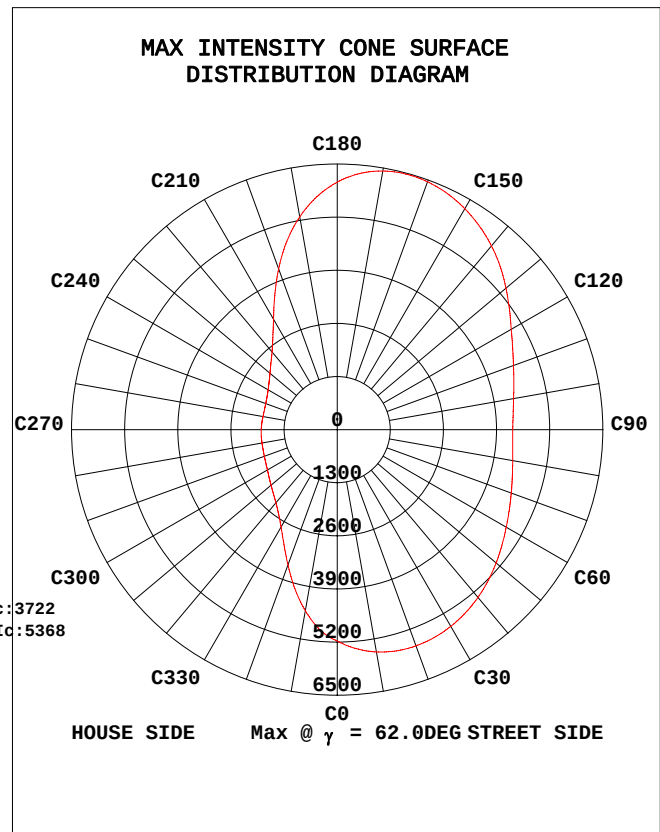
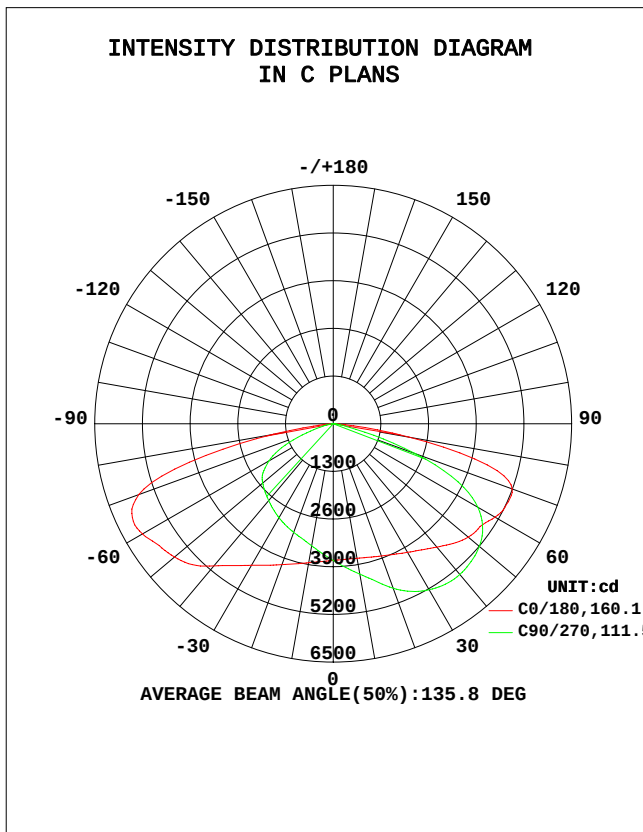


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.99 lm/W			
MODEL	3030	I _{max} (cd)	6478	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	62.7
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19277	η house_up(%)	0.0
NOMINAL FLUX(lm)	19276.9	MAXIMUM @(C,γ)	165,62.0	η house_down(%)	37.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.632

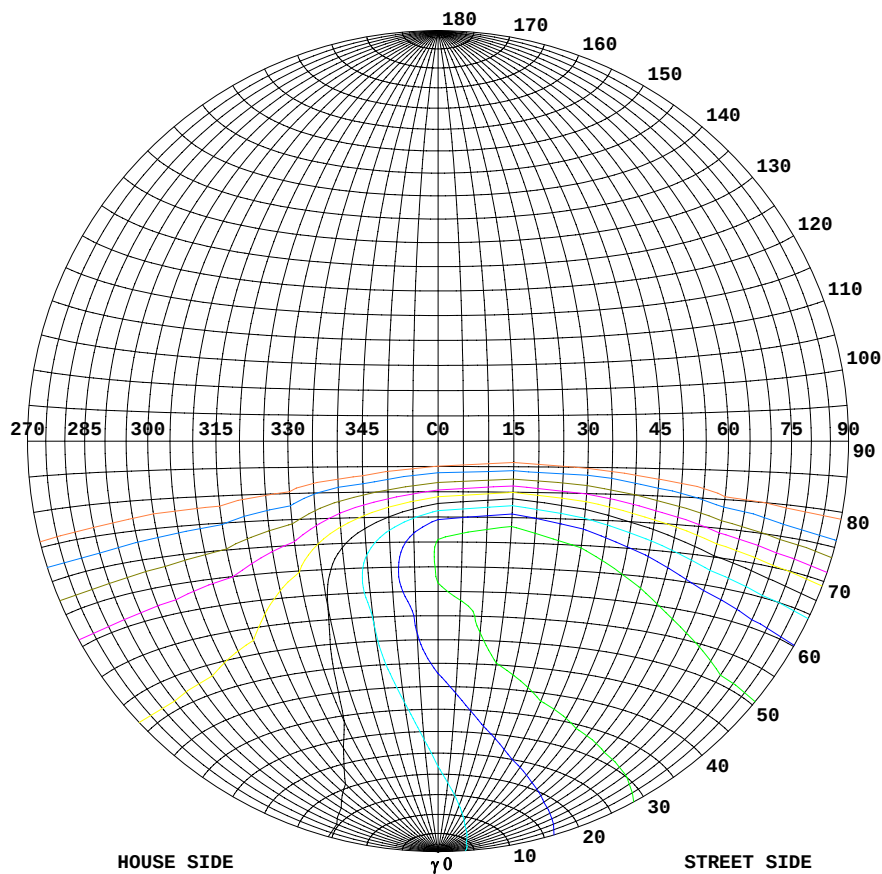


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



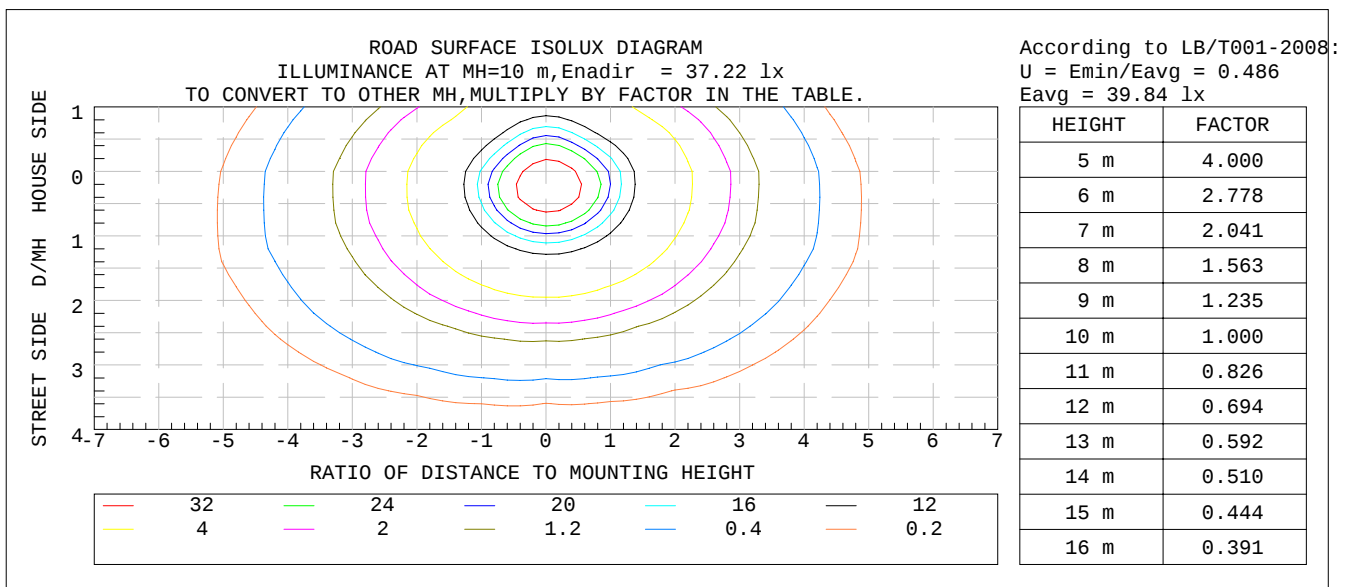
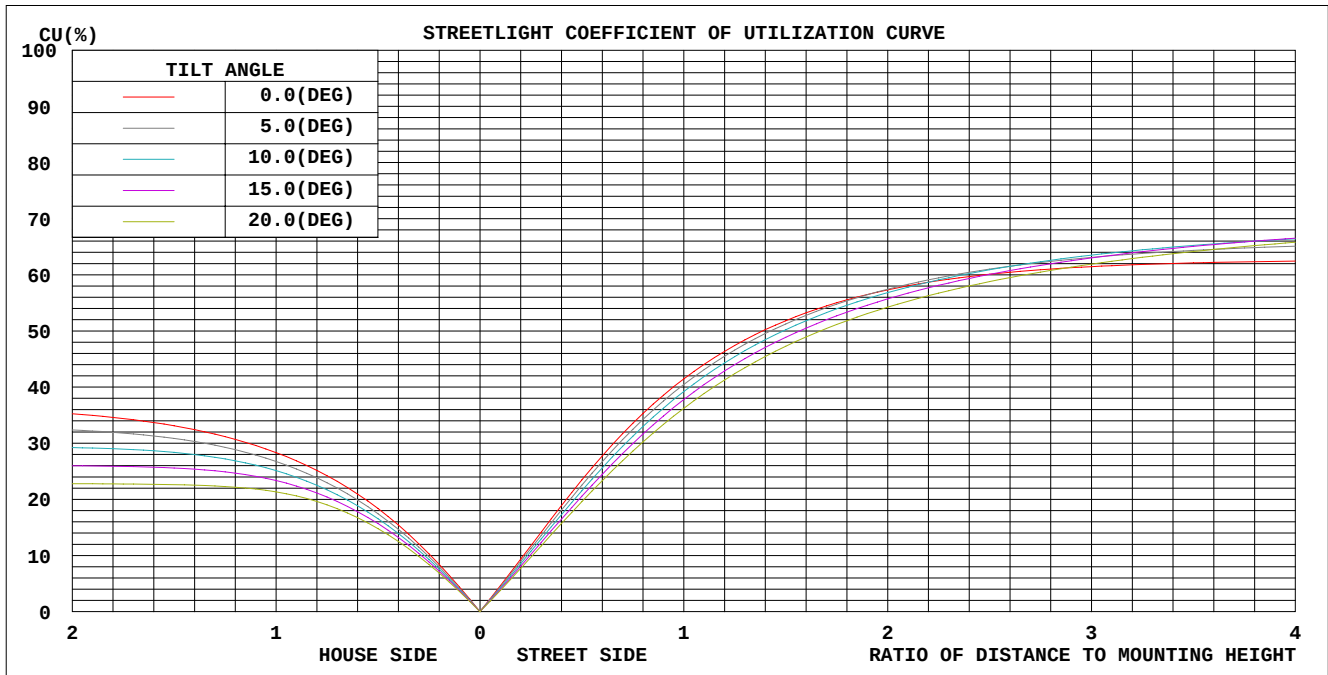
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:132.9cd/klm
 Max.At90:0cd/klm
 Max.80-90:132.9cd/klm
 NRB 5101:Semi limited[22.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6478
90%	5830
80%	5182
70%	4535
60%	3887
50%	3239
40%	2591
30%	1943
20%	1296
10%	648
5%	324

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_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: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

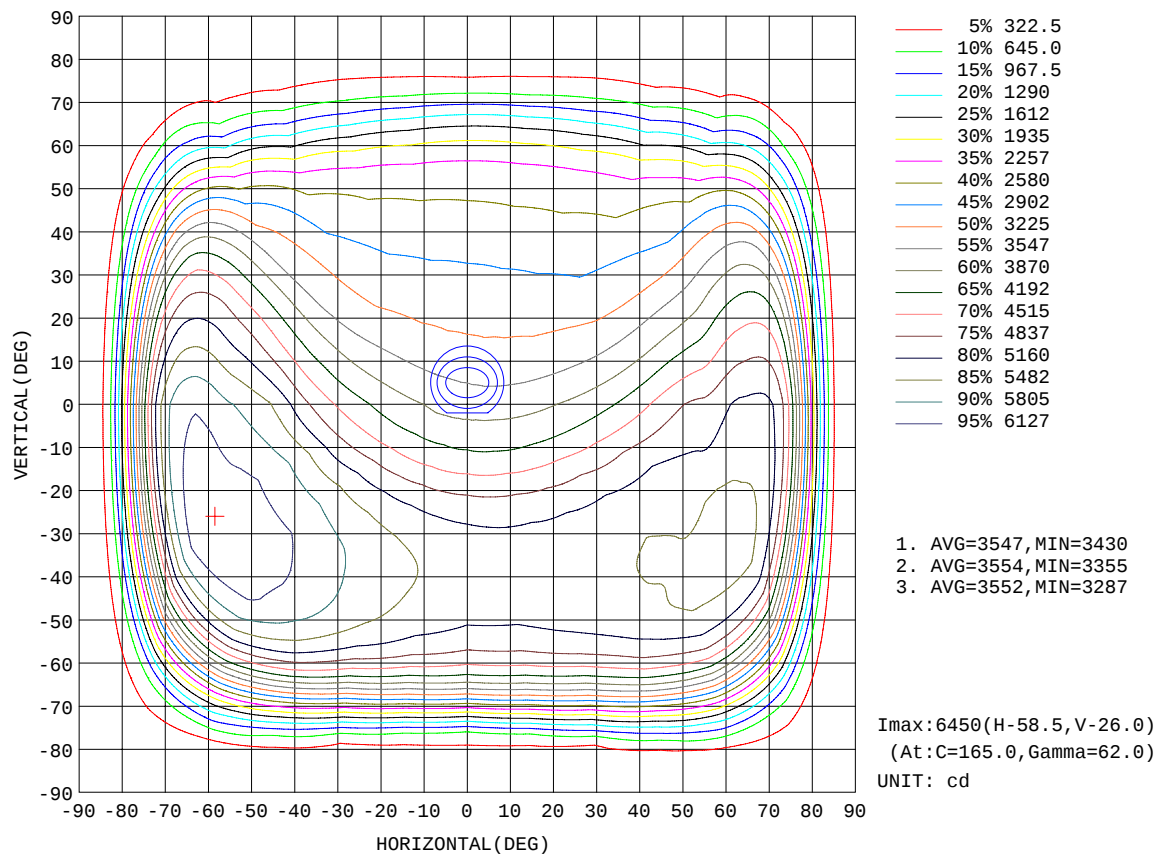
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3725	4008	4162	4114	3848	3531	3383	3462	0- 10	358.3	358.3	1.86,1.86
20	3838	4454	4771	4660	4089	3379	3153	3266	10- 20	1095	1453	7.54,7.54
30	4049	4999	5228	5319	4457	3228	2959	3079	20- 30	1884	3337	17.3,17.3
40	4392	5345	5367	5753	5059	3080	2739	2886	30- 40	2675	6012	31.2,31.2
50	4807	5445	5200	5933	5651	2884	2513	2674	40- 50	3381	9393	48.7,48.7
60	5095	5310	4553	5778	6008	2454	2021	2327	50- 60	3856	13249	68.7,68.7
70	5189	4297	2374	4265	5637	1227	903.7	1319	60- 70	3724	16974	88.1,88.1
80	2095	1029	271.0	816.8	1656	204.0	156.1	226.8	70- 80	2070	19043	98.8,98.8
90	0	0	0	0	0	0	0	0	80- 90	233.5	19277	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19277	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19277	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19277	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19277	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19277	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19277	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19277	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19277	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19277	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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

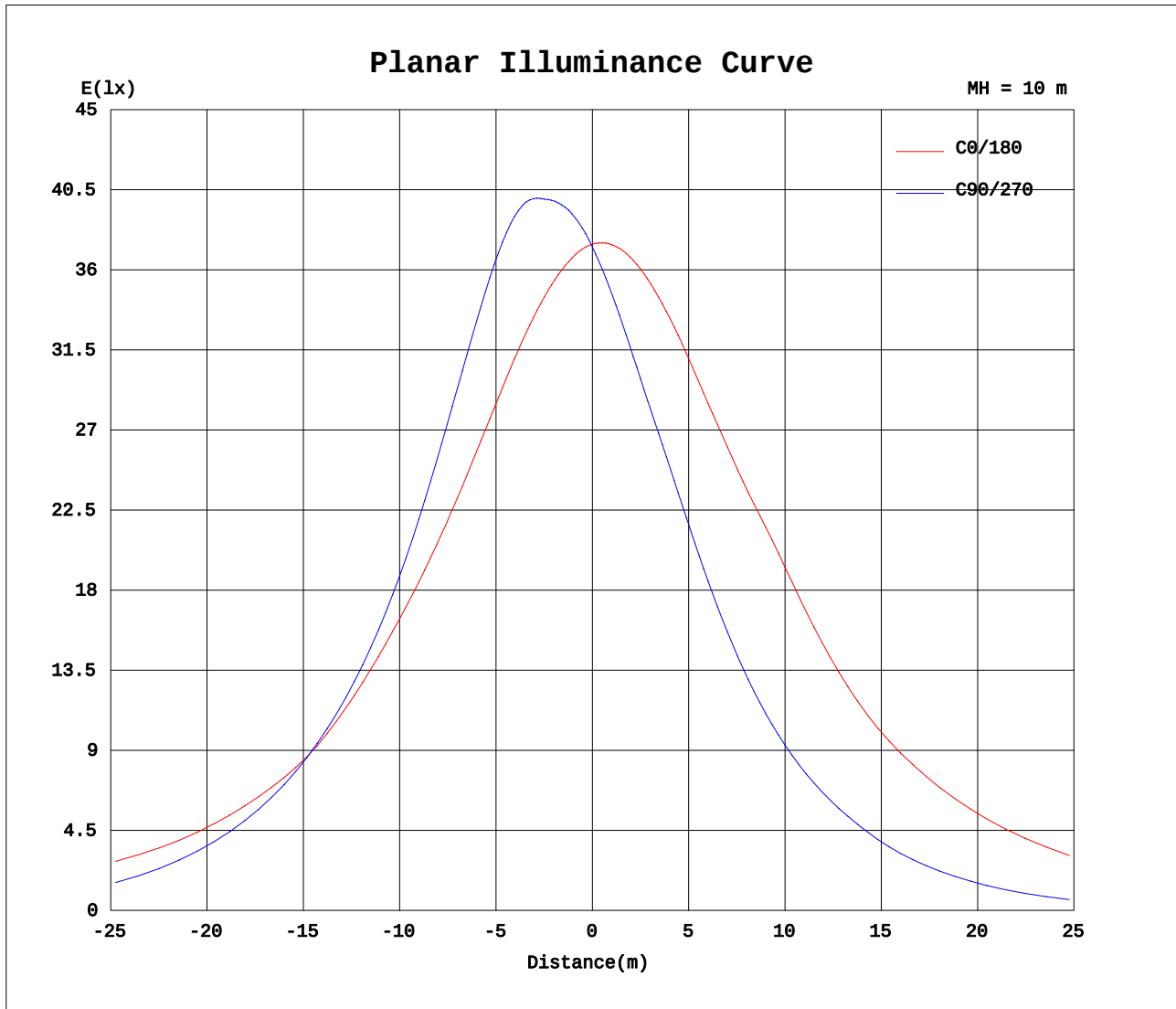
Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



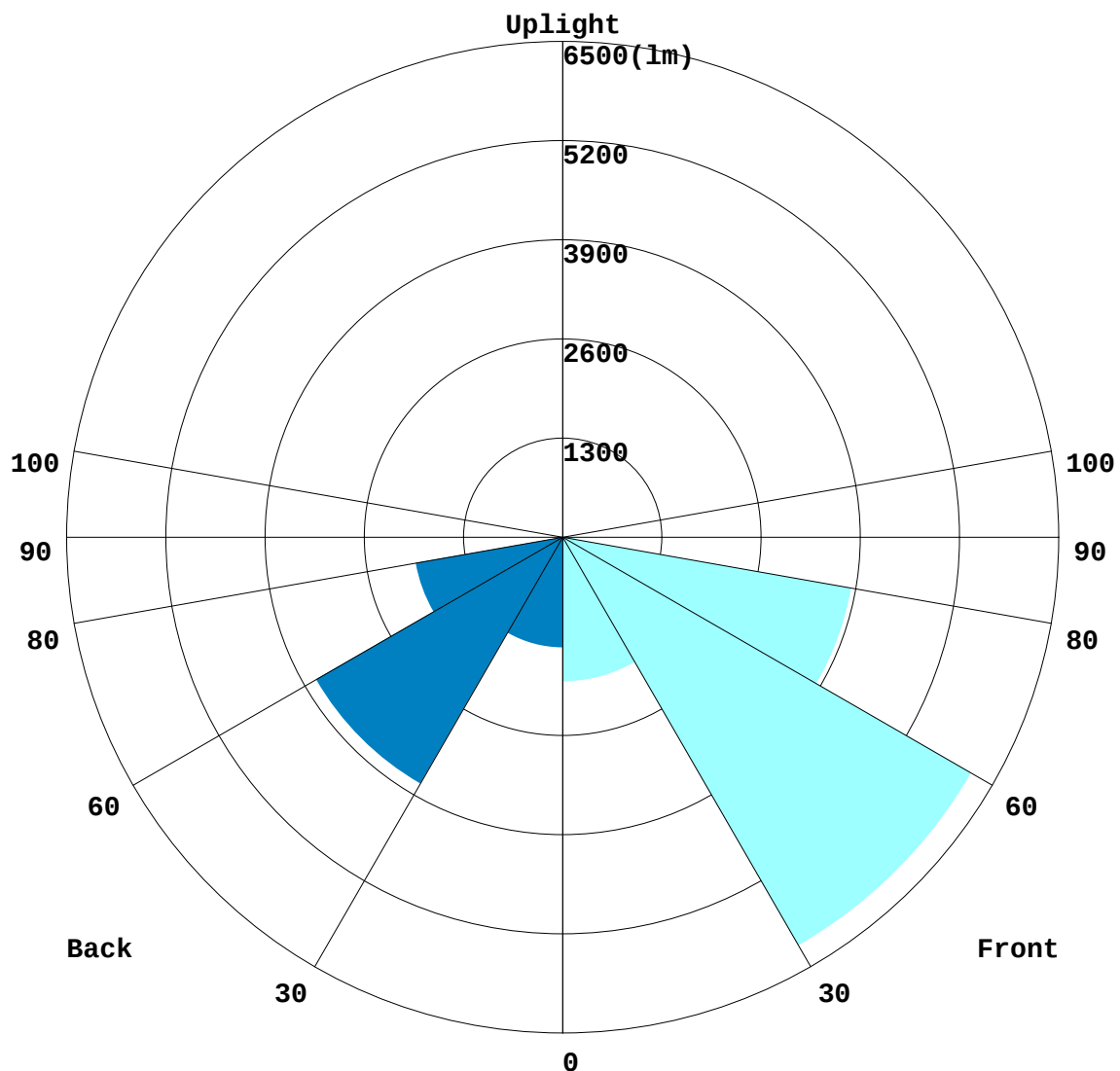
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120W iLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1891.3	9.8
FM - Front-Medium(30-60)	6181.5	32.1
FH - Front-High(60-80)	3840	19.9
FVH - Front-Very High(80-90)	165.7	0.9
Total Forward Light	12079	62.7

BL - Back-Low(0-30)	1446.1	7.5
BM - Back-Medium(30-60)	3730.4	19.4
BH - Back-High(60-80)	1954.1	10.1
BVH - Back-Very High(80-90)	67.764	0.4
Total Back Light	7198.4	37.3

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7198.4	0	7198.4
Street Side	12079	0	12079

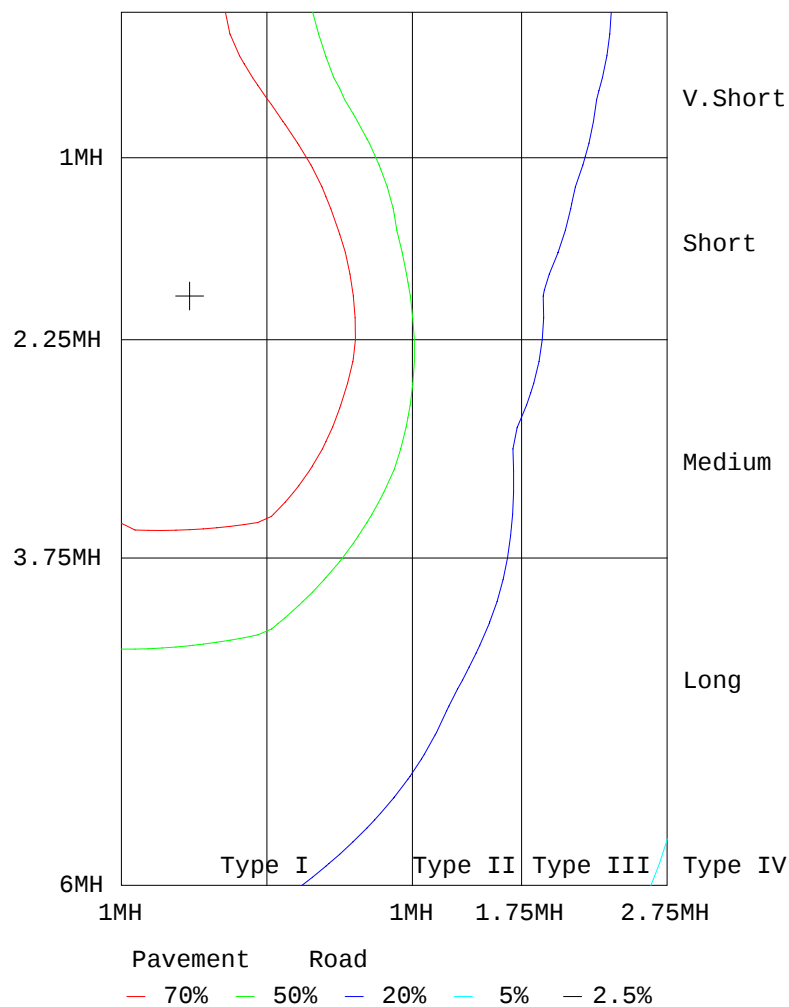
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120W iLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728	3728
5	3712	3761	3812	3855	3893	3920	3934	3937	3927	3904	3868	3823	3773	3720	3666	3619	3583	3556	3543
10	3725	3826	3925	4008	4080	4130	4162	4169	4157	4114	4047	3954	3848	3737	3626	3531	3457	3408	3383
15	3768	3923	4075	4198	4310	4386	4438	4444	4421	4357	4264	4124	3953	3776	3598	3453	3342	3278	3249
20	3838	4058	4269	4454	4610	4710	4771	4783	4754	4660	4522	4328	4089	3831	3582	3379	3246	3183	3153
25	3929	4228	4523	4747	4898	4986	5043	5079	5076	5006	4844	4579	4258	3899	3561	3302	3160	3092	3060
30	4049	4444	4793	4999	5120	5179	5228	5287	5332	5319	5196	4877	4457	3993	3540	3228	3071	2994	2959
35	4199	4691	5032	5205	5266	5297	5338	5416	5504	5569	5520	5255	4721	4122	3532	3155	2973	2888	2851
40	4392	4947	5231	5345	5352	5342	5367	5464	5607	5753	5796	5648	5059	4278	3531	3080	2872	2776	2739
45	4617	5152	5379	5423	5364	5311	5315	5433	5630	5870	6018	5927	5430	4464	3532	2995	2754	2660	2629
50	4807	5290	5465	5445	5322	5221	5200	5347	5606	5933	6180	6126	5651	4645	3503	2884	2622	2532	2513
55	4887	5376	5517	5417	5220	5037	4973	5151	5484	5934	6283	6289	5793	4752	3425	2715	2452	2354	2341
60	5095	5558	5519	5310	4957	4668	4553	4739	5146	5778	6261	6462	6008	4808	3241	2454	2139	2011	2021
65	5212	5638	5495	5018	4382	3952	3757	3942	4443	5311	6034	6413	6042	4647	2850	1953	1643	1534	1556
70	5189	5541	5110	4297	3296	2674	2374	2614	3187	4265	5263	5938	5637	4010	2085	1227	990	897	904
75	4346	4764	3968	2791	1687	1149	897	1075	1532	2528	3623	4438	4057	2559	979	546	451	402	382
80	2095	2563	1891	1029	374	293	271	282	332	817	1463	1926	1656	846	298	204	198	161	156
85	333	488	285	115	82.3	54.5	45.1	51.8	68.3	84.4	154	278	242	86.6	49.4	39.2	46.8	38.4	40.2
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:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5672A P:119.7W PF:0.9627 Freq:60.01Hz Lamp Flux:19276.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	3728	3728	3728	3728	3728													
5	3543	3555	3580	3617	3662													
10	3385	3410	3462	3532	3623													
15	3252	3287	3361	3468	3608													
20	3154	3182	3266	3412	3610													
25	3061	3089	3173	3354	3623													
30	2959	2990	3079	3293	3643													
35	2851	2885	2984	3234	3684													
40	2743	2776	2886	3181	3744													
45	2628	2664	2787	3126	3818													
50	2512	2544	2674	3052	3877													
55	2355	2397	2527	2954	3912													
60	2038	2138	2327	2825	4004													
65	1583	1700	1944	2581	4000													
70	938	1066	1319	2066	3704													
75	413	486	615	1123	2712													
80	164	216	227	350	1132													
85	40.6	52.4	45.3	59.0	124													
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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: