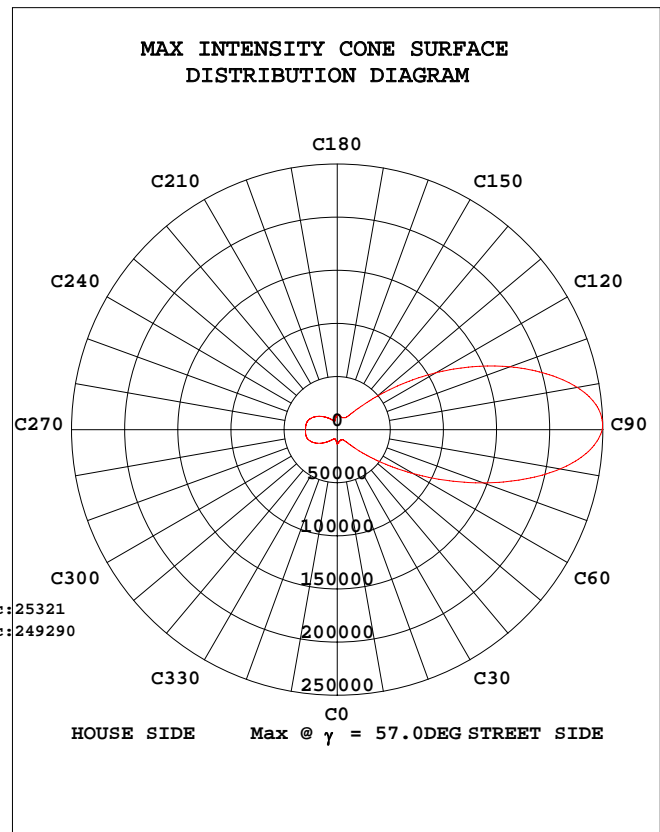
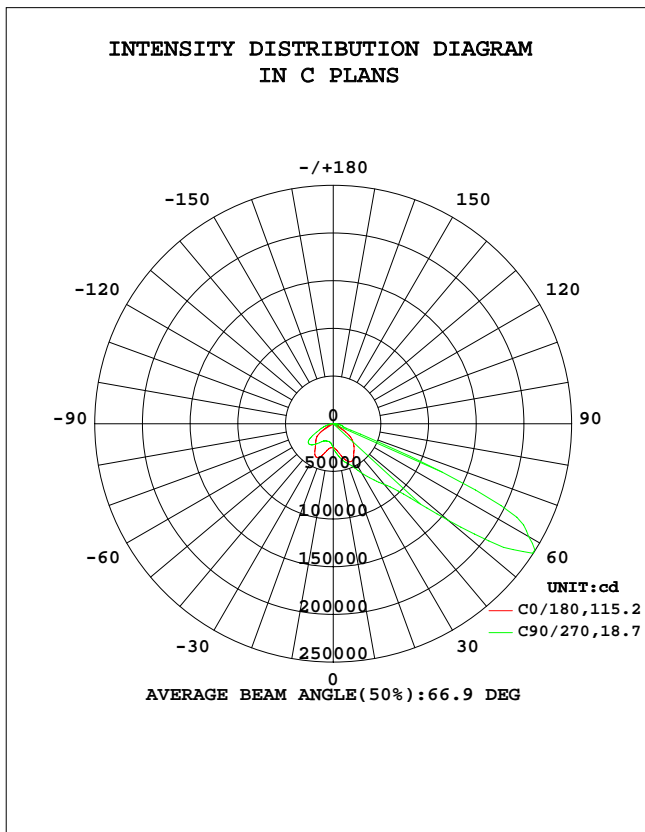


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.08 lm/W			
MODEL	3030	I _{max} (cd)	249290	η street_up(%)	0.0
NOMINAL POWER(W)	1200	LOR(%)	100.0	η street_down(%)	73.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	167709	η house_up(%)	0.0
NOMINAL FLUX(lm)	167709	MAXIMUM @(C,γ)	90,57.0	η house_down(%)	26.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.211

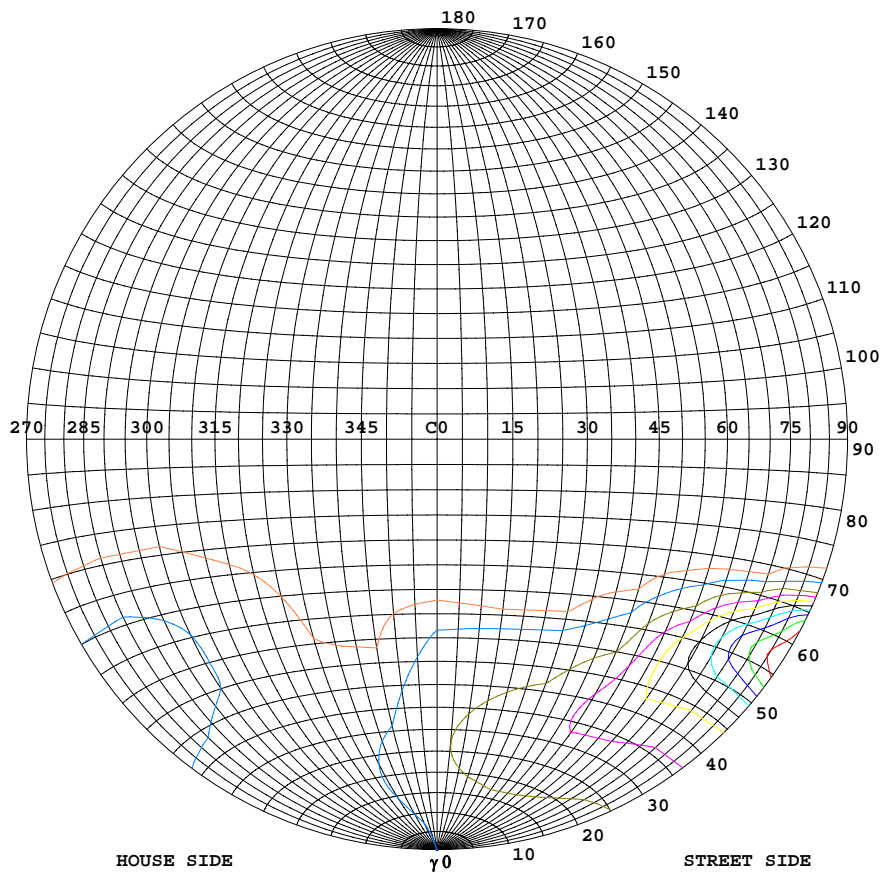


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



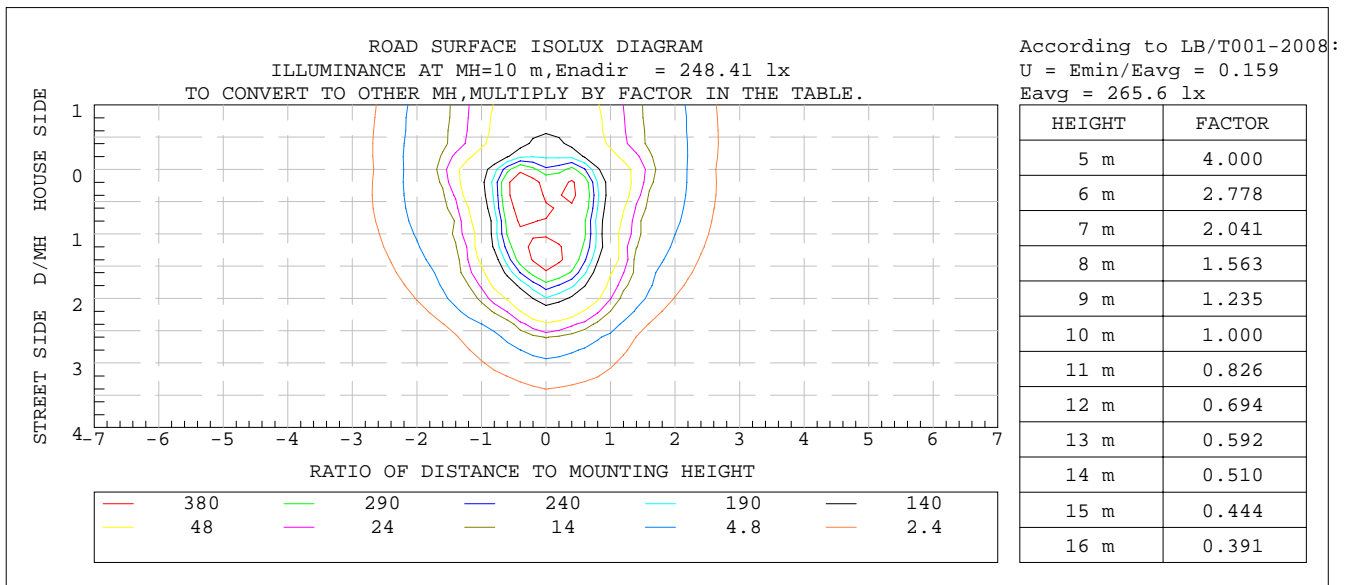
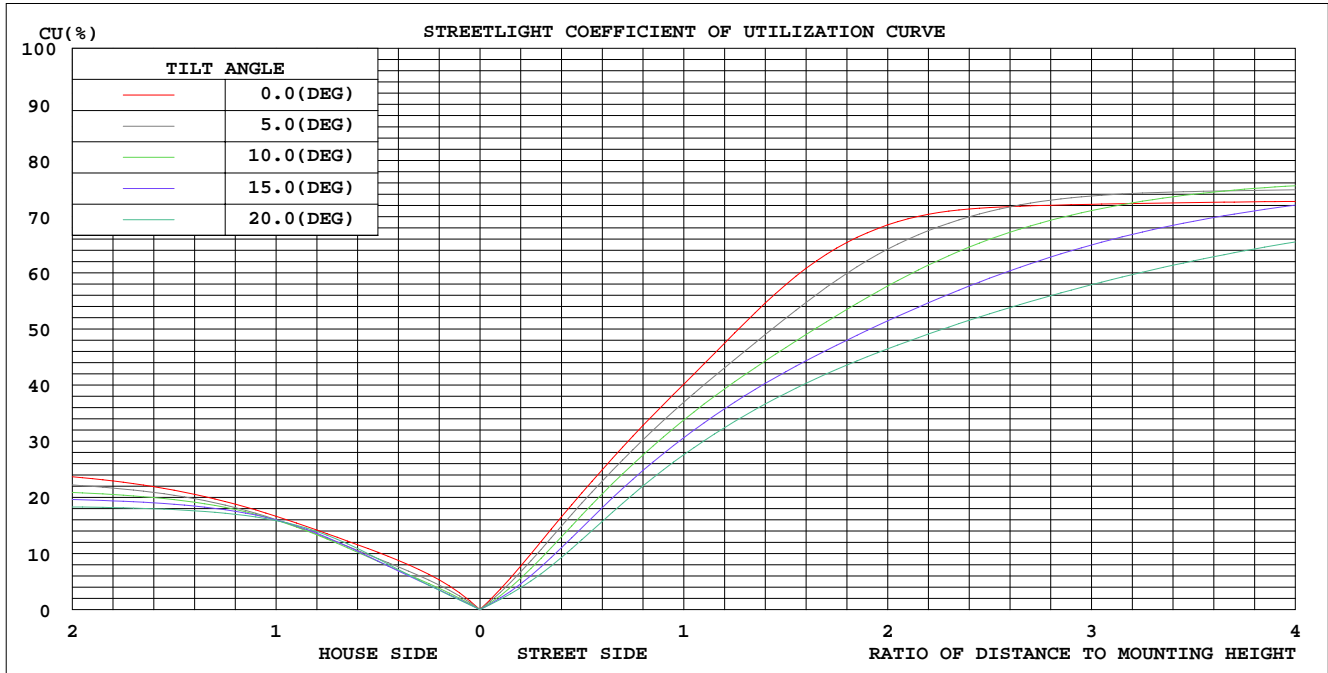
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:47.58cd/klm
Max.At90:0cd/klm
Max.80-90:47.58cd/klm
NRB 5101:Limited[2.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	249290
90%	224361
80%	199432
70%	174503
60%	149574
50%	124645
40%	99716
30%	74787
20%	49858
10%	24929
5%	12465

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-16

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: 2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

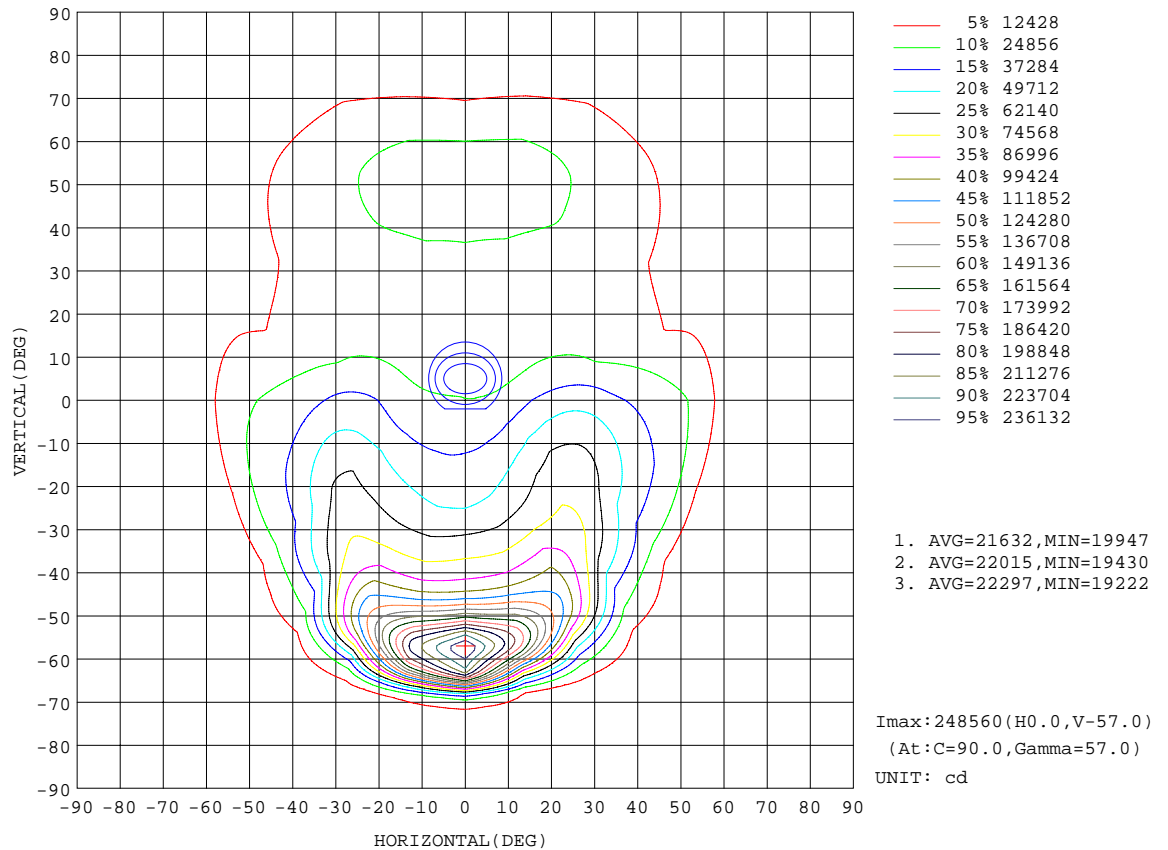
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	300.4	355.8	350.2	328.2	267.0	206.9	196.5	216.7	0- 10	2525	2525	1.51,1.51
20	410.7	545.4	445.1	460.5	358.1	200.9	194.9	210.8	10- 20	9011	11536	6.88,6.88
30	422.7	708.1	598.6	619.7	382.3	185.7	211.0	182.3	20- 30	17922	29457	17.6,17.6
40	341.0	754.1	829.1	752.1	290.7	175.0	275.8	176.9	30- 40	26786	56243	33.5,33.5
50	258.3	488.6	1575	543.6	229.5	180.8	332.3	186.1	40- 50	35508	91751	54.7,54.7
60	86.02	179.5	2367	204.4	89.82	162.6	250.3	164.3	50- 60	43502	135254	80.6,80.6
70	51.35	68.28	198.2	67.21	48.96	96.31	120.2	95.73	60- 70	24328	159582	95.2,95.2
80	23.14	28.74	79.79	27.71	21.61	29.88	46.86	31.40	70- 80	6391	165972	99,99
90	0	0	0	0	0	0	0	0	80- 90	1737	167709	100,100
100	0	0	0	0	0	0	0	0	90-100	0	167709	100,100
110	0	0	0	0	0	0	0	0	100-110	0	167709	100,100
120	0	0	0	0	0	0	0	0	110-120	0	167709	100,100
130	0	0	0	0	0	0	0	0	120-130	0	167709	100,100
140	0	0	0	0	0	0	0	0	130-140	0	167709	100,100
150	0	0	0	0	0	0	0	0	140-150	0	167709	100,100
160	0	0	0	0	0	0	0	0	150-160	0	167709	100,100
170	0	0	0	0	0	0	0	0	160-170	0	167709	100,100
180	0	0	0	0	0	0	0	0	170-180	0	167709	100,100
DEG	LUMINOUS INTENSITY:x100cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-16

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:

ISOCANDELA DIAGRAM

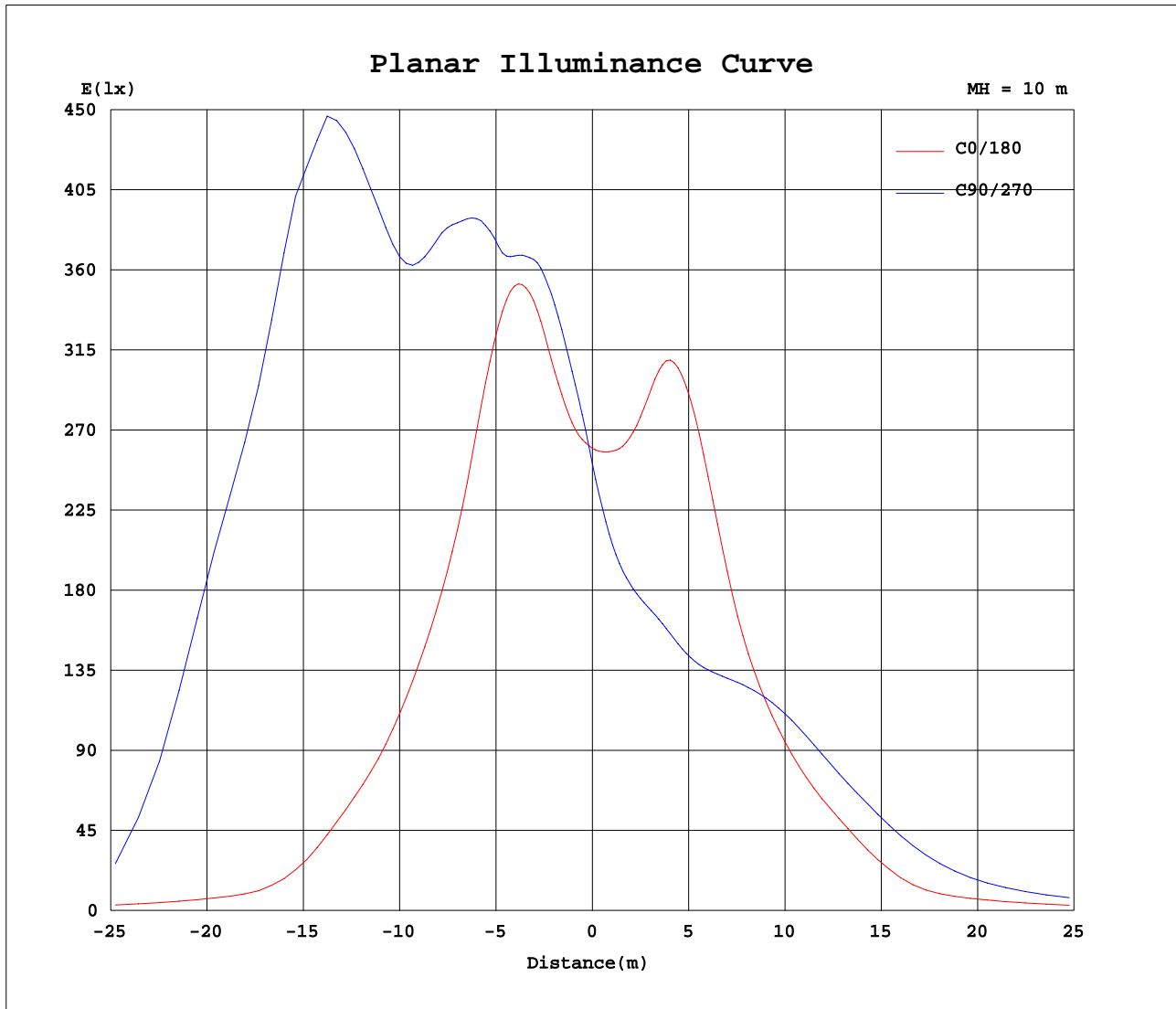
Test:U:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-16

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



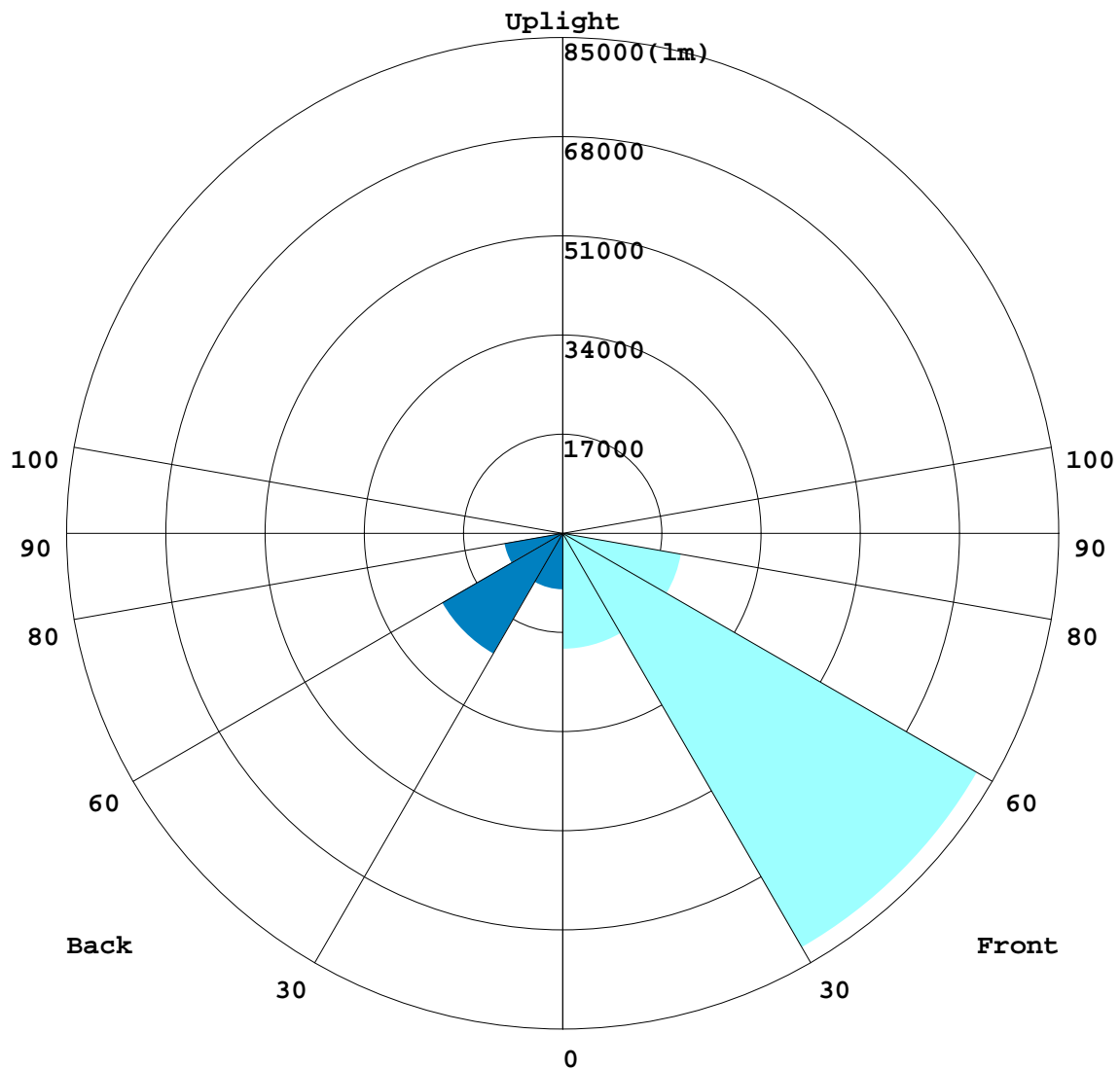
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	19821	11.8
FM - Front-Medium(30-60)	81973	48.9
FH - Front-High(60-80)	20606	12.3
FVH - Front-Very High(80-90)	903.11	0.5
Total Forward Light	1.233e+005	73.5

BL - Back-Low(0-30)	9636.5	5.7
BM - Back-Medium(30-60)	23823	14.2
BH - Back-High(60-80)	10113	6.0
BVH - Back-Very High(80-90)	833.4	0.5
Total Back Light	44406	26.5

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	B5-U0-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	44406	0	44406
Street Side	1.233e+005	0	1.233e+005

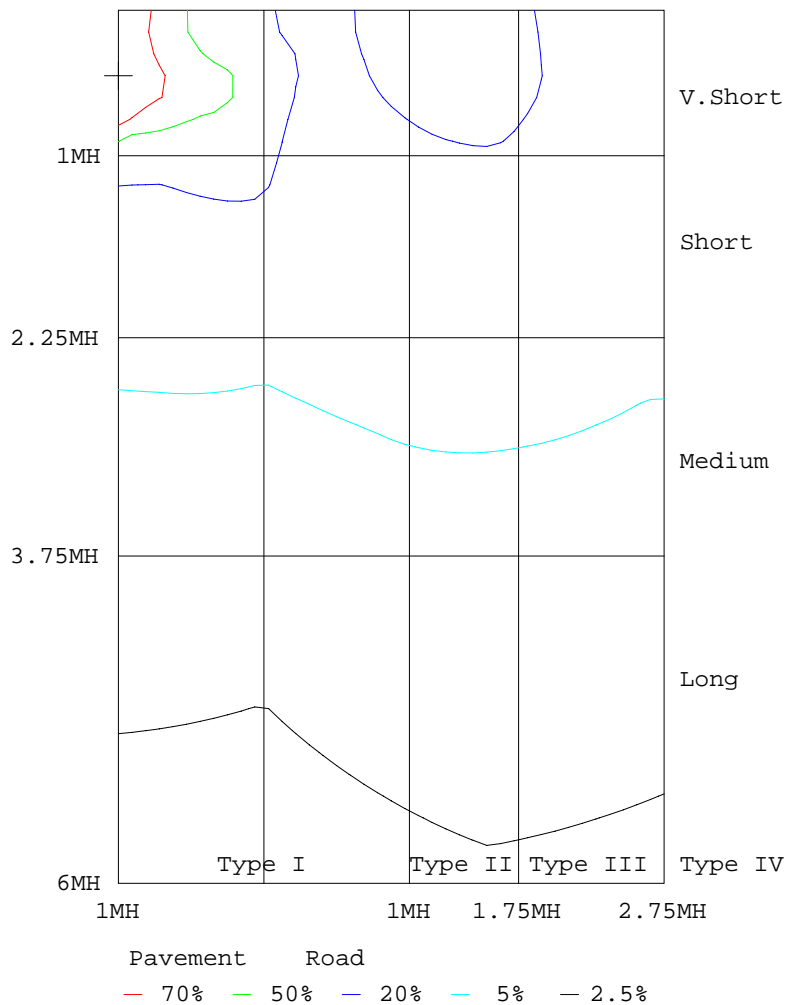
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--1

UNIT: ×100cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252	252
5	265	277	288	295	299	301	299	297	292	285	276	265	253	242	232	224	218	215	215
10	300	329	348	356	357	355	350	345	338	328	314	293	267	242	221	207	199	197	196
15	356	411	443	443	429	413	402	397	395	388	373	345	303	259	222	201	193	193	193
20	411	500	554	545	501	466	445	444	456	461	456	424	358	281	224	201	195	195	195
25	438	564	644	638	575	527	498	498	518	539	556	498	391	278	209	198	196	198	198
30	423	570	677	708	664	617	599	582	594	620	631	532	382	247	188	186	195	207	211
35	377	515	635	758	772	721	705	679	686	708	648	501	336	208	160	174	202	230	238
40	341	441	528	754	913	845	829	798	811	752	564	420	291	175	141	175	221	264	276
45	303	375	414	658	1034	1051	1042	986	973	700	426	358	260	142	132	179	245	303	314
50	258	301	314	489	1097	1439	1575	1391	1150	544	322	300	229	113	125	181	253	318	332
55	182	155	167	323	976	1803	2301	1915	1170	350	193	178	175	93.4	117	175	250	306	319
60	86.0	82.7	84.3	180	562	1520	2367	1948	801	204	87.0	87.2	89.8	82.9	106	163	230	263	250
65	67.6	71.9	76.1	88.8	228	570	1646	1103	285	90.6	76.4	71.1	65.3	72.5	93.6	140	192	195	171
70	51.3	58.9	62.6	68.3	74.2	101	198	131	77.8	67.2	60.7	55.4	49.0	58.2	74.3	96.3	143	134	120
75	36.1	40.7	45.3	45.3	53.1	77.5	104	87.7	55.3	44.1	43.9	39.1	34.4	43.7	48.9	55.0	85.8	88.8	79.1
80	23.1	26.8	29.0	28.7	33.2	45.8	79.8	50.3	33.5	27.7	27.7	24.9	21.6	27.8	28.8	29.9	42.4	49.2	46.9
85	11.8	15.1	13.4	13.4	14.3	19.9	35.6	21.0	14.0	12.2	11.7	11.9	10.4	11.2	11.4	11.6	15.7	18.6	16.5
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:2023-10-16

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:218.7V I:5.384A P:1172W PF:0.9955 Freq:60.01Hz Lamp Flux:167709x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:8.2KG
SPEC.:AOK-1200WFSC-NV-S3-00-4070-PG60D-P	DIM.: 462*666mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--2

UNIT: ×100cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	252	252	252	252	252														
5	217	221	229	239	251														
10	200	205	217	236	265														
15	197	202	215	240	289														
20	199	203	211	239	308														
25	200	197	199	218	300														
30	207	193	182	185	266														
35	230	202	173	153	226														
40	264	223	177	142	189														
45	302	253	186	137	150														
50	322	259	186	129	118														
55	309	254	179	120	96.9														
60	268	233	164	108	85.4														
65	202	194	141	94.3	75.7														
70	138	143	95.7	75.3	61.1														
75	90.7	84.7	55.7	50.2	46.0														
80	49.8	42.6	31.4	30.5	30.2														
85	18.9	16.4	13.1	13.3	13.5														
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:2023-10-16

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: