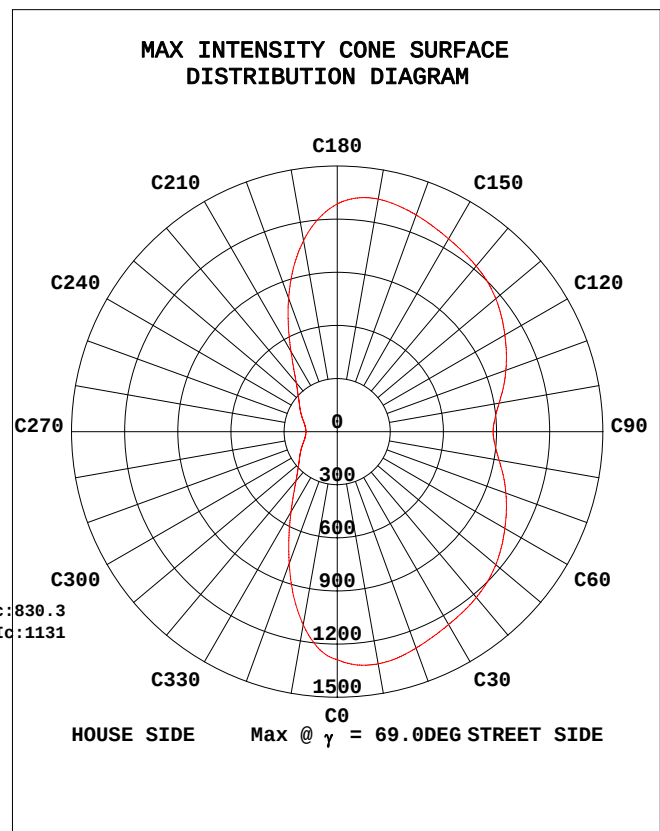
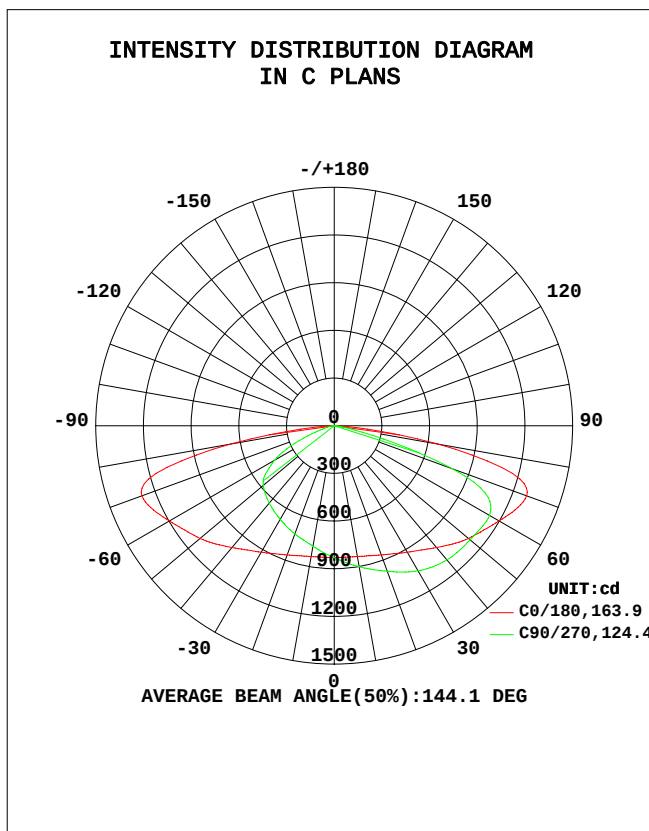


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.68 lm/W			
MODEL	3030	I _{max} (cd)	1322	η street_up(%)	0.0
NOMINAL POWER(W)	30	LOR(%)	100.0	η street_down(%)	63.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4422	η house_up(%)	0.0
NOMINAL FLUX(lm)	4422.1	MAXIMUM @(C,γ)	15,69.0	η house_down(%)	36.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.916

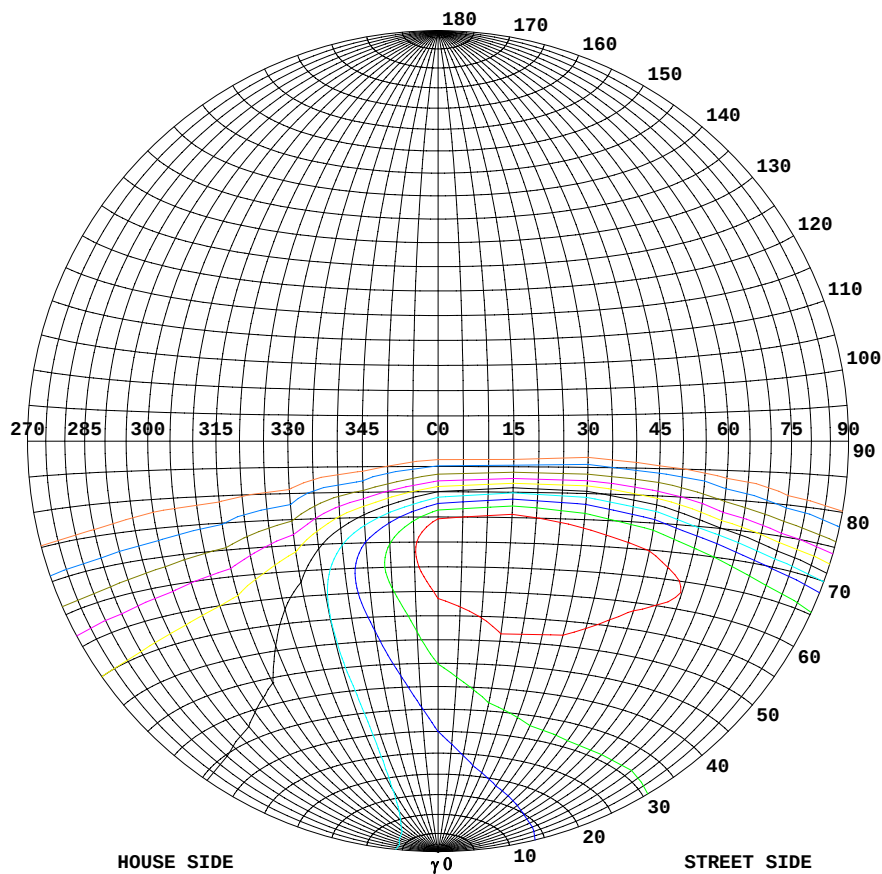


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



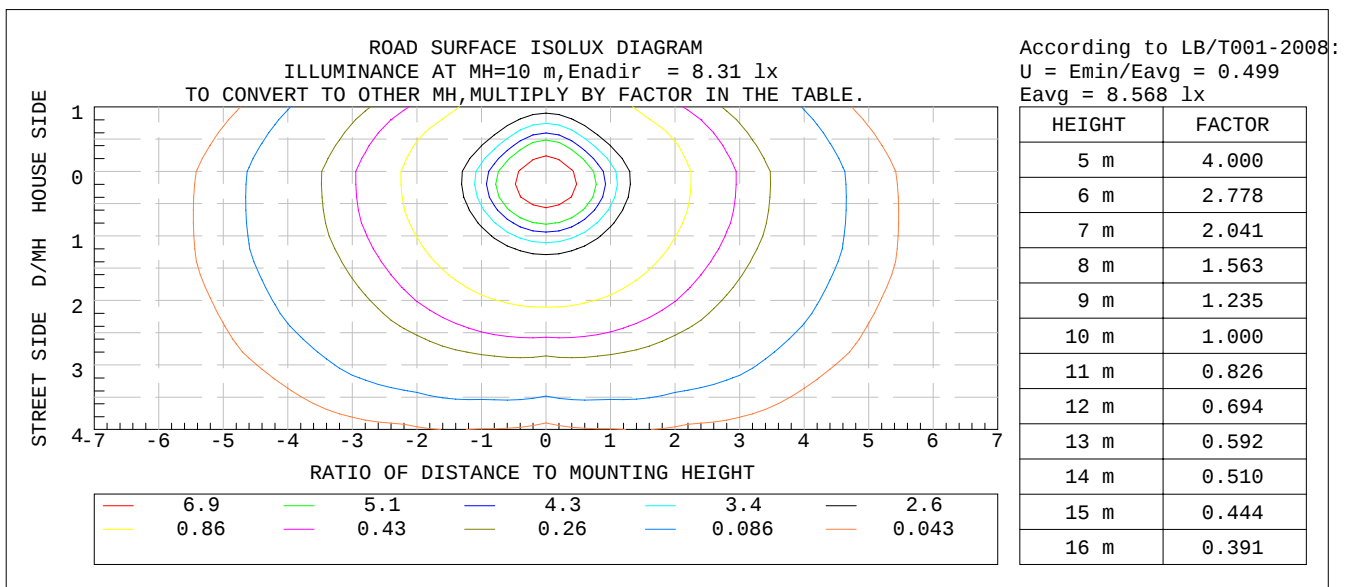
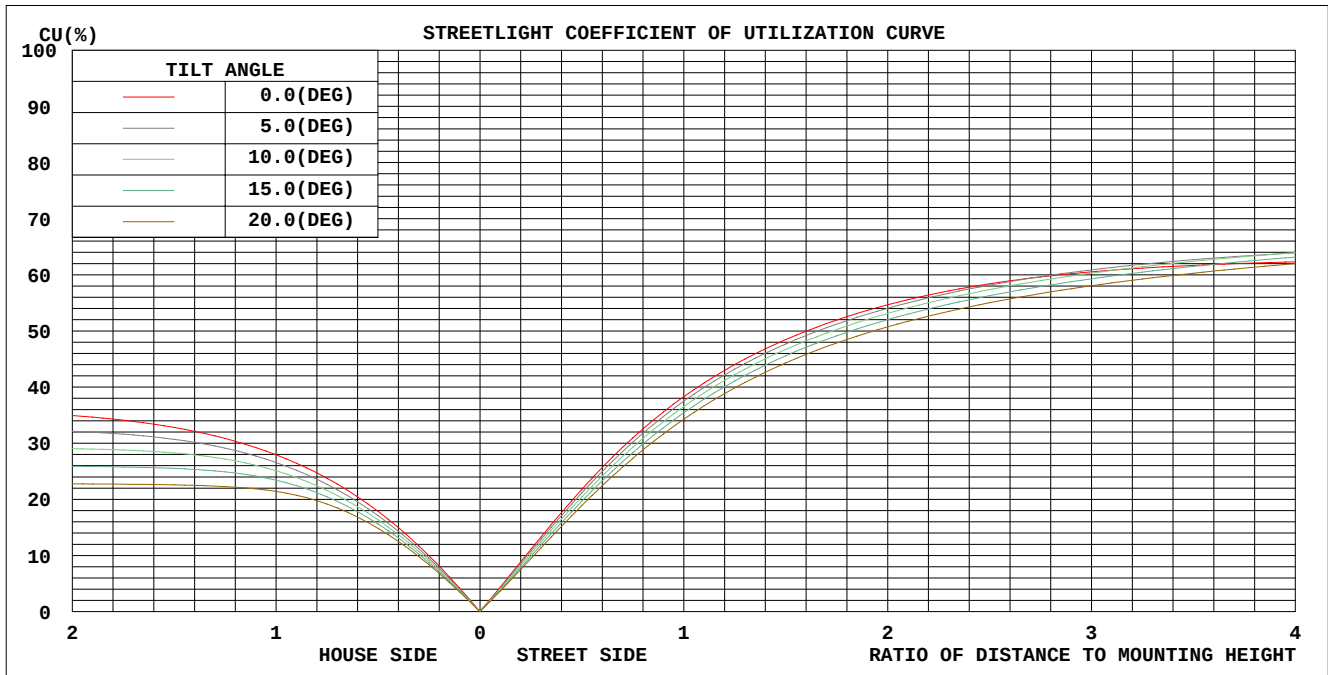
Classification:

IES:Type IV - Medium
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:174.5cd/klm
Max.At90:0cd/klm
Max.80-90:174.5cd/klm
NRB 5101:Semi limited[14.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1322
90%	1190
80%	1058
70%	926
60%	793
50%	661
40%	529
30%	397
20%	264
10%	132
5%	66

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-05

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: 2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

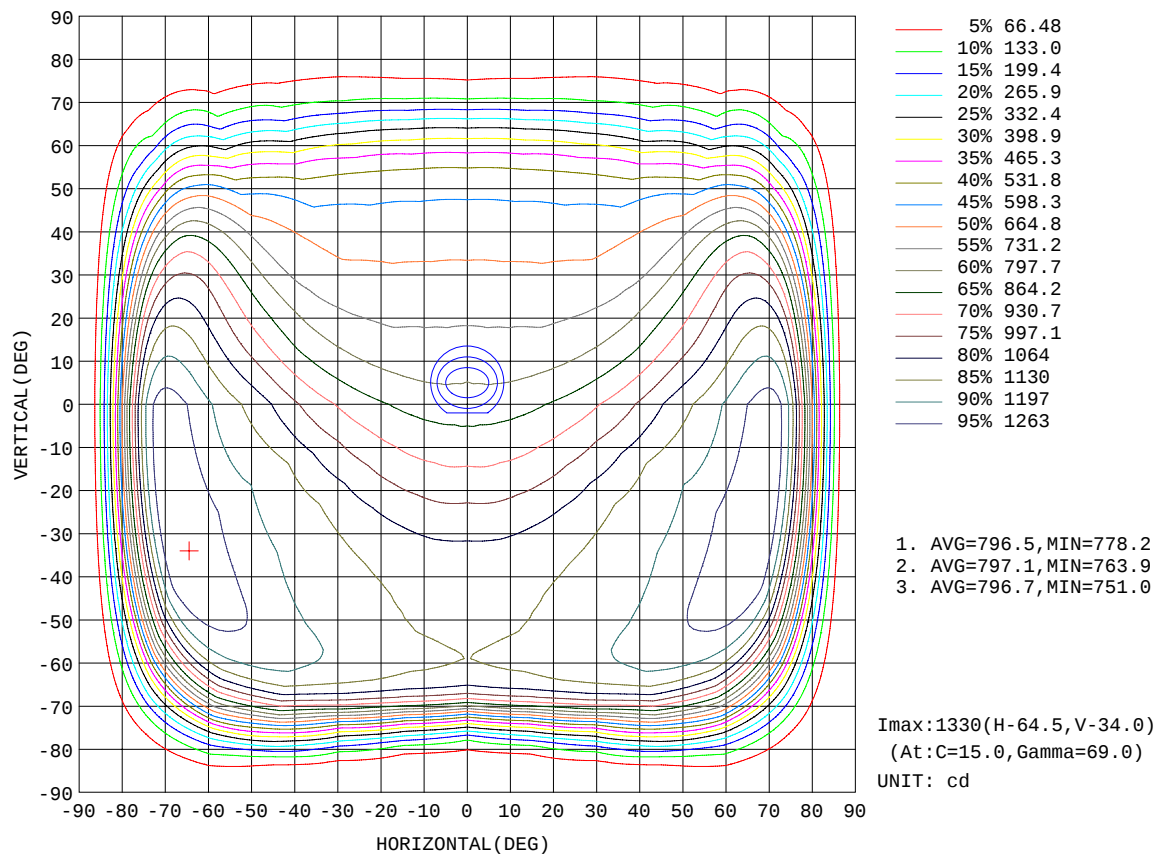
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	835.6	880.7	900.6	880.7	835.6	786.8	771.3	786.8	0- 10	79.40	79.40	1.8,1.8
20	865.3	950.5	974.1	950.5	865.3	750.1	724.8	750.1	10- 20	239.2	318.7	7.21,7.21
30	919.3	1042	1054	1042	919.3	713.9	680.7	713.9	20- 30	402.7	721.4	16.3,16.3
40	1000	1118	1103	1118	1000	679.0	636.6	679.0	30- 40	566.5	1288	29.1,29.1
50	1103	1158	1116	1158	1103	637.1	583.1	637.1	40- 50	718.2	2006	45.4,45.4
60	1197	1195	1128	1195	1197	551.8	433.4	551.8	50- 60	837.6	2844	64.3,64.3
70	1289	1184	789.9	1184	1289	280.8	149.3	280.8	60- 70	877.5	3721	84.1,84.1
80	658.7	477.0	68.87	477.0	658.7	55.58	30.90	55.58	70- 80	603.3	4324	97.8,97.8
90	0	0	0	0	0	0	0	0	80- 90	97.75	4422	100,100
100	0	0	0	0	0	0	0	0	90-100	0	4422	100,100
110	0	0	0	0	0	0	0	0	100-110	0	4422	100,100
120	0	0	0	0	0	0	0	0	110-120	0	4422	100,100
130	0	0	0	0	0	0	0	0	120-130	0	4422	100,100
140	0	0	0	0	0	0	0	0	130-140	0	4422	100,100
150	0	0	0	0	0	0	0	0	140-150	0	4422	100,100
160	0	0	0	0	0	0	0	0	150-160	0	4422	100,100
170	0	0	0	0	0	0	0	0	160-170	0	4422	100,100
180	0	0	0	0	0	0	0	0	170-180	0	4422	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:2023-05-05

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

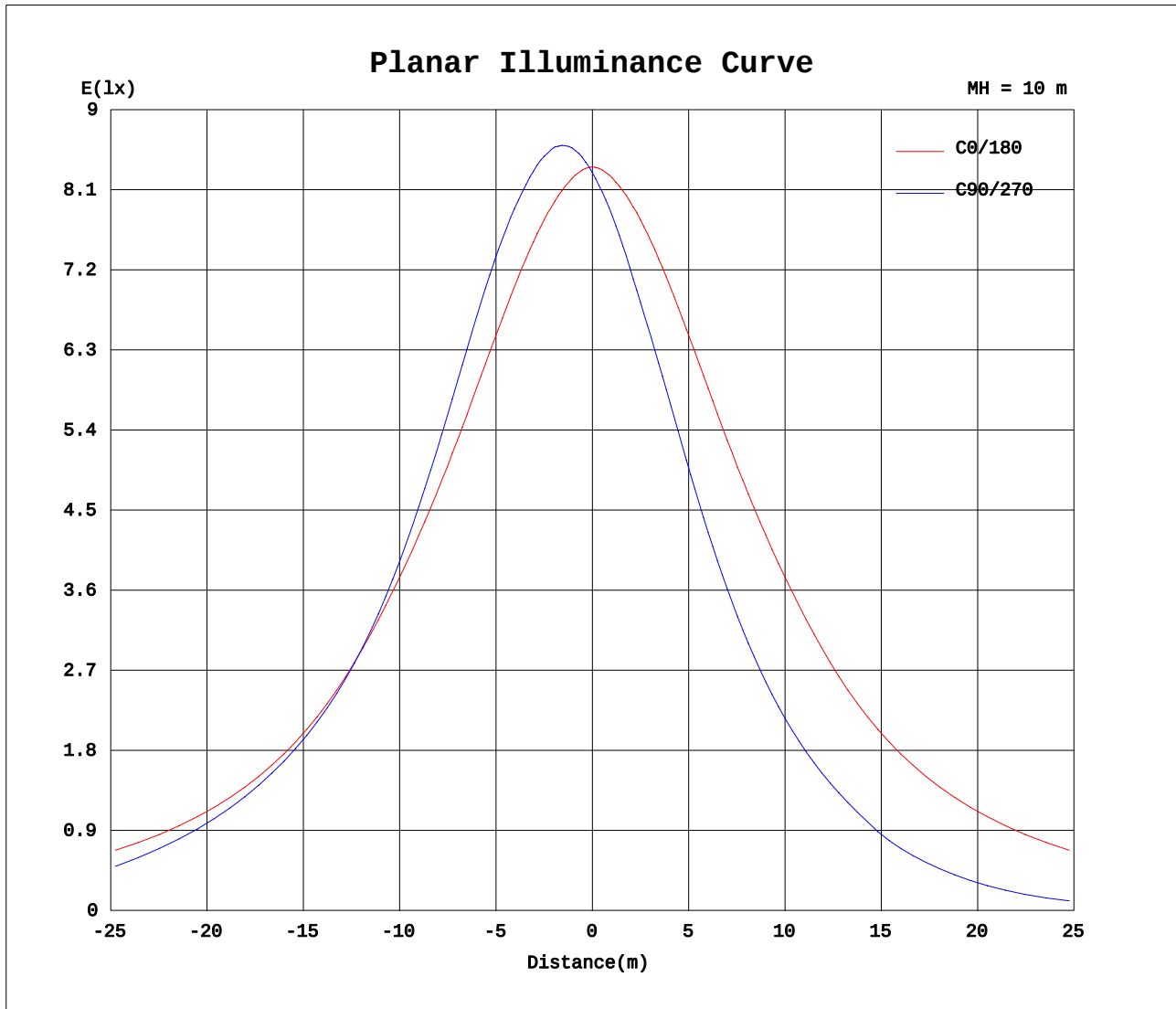
Test:U:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30W iLA-NVS-L3-00-3070-T401-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-05

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



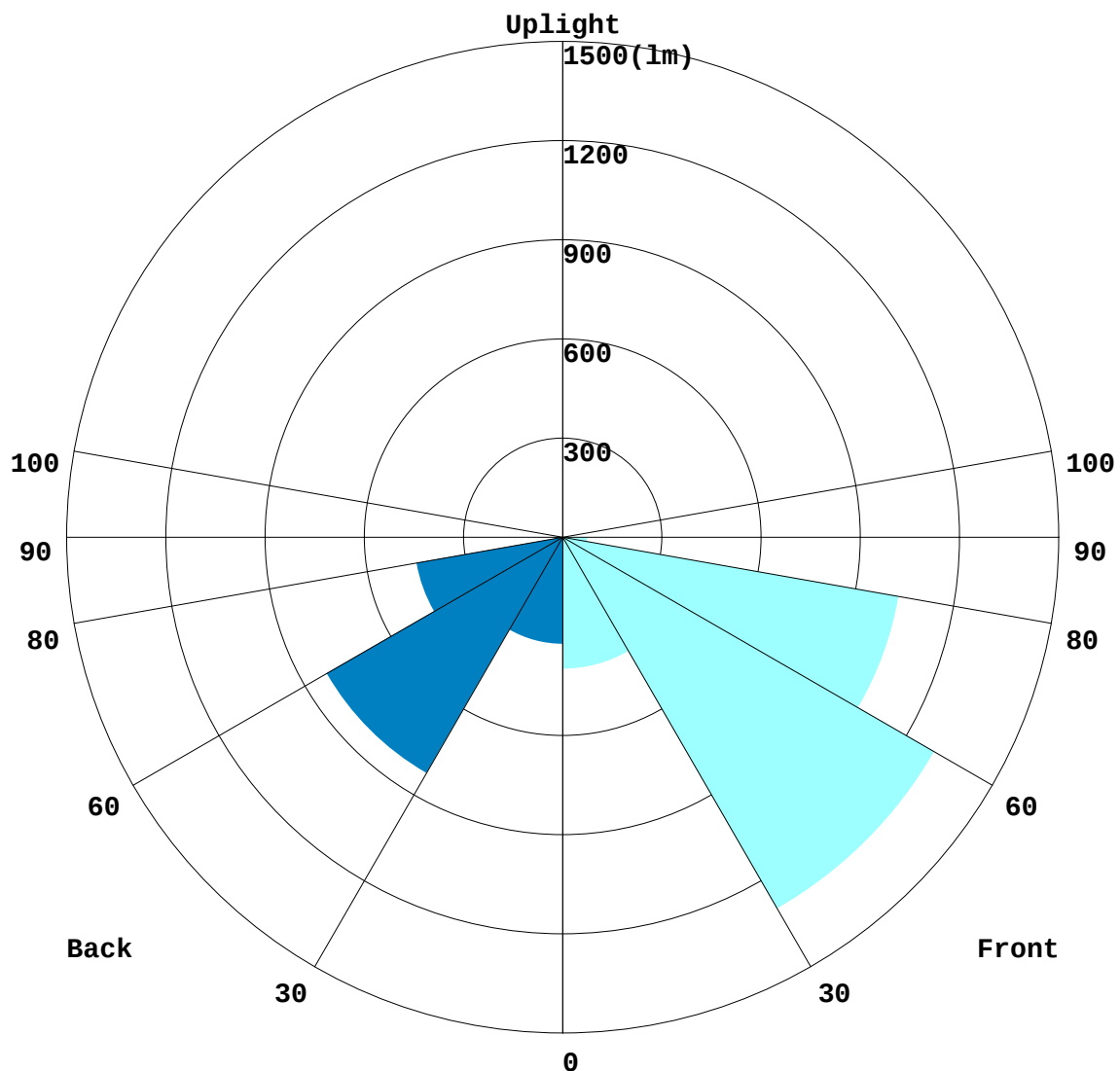
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-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:2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-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)	398.46	9.0
FM - Front-Medium(30-60)	1297.9	29.3
FH - Front-High(60-80)	1031.8	23.3
FVH - Front-Very High(80-90)	74.73	1.7
Total Forward Light	2802.8	63.4

BL - Back-Low(0-30)	322.89	7.3
BM - Back-Medium(30-60)	824.36	18.6
BH - Back-High(60-80)	448.99	10.2
BVH - Back-Very High(80-90)	23.018	0.5
Total Back Light	1619.3	36.6

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	B1-U0-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1619.3	0	1619.3
Street Side	2802.8	0	2802.8

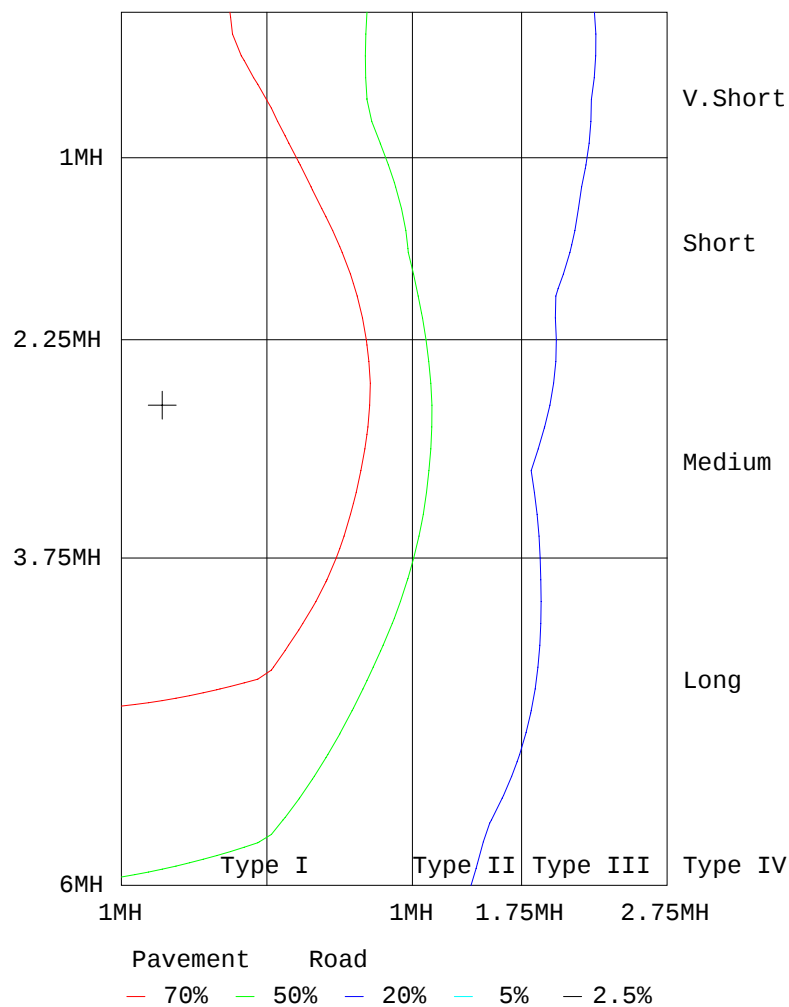
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-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:2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-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	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830
5	831	838	846	853	860	863	865	863	860	853	846	838	831	822	813	807	802	800	800
10	836	852	869	881	891	897	901	897	891	881	869	852	836	817	800	787	777	772	771
15	847	874	897	913	925	931	937	931	925	913	897	874	847	817	790	768	753	747	745
20	865	904	933	951	963	969	974	969	963	951	933	904	865	820	780	750	734	727	725
25	888	940	976	994	1006	1011	1015	1011	1006	994	976	940	888	826	769	732	714	705	703
30	919	984	1024	1042	1049	1050	1054	1050	1049	1042	1024	984	919	834	759	714	693	684	681
35	955	1032	1075	1084	1083	1081	1083	1081	1083	1084	1075	1032	955	847	750	697	673	662	659
40	1000	1086	1121	1118	1110	1104	1103	1104	1110	1118	1121	1086	1000	864	743	679	652	640	637
45	1052	1140	1156	1144	1130	1116	1111	1116	1130	1144	1156	1140	1052	889	737	660	628	616	611
50	1103	1175	1177	1158	1142	1125	1116	1125	1142	1158	1177	1175	1103	918	729	637	601	589	583
55	1146	1205	1198	1174	1156	1135	1125	1135	1156	1174	1198	1205	1146	948	718	604	563	541	529
60	1197	1246	1226	1195	1172	1144	1128	1144	1172	1195	1226	1246	1197	980	692	552	486	445	433
65	1255	1297	1260	1215	1167	1105	1069	1105	1167	1215	1260	1297	1255	996	627	445	367	321	303
70	1289	1322	1250	1184	1057	910	790	910	1057	1184	1250	1322	1289	935	487	281	209	166	149
75	1161	1221	1120	974	669	435	323	435	669	974	1120	1221	1161	703	252	127	95.8	77.2	68.0
80	659	772	707	477	243	108	68.9	108	243	477	707	772	659	290	79.7	55.6	47.6	34.5	30.9
85	138	151	158	84.8	35.4	19.6	11.8	19.6	35.4	84.8	158	151	138	33.5	18.2	14.3	13.4	8.63	5.89
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:2023-05-05

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:219.4V I:0.1397A P:29.35W PF:0.9574 Freq:60.01Hz Lamp Flux:4422.1x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-30WiLA-NVS-L3-00-3070-T401-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	830	830	830	830	830														
5	800	802	807	813	822														
10	772	777	787	800	817														
15	747	753	768	790	817														
20	727	734	750	780	820														
25	705	714	732	769	826														
30	684	693	714	759	834														
35	662	673	697	750	847														
40	640	652	679	743	864														
45	616	628	660	737	889														
50	589	601	637	729	918														
55	541	563	604	718	948														
60	445	486	552	692	980														
65	321	367	445	627	996														
70	166	209	281	487	935														
75	77.2	95.8	127	252	703														
80	34.5	47.6	55.6	79.7	290														
85	8.63	13.4	14.3	18.2	33.5														
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:2023-05-05

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: