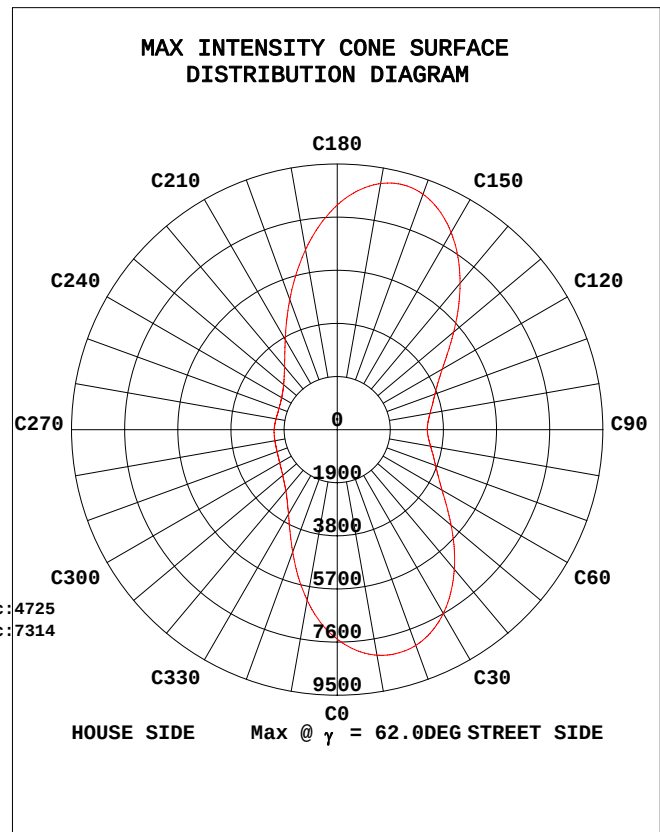
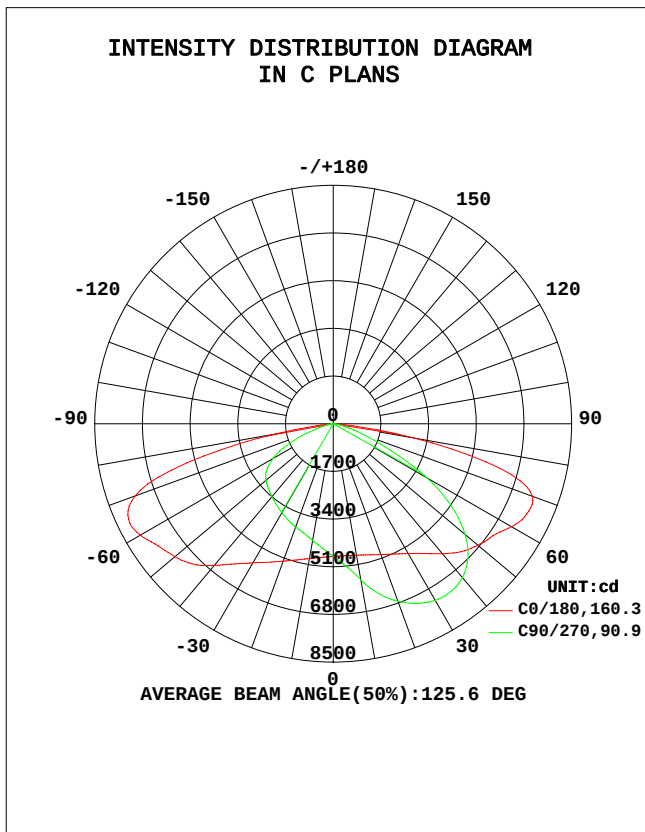


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.92 lm/W			
MODEL	3030	I _{max} (cd)	9070	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	62.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23834	η house_up(%)	0.0
NOMINAL FLUX(lm)	23833.6	MAXIMUM @(C,γ)	165,62.0	η house_down(%)	37.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.959

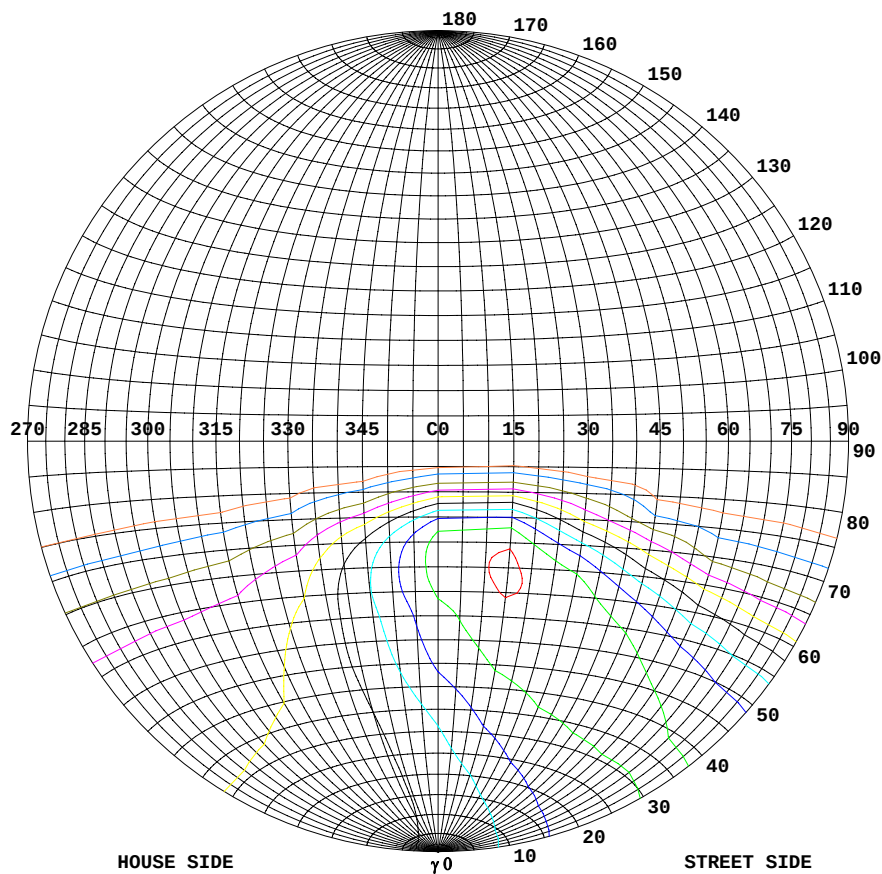


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



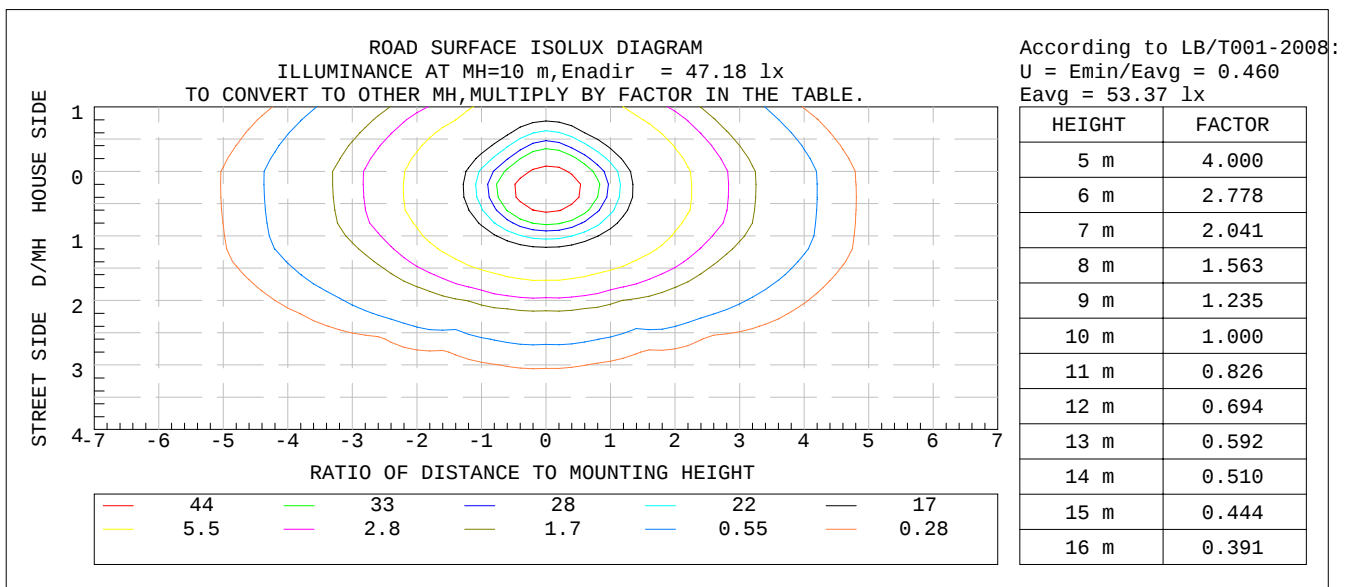
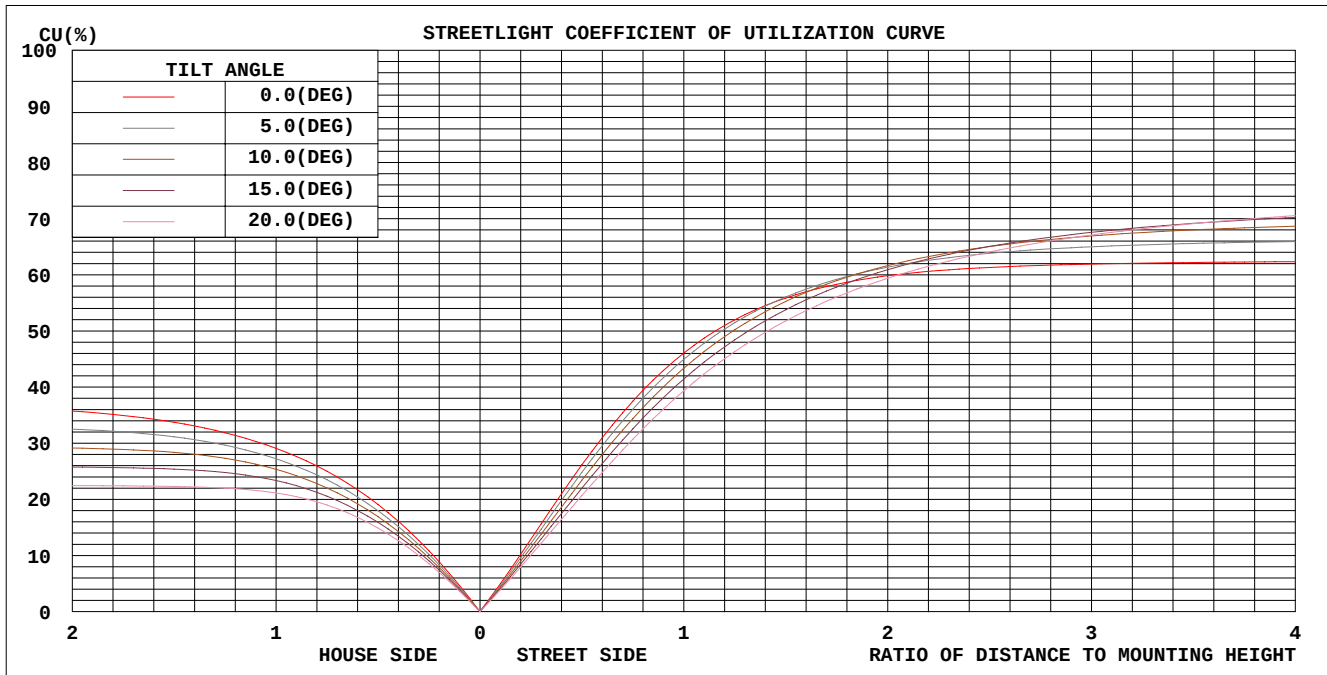
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:131.7cd/klm
 Max.At90:0cd/klm
 Max.80-90:131.7cd/klm
 NRB 5101:Semi limited[24.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9070
90%	8163
80%	7256
70%	6349
60%	5442
50%	4535
40%	3628
30%	2721
20%	1814
10%	907
5%	454

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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

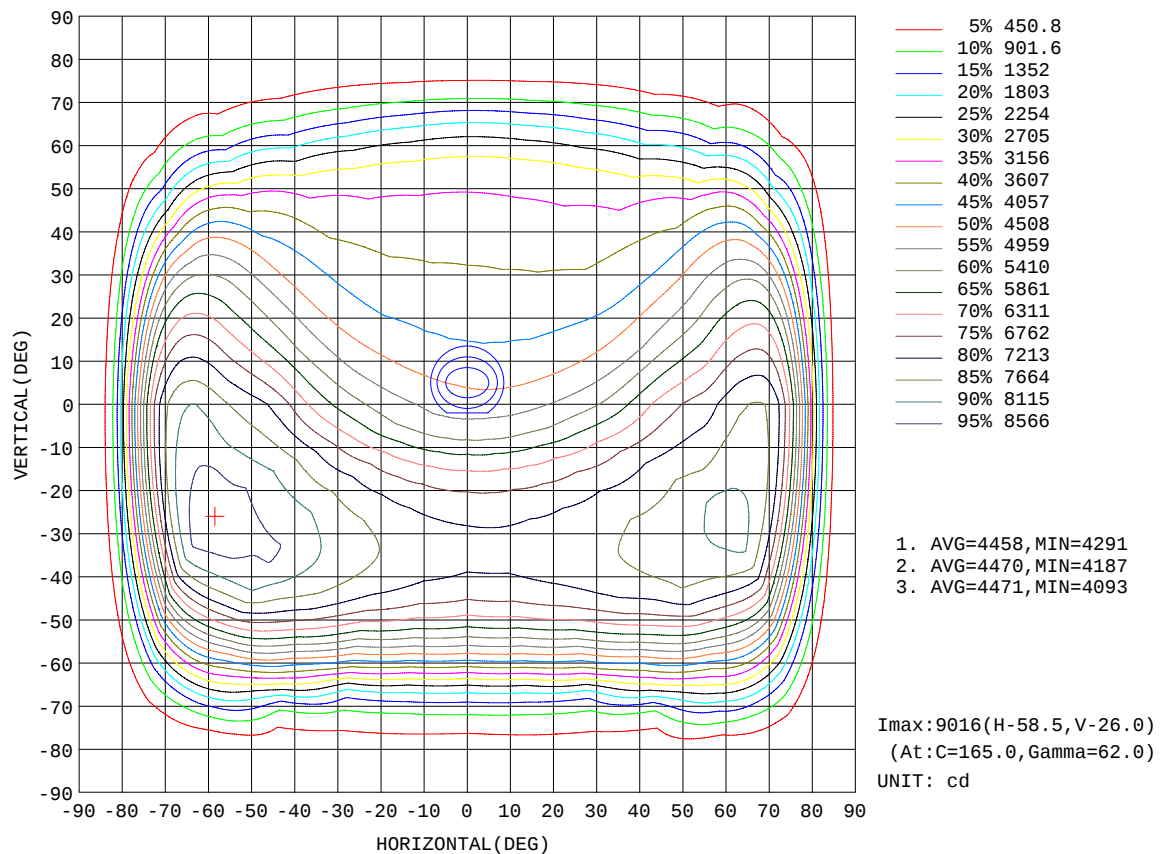
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4759	5292	5643	5385	4882	4421	4225	4355	0- 10	457.8	457.8	1.92,1.92
20	4964	6315	6734	6493	5214	4203	3919	4095	10- 20	1438	1896	7.96,7.96
30	5347	7069	7267	7359	5729	4011	3664	3868	20- 30	2507	4403	18.5,18.5
40	6053	7509	7160	7912	6597	3822	3400	3638	30- 40	3563	7966	33.4,33.4
50	6737	7515	6135	7951	7368	3543	3129	3360	40- 50	4457	12424	52.1,52.1
60	7338	6386	3860	6651	7944	2916	2475	2852	50- 60	4858	17282	72.5,72.5
70	7547	3321	1176	3411	7515	1296	1045	1457	60- 70	4203	21485	90.1,90.1
80	2912	387.7	193.7	375.0	2037	223.5	168.1	254.8	70- 80	2114	23599	99,99
90	0	0	0	0	0	0	0	0	80- 90	234.3	23834	100,100
100	0	0	0	0	0	0	0	0	90-100	0	23834	100,100
110	0	0	0	0	0	0	0	0	100-110	0	23834	100,100
120	0	0	0	0	0	0	0	0	110-120	0	23834	100,100
130	0	0	0	0	0	0	0	0	120-130	0	23834	100,100
140	0	0	0	0	0	0	0	0	130-140	0	23834	100,100
150	0	0	0	0	0	0	0	0	140-150	0	23834	100,100
160	0	0	0	0	0	0	0	0	150-160	0	23834	100,100
170	0	0	0	0	0	0	0	0	160-170	0	23834	100,100
180	0	0	0	0	0	0	0	0	170-180	0	23834	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

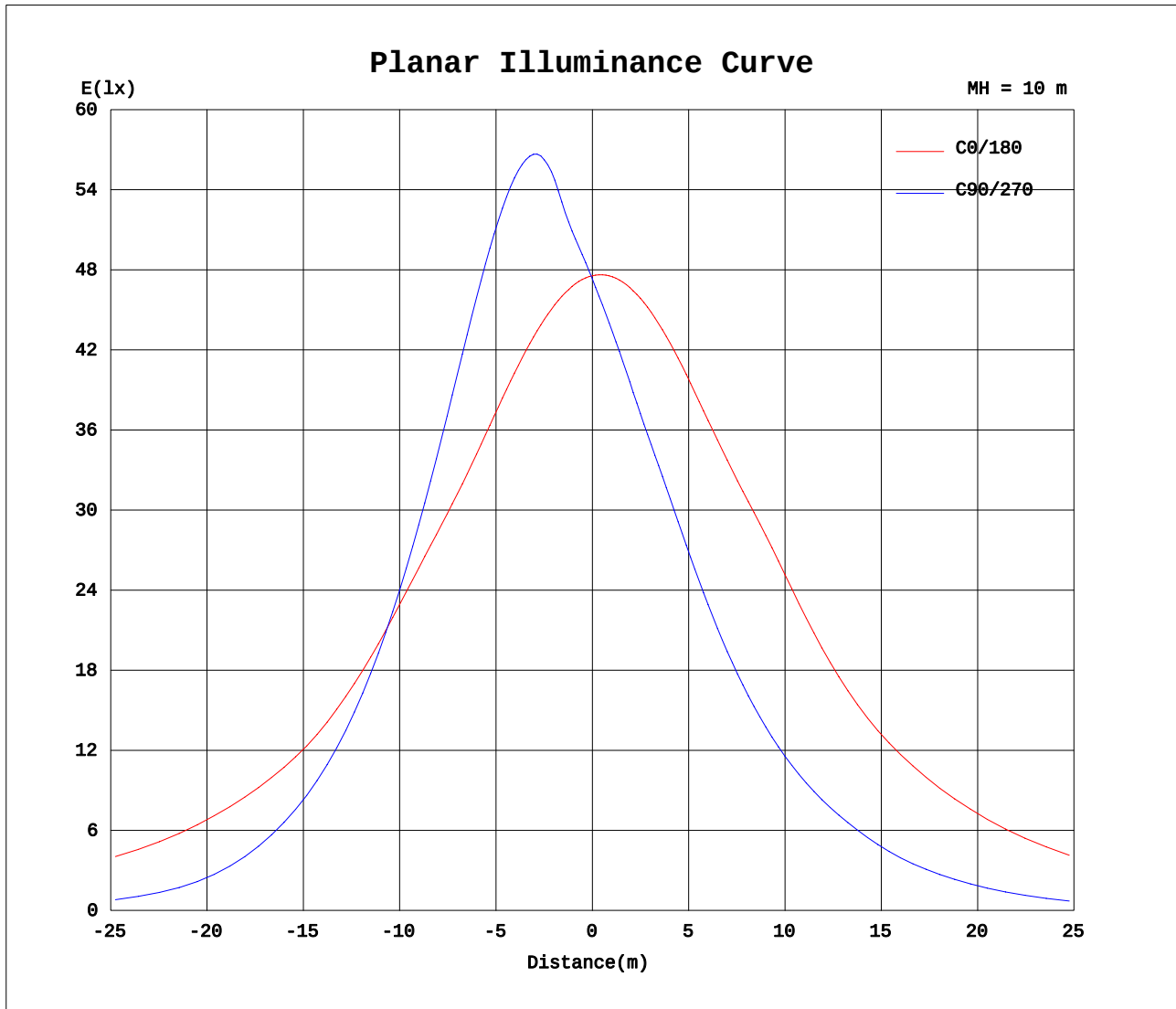
Test:U:219.3V I:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



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



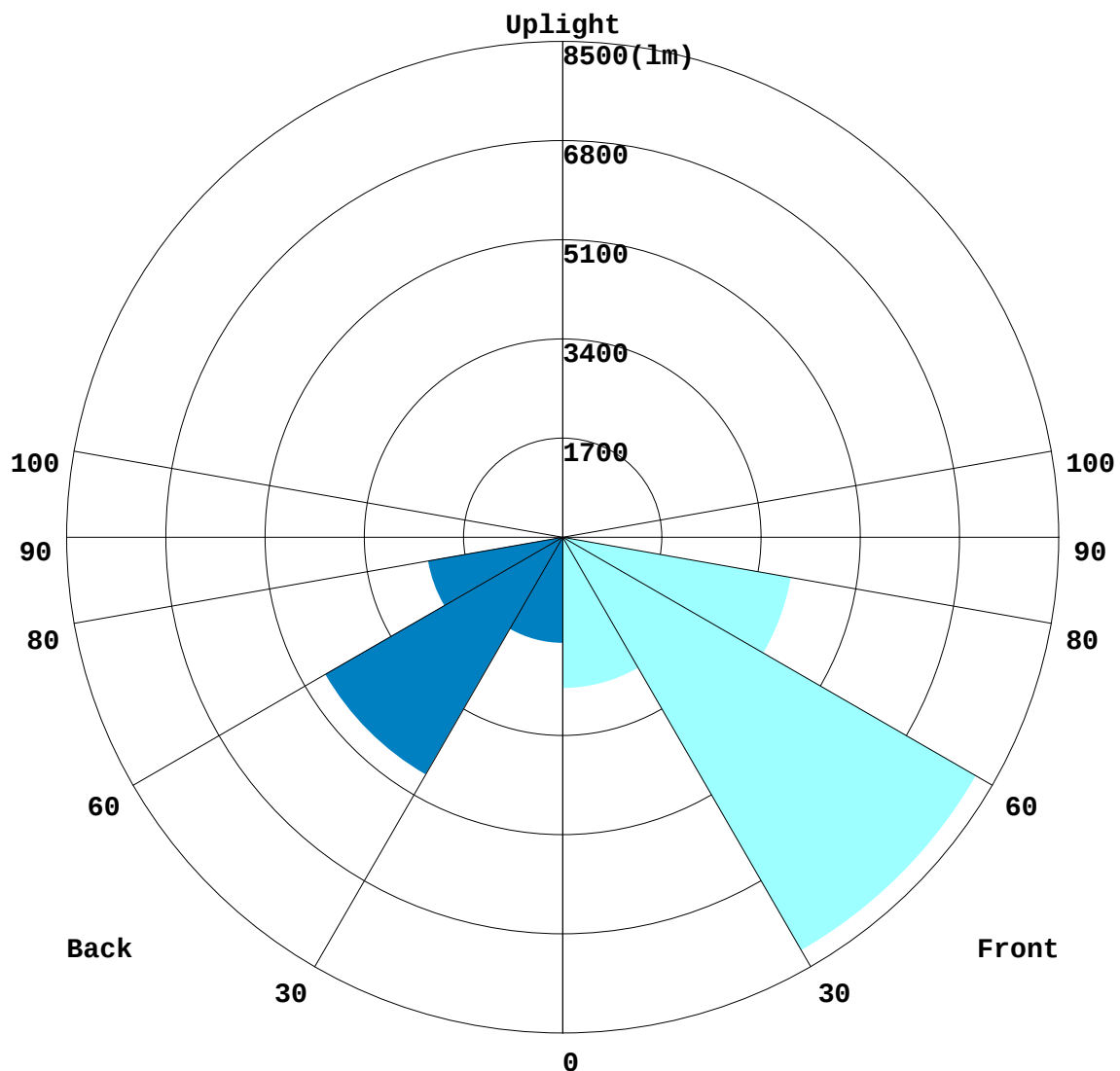
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150W iLA-NV-L3-00-4070-T2-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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-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)	2588.9	10.9
FM - Front-Medium(30-60)	8178.6	34.3
FH - Front-High(60-80)	3973.9	16.7
FVH - Front-Very High(80-90)	163.06	0.7
Total Forward Light	14904	62.5

BL - Back-Low(0-30)	1814.6	7.6
BM - Back-Medium(30-60)	4699.8	19.7
BH - Back-High(60-80)	2343.6	9.8
BVH - Back-Very High(80-90)	71.204	0.3
Total Back Light	8929.1	37.5

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	8929.1	0	8929.1
Street Side	14904	0	14904

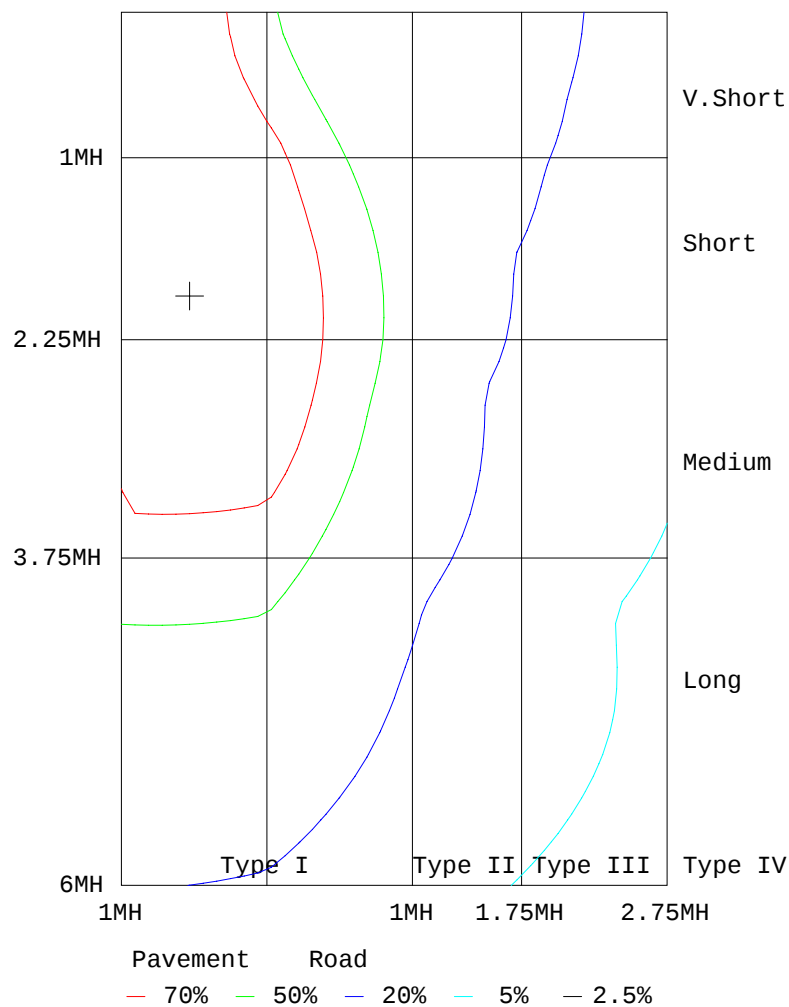
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-150W iLA-NV-L3-00-4070-T2-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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--1

UNIT: cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729	4729
5	4724	4805	4888	4960	5022	5065	5088	5082	5058	5009	4946	4868	4783	4700	4620	4555	4500	4468	4451
10	4759	4932	5117	5292	5470	5582	5643	5612	5532	5385	5230	5059	4882	4709	4550	4421	4317	4256	4225
15	4840	5120	5474	5809	6066	6205	6271	6249	6155	5939	5634	5314	5026	4748	4502	4307	4160	4078	4043
20	4964	5397	5937	6315	6549	6674	6734	6740	6673	6493	6158	5648	5214	4816	4469	4203	4031	3953	3919
25	5129	5782	6379	6731	6919	7017	7066	7098	7076	6966	6674	6095	5448	4904	4436	4104	3919	3834	3794
30	5347	6193	6778	7069	7193	7237	7267	7334	7381	7359	7147	6589	5729	5023	4411	4011	3805	3708	3664
35	5648	6587	7112	7331	7353	7316	7308	7424	7569	7676	7566	7096	6104	5181	4402	3920	3679	3573	3529
40	6053	6964	7391	7509	7385	7223	7160	7327	7617	7912	7938	7596	6597	5360	4399	3822	3544	3435	3400
45	6449	7299	7628	7595	7242	6923	6786	7009	7463	8029	8274	8011	7075	5543	4391	3701	3392	3293	3269
50	6737	7596	7817	7515	6851	6346	6135	6406	7033	7951	8534	8362	7368	5686	4336	3543	3214	3135	3129
55	6955	7850	7901	7162	6091	5410	5161	5439	6183	7553	8629	8677	7601	5787	4204	3301	2980	2896	2902
60	7338	8207	7727	6386	4899	4158	3860	4151	4926	6651	8351	9029	7944	5803	3912	2916	2536	2436	2475
65	7612	8320	7106	5027	3367	2560	2289	2533	3337	5179	7511	8971	8048	5487	3321	2206	1882	1799	1850
70	7547	7959	5621	3321	1560	1300	1176	1282	1523	3411	5733	8237	7515	4486	2238	1296	1075	1020	1045
75	6164	6360	3462	1318	685	633	577	607	677	1244	3433	5934	5399	2510	947	562	498	457	457
80	2912	3138	1450	388	296	247	194	243	284	375	1297	2454	2037	640	303	223	225	175	168
85	375	489	199	74.8	65.7	47.6	40.7	47.2	57.8	64.1	148	315	277	88.7	56.1	42.5	51.0	39.8	42.8
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:0.7098A P:151.9W PF:0.9758 Freq:60.01Hz Lamp Flux:23833.6x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T2-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	4729	4729	4729	4729	4729													
5	4455	4476	4517	4571	4643													
10	4234	4276	4355	4459	4598													
15	4053	4108	4219	4374	4587													
20	3923	3968	4095	4305	4601													
25	3801	3851	3980	4241	4632													
30	3674	3727	3868	4176	4686													
35	3539	3596	3756	4115	4780													
40	3408	3461	3638	4072	4908													
45	3272	3319	3511	4025	5068													
50	3130	3162	3360	3950	5193													
55	2922	2962	3155	3832	5299													
60	2489	2589	2852	3618	5436													
65	1873	1992	2298	3206	5338													
70	1073	1197	1457	2372	4757													
75	473	544	664	1149	3115													
80	184	242	255	361	1061													
85	42.4	59.2	50.6	71.3	116													
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: