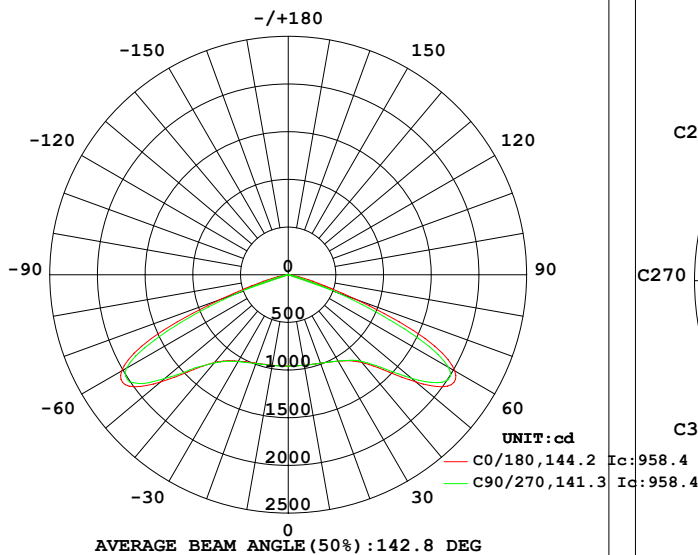
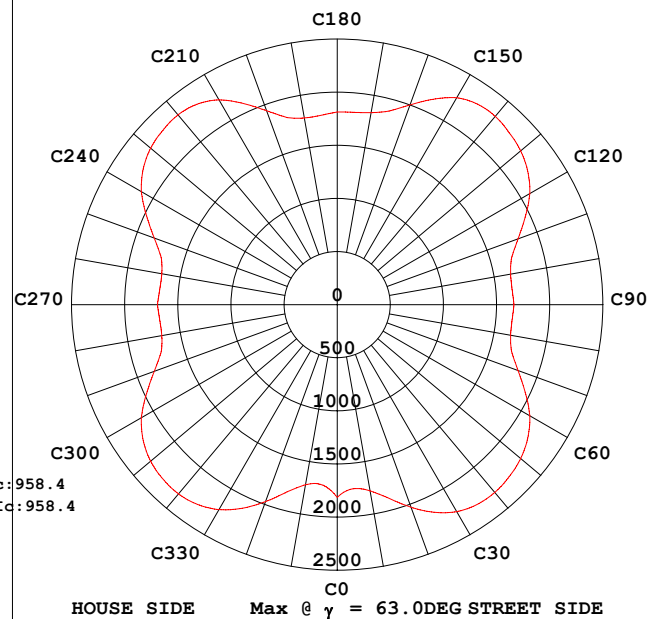


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.45 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	2321	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	100.0	$\eta$ street_down (%)	49.9
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	6336	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	6335.63	MAXIMUM @ (C, $\gamma$ )	315,63.0	$\eta$ house_down (%)	50.1
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	17.770

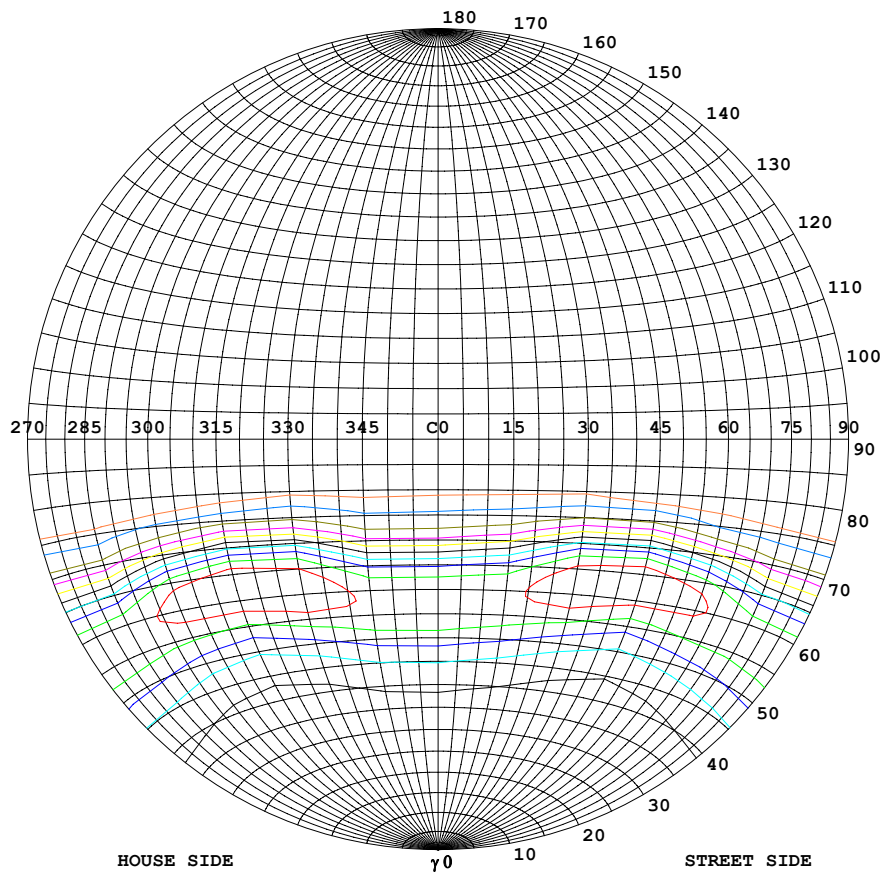
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.684m [K=1.0000]  
 Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



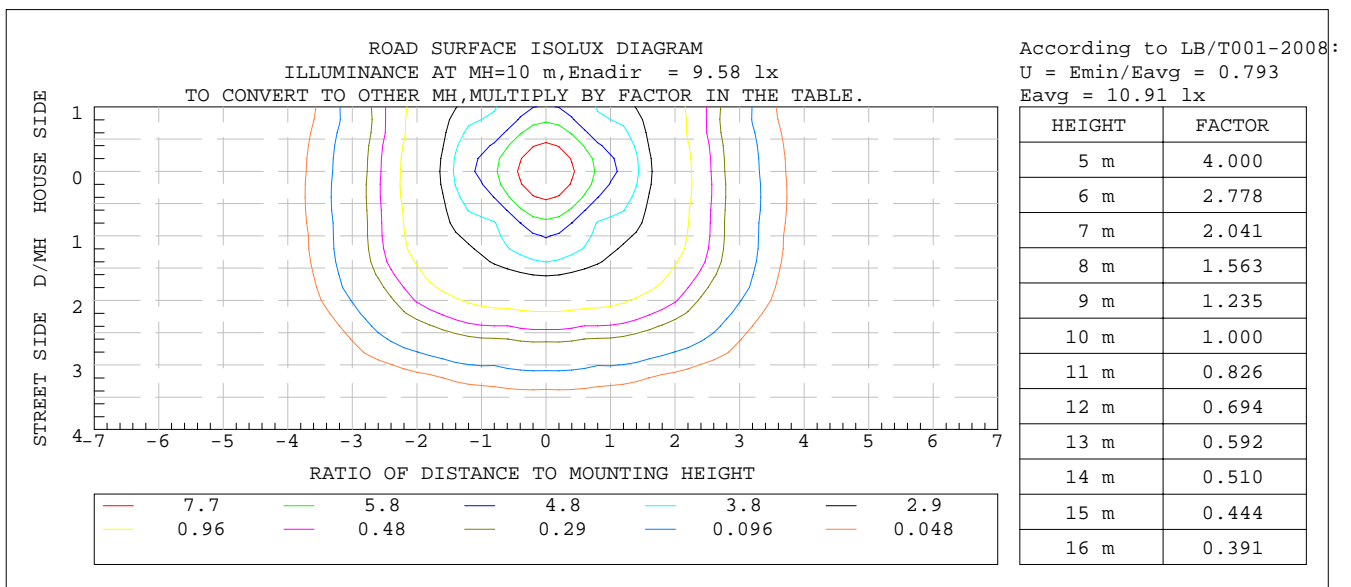
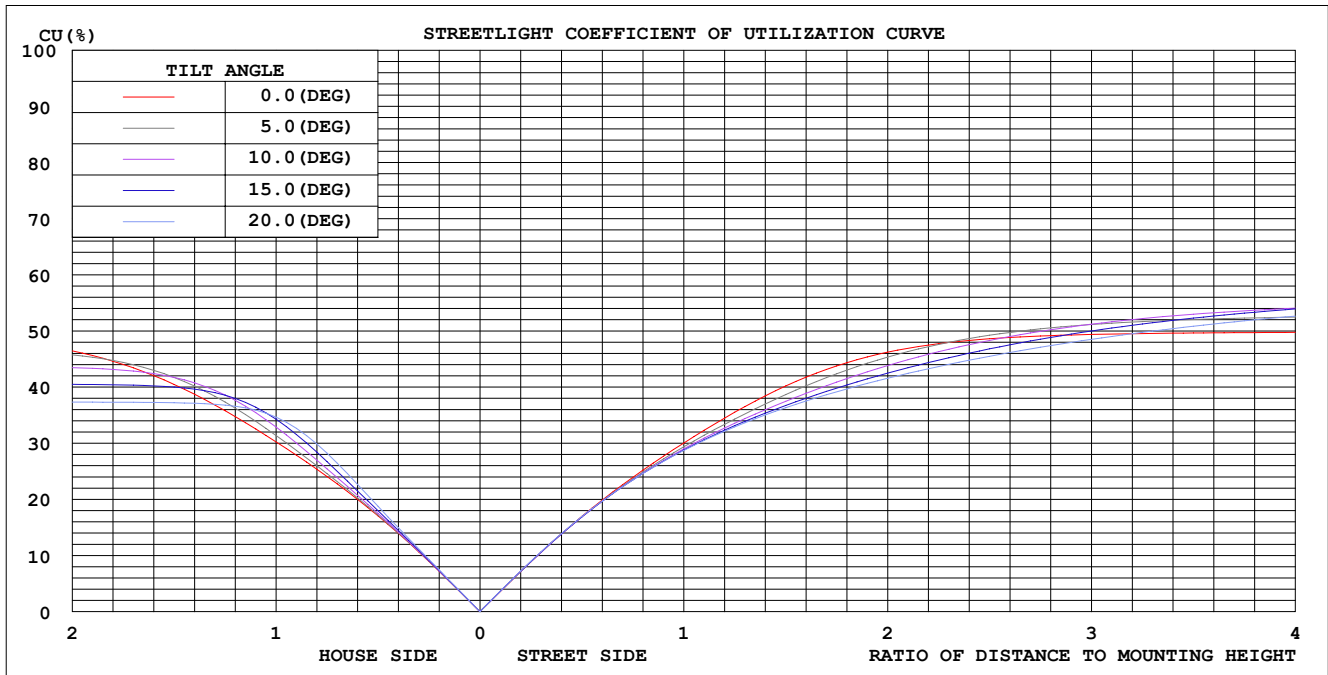
## Classification:

IES:Type V - Short  
CIE:Broad - Intermediate  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:16.04cd/klm  
Max.At90:0cd/klm  
Max.80-90:16.04cd/klm  
NRB 5101:Limited[3.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2321
90%	2089
80%	1857
70%	1624
60%	1392
50%	1160
40%	928
30%	696
20%	464
10%	232
5%	116

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [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: 2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

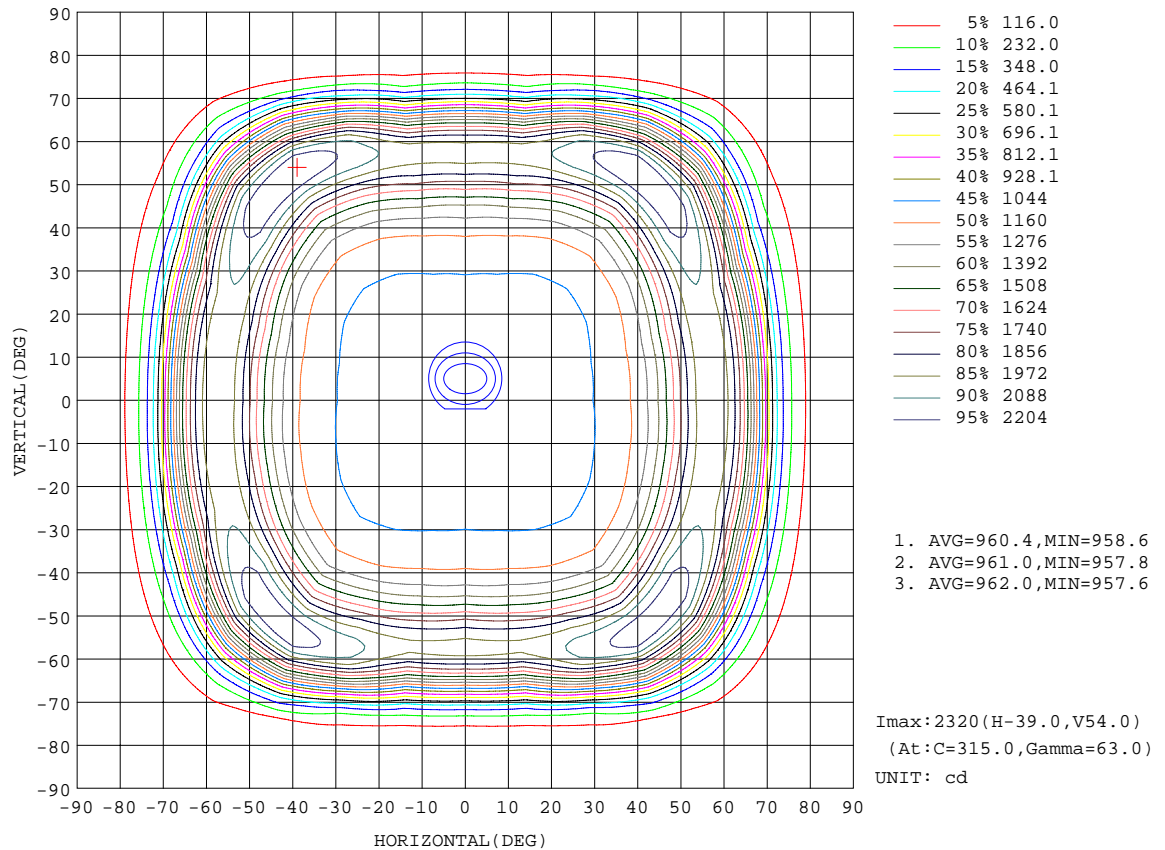
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	963.5	962.3	964.6	962.3	963.5	963.2	965.2	963.2	0- 10	91.69	91.69	1.45,1.45
20	987.1	979.1	987.8	979.1	987.1	981.7	991.0	981.7	10- 20	276.0	367.7	5.8,5.8
30	1047	1011	1045	1011	1047	1017	1052	1017	20- 30	465.7	833.4	13.2,13.2
40	1202	1085	1183	1085	1202	1103	1208	1103	30- 40	678.7	1512	23.9,23.9
50	1751	1362	1691	1362	1751	1424	1692	1424	40- 50	1028	2540	40.1,40.1
60	2017	2152	1938	2152	2017	2241	1958	2241	50- 60	1704	4244	67,67
70	749.5	1473	539.4	1473	749.5	1355	579.9	1355	60- 70	1686	5930	93.6,93.6
80	87.17	53.31	26.57	53.31	87.17	60.23	34.70	60.23	70- 80	386.3	6317	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	18.97	6336	100,100
100	0	0	0	0	0	0	0	0	90-100	0	6336	100,100
110	0	0	0	0	0	0	0	0	100-110	0	6336	100,100
120	0	0	0	0	0	0	0	0	110-120	0	6336	100,100
130	0	0	0	0	0	0	0	0	120-130	0	6336	100,100
140	0	0	0	0	0	0	0	0	130-140	0	6336	100,100
150	0	0	0	0	0	0	0	0	140-150	0	6336	100,100
160	0	0	0	0	0	0	0	0	150-160	0	6336	100,100
170	0	0	0	0	0	0	0	0	160-170	0	6336	100,100
180	0	0	0	0	0	0	0	0	170-180	0	6336	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:2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

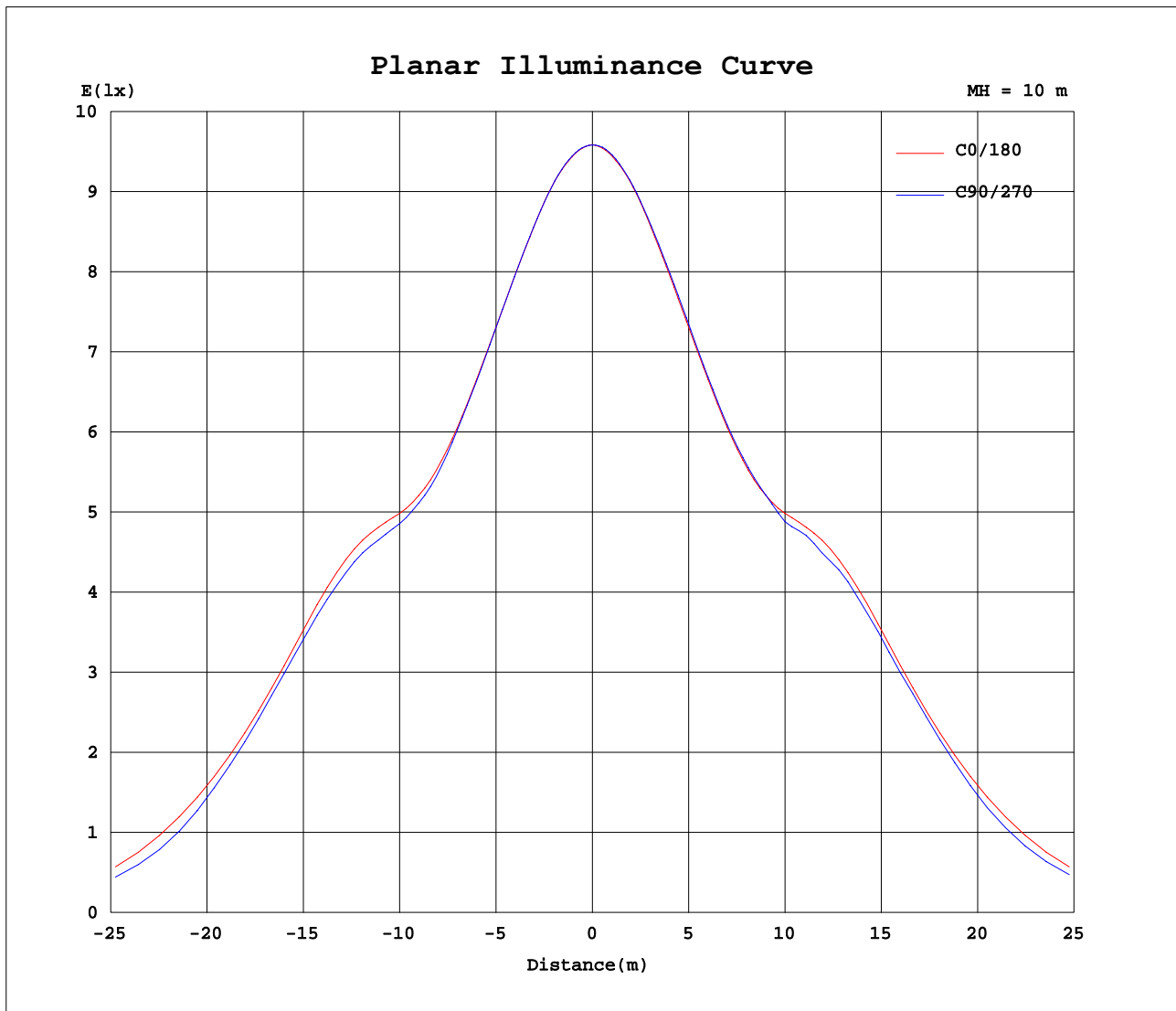
Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.684m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



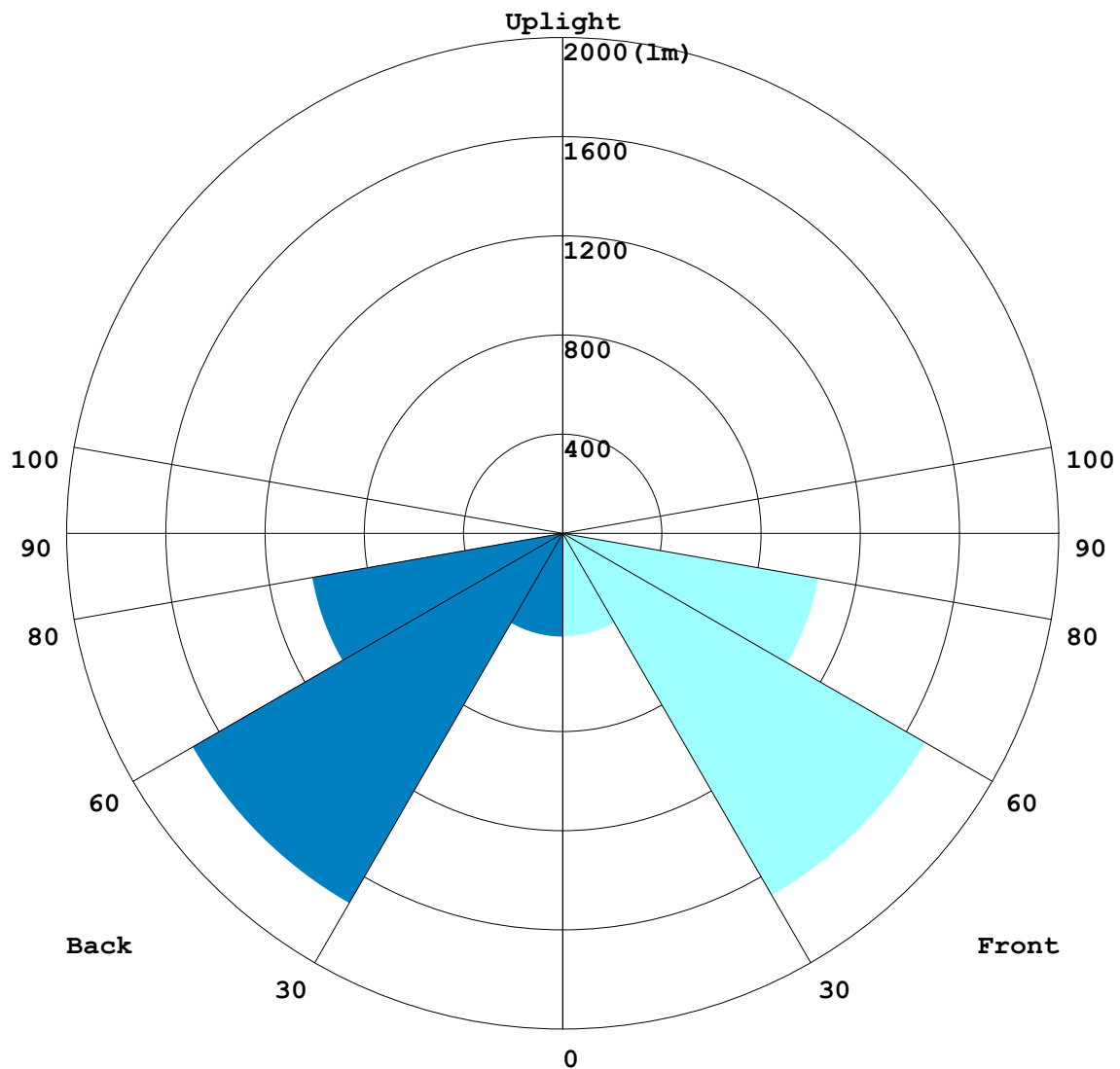
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## BUG REPORT

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	416.14	6.6
FM - Front-Medium(30-60)	1687.7	26.6
FH - Front-High(60-80)	1047	16.5
FVH - Front-Very High(80-90)	9.4396	0.1
Total Forward Light	3160.3	49.9

BL - Back-Low(0-30)	417.27	6.6
BM - Back-Medium(30-60)	1723.3	27.2
BH - Back-High(60-80)	1025.2	16.2
BVH - Back-Very High(80-90)	9.5293	0.2
Total Back Light	3175.3	50.1

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	B3-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3175.3	0	3175.3
Street Side	3160.3	0	3160.3

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-04-02

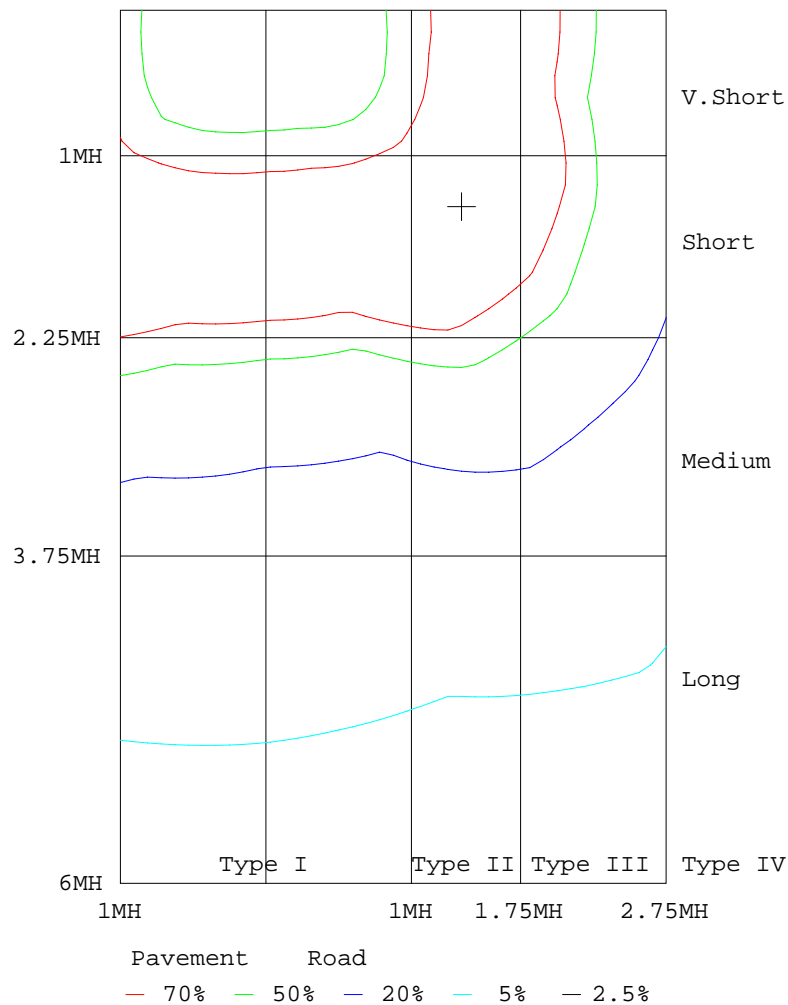
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-04-02

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.684m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	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	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958
5	959	958	958	958	959	959	960	959	959	958	958	958	959	959	960	960	960	960	960
10	964	963	963	962	963	964	965	964	963	962	963	963	964	964	964	963	964	965	965
15	973	972	971	970	971	972	973	972	971	970	971	972	973	973	971	971	972	974	975
20	987	984	981	979	982	985	988	985	982	979	981	984	987	987	982	982	984	989	991
25	1011	1005	996	992	999	1007	1011	1007	999	992	996	1005	1011	1009	999	995	1001	1012	1017
30	1047	1035	1020	1011	1021	1036	1045	1036	1021	1011	1020	1035	1047	1041	1023	1017	1025	1044	1052
35	1101	1082	1054	1039	1055	1080	1097	1080	1055	1039	1054	1082	1101	1094	1062	1048	1062	1094	1107
40	1202	1167	1115	1085	1111	1160	1183	1160	1111	1085	1115	1167	1202	1189	1129	1103	1128	1180	1208
45	1409	1340	1239	1174	1239	1328	1374	1328	1239	1174	1239	1340	1409	1386	1270	1212	1259	1351	1380
50	1751	1657	1498	1362	1498	1607	1691	1607	1498	1362	1498	1657	1751	1724	1562	1424	1517	1653	1692
55	2037	1977	1917	1718	1869	1917	1967	1917	1869	1718	1917	1977	2037	2024	1988	1821	1901	1945	1977
60	2017	2025	2241	2152	2121	1953	1938	1953	2121	2152	2241	2025	2017	2010	2259	2241	2162	1991	1958
65	1583	1703	2143	2236	1939	1423	1345	1423	1939	2236	2143	1703	1583	1590	2095	2216	1960	1430	1405
70	750	910	1430	1473	992	596	539	596	992	1473	1430	910	750	753	1316	1355	1007	566	580
75	266	307	457	420	215	149	132	149	215	420	457	307	266	254	413	382	264	139	151
80	87.2	93.3	102	53.3	36.8	29.2	26.6	29.2	36.8	53.3	102	93.3	87.2	79.9	93.8	60.2	42.8	32.5	34.7
85	16.4	17.1	13.7	7.25	7.53	6.93	7.11	6.93	7.53	7.25	13.7	17.1	16.4	13.8	14.1	8.38	9.04	8.21	8.42
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:2019-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.2307A P:50.10W PF:0.9864 Freq:49.99Hz Lamp Flux:6335.63x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	958	958	958	958	958														
5	960	960	960	960	959														
10	965	964	963	964	964														
15	974	972	971	971	973														
20	989	984	982	982	987														
25	1012	1001	995	999	1009														
30	1044	1025	1017	1023	1041														
35	1094	1062	1048	1062	1094														
40	1180	1128	1103	1129	1189														
45	1351	1259	1212	1270	1386														
50	1653	1517	1424	1562	1724														
55	1945	1901	1821	1988	2024														
60	1991	2162	2241	2259	2010														
65	1430	1960	2216	2095	1590														
70	566	1007	1355	1316	753														
75	139	264	382	413	254														
80	32.5	42.8	60.2	93.8	79.9														
85	8.21	9.04	8.38	14.1	13.8														
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:2019-04-02

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks: