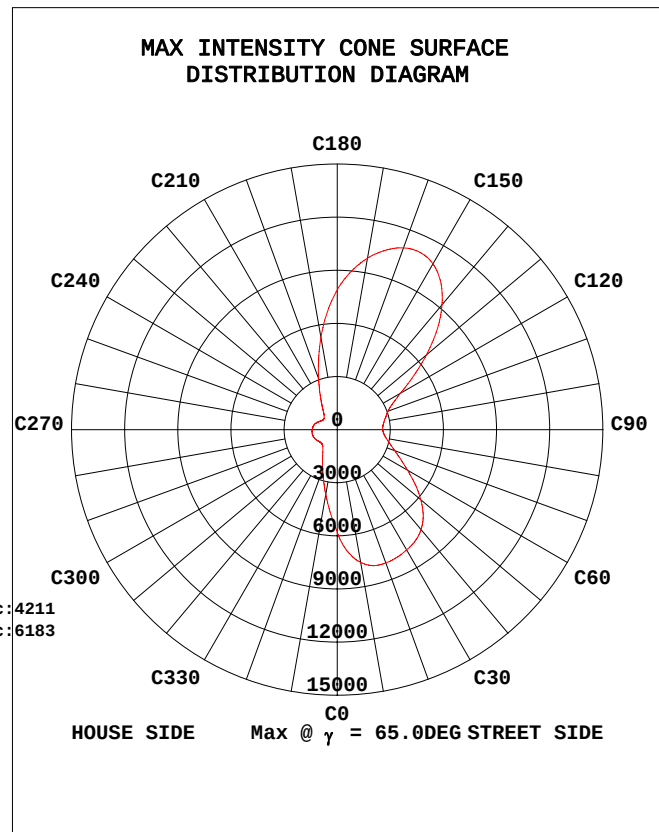
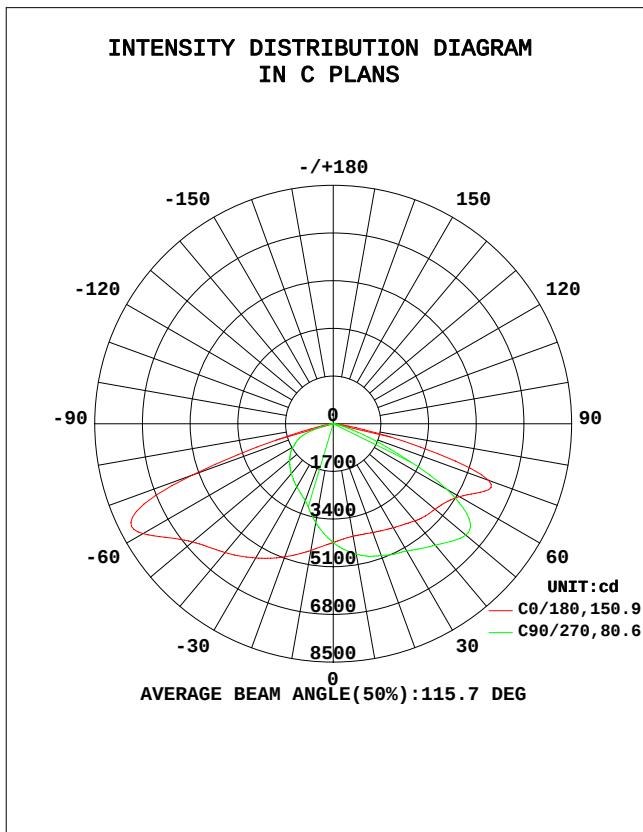


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm					
NAME: ILA		TYPE:		WEIGHT:	
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3		DIM.:		SERIAL No.:	
MFR.: AOK		SUR.:190*170mm		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.58 lm/W			
MODEL	3030	I _{max} (cd)	10817	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	66.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19786	η house_up(%)	0.0
NOMINAL FLUX(lm)	19785.8	MAXIMUM @(C,γ)	150,65.0	η house_down(%)	33.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.208

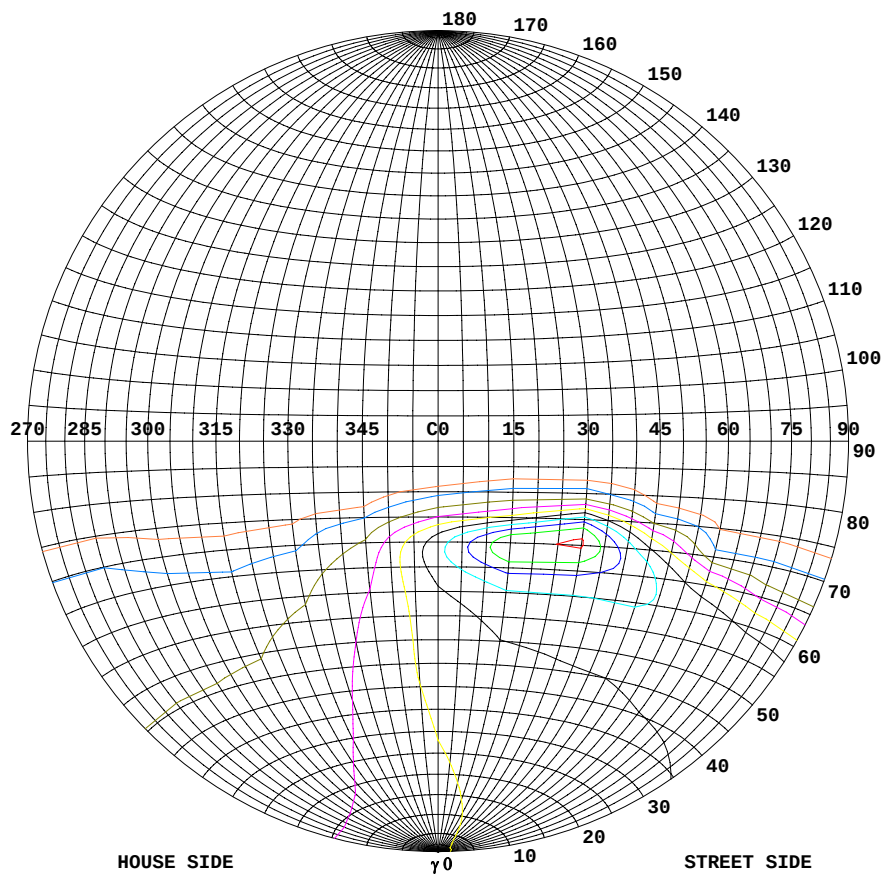


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



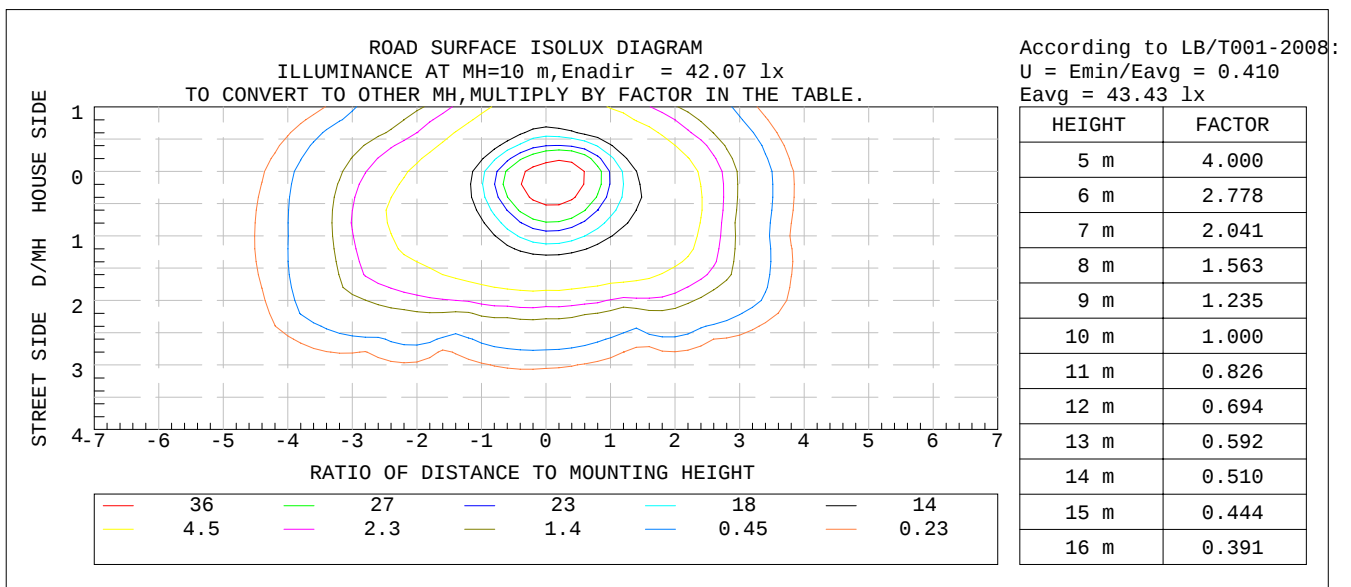
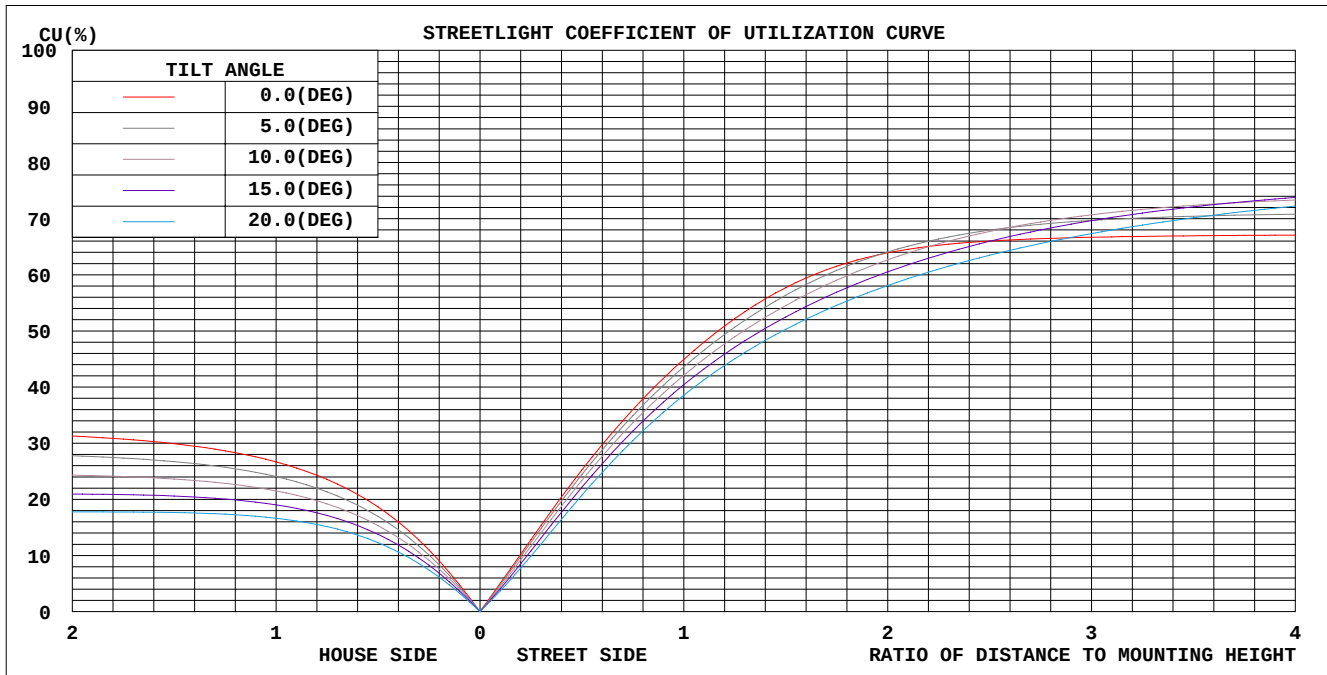
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:69.95cd/klm
 Max.At90:0cd/klm
 Max.80-90:69.95cd/klm
 NRB 5101:Semi limited[22.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10817
90%	9735
80%	8654
70%	7572
60%	6490
50%	5409
40%	4327
30%	3245
20%	2163
10%	1082
5%	541

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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: 2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

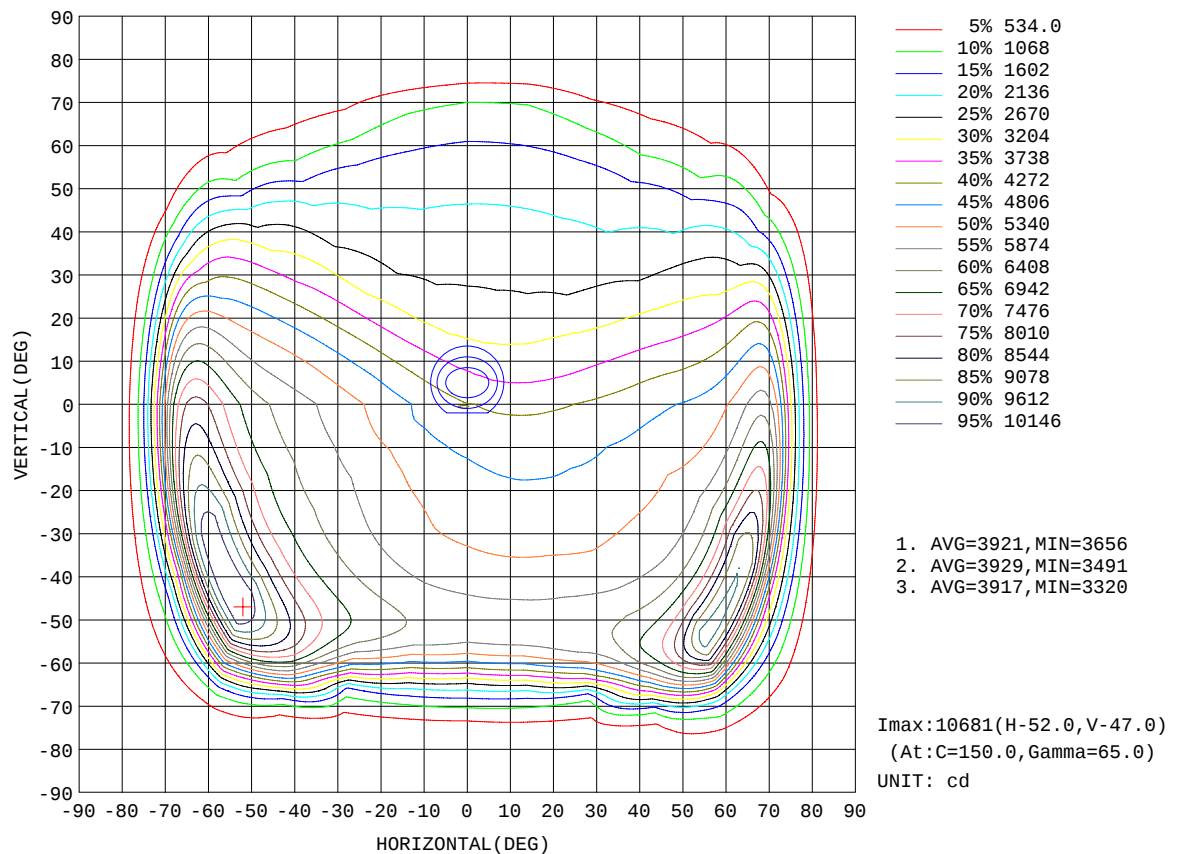
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	407.6	445.3	471.7	482.1	458.5	399.7	358.9	367.3	0- 10	404.4	404.4	2.04,2.04
20	412.8	469.7	500.2	534.0	504.9	372.2	292.4	321.7	10- 20	1204	1609	8.13,8.13
30	428.0	491.4	524.0	574.9	552.5	335.2	260.0	284.2	20- 30	1985	3594	18.2,18.2
40	452.3	517.0	565.4	618.4	599.7	293.7	232.6	248.2	30- 40	2743	6337	32,32
50	474.0	565.8	617.2	691.7	655.4	246.7	202.7	215.0	40- 50	3485	9822	49.6,49.6
60	520.2	654.3	468.3	814.5	783.5	169.3	165.6	167.2	50- 60	4169	13991	70.7,70.7
70	588.9	555.2	115.6	540.4	534.1	59.72	106.8	70.45	60- 70	4096	18087	91.4,91.4
80	83.92	34.48	16.43	24.79	31.90	11.67	12.99	14.52	70- 80	1598	19685	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	100.9	19786	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19786	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19786	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19786	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19786	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19786	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19786	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19786	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19786	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19786	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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

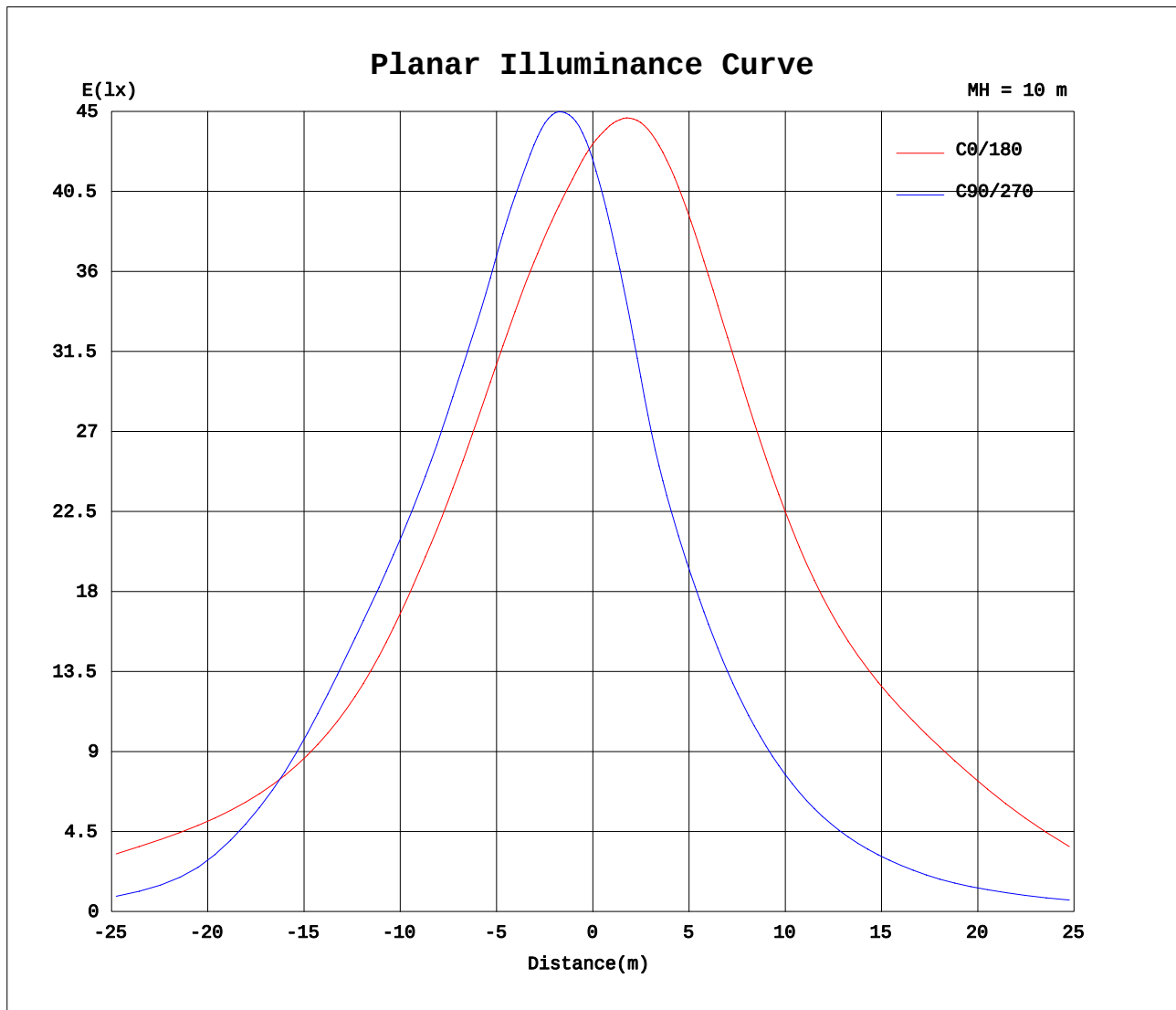
Test:U:219.3V I:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-19

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



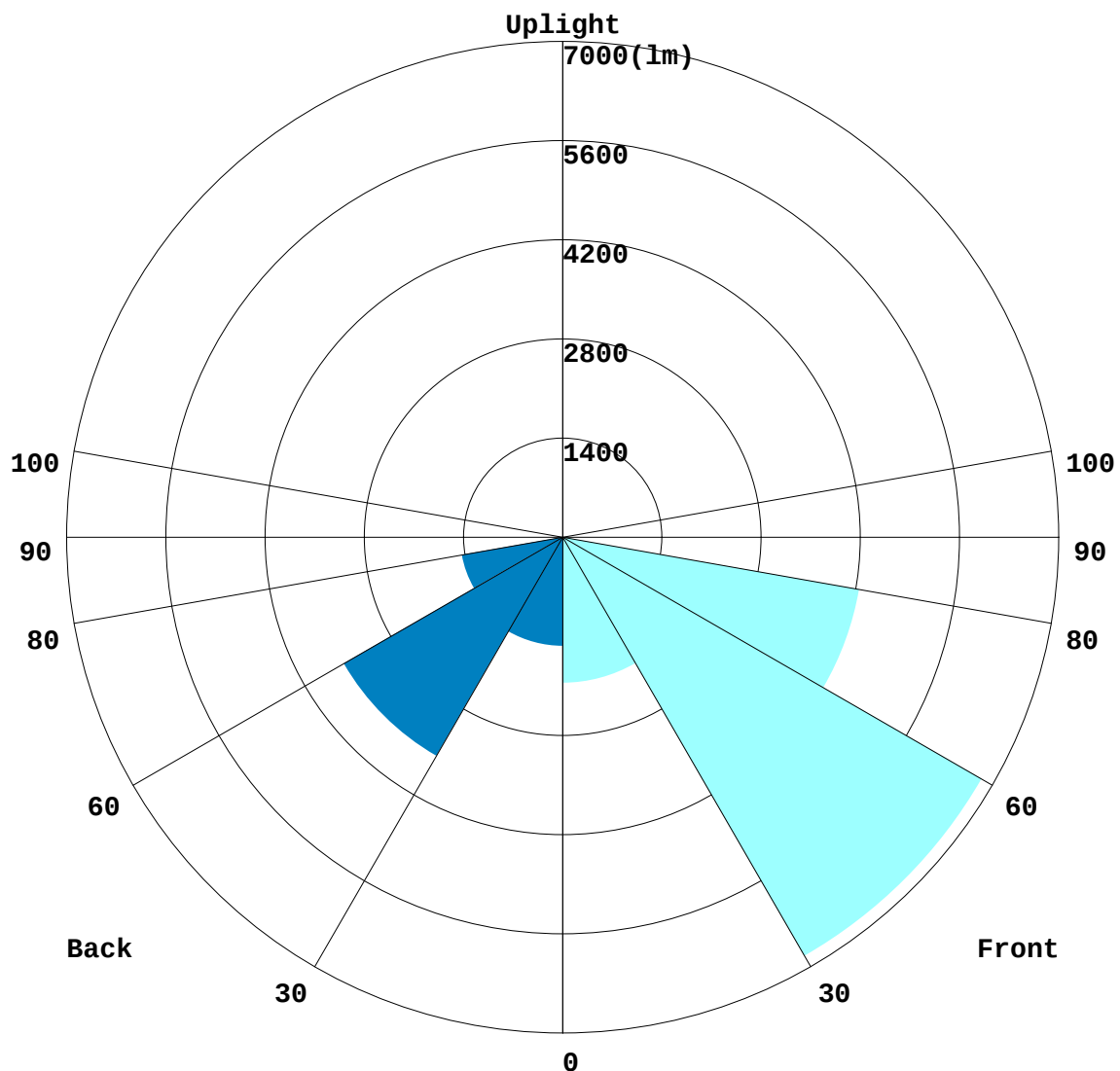
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2056.8	10.4
FM - Front-Medium(30-60)	6829.2	34.5
FH - Front-High(60-80)	4250.4	21.5
FVH - Front-Very High(80-90)	74.947	0.4
Total Forward Light	13211	66.8

BL - Back-Low(0-30)	1537.1	7.8
BM - Back-Medium(30-60)	3567.7	18.0
BH - Back-High(60-80)	1443.7	7.3
BVH - Back-Very High(80-90)	25.966	0.1
Total Back Light	6574.4	33.2

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	6574.4	0	6574.4
Street Side	13211	0	13211

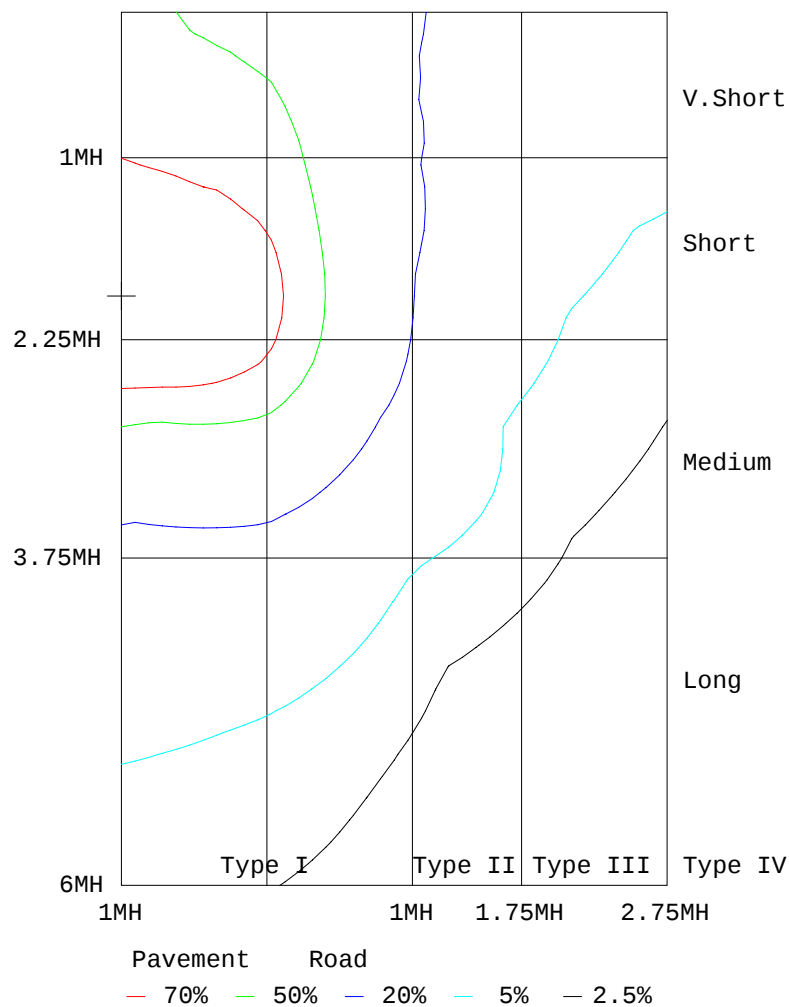
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
5	412	420	428	435	441	447	450	453	454	454	451	446	439	430	421	412	403	397	392
10	408	422	434	445	455	465	472	478	480	482	480	472	459	441	421	400	381	367	359
15	408	428	444	457	469	480	489	498	505	510	508	500	481	455	422	387	356	333	322
20	413	437	455	470	480	490	500	512	523	534	536	528	505	469	422	372	329	302	292
25	419	448	468	480	490	502	513	527	540	553	562	556	529	483	421	355	304	280	274
30	428	462	481	491	502	511	524	538	555	575	587	584	553	496	417	335	281	262	260
35	439	477	494	504	515	529	544	558	573	595	612	611	576	507	409	315	263	247	246
40	452	495	508	517	536	552	565	580	596	618	636	639	600	514	398	294	246	233	233
45	465	513	527	538	560	580	593	607	625	650	667	672	624	517	380	272	229	218	218
50	474	532	546	566	593	611	617	635	662	692	716	724	655	514	354	247	210	200	203
55	489	562	576	602	625	610	591	620	684	751	803	821	710	504	318	217	186	180	187
60	520	630	638	654	607	514	468	503	622	814	953	977	784	478	265	169	154	158	166
65	579	795	784	687	458	309	257	285	413	797	1082	1049	790	407	181	105	103	130	142
70	589	939	974	555	156	130	116	115	121	540	902	676	534	250	83.6	59.7	60.0	89.5	107
75	322	468	702	209	52.2	46.2	41.0	40.8	42.8	118	372	181	157	75.2	35.3	29.9	31.6	38.0	48.1
80	83.9	132	138	34.5	20.2	18.1	16.4	17.0	18.2	24.8	53.6	46.5	31.9	15.5	13.1	11.7	12.1	12.0	13.0
85	9.82	16.5	17.1	7.66	5.78	5.15	4.55	4.81	4.63	5.71	8.84	6.20	4.63	3.18	2.62	2.32	2.60	2.58	2.91
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:2022-07-19

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:0.7032A P:152.7W PF:0.9902 Freq:60.01Hz Lamp Flux:19785.8x1 lm		
NAME: ILA	TYPE:	WEIGHT:
SPEC.:AOK-150WiLA-NVS-L3-00-4070-T3	DIM.:	SERIAL No.:
MFR.: AOK	SUR.:190*170mm	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	424	424	424	424	424														
5	390	391	394	399	405														
10	357	360	367	379	393														
15	320	328	343	363	386														
20	293	302	322	350	382														
25	275	282	303	339	381														
30	261	266	284	327	381														
35	247	250	266	313	380														
40	234	236	248	297	378														
45	221	222	232	280	373														
50	205	206	215	260	364														
55	187	186	194	237	352														
60	166	163	167	208	333														
65	141	127	120	166	299														
70	108	81.4	70.5	94.6	232														
75	50.8	41.7	39.8	47.7	107														
80	12.9	15.1	14.5	17.3	23.9														
85	2.88	3.16	3.02	3.52	4.58														
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:2022-07-19

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: