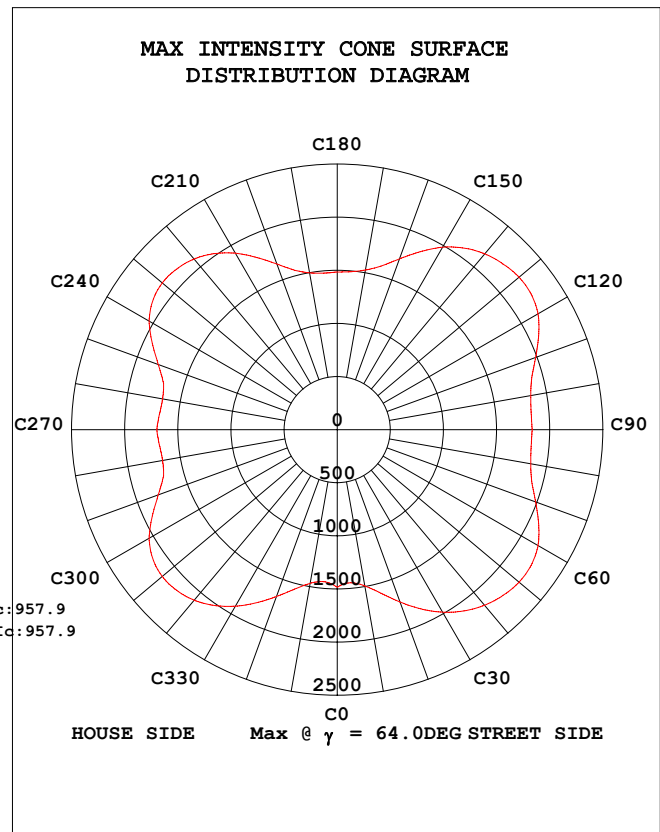
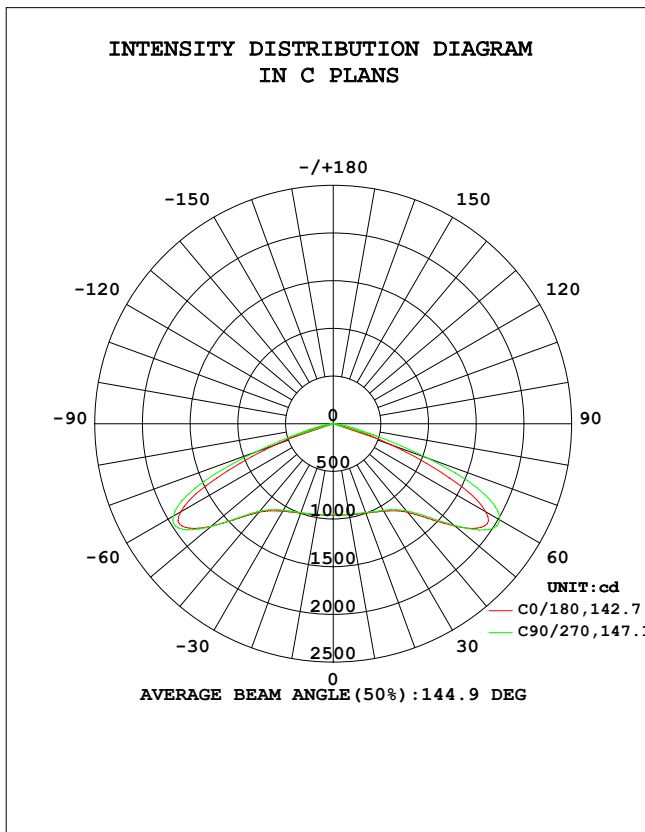


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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: 128.97 lm/W			
MODEL	3030	I _{max} (cd)	2206	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	99.7	η street_down (%)	50.7
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	6410	η house_up (%)	0.0
NOMINAL FLUX (lm)	6429.78	MAXIMUM @ (C, γ)	45,64.0	η house_down (%)	48.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	99.7	SLI	16.516

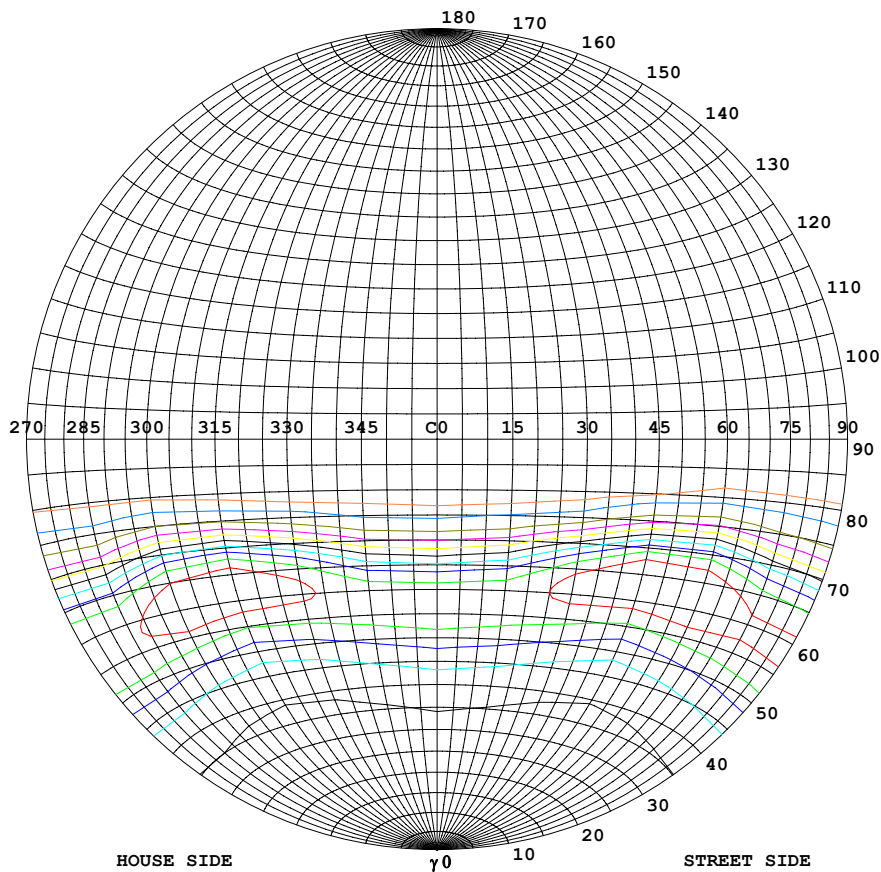


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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:



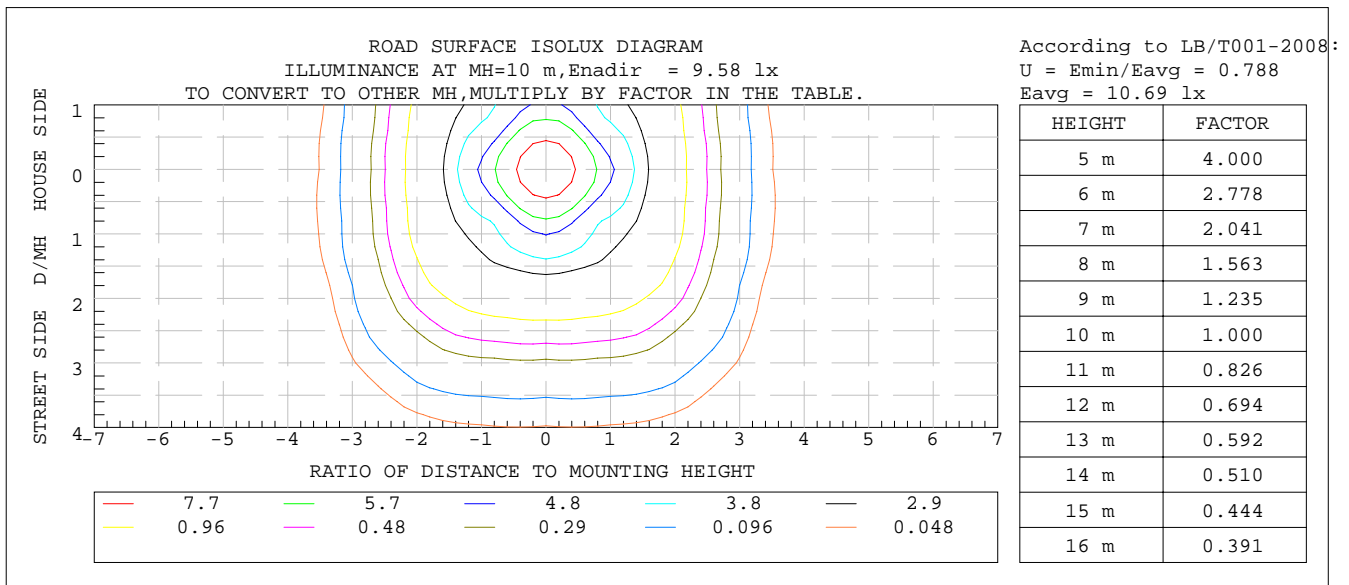
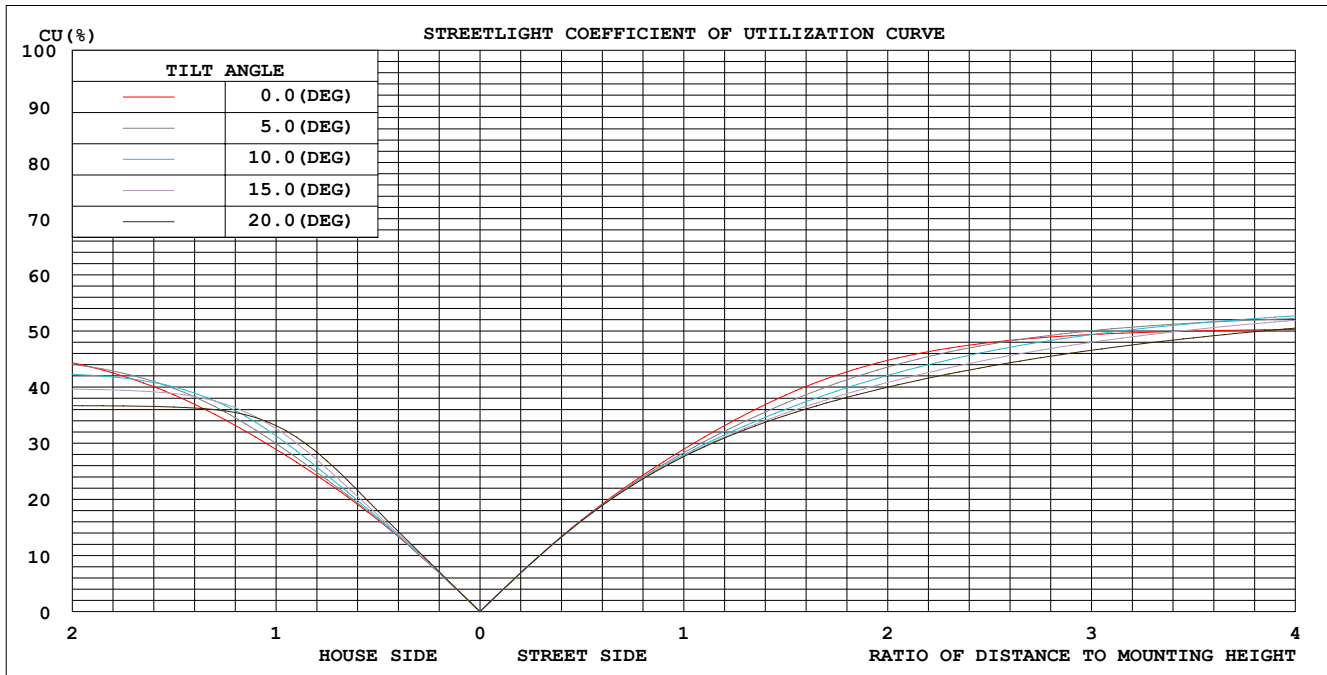
Classification:

IES:Type VS - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:25.55cd/klm
Max.At90:0cd/klm
Max.80-90:25.55cd/klm
NRB 5101:Limited[2.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2206
90%	1986
80%	1765
70%	1544
60%	1324
50%	1103
40%	883
30%	662
20%	441
10%	221
5%	110

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

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: 2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

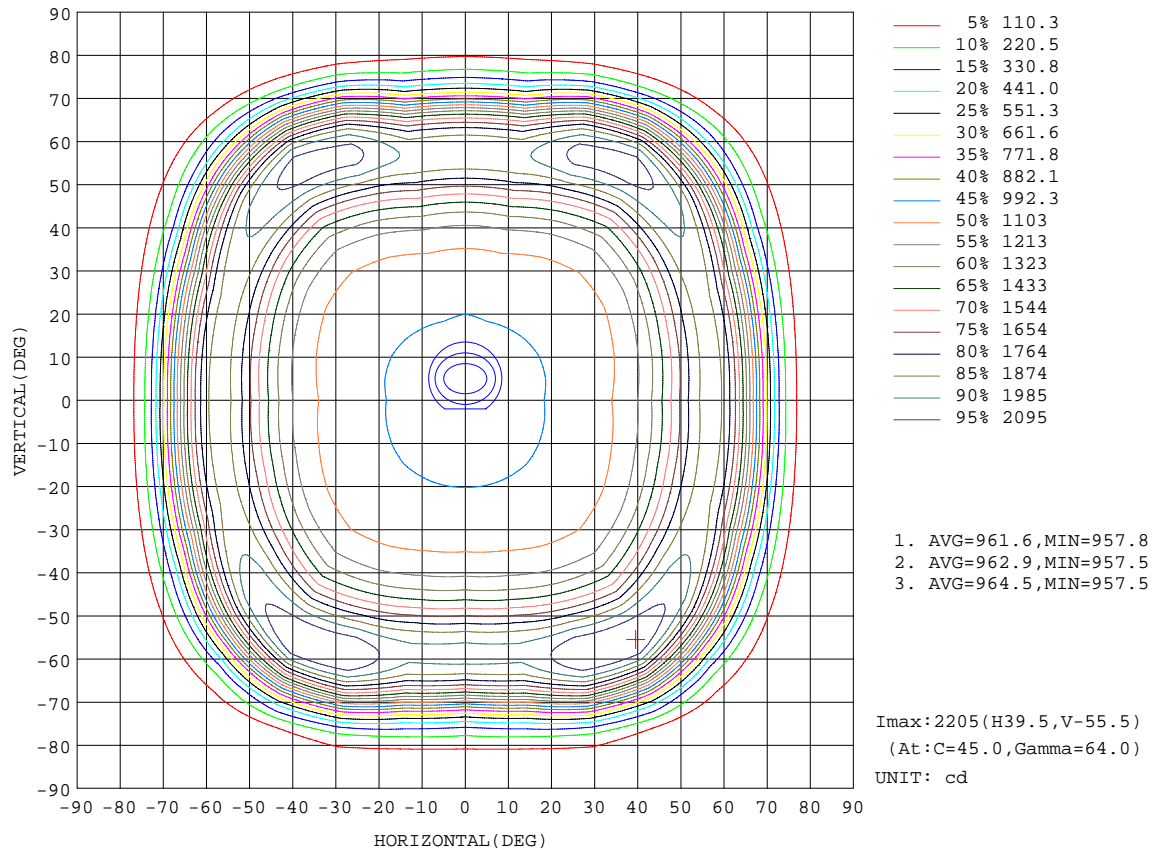
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	968.2	967.1	965.8	967.1	968.2	969.1	967.2	969.1	0- 10	91.92	91.92	1.43,1.43
20	997.8	991.1	992.0	991.1	997.8	993.6	992.9	993.6	10- 20	278.0	370.0	5.77,5.75
30	1060	1029	1050	1029	1060	1030	1048	1030	20- 30	470.6	840.6	13.1,13.1
40	1212	1114	1192	1114	1212	1119	1198	1119	30- 40	686.6	1527	23.8,23.8
50	1671	1400	1658	1400	1671	1429	1678	1429	40- 50	1033	2560	39.9,39.8
60	1846	2083	2016	2083	1846	2109	1937	2109	50- 60	1648	4208	65.6,65.4
70	648.3	1650	1057	1650	648.3	1388	855.9	1388	60- 70	1692	5899	92,91.8
80	44.52	102.7	133.7	102.7	44.52	68.65	102.3	68.65	70- 80	481.4	6381	99.5,99.2
90	0	0	0	0	0	0	0	0	80- 90	29.10	6410	100,99.7
100	0	0	0	0	0	0	0	0	90-100	0	6410	100,99.7
110	0	0	0	0	0	0	0	0	100-110	0	6410	100,99.7
120	0	0	0	0	0	0	0	0	110-120	0	6410	100,99.7
130	0	0	0	0	0	0	0	0	120-130	0	6410	100,99.7
140	0	0	0	0	0	0	0	0	130-140	0	6410	100,99.7
150	0	0	0	0	0	0	0	0	140-150	0	6410	100,99.7
160	0	0	0	0	0	0	0	0	150-160	0	6410	100,99.7
170	0	0	0	0	0	0	0	0	160-170	0	6410	100,99.7
180	0	0	0	0	0	0	0	0	170-180	0	6410	100,99.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

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

ISOCANDELA DIAGRAM

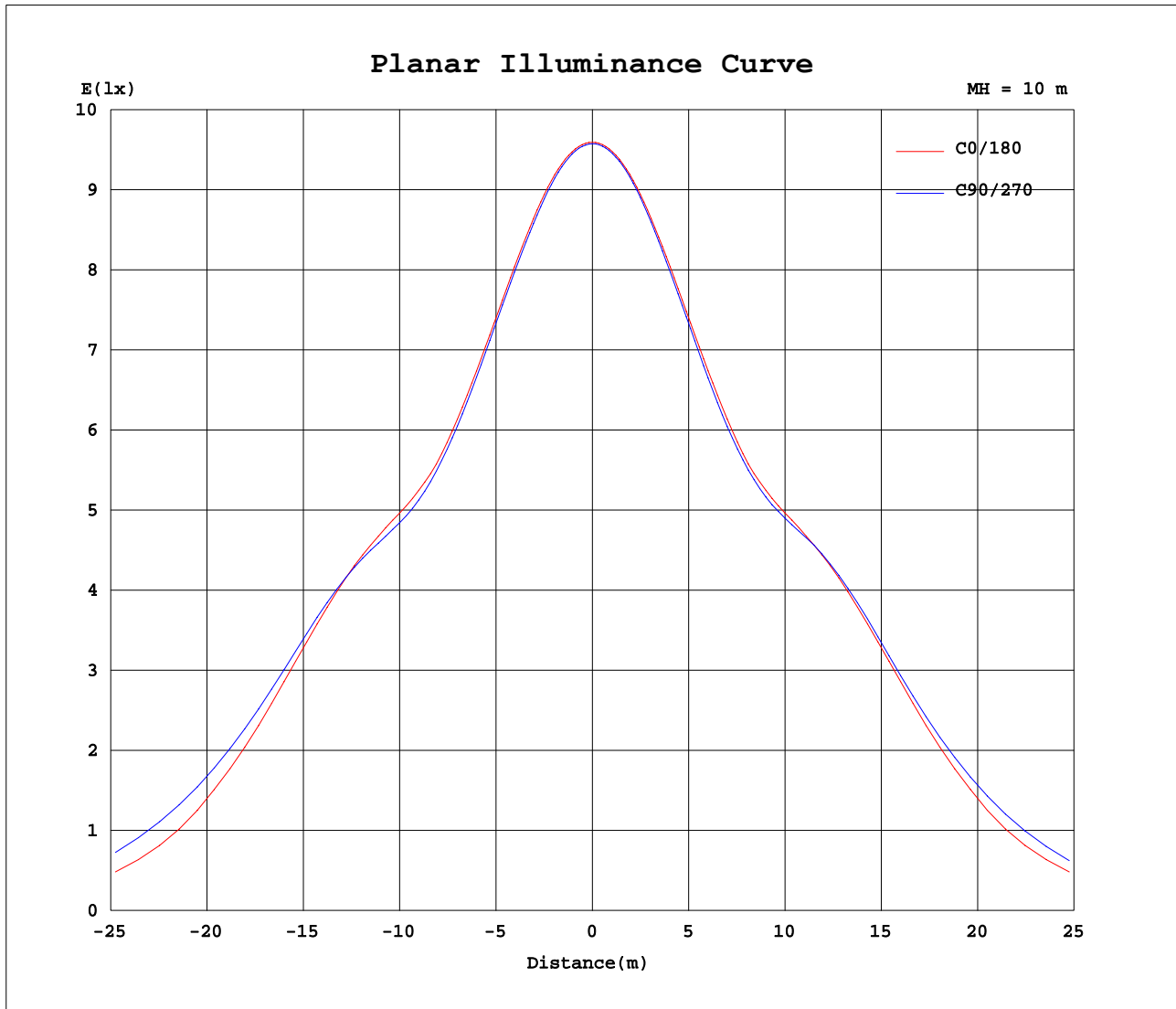
Test:U:219.2V I:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-06-19

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



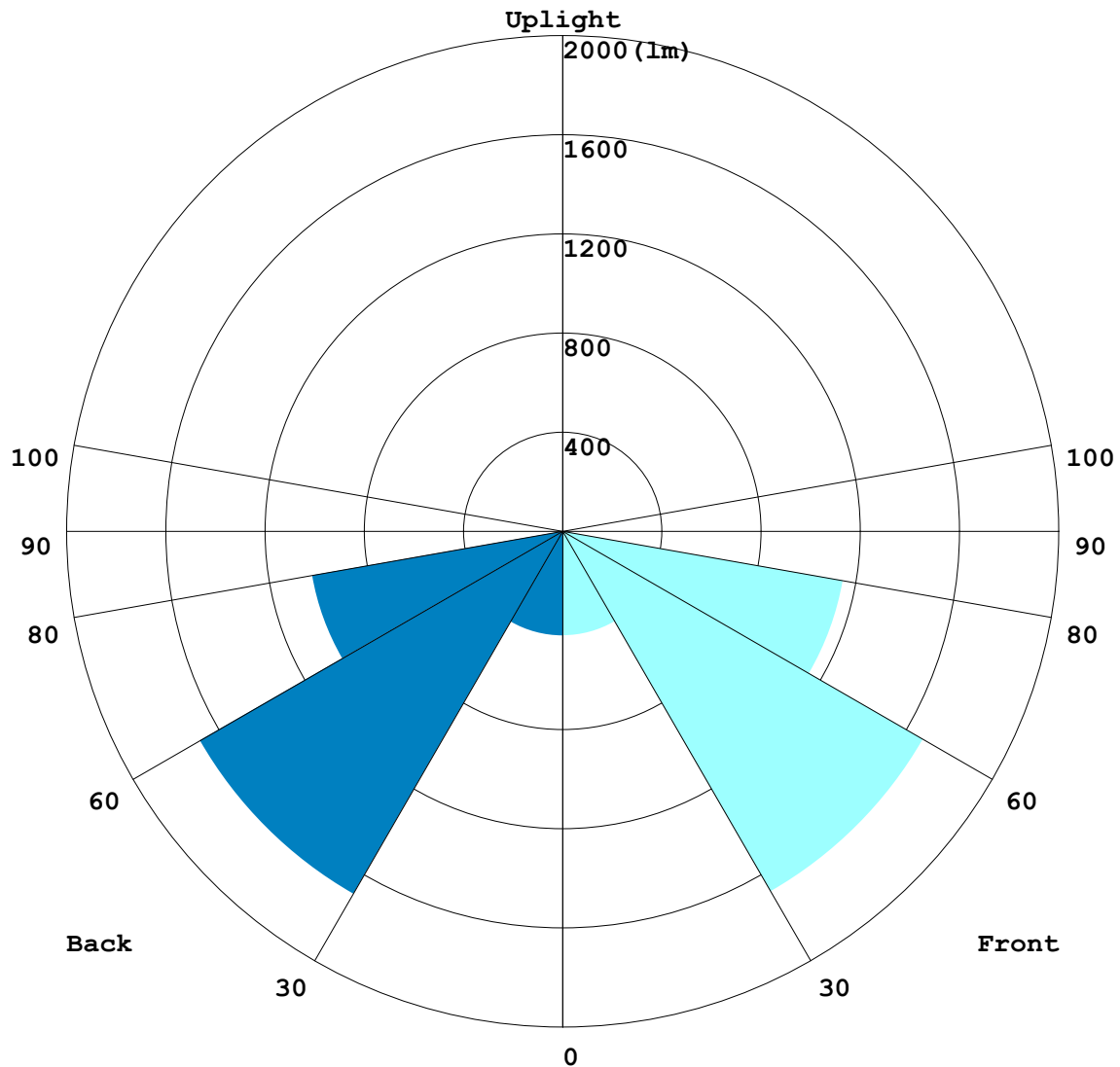
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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: 2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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)	420.09	6.6
FM - Front-Medium(30-60)	1677.9	26.2
FH - Front-High(60-80)	1147.3	17.9
FVH - Front-Very High(80-90)	17.551	0.3
Total Forward Light	3262.8	50.9

BL - Back-Low(0-30)	420.49	6.6
BM - Back-Medium(30-60)	1689.3	26.4
BH - Back-High(60-80)	1025.9	16.0
BVH - Back-Very High(80-90)	11.554	0.2
Total Back Light	3147.2	49.1

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	3147.2	0	3147.2
Street Side	3262.8	0	3262.8

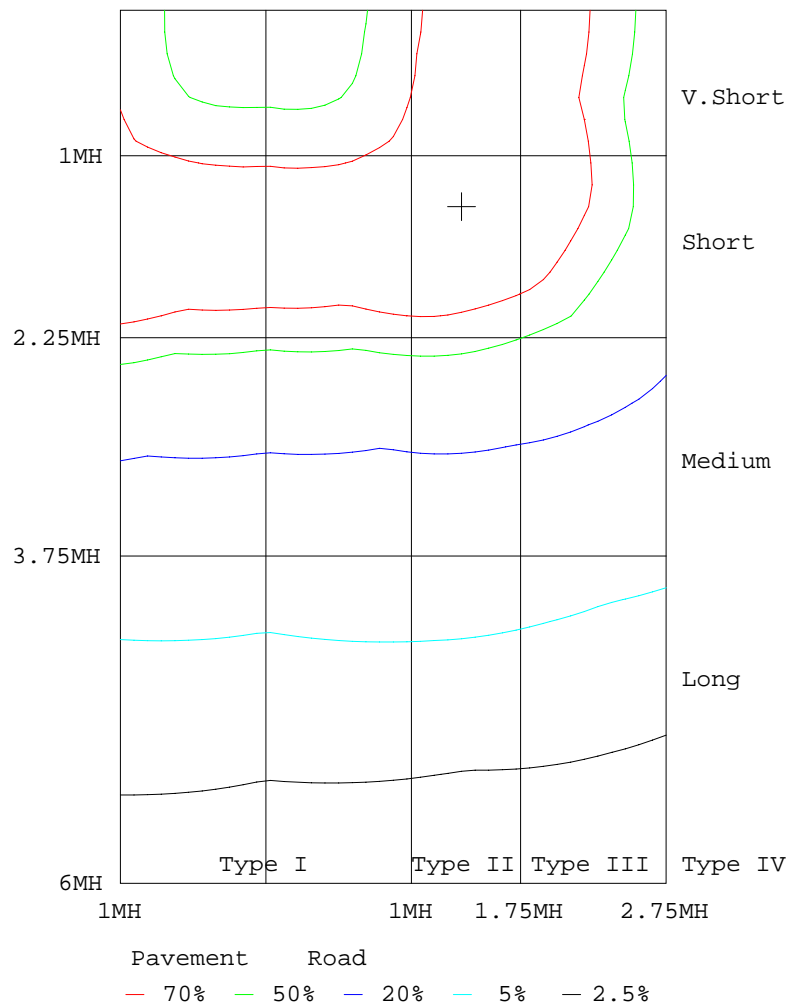
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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	961	960	960	960	960	960	960	960	960	960	960	960	961	961	961	961	961	961	960
10	968	968	967	967	967	966	966	966	967	967	967	968	968	968	968	969	969	969	967
15	980	979	978	977	977	976	976	976	977	977	978	979	980	980	980	980	981	981	978
20	998	995	993	991	991	991	992	991	991	991	993	995	998	995	993	994	995	997	993
25	1023	1018	1011	1007	1010	1014	1016	1014	1010	1007	1011	1018	1023	1016	1009	1009	1014	1019	1016
30	1060	1050	1037	1029	1036	1045	1050	1045	1036	1029	1037	1050	1060	1046	1033	1030	1039	1052	1048
35	1115	1098	1074	1061	1073	1092	1101	1092	1073	1061	1074	1098	1115	1092	1069	1062	1079	1103	1100
40	1212	1188	1140	1114	1137	1173	1192	1173	1137	1114	1140	1188	1212	1174	1132	1119	1151	1200	1198
45	1402	1359	1273	1211	1261	1329	1370	1329	1261	1211	1273	1359	1402	1338	1259	1226	1295	1388	1386
50	1671	1619	1516	1400	1500	1600	1658	1600	1500	1400	1516	1619	1671	1601	1492	1429	1558	1679	1678
55	1894	1857	1825	1720	1852	1903	1942	1903	1852	1720	1825	1857	1894	1860	1818	1783	1918	1929	1930
60	1846	1874	2041	2083	2155	2010	2016	2010	2155	2083	2041	1874	1846	1873	2015	2109	2132	1925	1937
65	1346	1476	1914	2193	2146	1831	1752	1831	2146	2193	1914	1476	1346	1431	1840	2087	1979	1589	1597
70	648	755	1172	1650	1641	1217	1057	1217	1641	1650	1172	755	648	705	1069	1388	1297	845	856
75	181	232	324	621	685	468	395	468	685	621	324	232	181	199	324	422	439	298	320
80	44.5	50.9	62.7	103	164	145	134	145	164	103	62.7	50.9	44.5	47.9	55.1	68.6	95.3	93.2	102
85	15.2	15.8	14.2	14.8	30.4	36.7	31.4	36.7	30.4	14.8	14.2	15.8	15.2	14.1	12.7	10.1	13.0	15.7	20.6
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:2019-06-19

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:0.2299A P:49.70W PF:0.9861 Freq:49.99Hz Lamp Flux:6429.78x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-50WIP-NV-L3-5070-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	961	961	961	961	961														
10	969	969	969	968	968														
15	981	981	980	980	980														
20	997	995	994	993	995														
25	1019	1014	1009	1009	1016														
30	1052	1039	1030	1033	1046														
35	1103	1079	1062	1069	1092														
40	1200	1151	1119	1132	1174														
45	1388	1295	1226	1259	1338														
50	1679	1558	1429	1492	1601														
55	1929	1918	1783	1818	1860														
60	1925	2132	2109	2015	1873														
65	1589	1979	2087	1840	1431														
70	845	1297	1388	1069	705														
75	298	439	422	324	199														
80	93.2	95.3	68.6	55.1	47.9														
85	15.7	13.0	10.1	12.7	14.1														
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:2019-06-19

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: