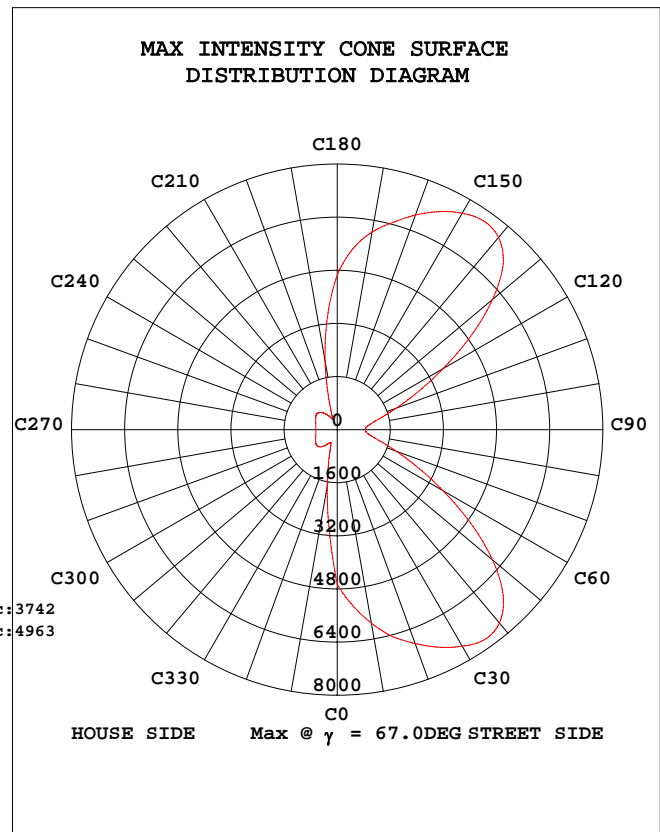
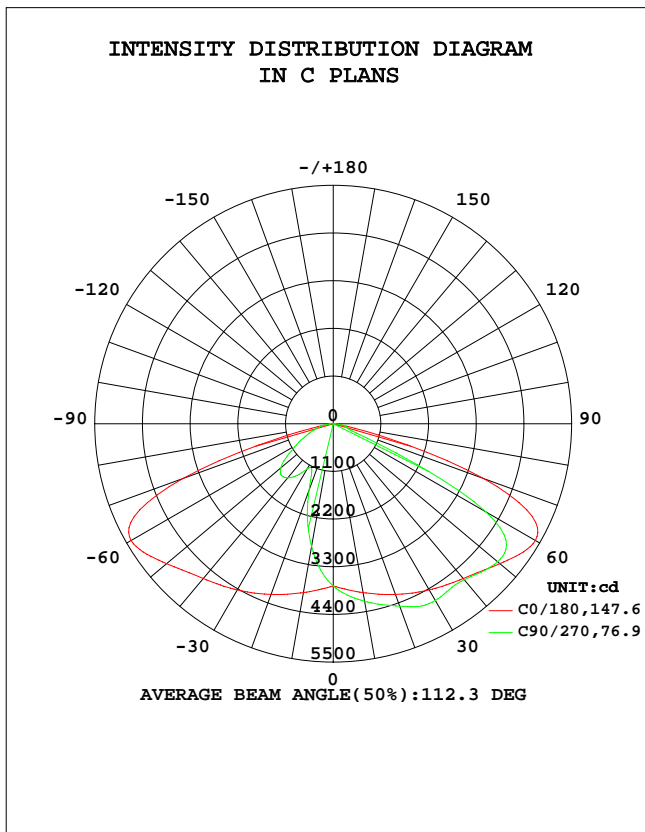


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.67 lm/W			
MODEL	2835	Imax(cd)	7526	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	73.9
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	15933	η house_up(%)	0.0
NOMINAL FLUX(lm)	15932.6	MAXIMUM @(C, γ)	30,67.0	η house_down(%)	26.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	19.246

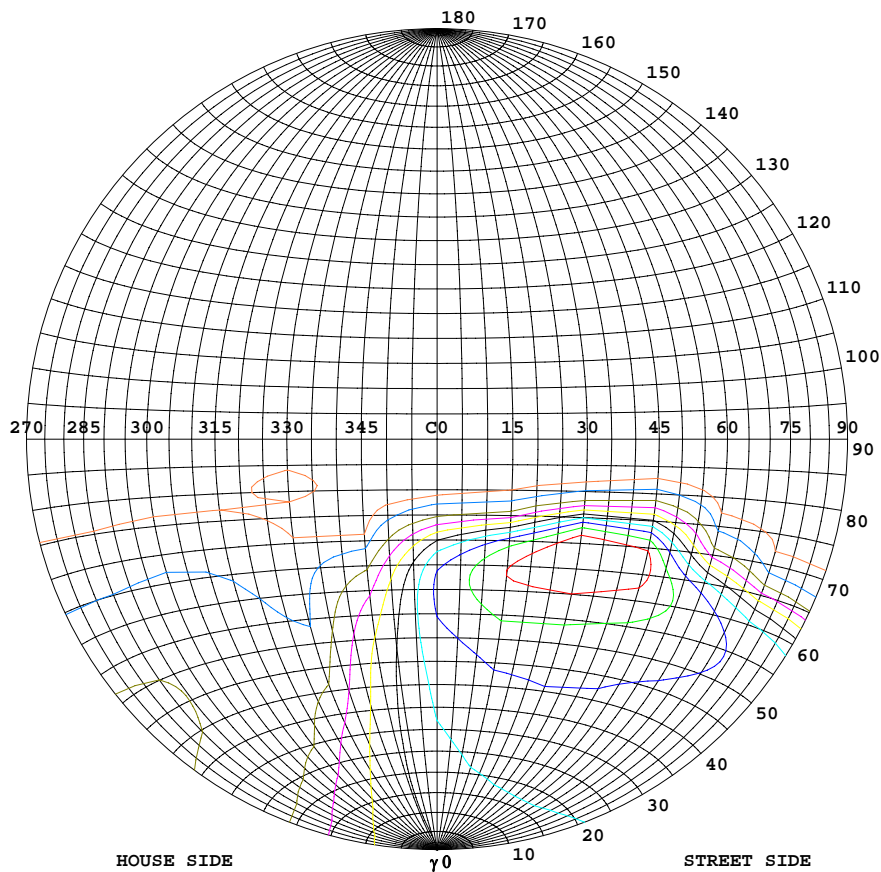


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



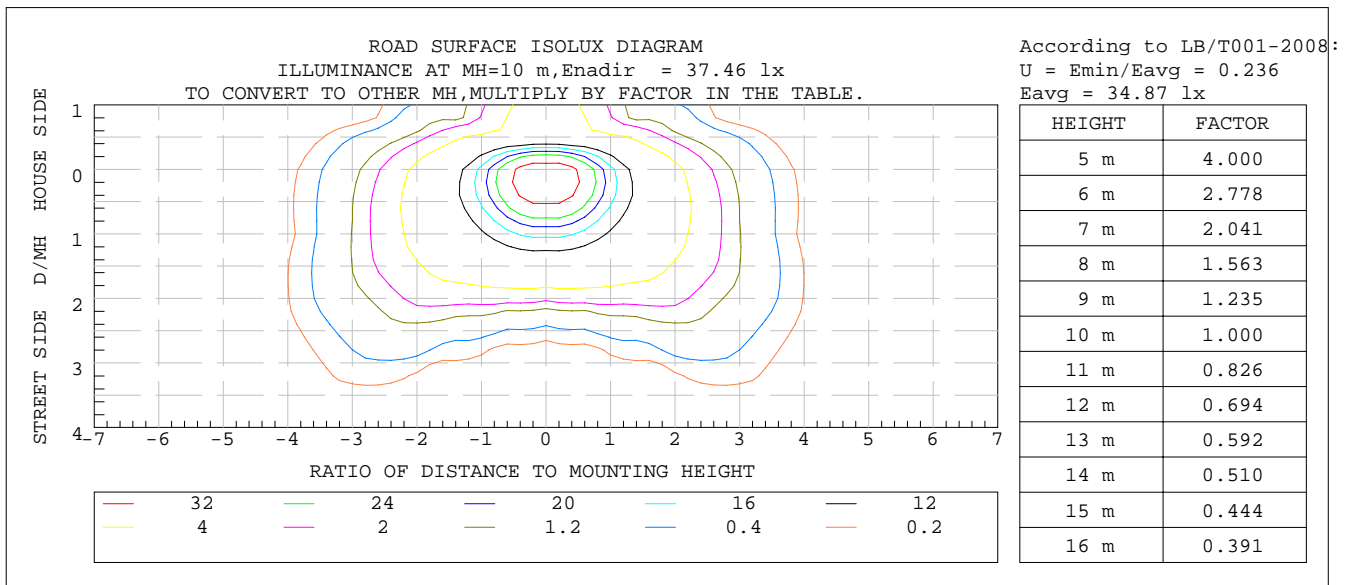
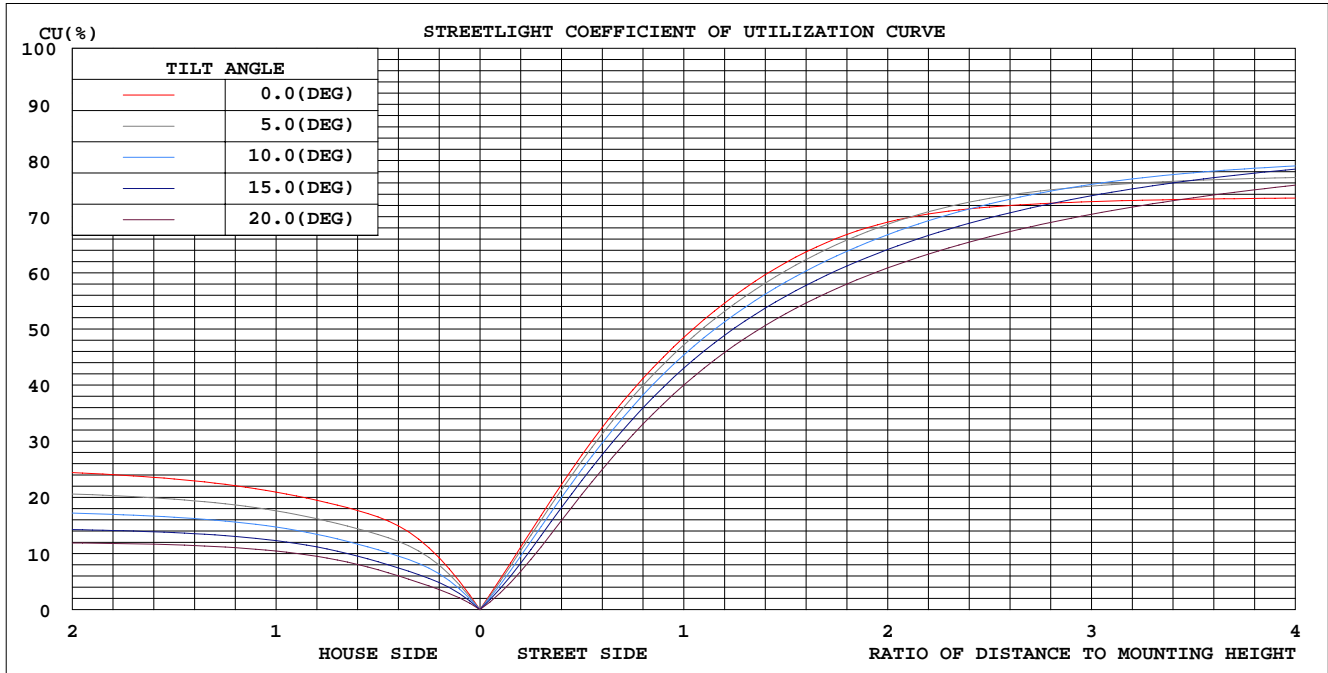
Classification:

IES:Type III - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:62.32cd/klm
Max.At90:0cd/klm
Max.80-90:62.32cd/klm
NRB 5101:Semi limited[15.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7526
90%	6773
80%	6021
70%	5268
60%	4516
50%	3763
40%	3010
30%	2258
20%	1505
10%	753
5%	376

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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: 2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

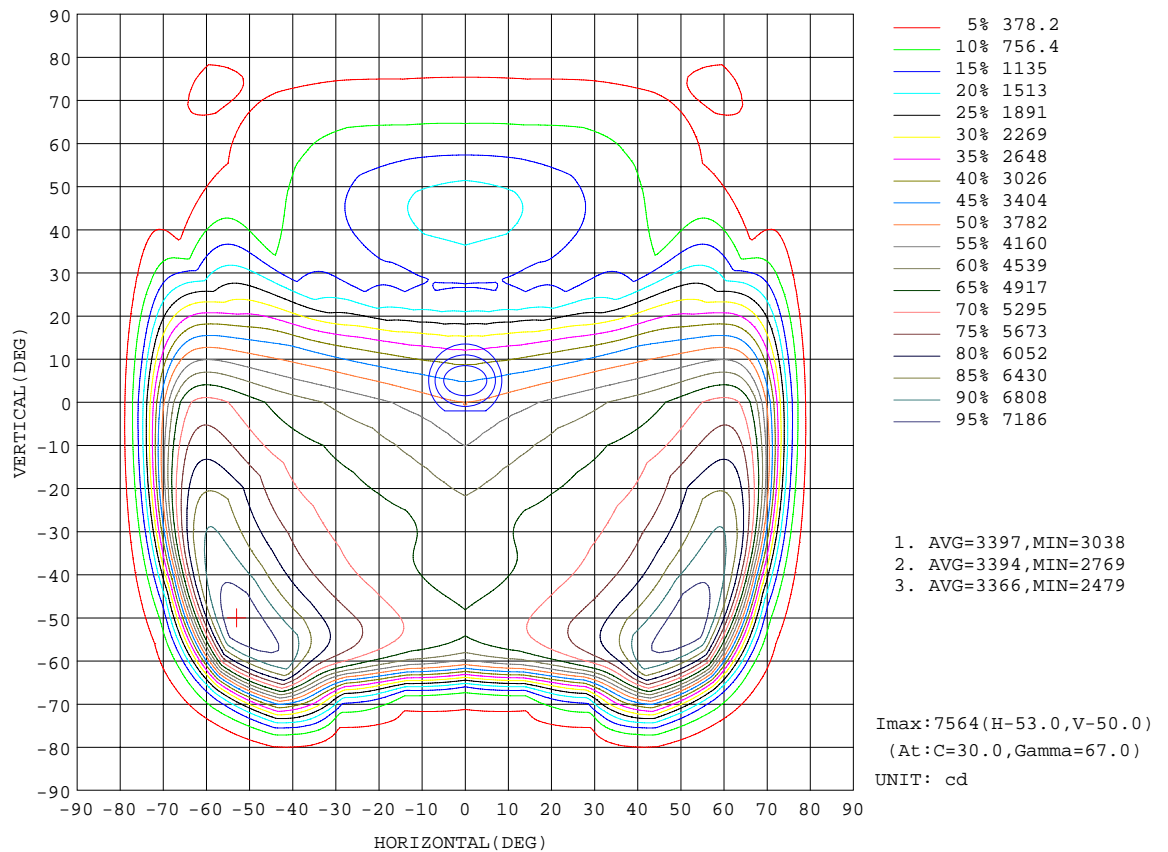
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3955	4221	4156	4221	3955	3286	2878	3286	0- 10	359.4	359.4	2.26,2.26
20	4191	4613	4479	4613	4191	2527	1636	2527	10- 20	1043	1402	8.8,8.8
30	4426	4942	4707	4942	4426	1462	1206	1462	20- 30	1628	3031	19,19
40	4662	5201	4699	5201	4662	932.9	1631	932.9	30- 40	2190	5220	32.8,32.8
50	5020	5563	4951	5563	5020	971.4	1577	971.4	40- 50	2767	7988	50.1,50.1
60	5384	6472	4069	6472	5384	837.8	987.8	837.8	50- 60	3294	11281	70.8,70.8
70	3681	6622	411.1	6622	3681	743.4	541.3	743.4	60- 70	3134	14415	90.5,90.5
80	264.7	993.0	295.2	993.0	264.7	253.2	236.2	253.2	70- 80	1357	15772	99,99
90	0	0	0	0	0	0	0	0	80- 90	161.0	15933	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15933	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15933	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15933	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15933	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15933	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15933	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15933	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15933	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15933	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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

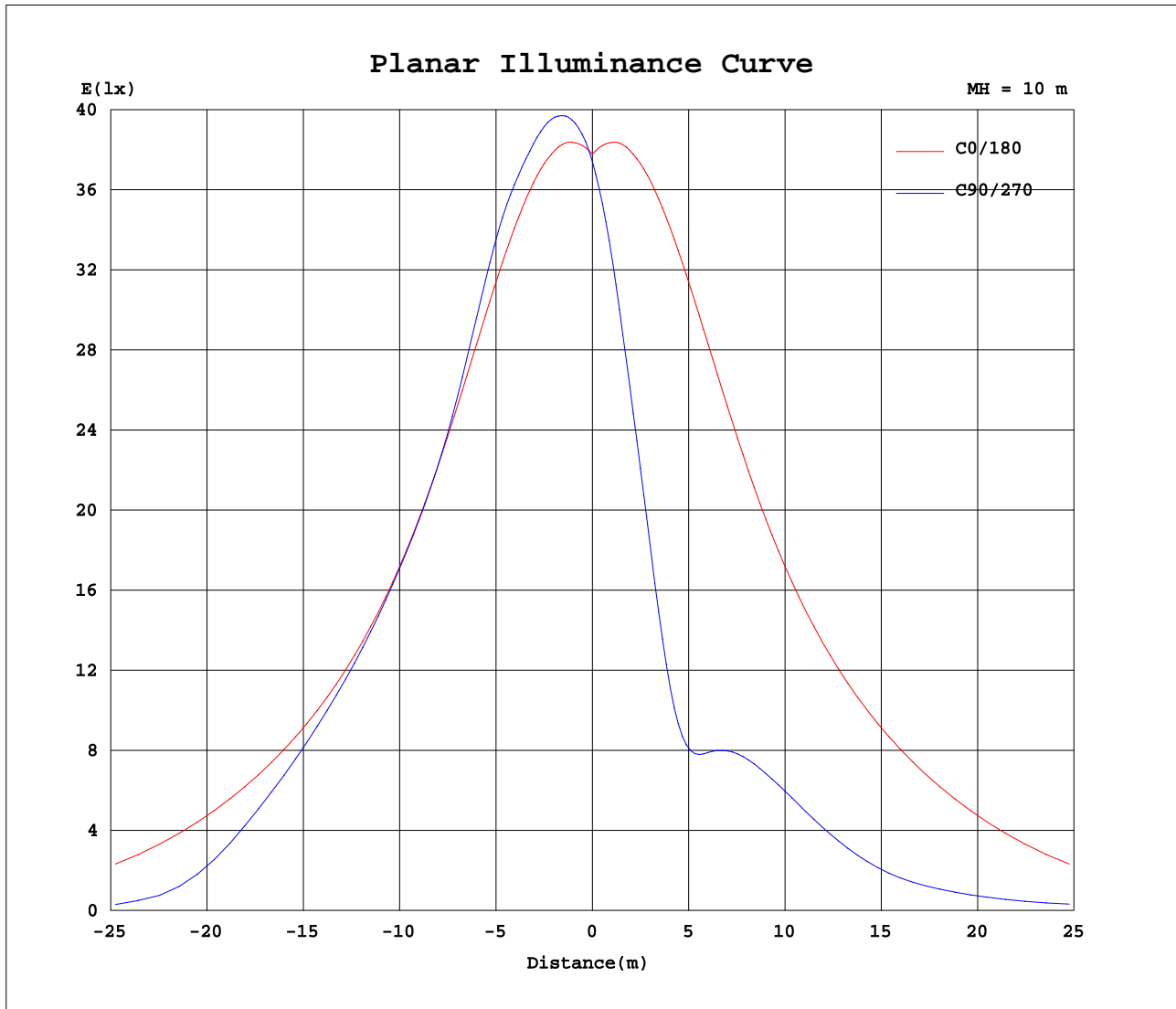
Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



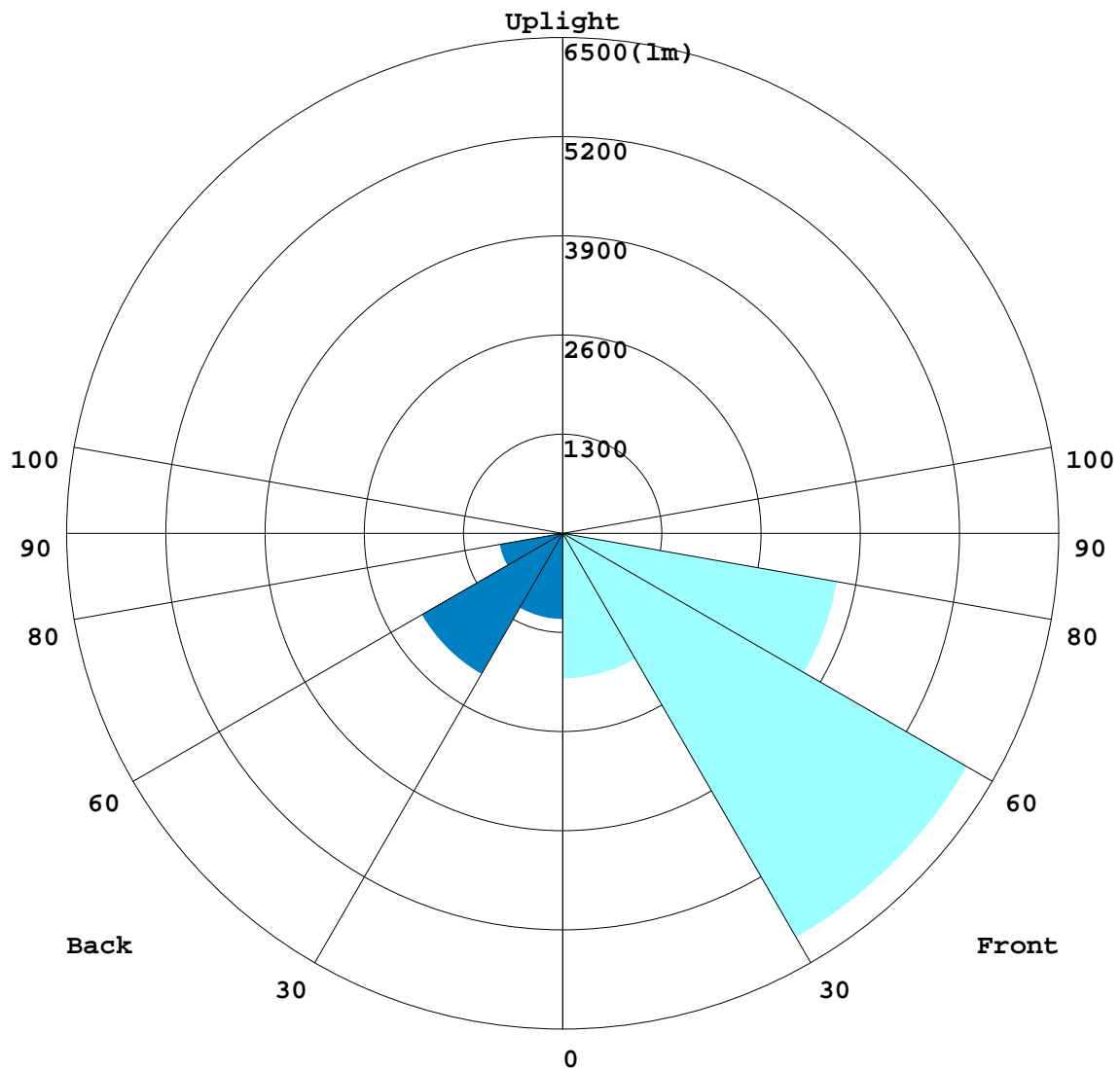
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1903.2	11.9
FM - Front-Medium(30-60)	6119.4	38.4
FH - Front-High(60-80)	3654	22.9
FVH - Front-Very High(80-90)	90.275	0.6
Total Forward Light	11767	73.9

BL - Back-Low(0-30)	1127.5	7.1
BM - Back-Medium(30-60)	2131.2	13.4
BH - Back-High(60-80)	836.26	5.2
BVH - Back-Very High(80-90)	70.703	0.4
Total Back Light	4165.7	26.1

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4165.7	0	4165.7
Street Side	11767	0	11767

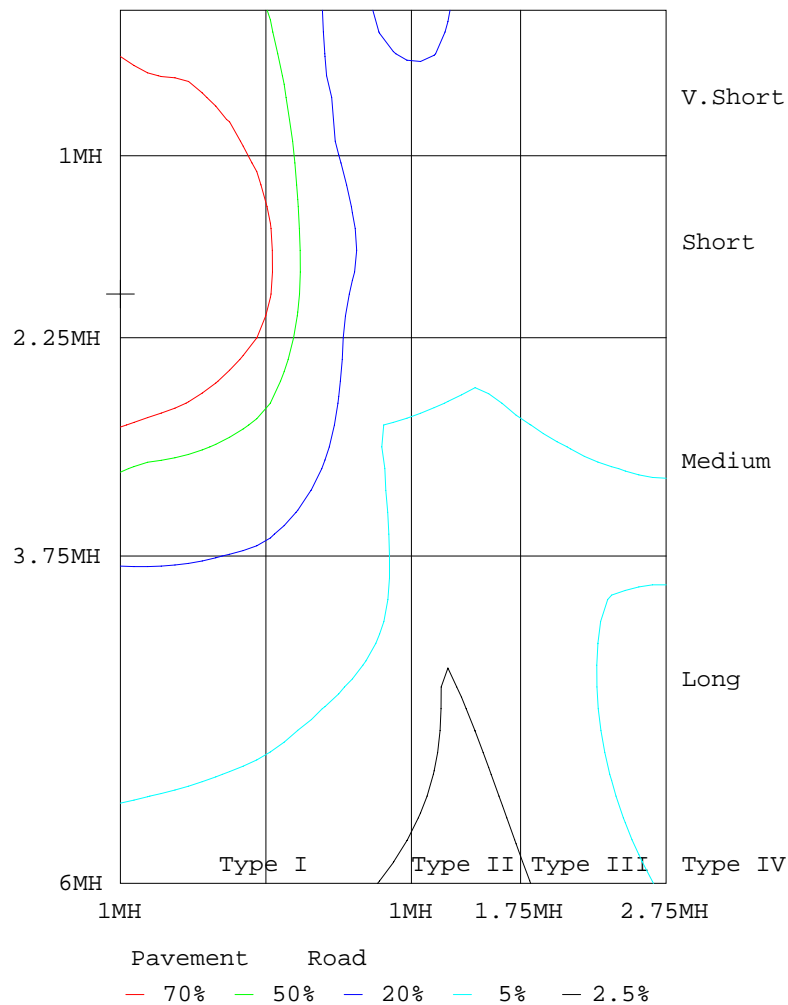
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742	3742
5	3842	3912	3962	3992	4001	4000	3977	4000	4001	3992	3962	3912	3842	3754	3659	3563	3482	3415	3385
10	3955	4091	4176	4221	4222	4206	4156	4206	4222	4221	4176	4091	3955	3762	3534	3286	3088	2936	2878
15	4071	4269	4373	4423	4426	4397	4319	4397	4426	4423	4373	4269	4071	3753	3347	2937	2614	2380	2300
20	4191	4439	4552	4613	4608	4574	4479	4574	4608	4613	4552	4439	4191	3732	3125	2527	2044	1724	1636
25	4310	4601	4720	4783	4792	4763	4652	4763	4792	4783	4720	4601	4310	3691	2864	2004	1443	1208	1174
30	4426	4755	4881	4942	4945	4860	4707	4860	4945	4942	4881	4755	4426	3642	2529	1462	1096	1147	1206
35	4542	4911	5037	5084	5011	4857	4669	4857	5011	5084	5037	4911	4542	3573	2091	1094	1102	1349	1452
40	4662	5084	5202	5201	5056	4889	4699	4889	5056	5201	5202	5084	4662	3470	1632	933	1236	1520	1631
45	4817	5318	5402	5335	5189	5025	4835	5025	5189	5335	5402	5318	4817	3318	1251	958	1309	1585	1688
50	5020	5651	5681	5563	5409	5182	4951	5182	5409	5563	5681	5651	5020	3062	931	971	1304	1513	1577
55	5247	6099	6102	5941	5650	5212	4879	5212	5650	5941	6102	6099	5247	2680	700	926	1190	1283	1296
60	5384	6570	6727	6472	5676	4676	4069	4676	5676	6472	6727	6570	5384	2137	588	838	1002	1001	988
65	5065	6701	7393	7011	4688	2466	1606	2466	4688	7011	7393	6701	5065	1375	496	735	837	762	737
70	3681	5524	7248	6622	2029	522	411	522	2029	6622	7248	5524	3681	511	400	743	619	557	541
75	1359	1945	4438	3842	584	310	297	310	584	3842	4438	1945	1359	226	311	484	430	394	390
80	265	377	790	993	251	286	295	286	251	993	790	377	265	144	508	253	254	229	236
85	72.3	90.6	137	175	161	111	97.9	111	161	175	137	90.6	72.3	65.7	293	99.6	102	99.7	99.3
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:2022-12-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:479.0V I:0.2153A P:97.35W PF:0.9441 Freq:60.01Hz Lamp Flux:15932.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-100WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	3742	3742	3742	3742	3742													
5	3415	3482	3563	3659	3754													
10	2936	3088	3286	3534	3762													
15	2380	2614	2937	3347	3753													
20	1724	2044	2527	3125	3732													
25	1208	1443	2004	2864	3691													
30	1147	1096	1462	2529	3642													
35	1349	1102	1094	2091	3573													
40	1520	1236	933	1632	3470													
45	1585	1309	958	1251	3318													
50	1513	1304	971	931	3062													
55	1283	1190	926	700	2680													
60	1001	1002	838	588	2137													
65	762	837	735	496	1375													
70	557	619	743	400	511													
75	394	430	484	311	226													
80	229	254	253	508	144													
85	99.7	102	99.6	293	65.7													
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:2022-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: