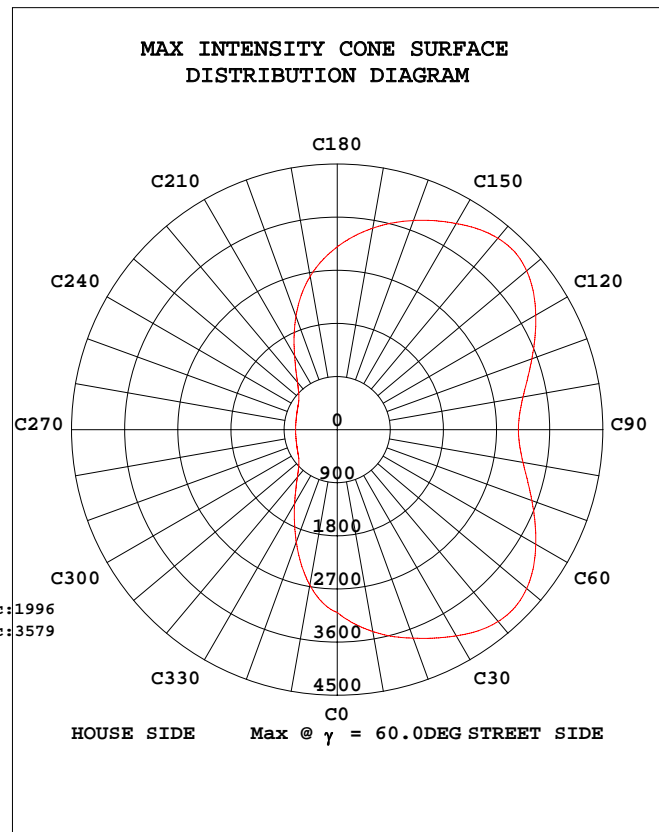
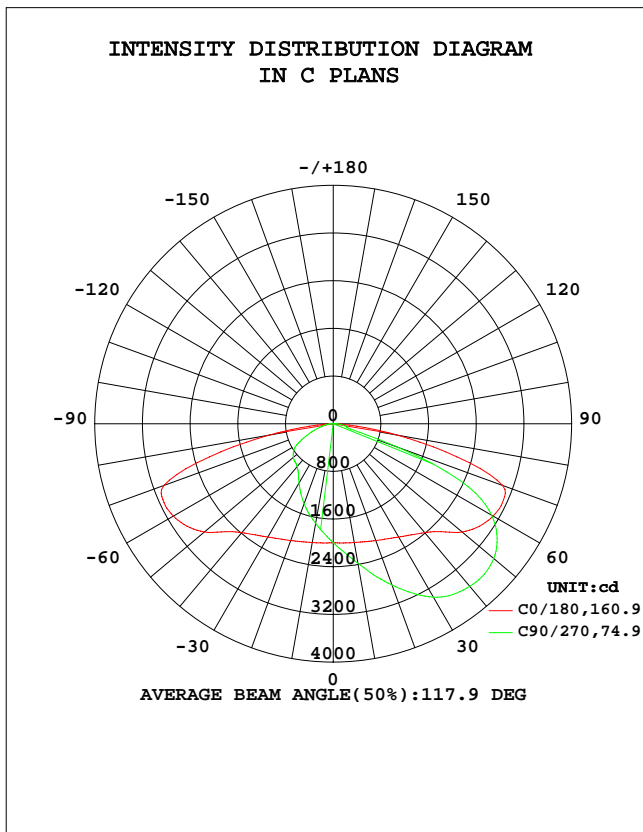


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 191.10 lm/W			
MODEL	5050	I _{max} (cd)	4256	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	69.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	11419	η house_up(%)	0.0
NOMINAL FLUX(lm)	11419.5	MAXIMUM @(C,γ)	135,60.0	η house_down(%)	30.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.472

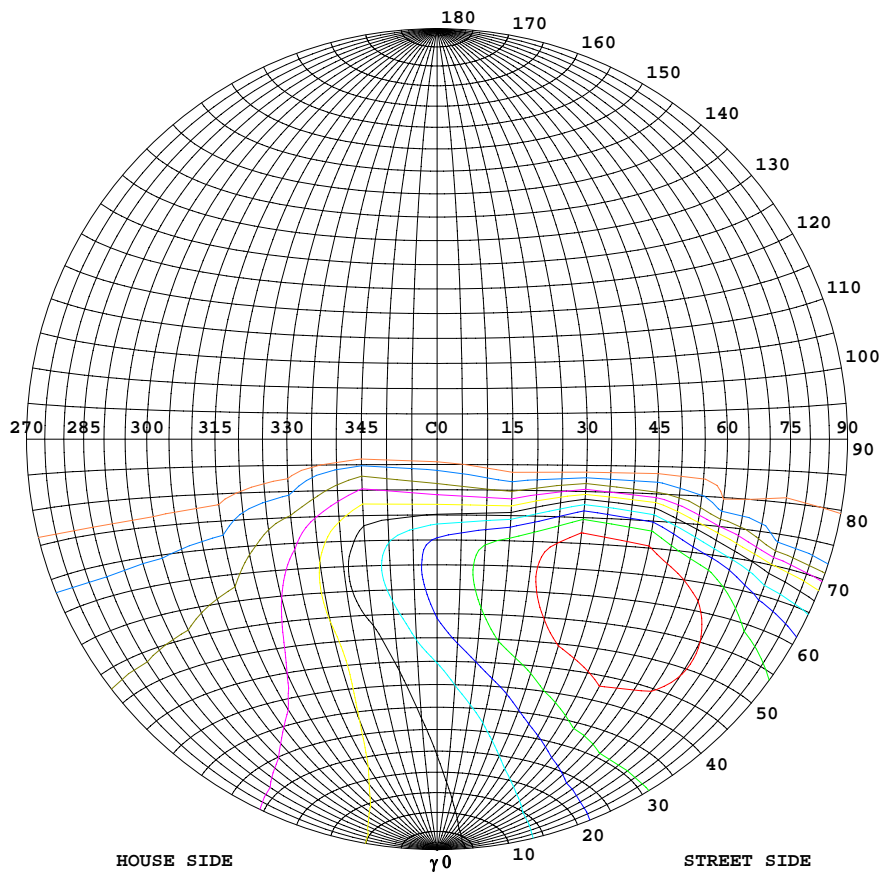


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



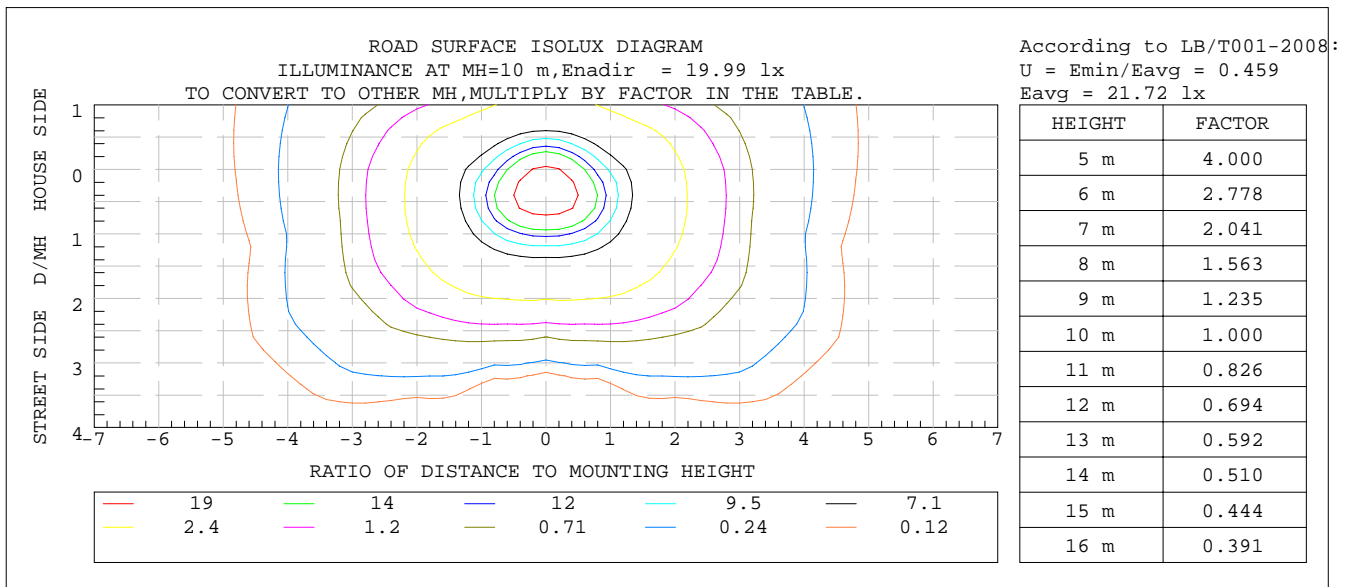
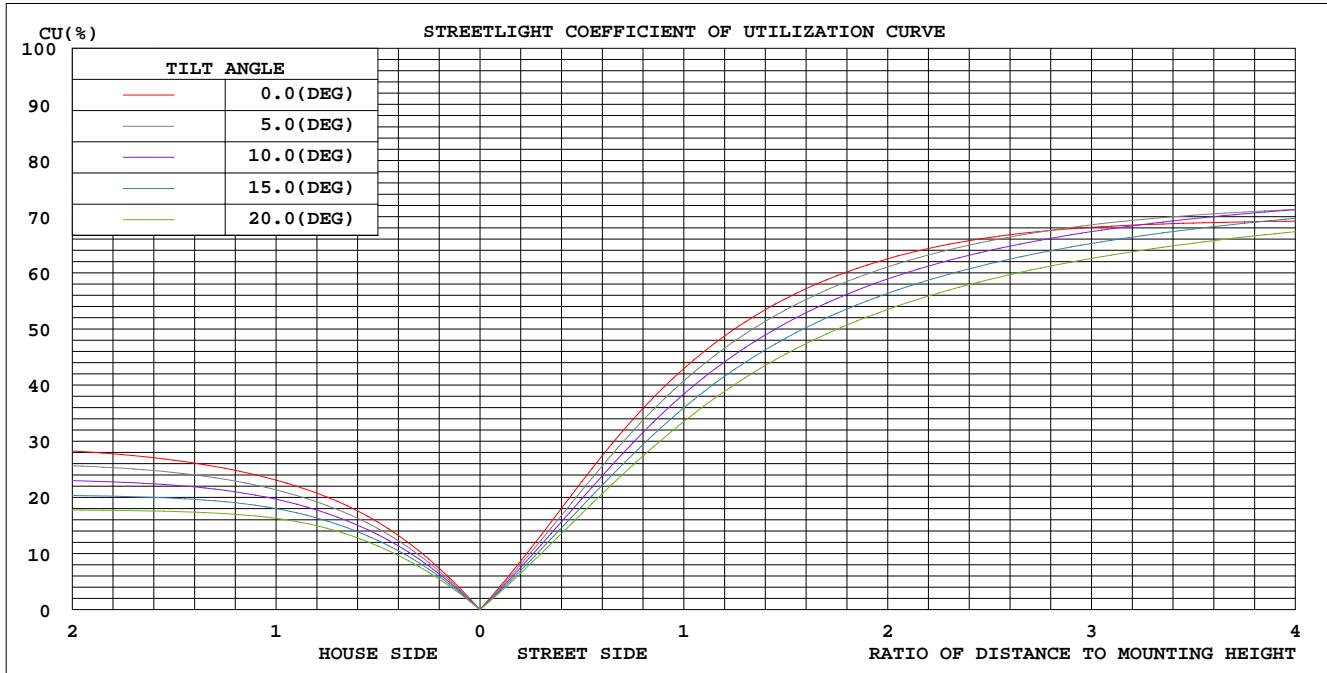
Classification:

IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:125.7cd/klm
 Max.At90:0cd/klm
 Max.80-90:125.7cd/klm
 NRB 5101:Semi limited[24.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4256
90%	3830
80%	3405
70%	2979
60%	2553
50%	2128
40%	1702
30%	1277
20%	851
10%	426
5%	213

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-08-14

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: 2020-08-14

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:

ZONAL FLUX DIAGRAM

Test:U:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

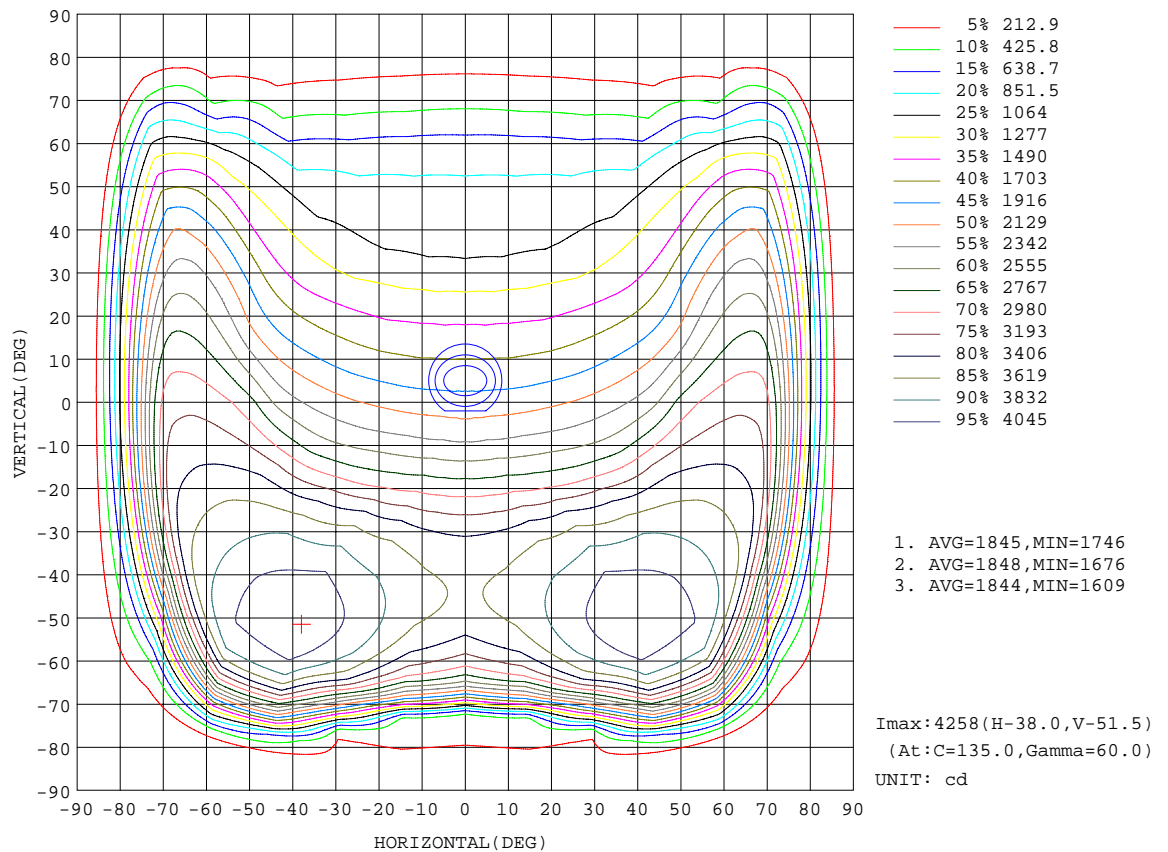
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2025	2274	2375	2274	2025	1793	1700	1793	0- 10	192.5	192.5	1.69,1.69
20	2086	2651	2878	2651	2086	1605	1430	1605	10- 20	590.0	782.5	6.85,6.85
30	2195	3155	3359	3155	2195	1427	1150	1427	20- 30	1014	1797	15.7,15.7
40	2386	3716	3562	3716	2386	1244	942.5	1244	30- 40	1464	3261	28.6,28.6
50	2826	4068	3515	4068	2826	1107	875.1	1107	40- 50	1911	5172	45.3,45.3
60	3098	4256	3068	4256	3098	930.0	706.9	930.0	50- 60	2291	7463	65.4,65.4
70	3022	3867	1163	3867	3022	546.2	366.6	546.2	60- 70	2340	9804	85.8,85.8
80	1085	967.3	204.0	967.3	1085	158.3	136.8	158.3	70- 80	1408	11211	98.2,98.2
90	0	0	0	0	0	0	0	0	80- 90	208.2	11419	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11419	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11419	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11419	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11419	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11419	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11419	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11419	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11419	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11419	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:2020-08-14

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:

ISOCANDELA DIAGRAM

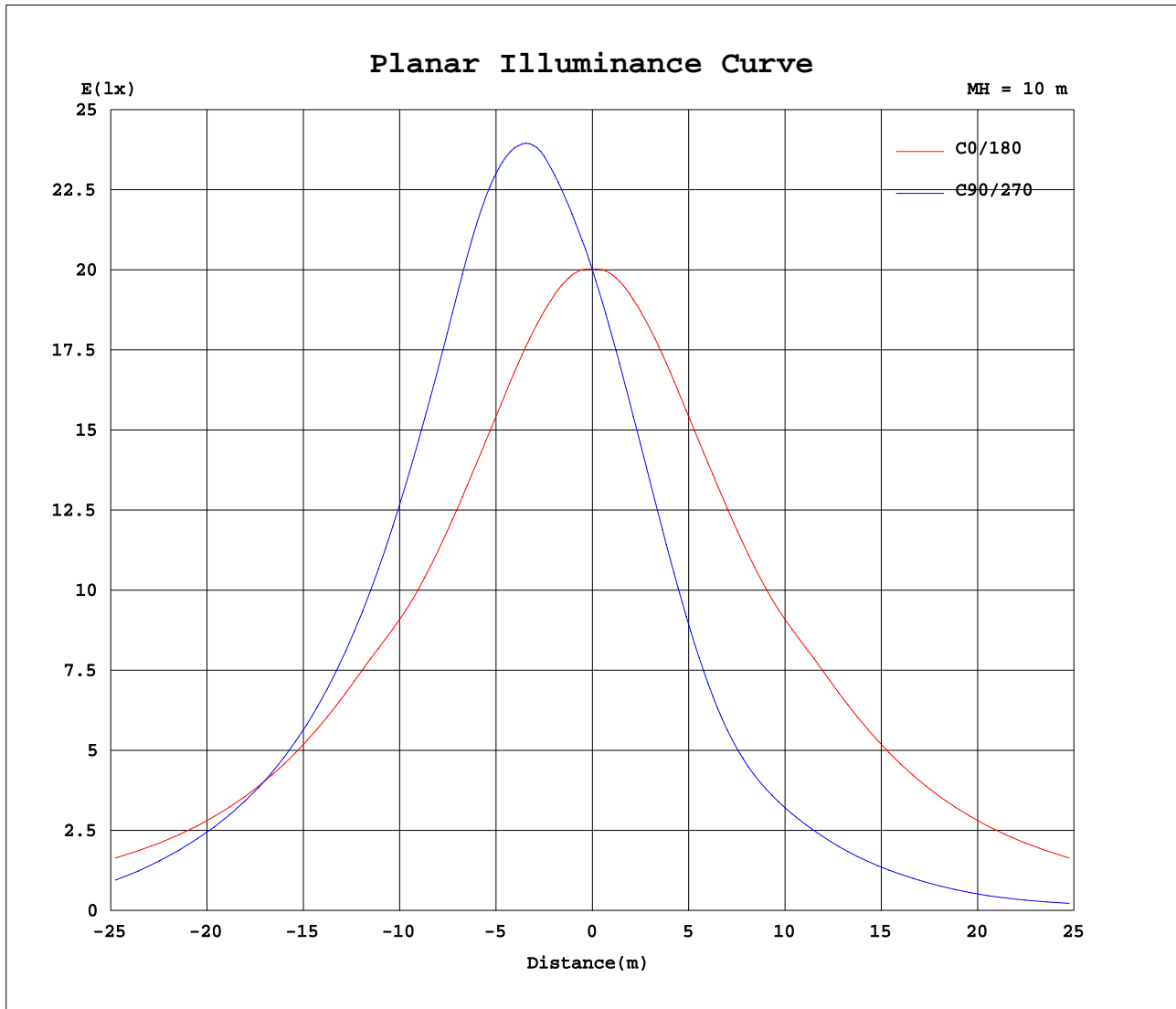
Test:U:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

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:

Planar Illuminance Curve



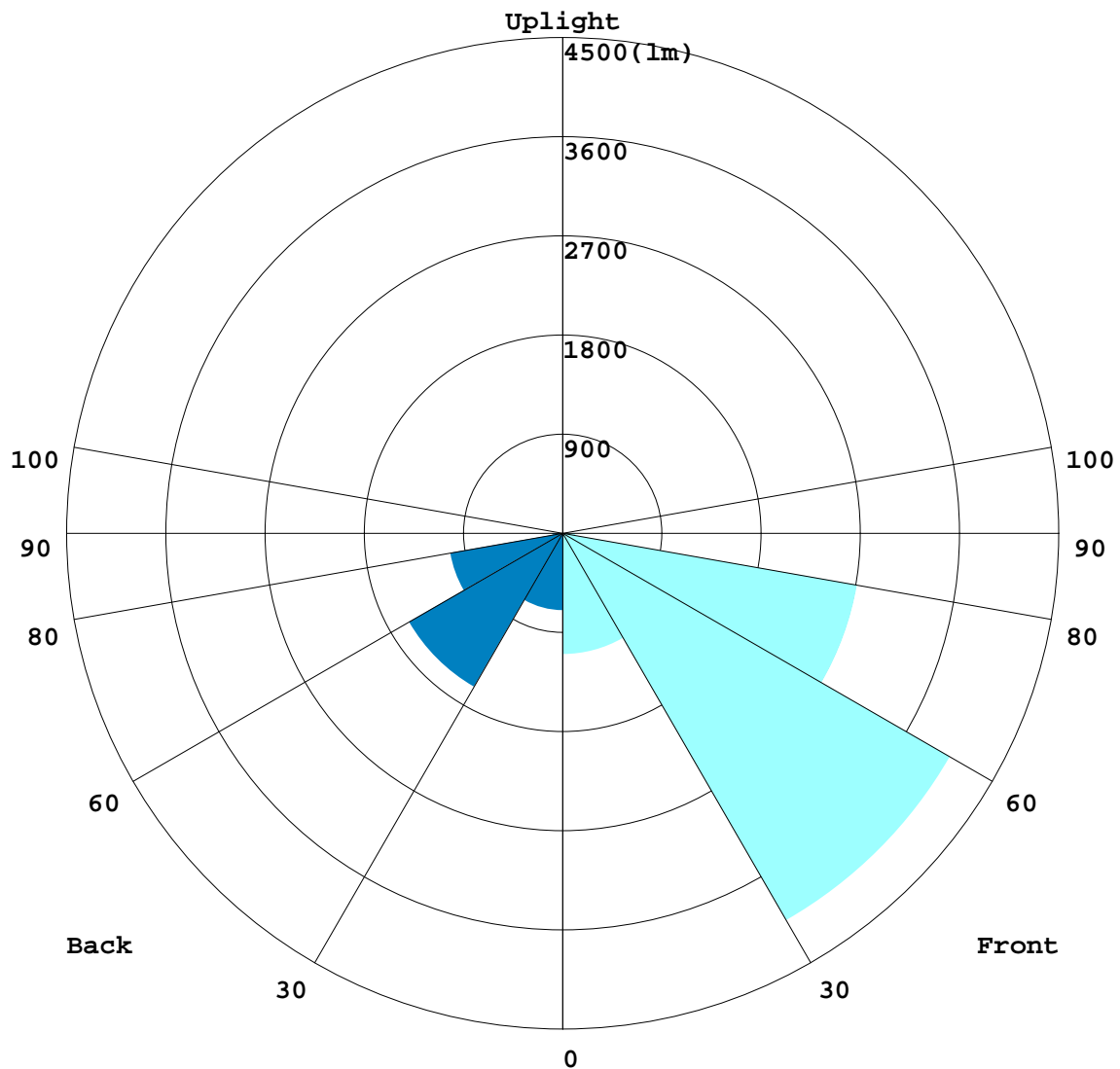
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-08-14

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:

LCS REPORT

Test:U:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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:

BUG REPORT

Test:U:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1097.4	9.6
FM - Front-Medium(30-60)	4057.2	35.5
FH - Front-High(60-80)	2712.6	23.8
FVH - Front-Very High(80-90)	115.55	1.0
Total Forward Light	7982.7	69.9

BL - Back-Low(0-30)	699.42	6.1
BM - Back-Medium(30-60)	1609.3	14.1
BH - Back-High(60-80)	1035.3	9.1
BVH - Back-Very High(80-90)	92.643	0.8
Total Back Light	3436.7	30.1

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-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3436.7	0	3436.7
Street Side	7982.7	0	7982.7

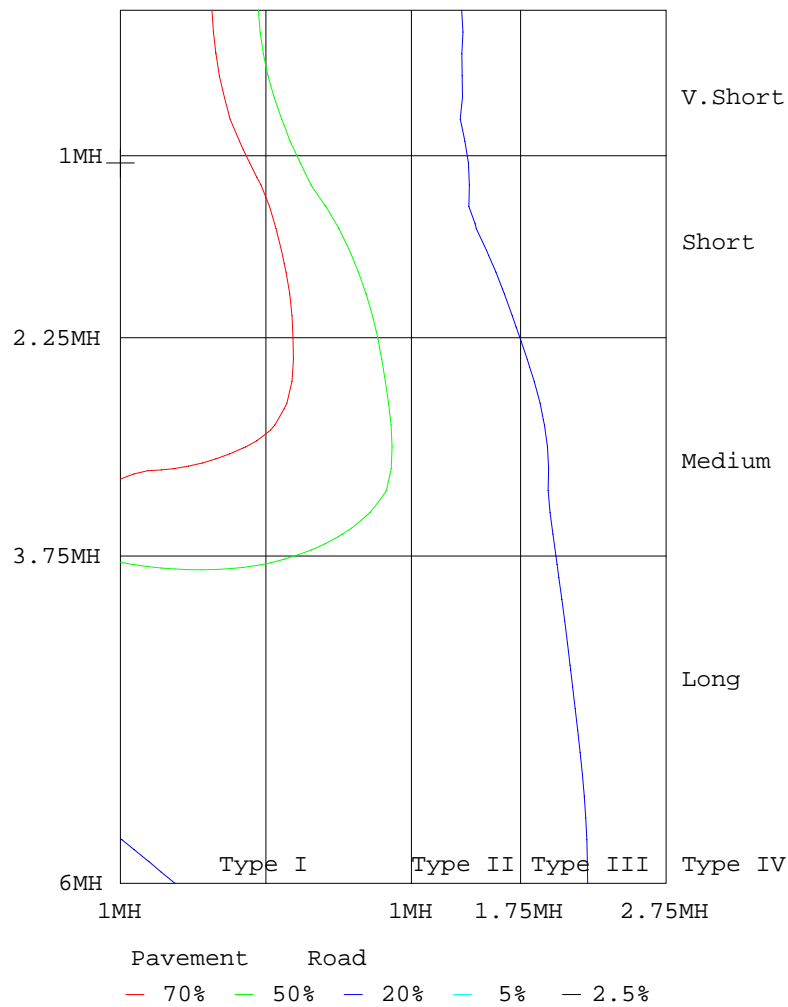
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-08-14

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:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

Table--1

UNIT: cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
5	2008	2051	2091	2126	2150	2164	2167	2164	2150	2126	2091	2051	2008	1966	1927	1893	1867	1850	1842
10	2025	2113	2199	2274	2334	2367	2375	2367	2334	2274	2199	2113	2025	1936	1858	1793	1744	1713	1700
15	2048	2188	2325	2449	2552	2610	2624	2610	2552	2449	2325	2188	2048	1914	1795	1697	1627	1583	1566
20	2086	2275	2471	2651	2793	2867	2878	2867	2793	2651	2471	2275	2086	1901	1736	1605	1512	1452	1430
25	2131	2375	2634	2876	3052	3126	3133	3126	3052	2876	2634	2375	2131	1894	1684	1516	1393	1317	1290
30	2195	2496	2825	3155	3345	3376	3359	3376	3345	3155	2825	2496	2195	1898	1638	1427	1275	1180	1150
35	2278	2647	3096	3479	3576	3540	3497	3540	3576	3479	3096	2647	2278	1914	1589	1334	1158	1058	1024
40	2386	2881	3381	3716	3720	3628	3562	3628	3720	3716	3381	2881	2386	1937	1540	1244	1056	970	942
45	2563	3175	3626	3903	3830	3675	3577	3675	3830	3903	3626	3175	2563	1972	1497	1170	989	927	906
50	2826	3414	3833	4068	3919	3662	3515	3662	3919	4068	3833	3414	2826	2052	1474	1107	944	893	875
55	2996	3553	3964	4197	3954	3565	3357	3565	3954	4197	3964	3553	2996	2218	1466	1035	877	828	814
60	3098	3628	4032	4256	3882	3337	3068	3337	3882	4256	4032	3628	3098	2362	1447	930	772	721	707
65	3133	3642	4050	4174	3638	2876	2498	2876	3638	4174	4050	3642	3133	2404	1385	777	609	541	520
70	3022	3471	3970	3867	2841	1736	1163	1736	2841	3867	3970	3471	3022	2294	1230	546	404	366	367
75	2150	2326	3318	2924	1283	265	241	265	1283	2924	3318	2326	2150	1962	895	317	255	239	239
80	1085	778	1435	967	203	225	204	225	203	967	1435	778	1085	1327	364	158	139	140	137
85	270	110	135	163	145	129	111	129	145	163	135	110	270	378	78.2	55.0	56.4	63.7	60.0
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:2020-08-14

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:43.62V I:1.370A P:59.76W PF:1.000 Freq:0Hz Lamp Flux:11419.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*3	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1996	1996	1996	1996	1996														
5	1850	1867	1893	1927	1966														
10	1713	1744	1793	1858	1936														
15	1583	1627	1697	1795	1914														
20	1452	1512	1605	1736	1901														
25	1317	1393	1516	1684	1894														
30	1180	1275	1427	1638	1898														
35	1058	1158	1334	1589	1914														
40	970	1056	1244	1540	1937														
45	927	989	1170	1497	1972														
50	893	944	1107	1474	2052														
55	828	877	1035	1466	2218														
60	721	772	930	1447	2362														
65	541	609	777	1385	2404														
70	366	404	546	1230	2294														
75	239	255	317	895	1962														
80	140	139	158	364	1327														
85	63.7	56.4	55.0	78.2	378														
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:2020-08-14

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: