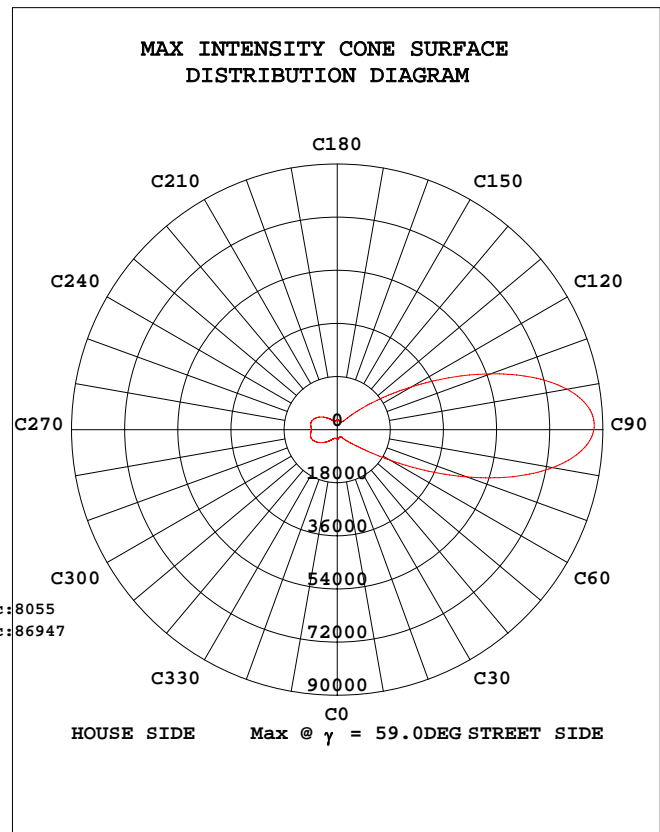
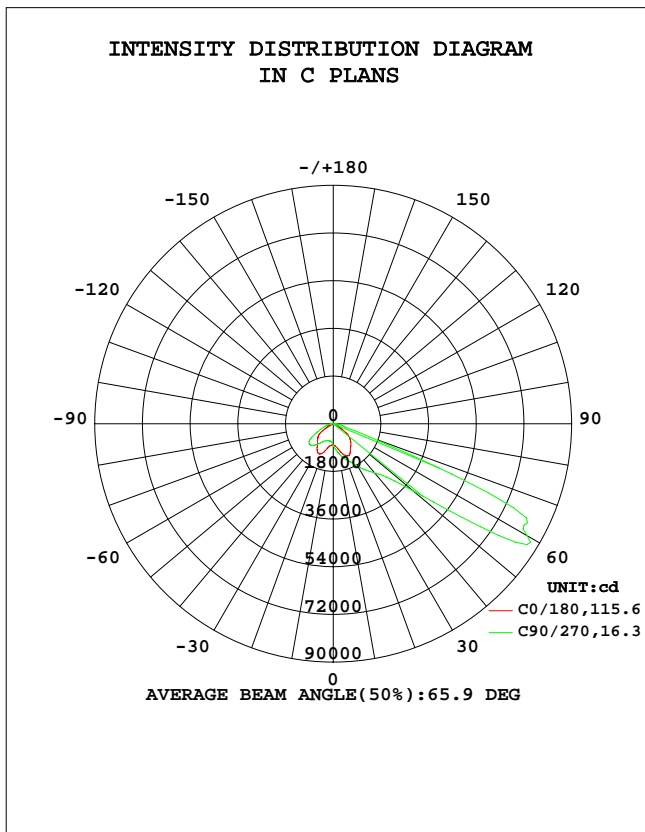


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.90 lm/W			
MODEL	3030	I _{max} (cd)	86947	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	72.8
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	56183	η house_up(%)	0.0
NOMINAL FLUX(lm)	56183	MAXIMUM @(C,γ)	90,59.0	η house_down(%)	27.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	20.613

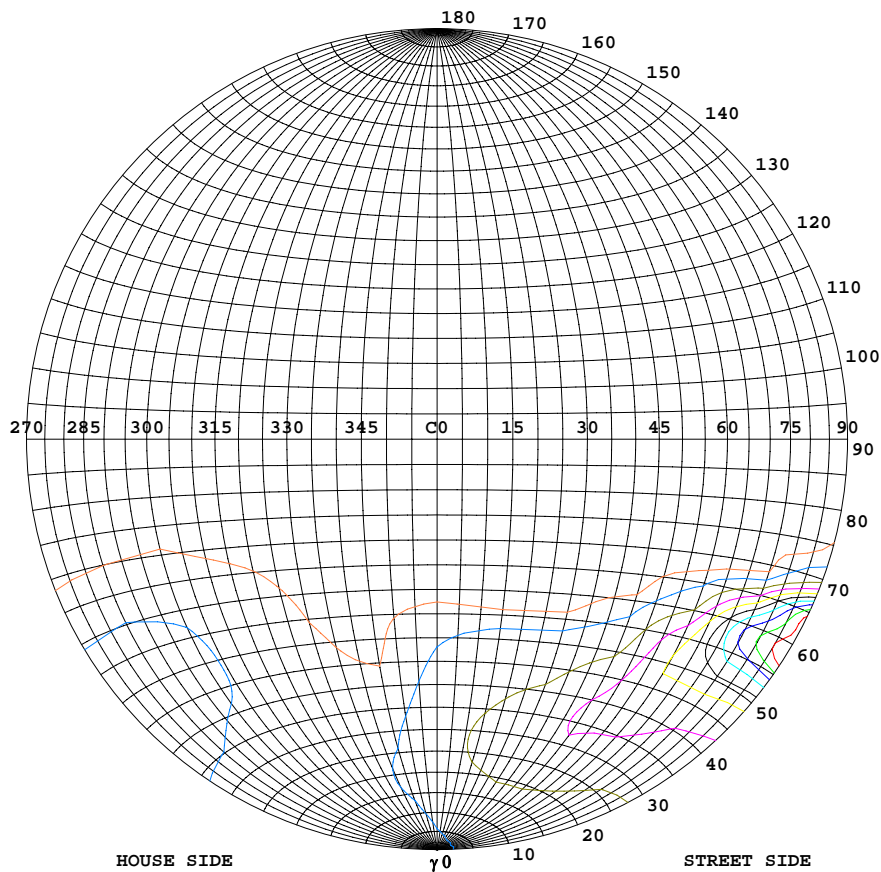


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



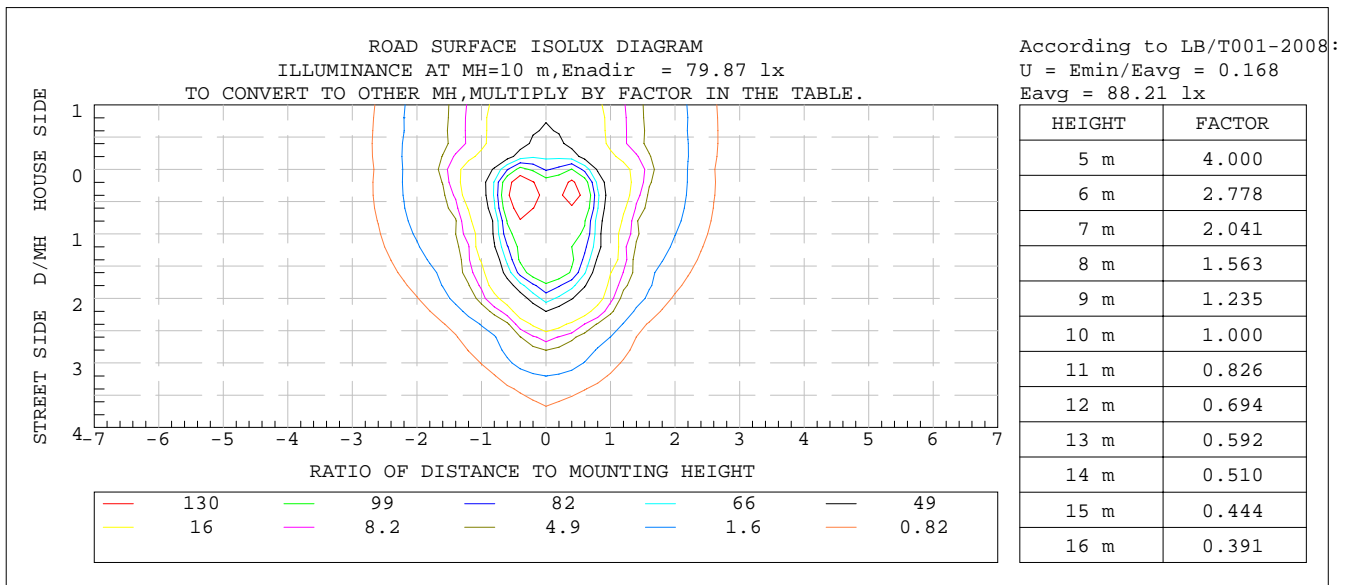
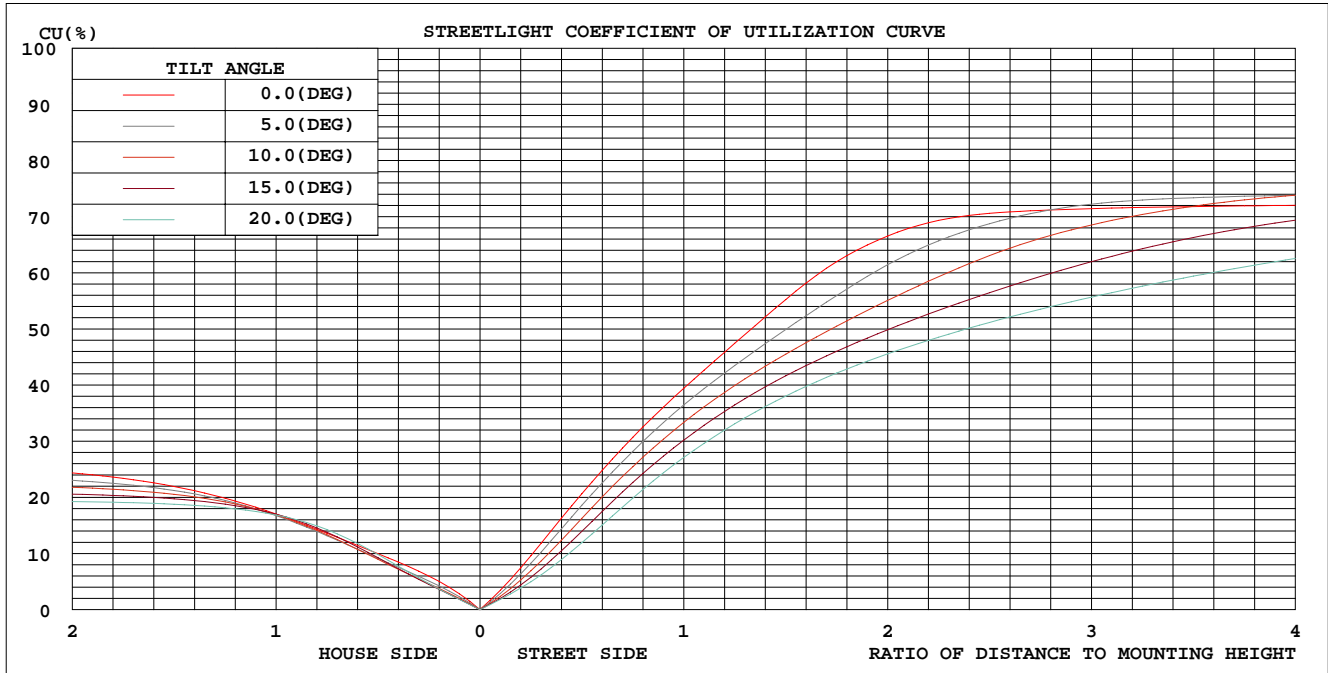
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:53.26cd/klm
Max.At90:0cd/klm
Max.80-90:53.26cd/klm
NRB 5101:Limited[2.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	86947
90%	78252
80%	69558
70%	60863
60%	52168
50%	43474
40%	34779
30%	26084
20%	17389
10%	8695
5%	4347

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-07

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: 2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

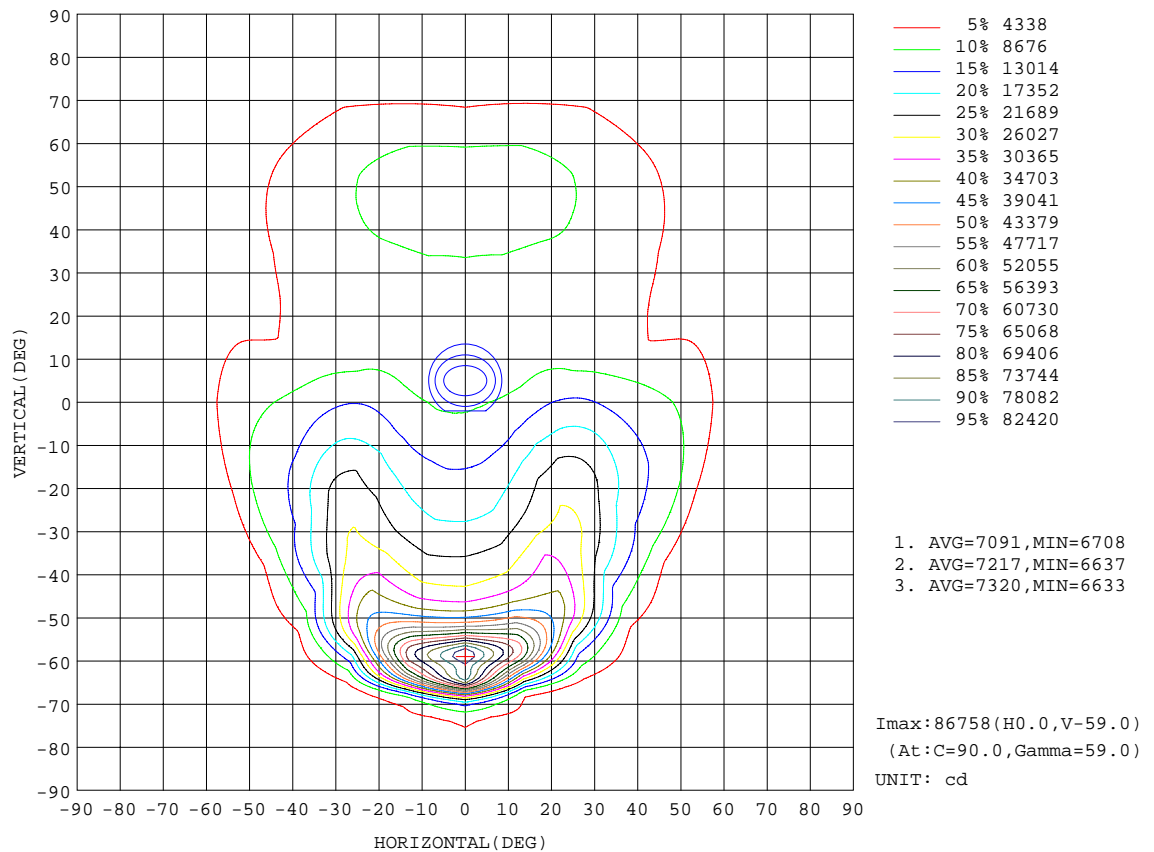
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	942.5	1126	1112	1061	868.4	692.0	666.8	714.4	0- 10	812.6	812.6	1.45,1.45
20	1266	1814	1451	1543	1176	702.3	682.3	717.0	10- 20	2949	3762	6.7,6.7
30	1276	2508	1871	2211	1207	644.4	787.2	631.2	20- 30	5960	9722	17.3,17.3
40	1037	2594	2423	2646	924.8	640.3	1045	648.3	30- 40	8978	18700	33.3,33.3
50	798.0	1597	3952	1848	743.0	663.5	1182	686.6	40- 50	11496	30195	53.7,53.7
60	284.1	537.7	8453	653.0	297.5	580.5	814.8	595.4	50- 60	14052	44248	78.8,78.8
70	176.7	222.8	1438	217.7	165.4	327.2	387.9	328.3	60- 70	9072	53319	94.9,94.9
80	80.82	96.55	299.3	93.18	72.88	103.0	162.1	108.6	70- 80	2248	55568	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	615.4	56183	100,100
100	0	0	0	0	0	0	0	0	90-100	0	56183	100,100
110	0	0	0	0	0	0	0	0	100-110	0	56183	100,100
120	0	0	0	0	0	0	0	0	110-120	0	56183	100,100
130	0	0	0	0	0	0	0	0	120-130	0	56183	100,100
140	0	0	0	0	0	0	0	0	130-140	0	56183	100,100
150	0	0	0	0	0	0	0	0	140-150	0	56183	100,100
160	0	0	0	0	0	0	0	0	150-160	0	56183	100,100
170	0	0	0	0	0	0	0	0	160-170	0	56183	100,100
180	0	0	0	0	0	0	0	0	170-180	0	56183	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:2023-09-07

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

ISOCANDELA DIAGRAM

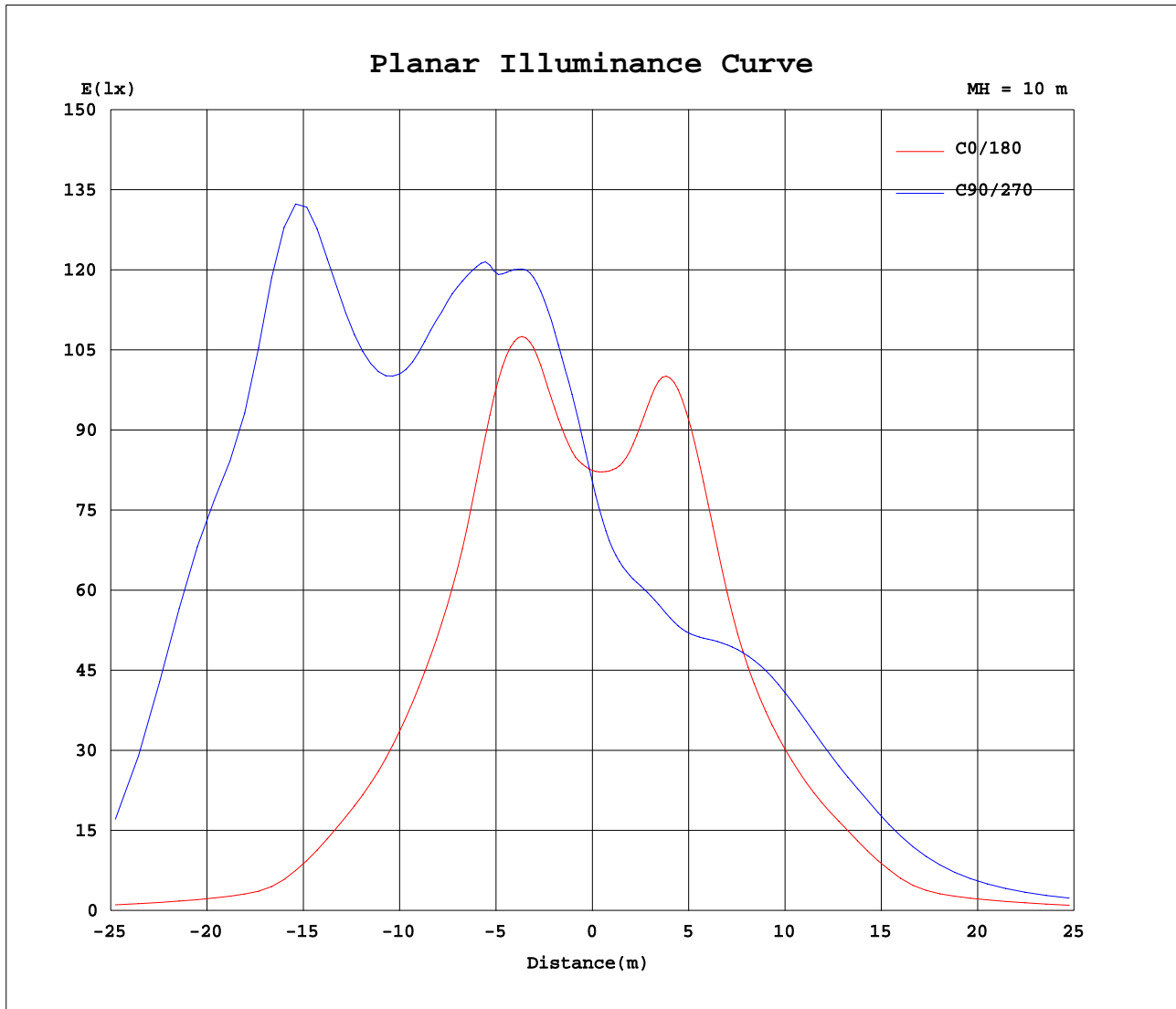
Test:U:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-07

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



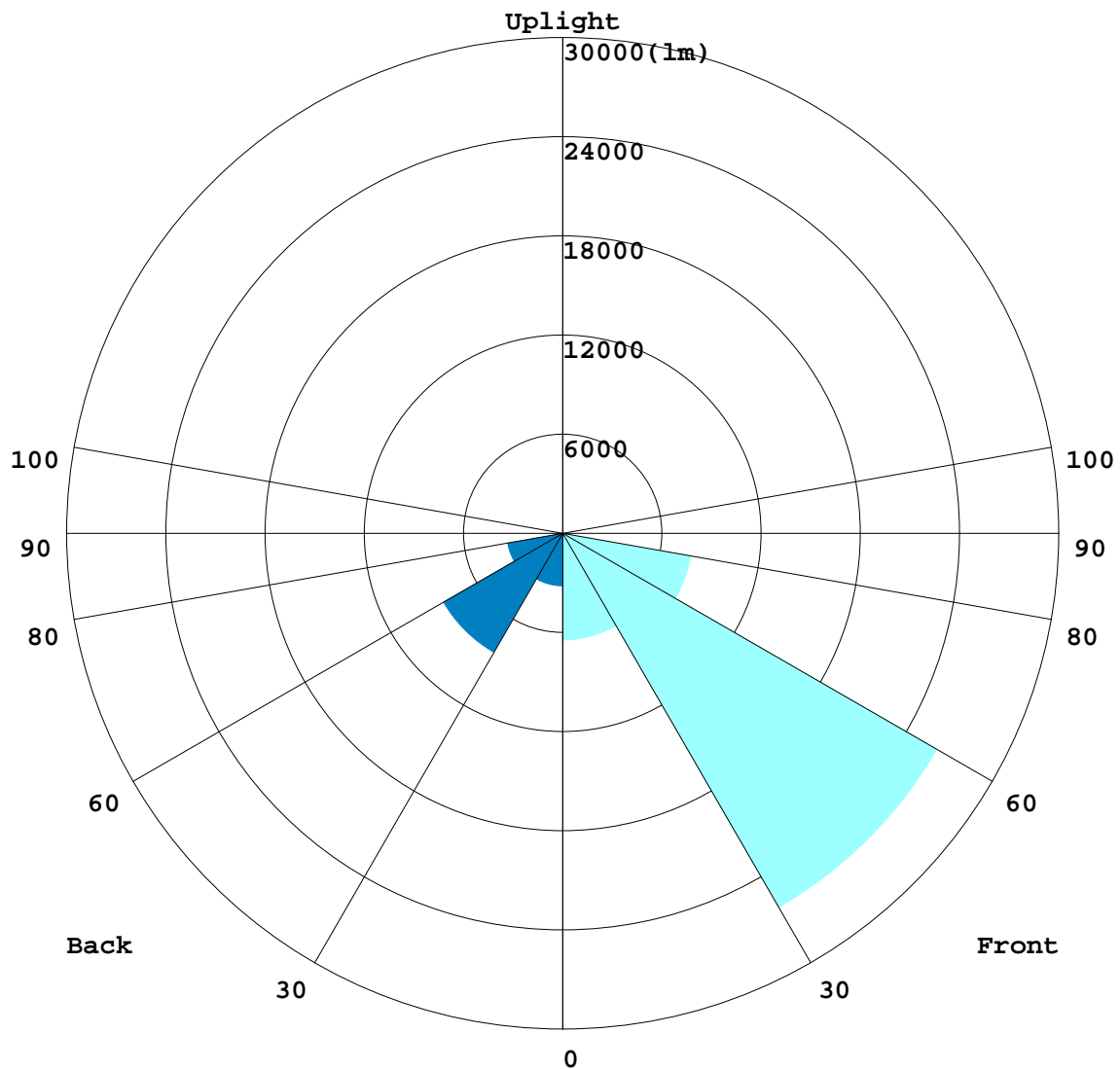
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	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:2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6501.9	11.6
FM - Front-Medium(30-60)	26173	46.6
FH - Front-High(60-80)	7914.5	14.1
FVH - Front-Very High(80-90)	323.27	0.6
Total Forward Light	40913	72.8

BL - Back-Low(0-30)	3219.9	5.7
BM - Back-Medium(30-60)	8352.9	14.9
BH - Back-High(60-80)	3405.4	6.1
BVH - Back-Very High(80-90)	292.11	0.5
Total Back Light	15270	27.2

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15270	0	15270
Street Side	40913	0	40913

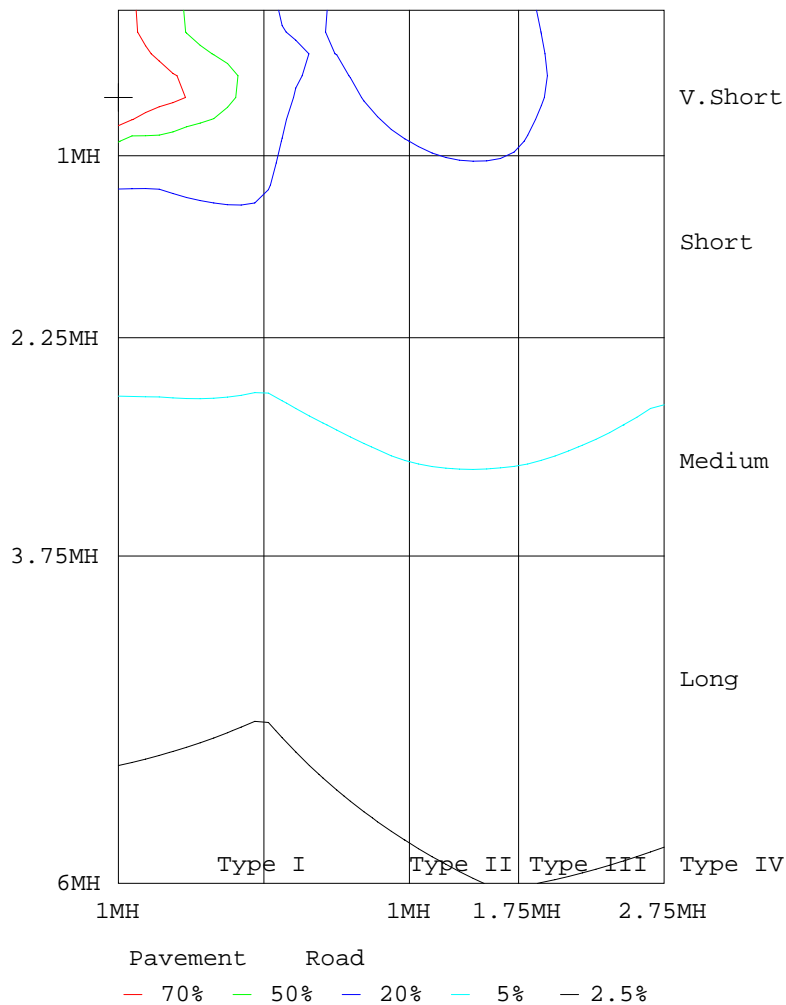
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	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:2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805
5	840	875	910	934	950	956	954	947	935	914	888	852	814	781	751	730	713	706	702
10	943	1032	1101	1126	1128	1125	1112	1100	1086	1061	1022	954	868	793	729	692	673	670	667
15	1107	1286	1408	1412	1376	1323	1290	1277	1282	1265	1237	1150	1003	859	744	691	671	674	670
20	1266	1569	1792	1814	1661	1521	1451	1455	1506	1543	1550	1434	1176	907	743	702	687	687	682
25	1338	1791	2150	2218	1937	1711	1605	1626	1725	1871	1927	1661	1256	868	700	685	690	707	710
30	1276	1831	2330	2508	2240	1958	1871	1853	1971	2211	2217	1744	1207	765	633	644	701	769	787
35	1137	1663	2224	2671	2625	2248	2129	2114	2293	2536	2299	1619	1057	647	545	623	749	874	907
40	1037	1447	1835	2594	3074	2584	2423	2416	2727	2646	1995	1368	925	542	493	640	827	998	1045
45	928	1254	1431	2201	3350	3098	2849	2865	3217	2436	1484	1186	835	434	473	661	904	1115	1157
50	798	1028	1090	1597	3487	4138	3952	3811	3705	1848	1126	1007	743	362	451	663	919	1129	1182
55	586	544	574	1053	3109	5702	6781	5607	3707	1174	673	593	578	316	421	634	883	1057	1097
60	284	278	283	538	1767	5888	8453	6766	2558	653	286	279	298	284	382	580	790	880	815
65	231	244	257	274	778	2568	7515	4441	988	287	254	238	223	251	334	490	646	637	552
70	177	195	212	223	251	378	1438	559	259	218	201	182	165	200	261	327	472	430	388
75	124	140	156	148	179	275	444	315	184	145	147	131	115	150	169	186	280	281	265
80	80.8	95.0	102	96.5	111	158	299	175	111	93.2	93.6	85.5	72.9	96.9	101	103	138	160	162
85	43.5	71.8	50.7	48.1	47.0	65.5	128	69.5	45.6	43.1	42.6	48.0	37.6	42.8	42.4	41.5	53.8	64.1	56.5
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:2023-09-07

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:478.8V I:0.8747A P:395.9W PF:0.9453 Freq:60.01Hz Lamp Flux:56183x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-S3-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	805	805	805	805	805														
5	708	718	738	765	800														
10	676	686	714	760	839														
15	682	693	722	781	907														
20	693	699	717	772	948														
25	708	686	677	710	900														
30	767	695	631	609	789														
35	873	749	619	522	663														
40	999	835	648	499	541														
45	1121	931	681	487	428														
50	1145	940	687	466	367														
55	1069	903	656	435	325														
60	892	804	595	392	294														
65	644	656	499	340	262														
70	436	477	328	265	211														
75	286	284	189	173	159														
80	161	142	109	106	105														
85	64.9	56.5	47.0	48.7	50.3														
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:2023-09-07

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: