

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: P459606

Luminaire Tested: **GAN-SA2A-AMB-U-SL4-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-AMB-U-SL4-HSS
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1790 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

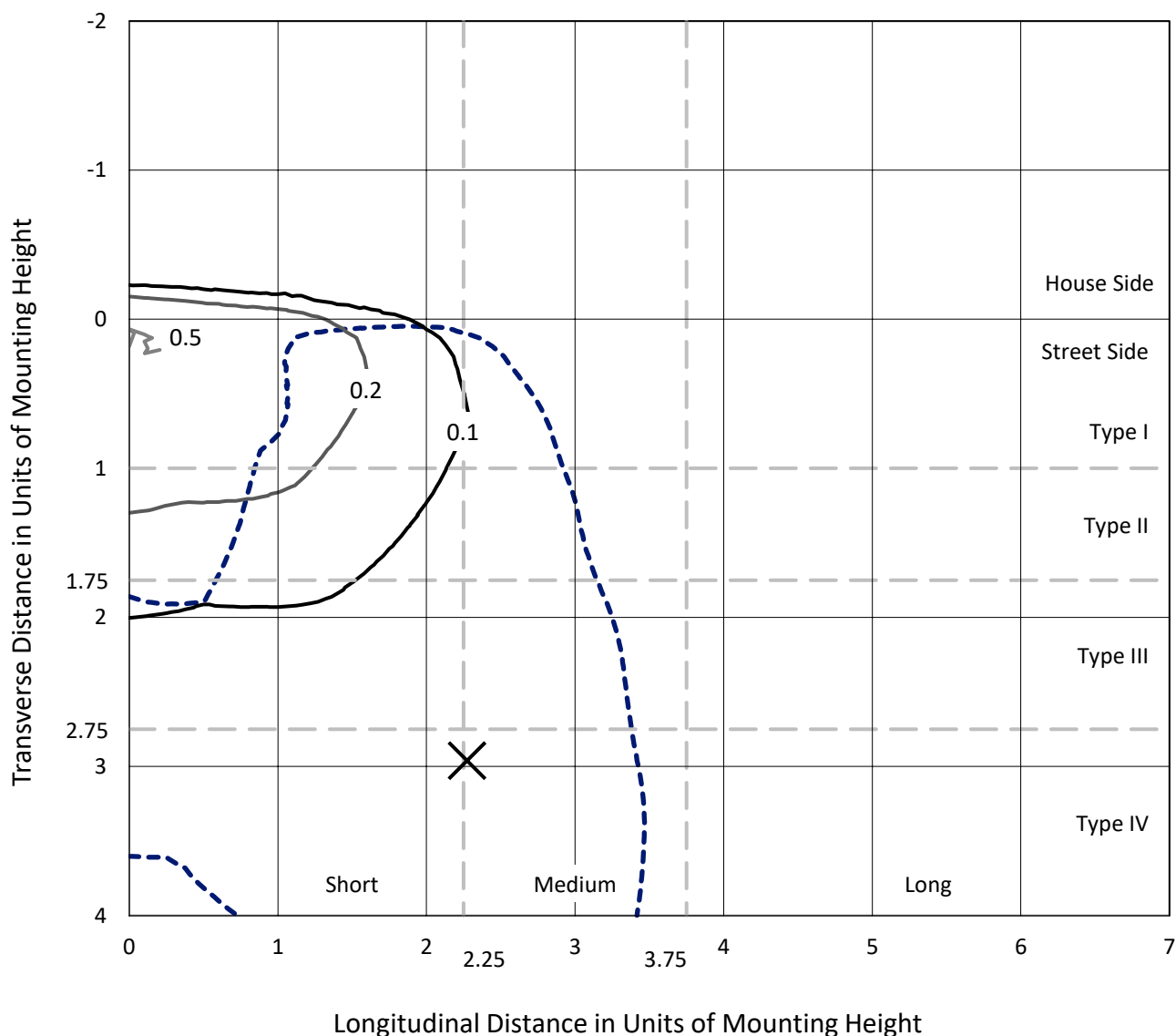
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459606
 CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

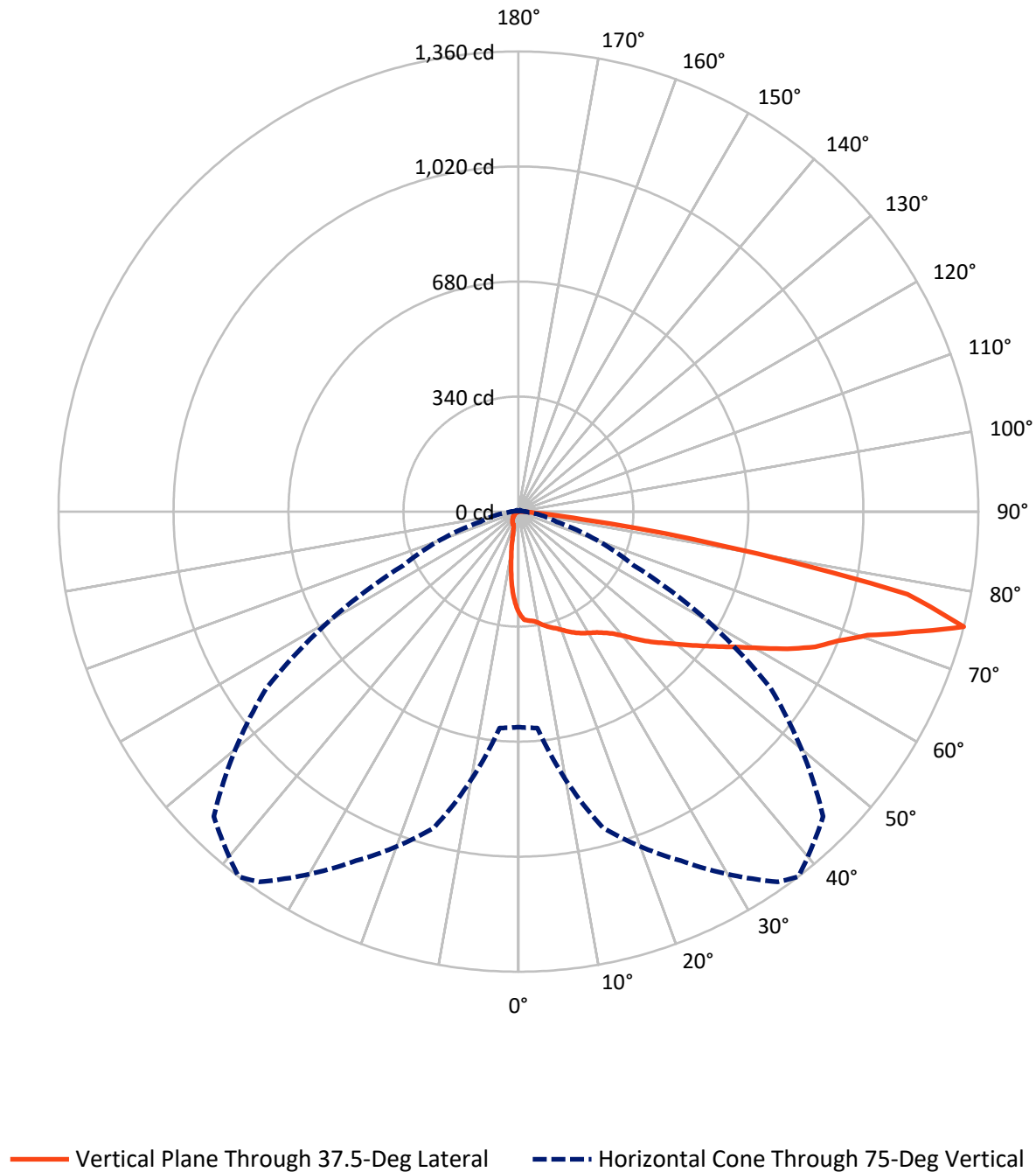
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P459606
CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P459606

CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

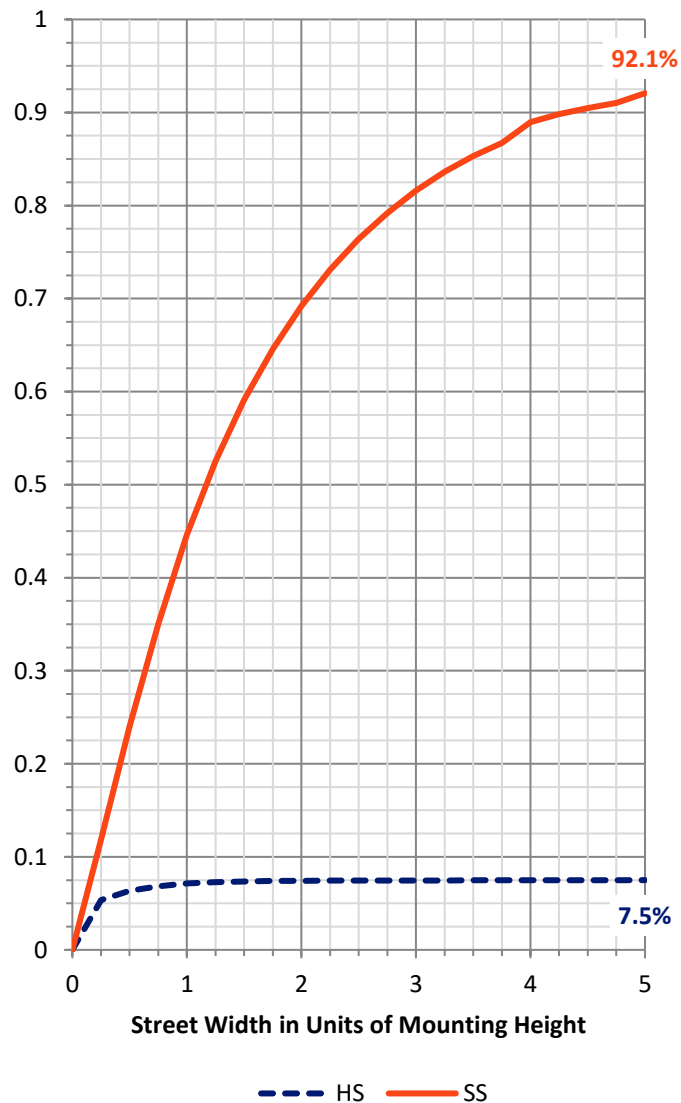
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	135.3	0.0	135.3
	% Fixture	7.6	0.0	7.6
Street Side	Lumens	1654.7	0.0	1654.7
	% Fixture	92.4	0.0	92.4
Total	Lumens	1790.0	0.0	1790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.4
10°-20°	64.6	3.6
20°-30°	105.8	5.9
30°-40°	157.2	8.8
40°-50°	235.3	13.1
50°-60°	338.2	18.9
60°-70°	453.2	25.3
70°-80°	367.1	20.5
80°-90°	42.9	2.4
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°	1790.0	100.0
0°-180°	1790.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459606

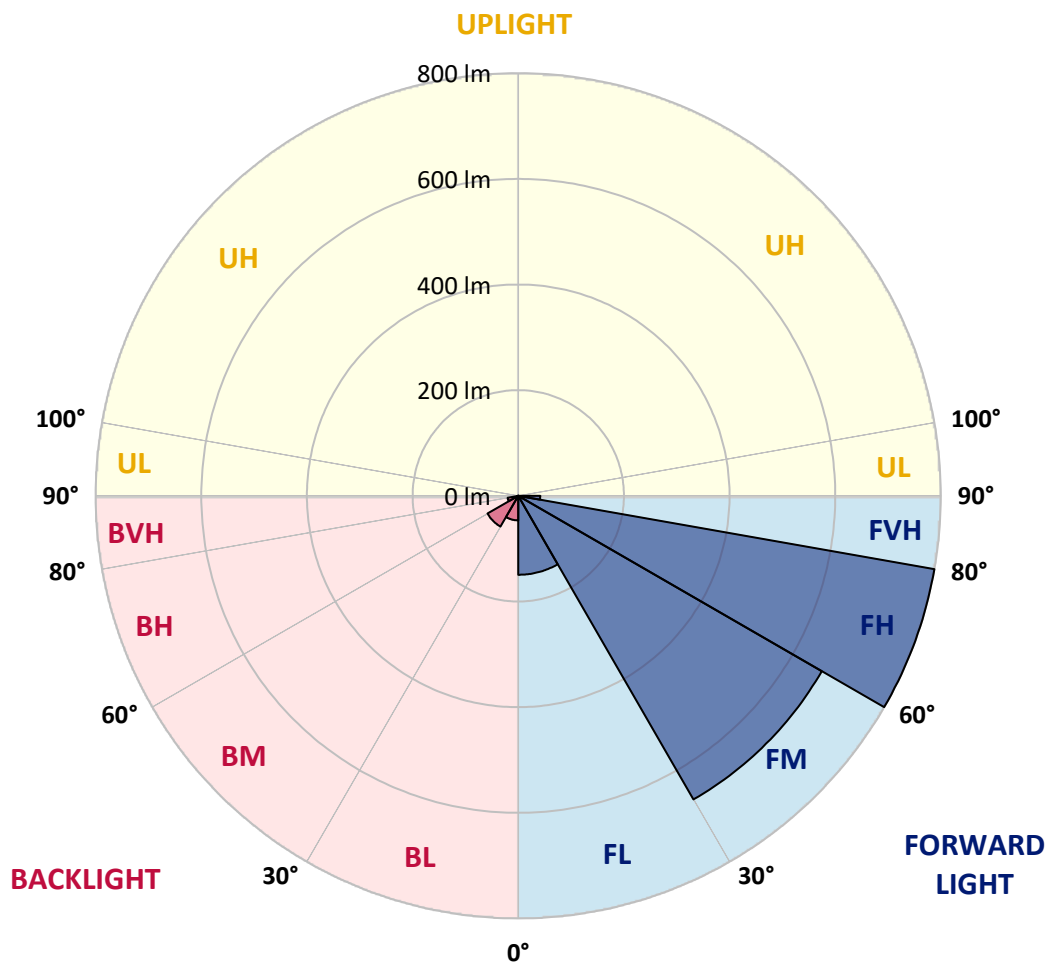
CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.5	8.4			
FM	(30°-60°)	663.6	37.1			
FH	(60°-80°)	799.9	44.7			G1/1800
FVH	(80°-90°)	41.7	2.3			G1/100
BL	(0°-30°)	46.5	2.6	B0/110		
BM	(30°-60°)	67.2	3.8	B0/220		
BH	(60°-80°)	20.4	1.1	B0/110		G0/110
BVH	(80°-90°)	1.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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



REPORT NUMBER: P459606

CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	45°	55°	65°	75°	85°
0°	301	301	301	301	301	301	301	301	301	301	301
2.5°	324	323	323	321	320	320	316	315	311	307	302
5°	325	325	324	325	324	324	322	321	317	309	300
7.5°	331	330	329	329	327	327	322	320	316	311	298
10°	331	331	333	335	335	335	330	324	318	313	298
12.5°	330	330	333	340	345	346	343	335	325	316	302
15°	329	330	334	344	353	355	354	348	335	322	307
17.5°	331	333	338	352	362	363	364	360	346	330	315
20°	334	335	346	363	373	374	373	367	355	340	324
22.5°	339	341	355	374	385	386	383	373	360	348	334
25°	349	351	368	387	395	397	394	382	365	357	345
27.5°	361	364	382	400	405	407	404	390	372	369	359
30°	379	381	398	413	415	416	414	398	382	382	373
32.5°	401	404	415	426	425	426	425	408	394	402	390
35°	427	424	437	442	438	440	441	424	412	428	413
37.5°	447	447	454	459	456	458	461	445	437	465	448
40°	464	464	469	479	480	484	490	471	471	508	489
42.5°	477	479	483	496	509	516	522	503	512	563	543
45°	490	492	494	513	539	549	561	543	559	621	599
47.5°	506	506	505	535	567	580	601	586	615	692	658
50°	526	524	515	558	601	617	649	634	678	766	702
52.5°	549	544	530	582	638	658	699	689	744	825	727
55°	578	570	551	611	683	703	751	757	807	859	753
57.5°	615	600	579	647	735	754	810	823	849	892	786
60°	652	636	617	696	792	818	873	878	883	938	822
62.5°	685	676	665	751	870	893	927	920	926	992	851
65°	727	718	716	814	944	964	968	971	993	1045	866
67.5°	763	760	778	889	1011	1019	1034	1051	1063	1069	766
70°	814	809	849	964	1078	1095	1148	1165	1082	876	469
72.5°	819	828	937	1042	1178	1215	1281	1190	841	470	146
75°	637	642	968	1139	1336	1360	1274	910	376	116	33
77.5°	355	374	647	1057	1214	1176	871	402	97	26	17
80°	260	269	312	605	687	604	363	153	53	18	12
82.5°	77	83	161	195	243	193	109	117	34	13	10
85°	21	22	55	77	70	45	40	101	14	9	8
87.5°	10	10	17	34	29	24	33	59	3	3	2
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P459606

CATALOG NUMBER: GAN-SA2A-AMB-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	301	301	301	301	301	301	301	301	301	301	301
2.5°	299	297	289	285	281	274	270	267	266	264	265
5°	294	287	274	263	250	236	228	219	210	208	207
7.5°	290	280	260	239	217	193	171	157	143	141	140
10°	288	274	245	214	178	145	121	105	95	90	88
12.5°	288	271	233	189	143	107	83	67	60	57	56
15°	290	269	219	160	112	76	58	50	47	46	47
17.5°	295	269	206	135	85	56	46	45	44	44	44
20°	302	271	192	113	63	46	43	43	43	43	43
22.5°	310	272	176	92	51	42	41	41	41	41	41
25°	318	274	159	72	42	40	39	40	40	40	40
27.5°	328	276	142	57	39	38	38	38	38	38	38
30°	337	276	126	47	37	36	36	36	36	36	36
32.5°	348	275	109	39	35	34	33	34	34	34	33
35°	364	275	90	36	33	32	31	31	31	31	31
37.5°	385	279	71	33	30	29	29	29	28	28	28
40°	416	286	57	31	28	27	26	26	25	24	24
42.5°	453	294	47	29	26	25	24	23	22	21	21
45°	490	300	37	27	24	23	22	21	19	18	17
47.5°	529	300	30	25	23	21	20	18	16	14	14
50°	552	289	27	23	21	19	18	15	13	11	11
52.5°	565	274	25	21	20	18	15	13	10	8	8
55°	576	267	23	20	18	16	13	10	7	6	6
57.5°	590	256	21	18	16	14	11	8	5	4	4
60°	602	241	19	17	15	12	9	6	3	2	2
62.5°	608	218	17	15	13	10	7	4	2	1	1
65°	591	183	16	13	11	8	5	2	1	0	0
67.5°	483	118	13	11	9	6	4	2	1	0	0
70°	248	50	11	9	8	5	3	1	0	0	0
72.5°	65	18	9	8	7	5	2	1	0	0	0
75°	20	12	7	6	6	4	2	1	0	0	0
77.5°	14	9	6	5	5	4	2	1	0	0	0
80°	11	8	5	4	5	5	2	1	0	0	0
82.5°	9	7	4	4	5	5	3	1	0	0	0
85°	7	5	4	4	5	4	2	1	0	0	0
87.5°	2	2	1	1	1	2	2	1	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)