

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P459603

Luminaire Tested: **GAN-SA2A-AMB-U-SL2**

Issue Date: 1/6/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P459603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-AMB-U-SL2
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2334.9 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

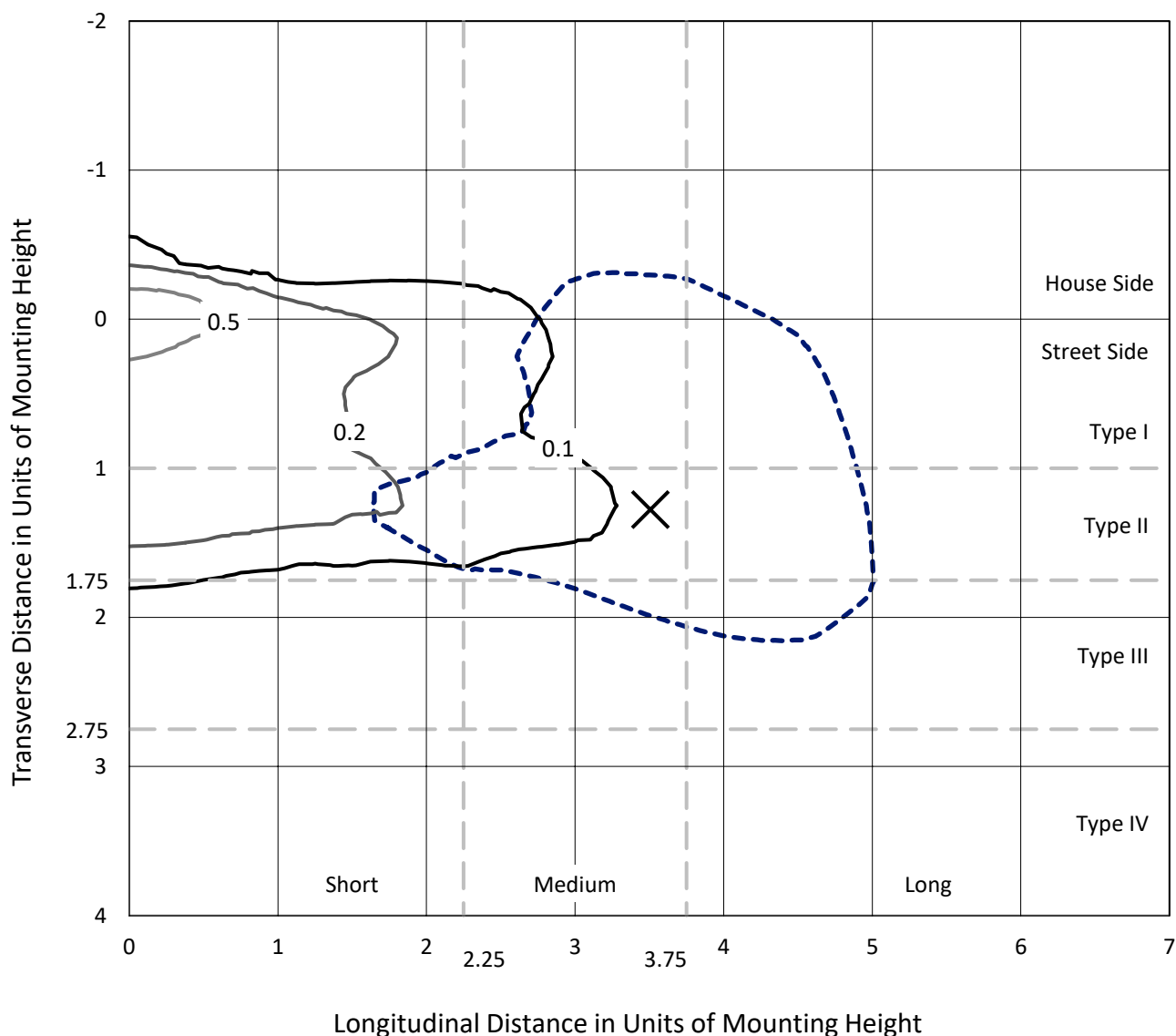
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459603
 CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

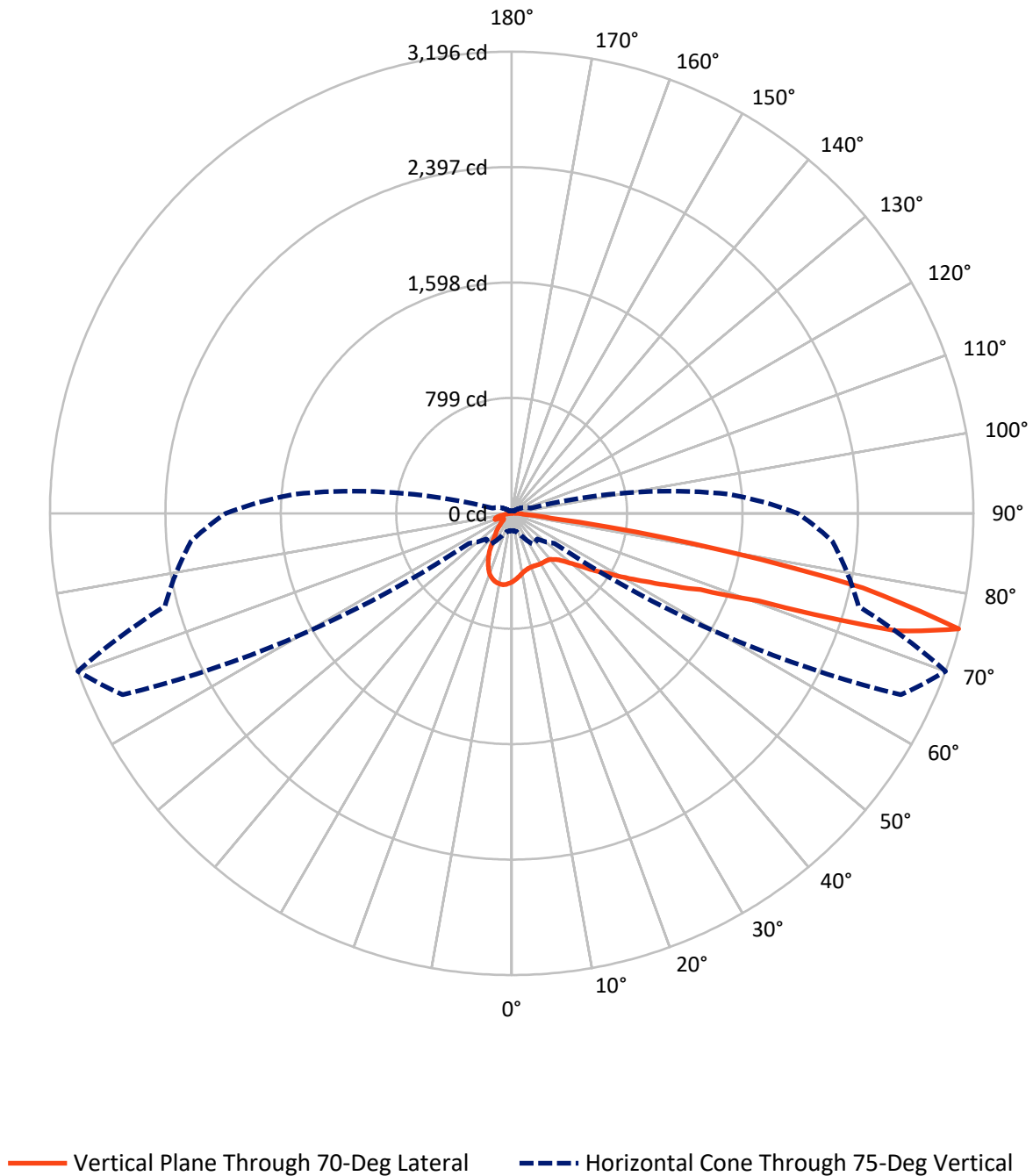
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P459603
CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P459603

CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

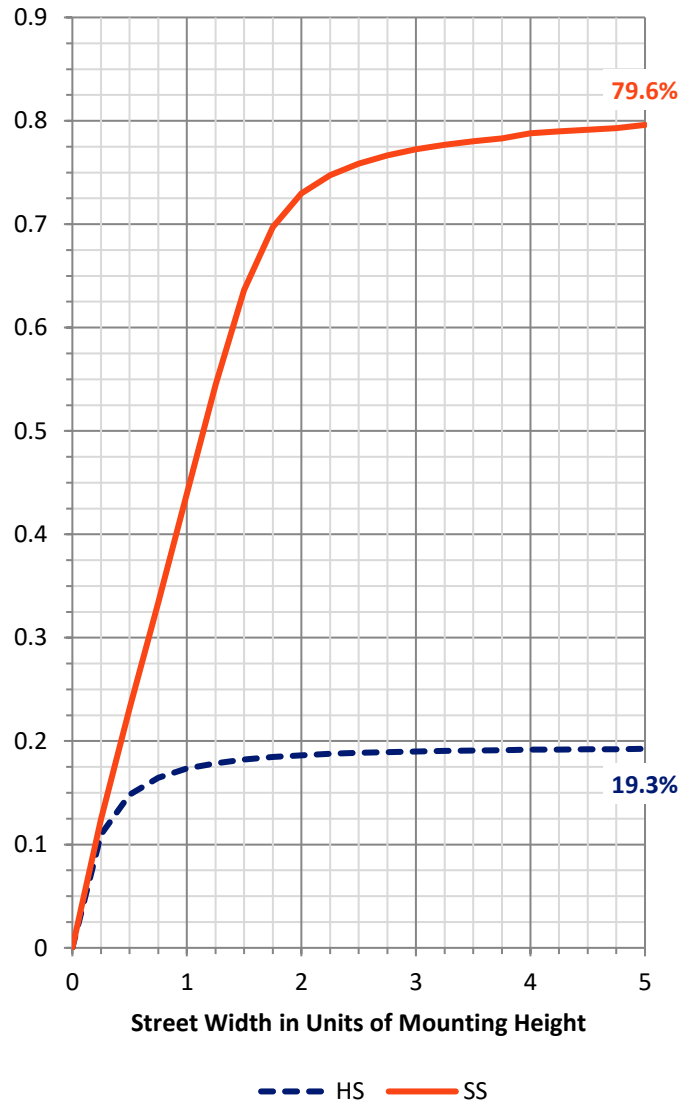
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.6	0.0	455.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	1879.3	0.0	1879.3
	% Fixture	80.5	0.0	80.5
Total	Lumens	2334.9	0.0	2334.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	1.8
10°-20°	104.5	4.5
20°-30°	140.5	6.0
30°-40°	184.8	7.9
40°-50°	263.7	11.3
50°-60°	410.7	17.6
60°-70°	536.2	23.0
70°-80°	569.9	24.4
80°-90°	81.6	3.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2334.9	100.0
0°-180°	2334.9	100.0

Coefficient of Utilization



REPORT NUMBER: P459603

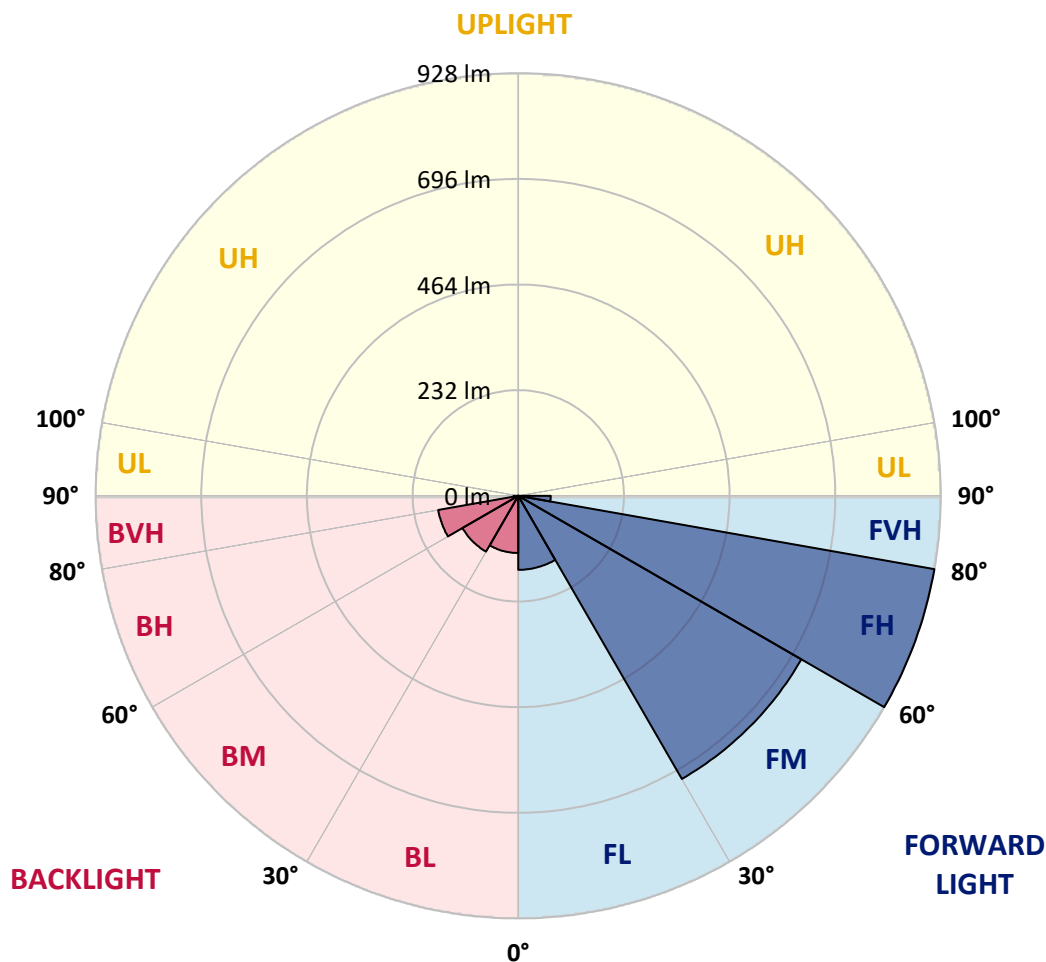
CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.5	7.0			
FM	(30°-60°)	717.8	30.7			
FH	(60°-80°)	927.7	39.7			G1/1800
FVH	(80°-90°)	71.3	3.1			G1/100
BL	(0°-30°)	125.5	5.4	B1/500		
BM	(30°-60°)	141.4	6.1	B0/220		
BH	(60°-80°)	178.3	7.6	B1/500		G1/500
BVH	(80°-90°)	10.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



REPORT NUMBER: P459603

CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	475	475	475	475	475	475	475	475	475	475	475
2.5°	445	445	448	448	452	453	457	459	461	464	470
5°	413	412	415	420	425	430	437	444	447	452	462
7.5°	389	389	391	394	401	407	418	426	433	440	454
10°	371	371	373	376	383	388	398	412	418	428	446
12.5°	354	356	357	361	366	373	383	398	408	420	444
15°	346	346	347	350	355	362	374	390	401	415	445
17.5°	344	343	342	343	348	355	367	385	397	413	450
20°	345	344	343	341	343	350	365	383	395	412	458
22.5°	350	350	348	344	343	348	364	383	396	413	466
25°	364	363	361	353	347	349	364	385	398	415	473
27.5°	379	379	377	370	358	353	366	388	401	417	481
30°	403	402	400	392	377	361	370	391	403	418	488
32.5°	432	432	433	423	401	375	374	393	404	419	496
35°	466	467	470	462	435	396	384	398	406	420	504
37.5°	491	492	503	505	473	424	400	408	410	422	512
40°	520	520	536	548	527	463	422	420	419	430	522
42.5°	552	556	570	590	581	508	453	441	436	444	538
45°	582	584	610	633	634	569	497	474	460	469	567
47.5°	615	618	650	687	694	634	547	515	497	506	609
50°	663	668	695	740	759	711	611	572	552	556	668
52.5°	740	739	752	796	842	796	697	642	615	621	744
55°	786	785	803	851	935	903	792	725	700	697	832
57.5°	745	747	778	853	998	1070	896	826	783	788	939
60°	623	611	646	748	979	1257	1044	948	903	894	1074
62.5°	420	424	447	513	838	1308	1422	1100	1038	1022	1201
65°	316	315	316	327	454	1260	1813	1302	1205	1152	1335
67.5°	264	261	260	285	283	793	1943	1761	1410	1298	1465
70°	224	218	216	256	263	281	1928	2615	1811	1502	1637
72.5°	170	169	173	218	259	246	1161	2989	2785	1896	1992
75°	121	120	131	177	263	250	363	2971	3196	2485	2229
77.5°	80	79	89	127	247	251	237	2151	2485	2328	1827
80°	53	51	58	88	198	269	232	1065	1267	1078	607
82.5°	31	30	37	61	130	266	234	335	274	140	76
85°	16	17	24	37	84	235	250	172	80	57	38
87.5°	5	7	13	20	47	162	222	133	58	37	21
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P459603

CATALOG NUMBER: GAN-SA2A-AMB-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	475	475	475	475	475	475	475	475	475	475	475
2.5°	472	475	481	488	495	498	502	503	505	506	505
5°	469	476	489	498	504	503	502	499	498	497	495
7.5°	463	475	494	502	498	486	476	464	460	455	454
10°	460	477	496	495	479	456	436	417	404	396	392
12.5°	463	484	500	482	454	419	384	355	326	316	311
15°	472	495	500	465	422	372	319	273	239	222	219
17.5°	483	504	493	444	385	313	250	191	165	158	157
20°	496	515	482	418	337	252	170	140	137	138	139
22.5°	507	520	464	383	280	169	119	113	119	127	129
25°	515	517	444	339	215	108	94	93	102	116	120
27.5°	520	507	417	292	132	84	77	80	87	97	99
30°	523	497	391	243	84	71	70	72	75	80	81
32.5°	524	487	363	181	71	65	65	67	68	71	71
35°	522	475	335	114	65	63	62	62	62	63	63
37.5°	517	463	302	76	62	60	59	59	58	58	58
40°	514	453	271	66	59	58	57	55	54	54	54
42.5°	517	448	233	63	57	56	54	52	52	52	52
45°	530	449	185	61	56	54	51	49	49	50	50
47.5°	555	458	143	59	54	52	48	47	47	47	47
50°	593	476	113	57	53	50	47	45	45	45	44
52.5°	647	509	89	56	52	49	45	43	42	42	41
55°	722	561	82	56	50	47	43	40	39	38	38
57.5°	822	635	81	55	47	44	40	37	36	36	35
60°	944	734	82	53	45	41	37	35	33	33	33
62.5°	1081	842	82	52	44	39	35	32	31	30	30
65°	1220	974	88	51	42	35	32	30	28	28	28
67.5°	1373	1135	120	51	40	32	29	27	26	26	26
70°	1571	1401	182	64	41	30	26	25	24	24	24
72.5°	1978	1708	145	89	48	27	23	22	22	21	21
75°	1980	1515	138	95	52	25	21	20	19	19	19
77.5°	1464	989	118	74	45	22	19	18	17	17	17
80°	432	255	74	54	29	18	16	15	14	14	14
82.5°	74	67	34	29	18	14	13	12	11	11	11
85°	36	35	19	16	12	10	10	9	8	8	8
87.5°	22	20	14	9	7	5	6	5	5	4	4
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)