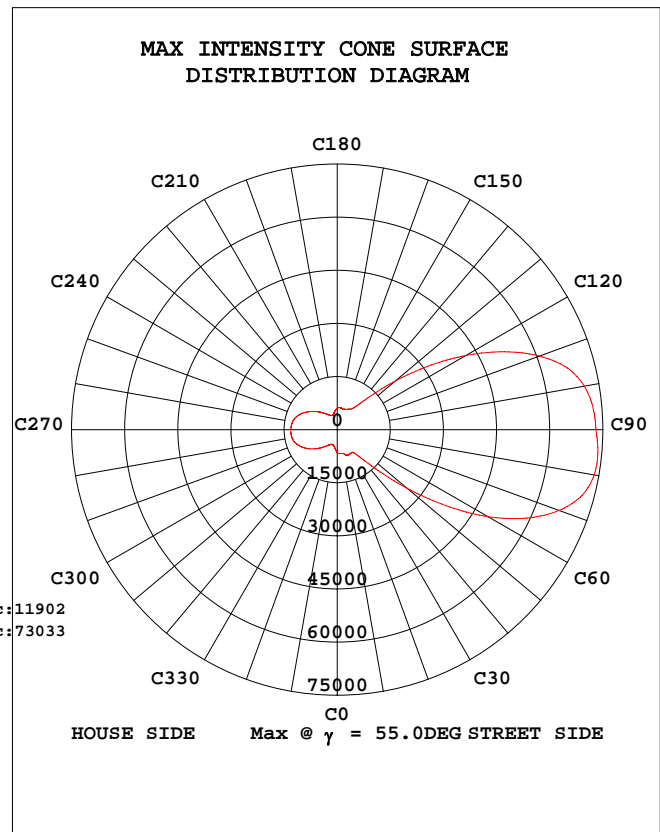
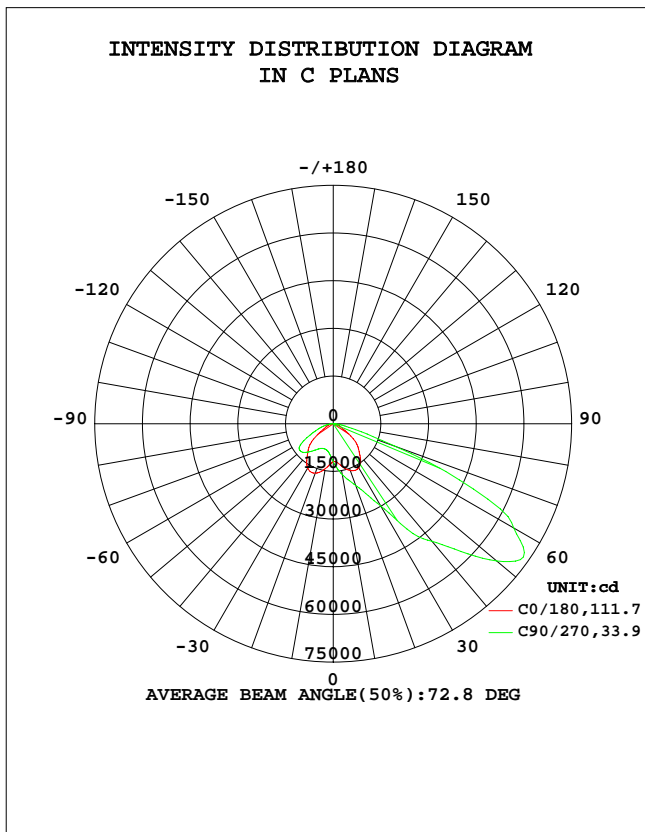


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 181.52 lm/W			
MODEL	5050	I _{max} (cd)	73033	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	73.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	72263	η house_up(%)	0.0
NOMINAL FLUX(lm)	72263.3	MAXIMUM @(C,γ)	90,55.0	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	20.887

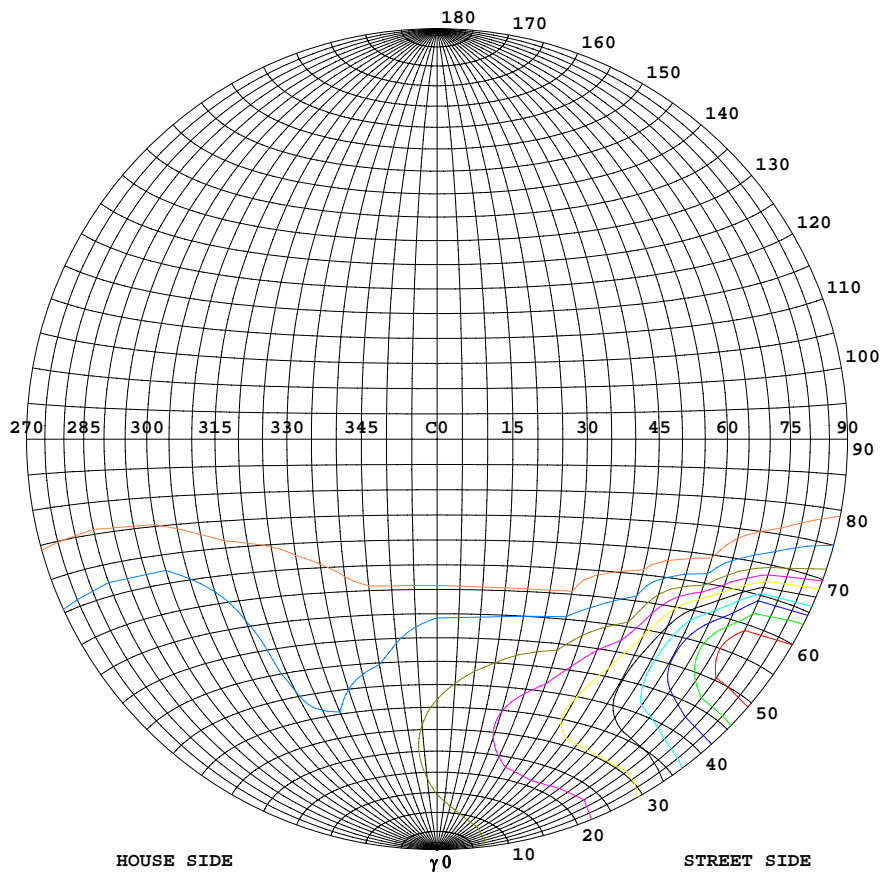


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



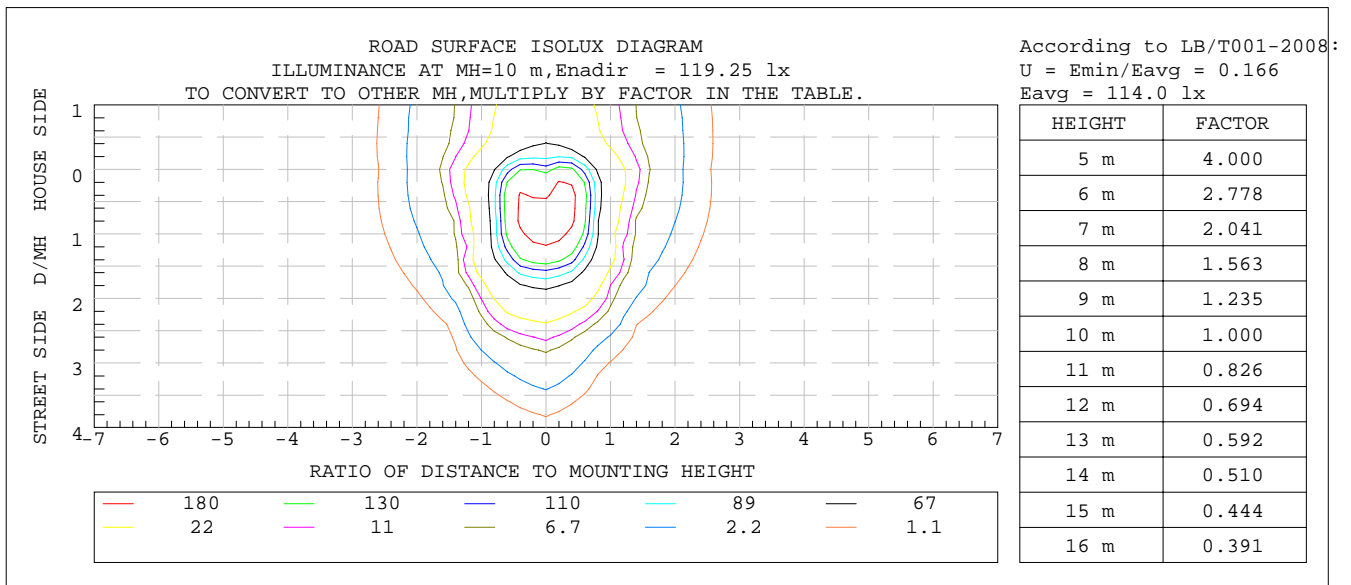
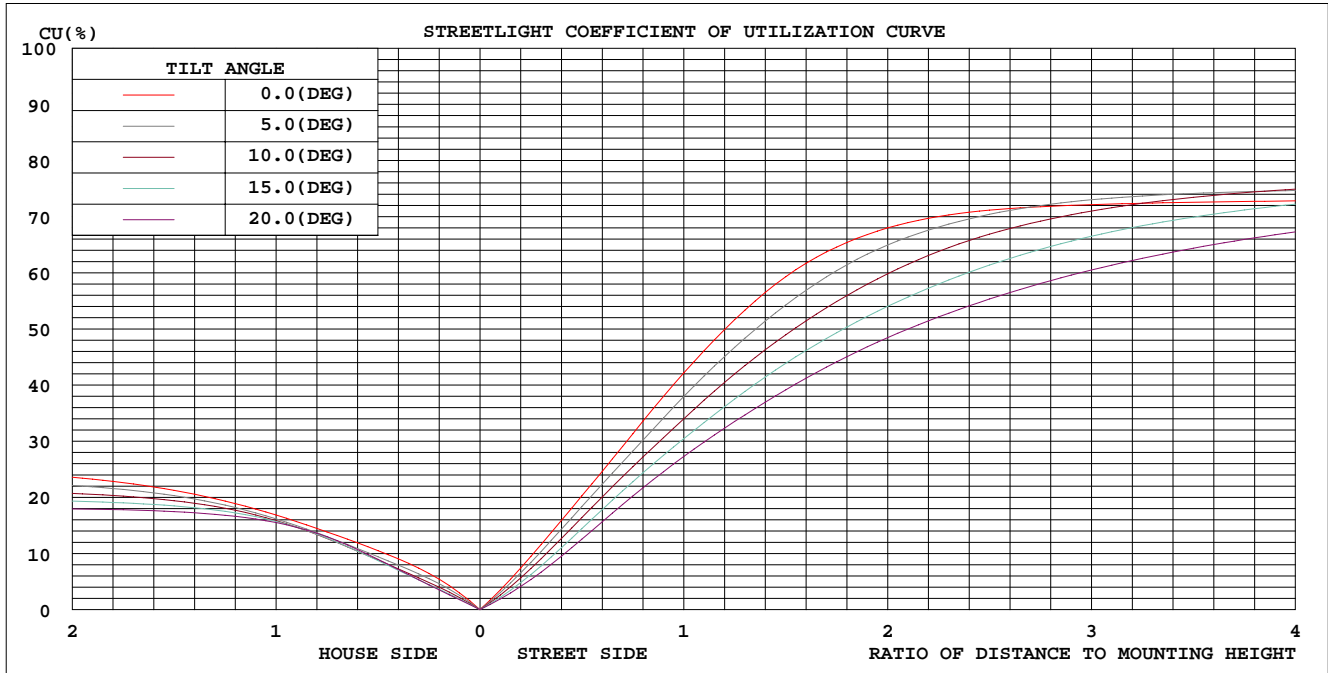
Classification:

IES:Type III - Very Short
CIE:Broad - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:44.69cd/klm
Max.At90:0cd/klm
Max.80-90:44.69cd/klm
NRB 5101:Limited[2.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	73033
90%	65730
80%	58427
70%	51123
60%	43820
50%	36517
40%	29213
30%	21910
20%	14607
10%	7303
5%	3652

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-05

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: 2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

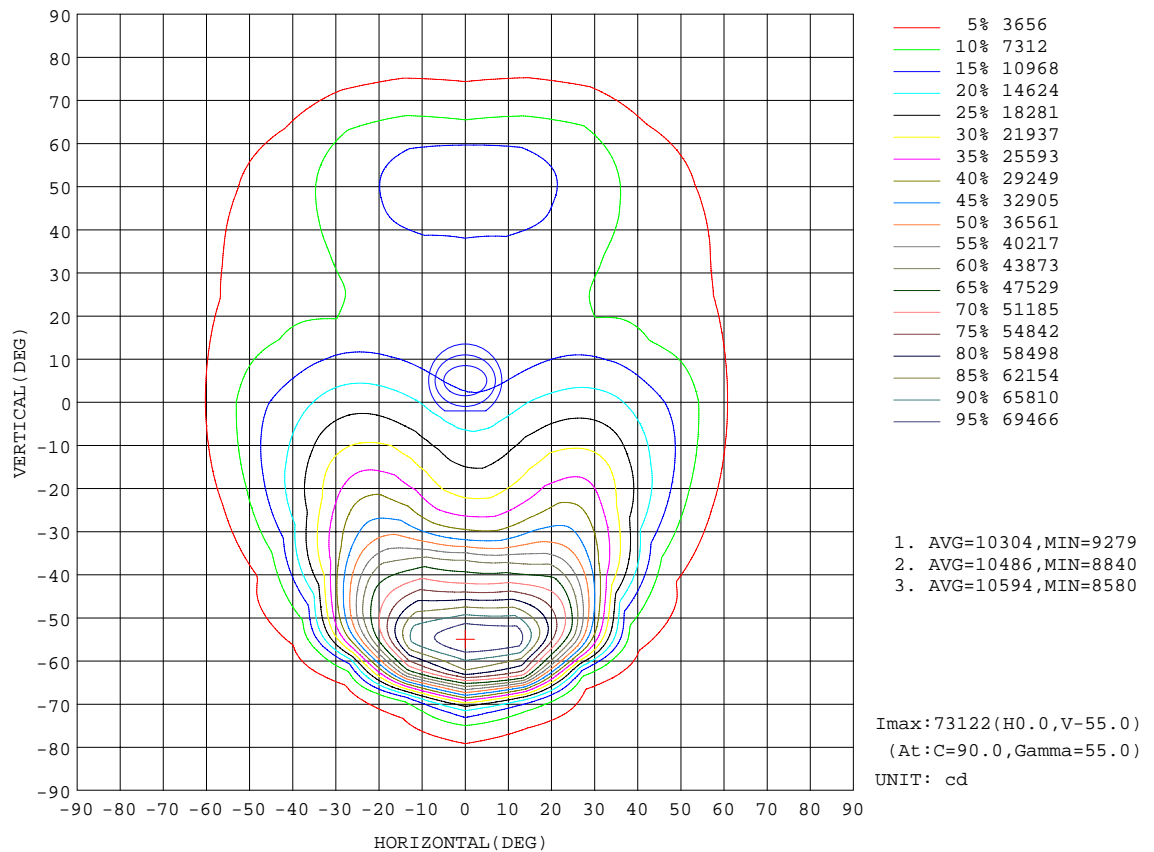
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	1324	1547	1619	1686	1432	1056	898.2	991.0	0- 10	1202	1202	1.66,1.66
20	1565	2108	2063	2350	1654	923.9	838.9	899.5	10- 20	4094	5297	7.33,7.33
30	1602	2817	2985	3011	1610	789.1	916.0	796.4	20- 30	7784	13081	18.1,18.1
40	1312	3203	4827	3092	1262	764.9	1148	783.1	30- 40	12281	25361	35.1,35.1
50	949.5	2551	6713	2187	896.3	743.2	1346	774.2	40- 50	16236	41597	57.6,57.6
60	396.9	829.5	6553	715.2	371.0	650.2	1072	687.7	50- 60	16948	58545	81,81
70	218.2	273.8	2056	258.6	203.7	387.4	524.7	422.1	60- 70	10003	68548	94.9,94.9
80	99.22	117.5	323.0	108.8	90.85	127.6	198.7	138.3	70- 80	2964	71513	99,99
90	0	0	0	0	0	0	0	0	80- 90	750.6	72263	100,100
100	0	0	0	0	0	0	0	0	90-100	0	72263	100,100
110	0	0	0	0	0	0	0	0	100-110	0	72263	100,100
120	0	0	0	0	0	0	0	0	110-120	0	72263	100,100
130	0	0	0	0	0	0	0	0	120-130	0	72263	100,100
140	0	0	0	0	0	0	0	0	130-140	0	72263	100,100
150	0	0	0	0	0	0	0	0	140-150	0	72263	100,100
160	0	0	0	0	0	0	0	0	150-160	0	72263	100,100
170	0	0	0	0	0	0	0	0	160-170	0	72263	100,100
180	0	0	0	0	0	0	0	0	170-180	0	72263	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:2023-09-05

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

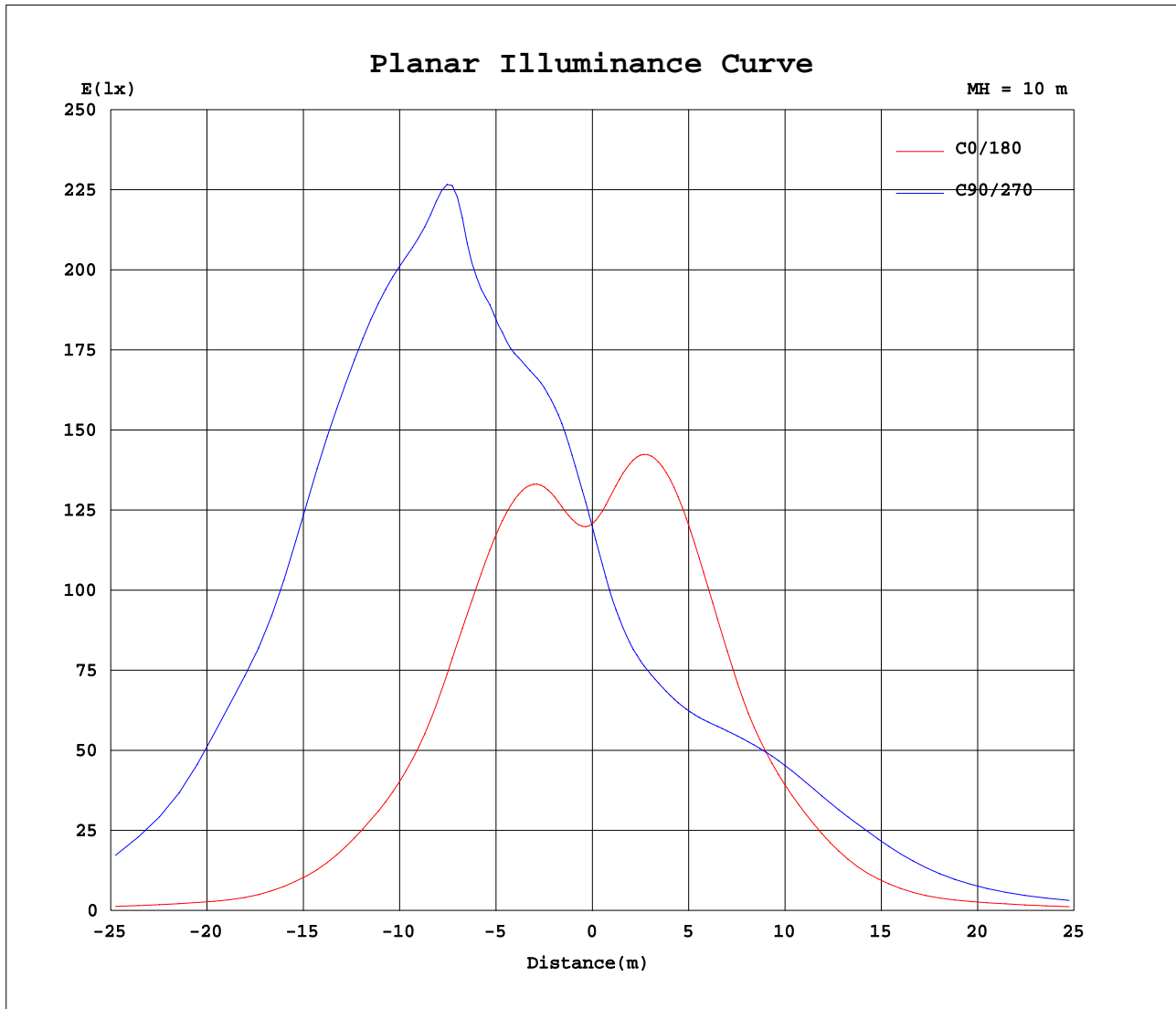
Test:U:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-PG60D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-09-05

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



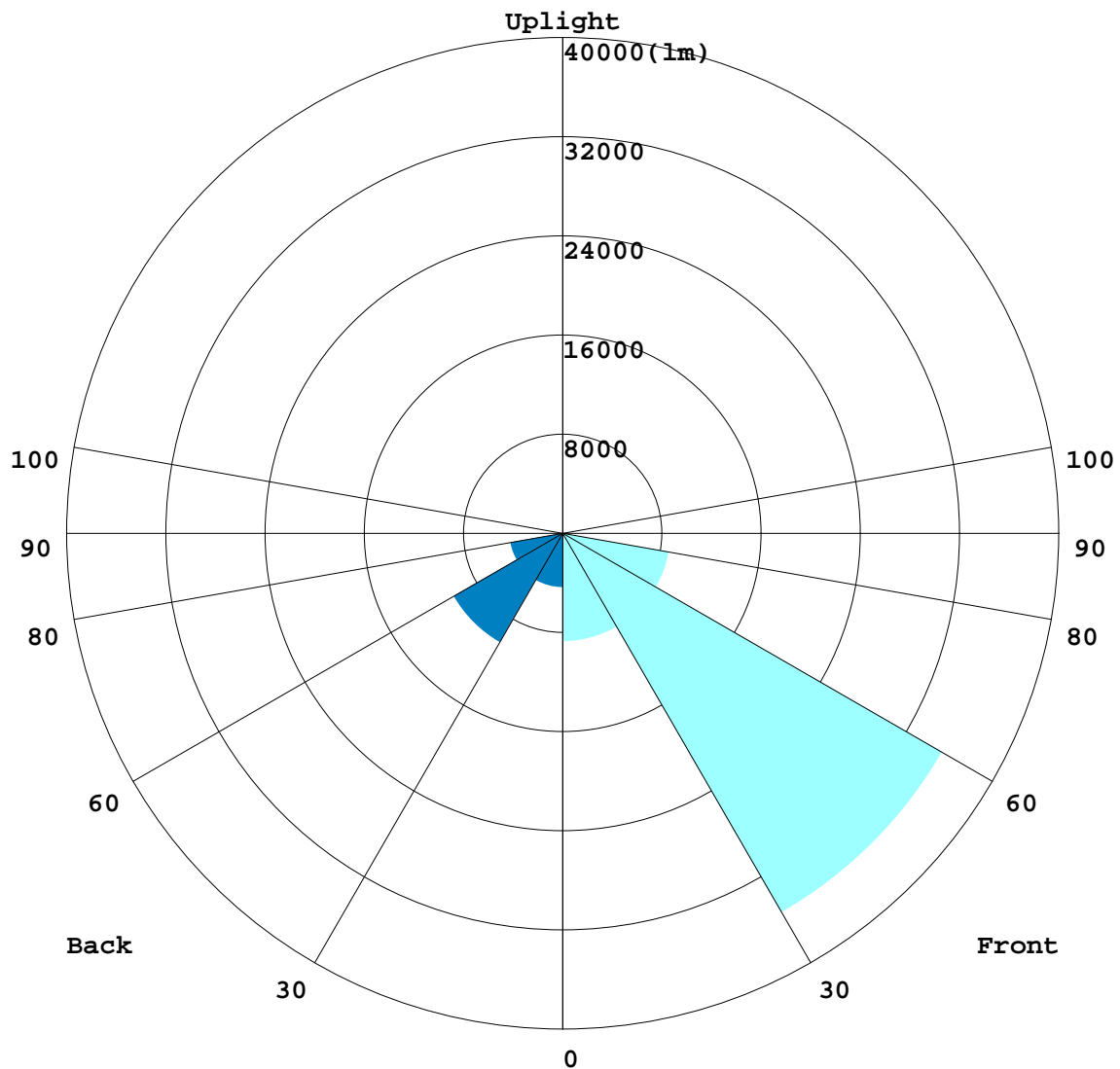
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-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:2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-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)	8718.5	12.1
FM - Front-Medium(30-60)	35314	48.9
FH - Front-High(60-80)	8686.4	12.0
FVH - Front-Very High(80-90)	376.13	0.5
Total Forward Light	53095	73.5

BL - Back-Low(0-30)	4362.1	6.0
BM - Back-Medium(30-60)	10150	14.0
BH - Back-High(60-80)	4281	5.9
BVH - Back-Very High(80-90)	374.43	0.5
Total Back Light	19168	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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19168	0	19168
Street Side	53095	0	53095

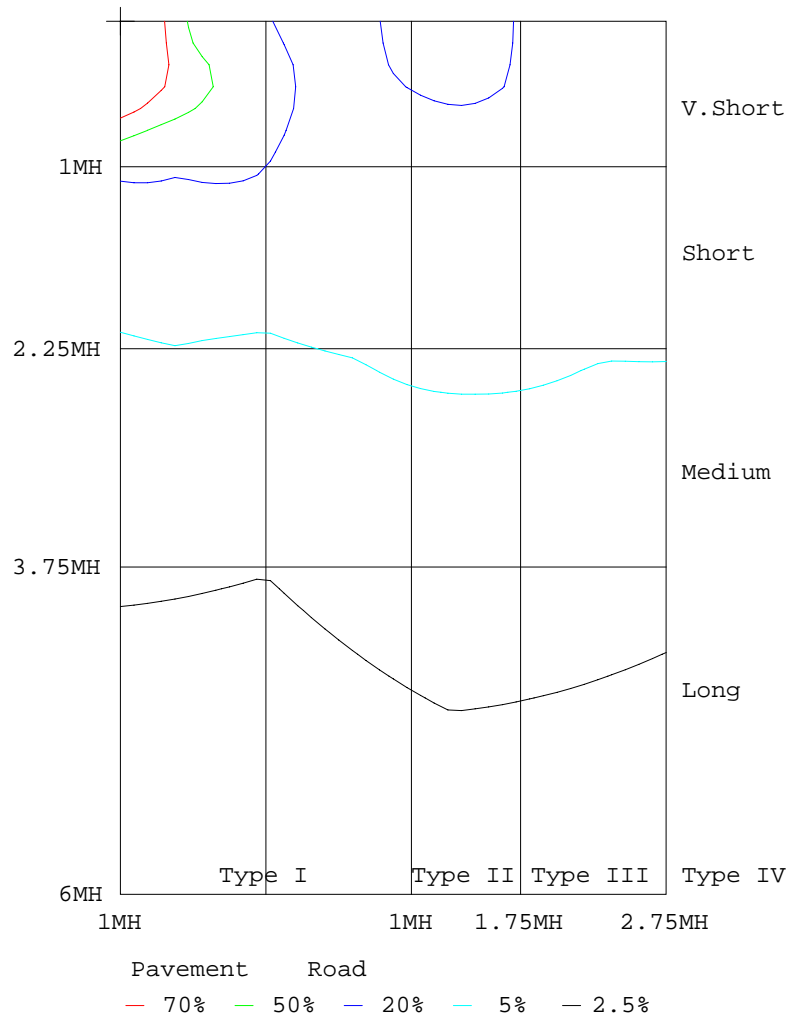
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-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:2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-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	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196
5	1214	1258	1303	1335	1363	1384	1400	1413	1415	1406	1382	1341	1289	1233	1169	1114	1065	1032	1013
10	1324	1419	1503	1547	1574	1594	1619	1654	1686	1686	1640	1550	1432	1303	1166	1056	972	925	898
15	1460	1626	1766	1813	1803	1800	1827	1891	1978	2006	1937	1770	1565	1353	1147	994	903	866	848
20	1565	1823	2039	2108	2061	2030	2063	2155	2309	2350	2219	1956	1654	1363	1097	924	855	846	839
25	1620	1975	2296	2448	2406	2356	2422	2518	2715	2697	2432	2067	1676	1321	1006	848	834	854	857
30	1602	2045	2488	2817	2874	2857	2985	3080	3202	3011	2541	2068	1610	1213	867	789	837	900	916
35	1505	1985	2534	3143	3485	3702	4047	4018	3730	3186	2454	1933	1460	1052	727	757	874	987	1019
40	1312	1758	2287	3203	4150	4699	4827	4907	4254	3092	2138	1658	1262	883	631	765	951	1109	1148
45	1129	1448	1860	3029	4757	5540	5682	5594	4626	2781	1687	1382	1099	727	572	759	1016	1229	1279
50	950	1129	1309	2551	5053	6522	6713	6306	4638	2187	1186	1035	896	575	526	743	1022	1278	1346
55	670	696	777	1626	4916	7159	7303	6731	4197	1364	676	609	613	444	488	708	999	1243	1311
60	397	372	378	830	3812	6310	6553	5759	2891	715	351	357	371	363	442	650	916	1087	1072
65	287	303	316	399	1241	4603	4868	3642	888	363	307	293	276	308	387	557	773	845	757
70	218	240	262	274	333	1269	2056	739	294	259	244	221	204	244	307	387	580	598	525
75	153	174	191	184	228	432	731	325	213	170	176	158	142	182	205	227	347	390	343
80	99.2	115	124	117	139	209	323	186	129	109	112	103	90.8	119	123	128	176	213	199
85	53.4	71.0	60.6	56.7	58.7	85.5	127	76.0	52.4	49.3	50.5	74.8	46.5	53.3	52.4	52.6	67.5	83.8	73.2
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:2023-09-05

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:219.1V I:1.867A P:398.1W PF:0.9731 Freq:60.01Hz Lamp Flux:72263.3x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-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	1196	1196	1196	1196	1196														
5	1013	1028	1062	1105	1159														
10	901	928	991	1078	1199														
15	855	876	948	1071	1257														
20	844	848	899	1044	1286														
25	855	831	844	980	1275														
30	902	840	796	867	1204														
35	992	883	774	742	1071														
40	1119	967	783	652	894														
45	1245	1039	780	588	722														
50	1300	1055	774	543	572														
55	1268	1042	746	507	451														
60	1101	962	688	459	378														
65	846	813	591	404	320														
70	596	616	422	324	258														
75	394	379	246	216	195														
80	221	194	138	132	130														
85	88.4	75.1	60.8	61.2	62.3														
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:2023-09-05

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: