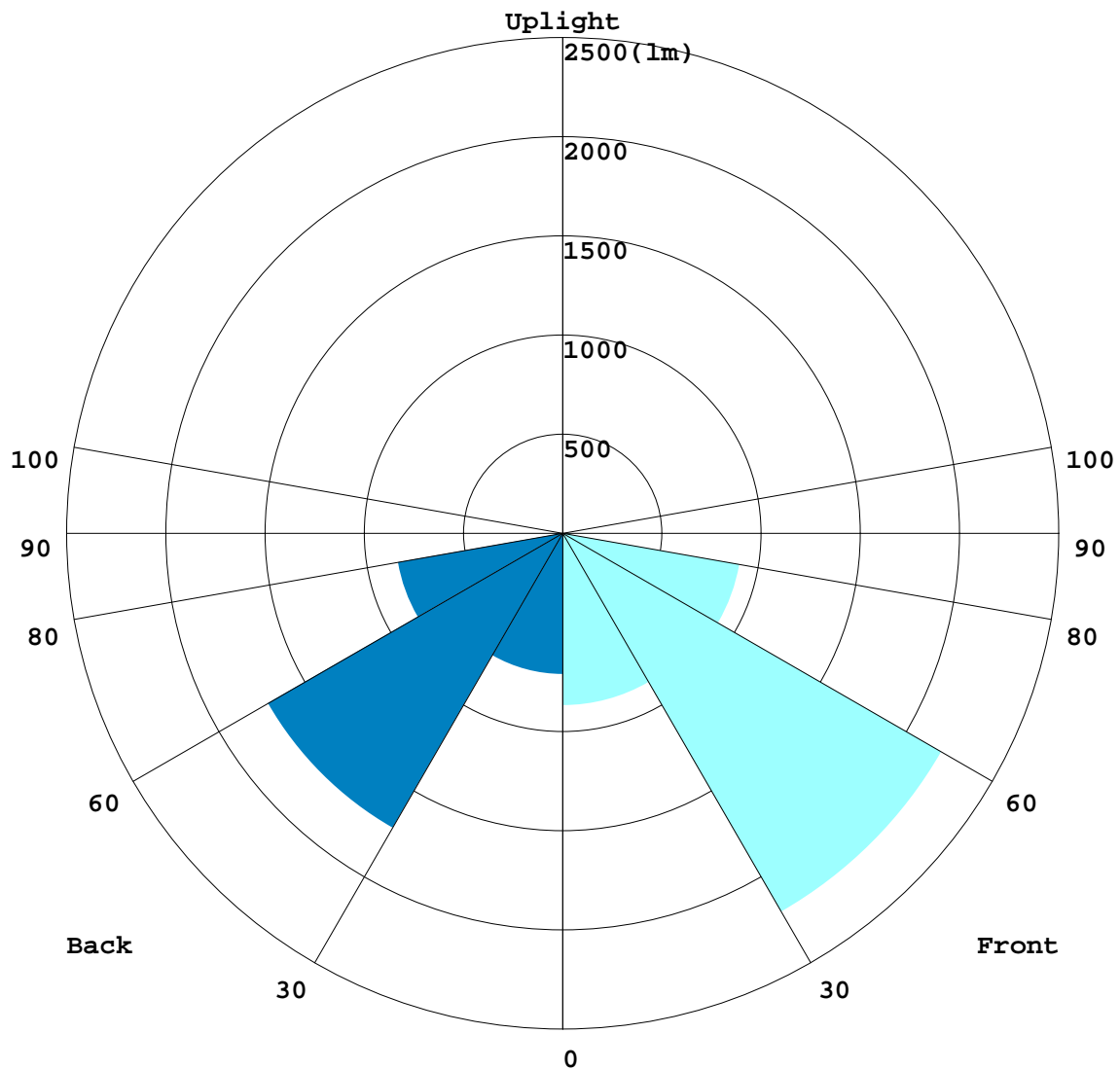
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-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:2020-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-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)	867.66	11.8
FM - Front-Medium(30-60)	2204.3	30.1
FH - Front-High(60-80)	904.84	12.4
FVH - Front-Very High(80-90)	42.206	0.6
Total Forward Light	4019	54.9

BL - Back-Low(0-30)	710.3	9.7
BM - Back-Medium(30-60)	1714.7	23.4
BH - Back-High(60-80)	843.32	11.5
BVH - Back-Very High(80-90)	37.297	0.5
Total Back Light	3305.6	45.1

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	3305.6	0	3305.6
Street Side	4019	0	4019

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-04-11

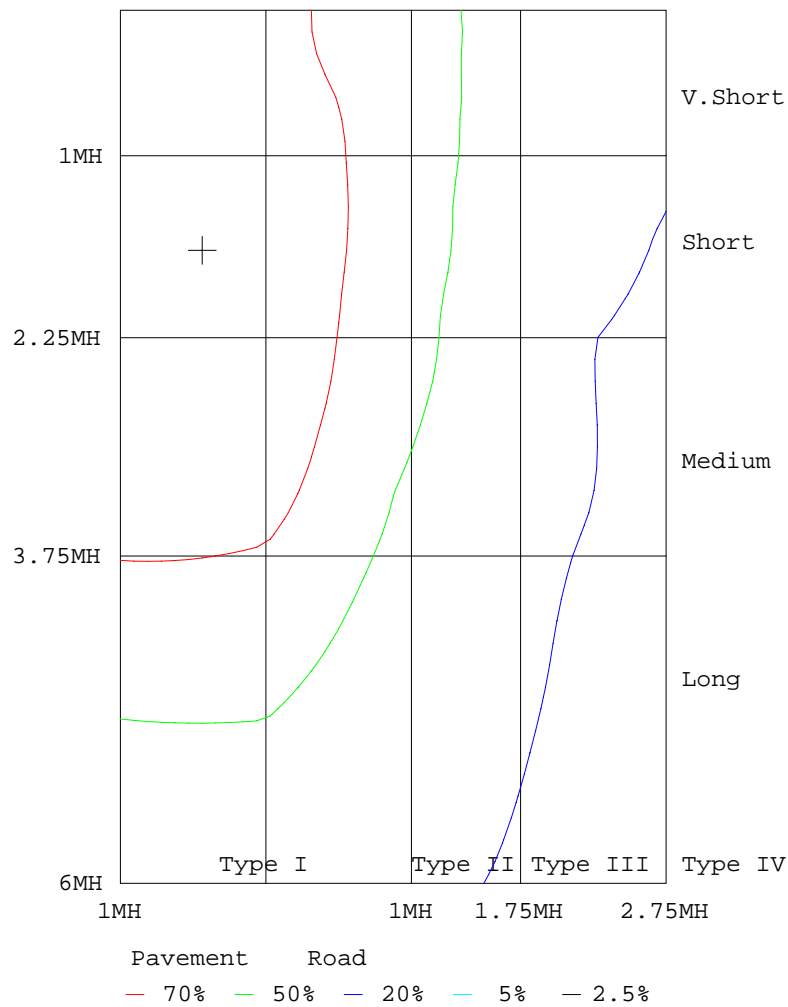
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-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:2020-04-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856	1856
5	1857	1873	1894	1915	1927	1932	1935	1932	1927	1915	1894	1873	1857	1840	1824	1810	1795	1789	1786
10	1866	1900	1937	1974	1993	2005	2008	2005	1993	1974	1937	1900	1866	1829	1791	1758	1732	1719	1715
15	1880	1928	1986	2030	2064	2086	2088	2086	2064	2030	1986	1928	1880	1820	1762	1714	1674	1648	1641
20	1895	1959	2030	2081	2127	2155	2161	2155	2127	2081	2030	1959	1895	1812	1744	1669	1608	1571	1559
25	1911	1990	2057	2124	2180	2207	2210	2207	2180	2124	2057	1990	1911	1813	1725	1630	1551	1502	1486
30	1932	2019	2085	2158	2196	2218	2216	2218	2196	2158	2085	2019	1932	1825	1710	1598	1511	1454	1433
35	1963	2053	2115	2166	2179	2177	2167	2177	2179	2166	2115	2053	1963	1834	1695	1572	1477	1416	1391
40	1992	2088	2136	2138	2105	2078	2054	2078	2105	2138	2136	2088	1992	1840	1674	1536	1431	1366	1340
45	2027	2135	2135	2067	1966	1883	1824	1883	1966	2067	2135	2135	2027	1835	1636	1479	1361	1291	1269
50	2060	2188	2129	1946	1730	1565	1463	1565	1730	1946	2129	2188	2060	1809	1574	1395	1269	1201	1178
55	2081	2235	2089	1766	1390	1124	993	1124	1390	1766	2089	2235	2081	1766	1489	1281	1156	1080	1053
60	2083	2258	1999	1476	934	656	572	656	934	1476	1999	2258	2083	1692	1366	1144	1010	927	904
65	2042	2228	1794	1038	506	359	327	359	506	1038	1794	2228	2042	1567	1200	969	830	736	710
70	1925	2097	1414	508	213	199	186	199	213	508	1414	2097	1925	1354	983	707	565	529	520
75	1555	1688	723	155	110	103	99.8	103	110	155	723	1688	1555	992	627	285	277	318	304
80	828	869	158	62.7	49.4	48.1	45.0	48.1	49.4	62.7	158	869	828	513	191	119	99.8	92.8	63.6
85	123	106	28.1	16.3	13.1	12.4	11.5	12.4	13.1	16.3	28.1	106	123	92.0	34.6	15.8	16.3	11.0	10.9
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:2020-04-11

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:0.2295A P:48.76W PF:0.9692 Freq:49.99Hz Lamp Flux:7324.64x1 lm		
NAME: AOK IL02	TYPE:LED Street Light	WEIGHT:3.5kg
SPEC.:AOK-50WiL02-NV-L3-00-5070-T211-P	DIM.: 470*290*60mm	SERIAL No.:
MFR.: AOK	SUR.:150*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	1856	1856	1856	1856	1856														
5	1789	1795	1810	1824	1840														
10	1719	1732	1758	1791	1829														
15	1648	1674	1714	1762	1820														
20	1571	1608	1669	1744	1812														
25	1502	1551	1630	1725	1813														
30	1454	1511	1598	1710	1825														
35	1416	1477	1572	1695	1834														
40	1366	1431	1536	1674	1840														
45	1291	1361	1479	1636	1835														
50	1201	1269	1395	1574	1809														
55	1080	1156	1281	1489	1766														
60	927	1010	1144	1366	1692														
65	736	830	969	1200	1567														
70	529	565	707	983	1354														
75	318	277	285	627	992														
80	92.8	99.8	119	191	513														
85	11.0	16.3	15.8	34.6	92.0														
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:2020-04-11

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: