

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: LUMARK

Report Number: P290531

Luminaire Tested: **AXCS5A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS5A
Description: 5A AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6300 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

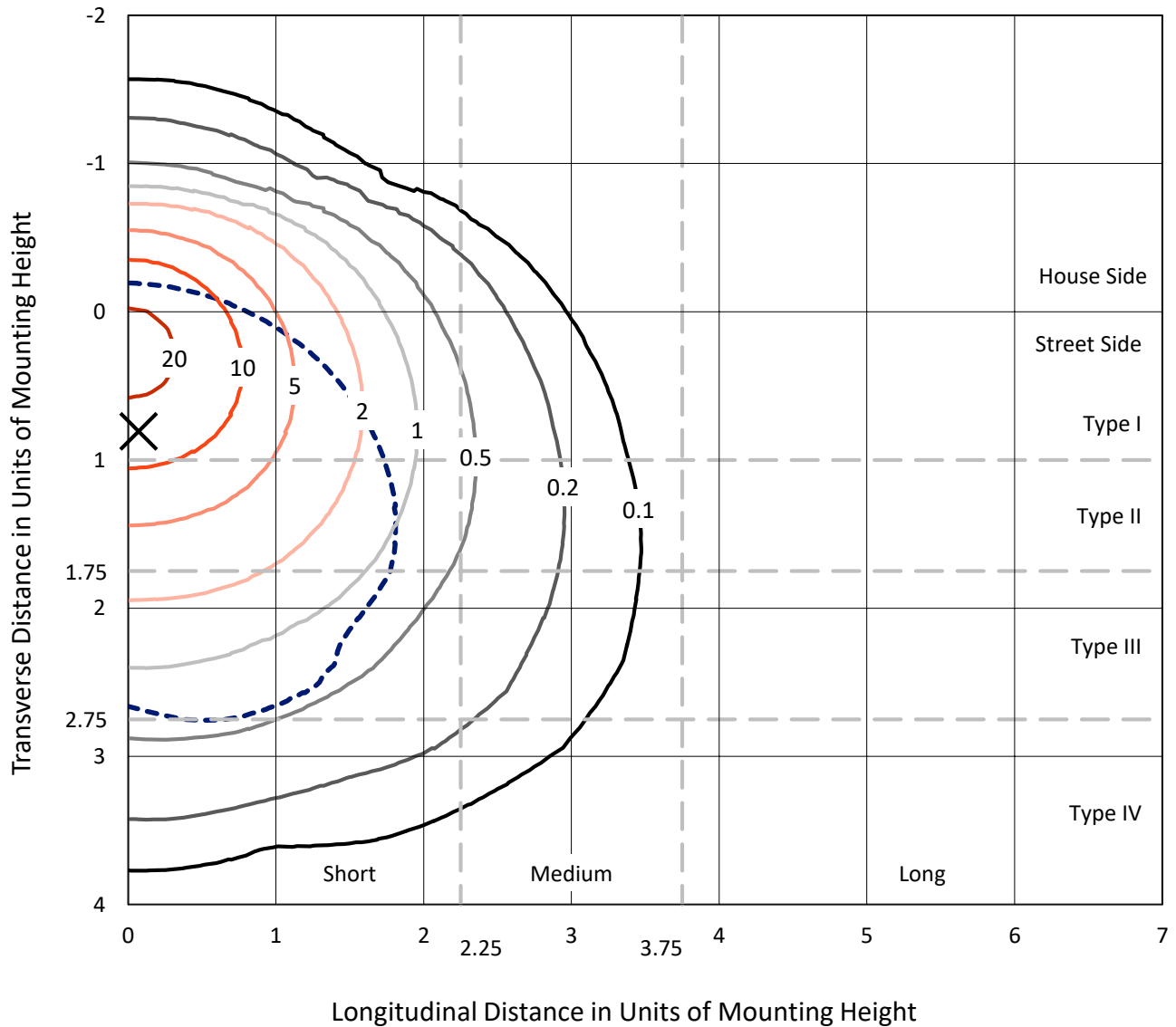
Input Watts (W): 51.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

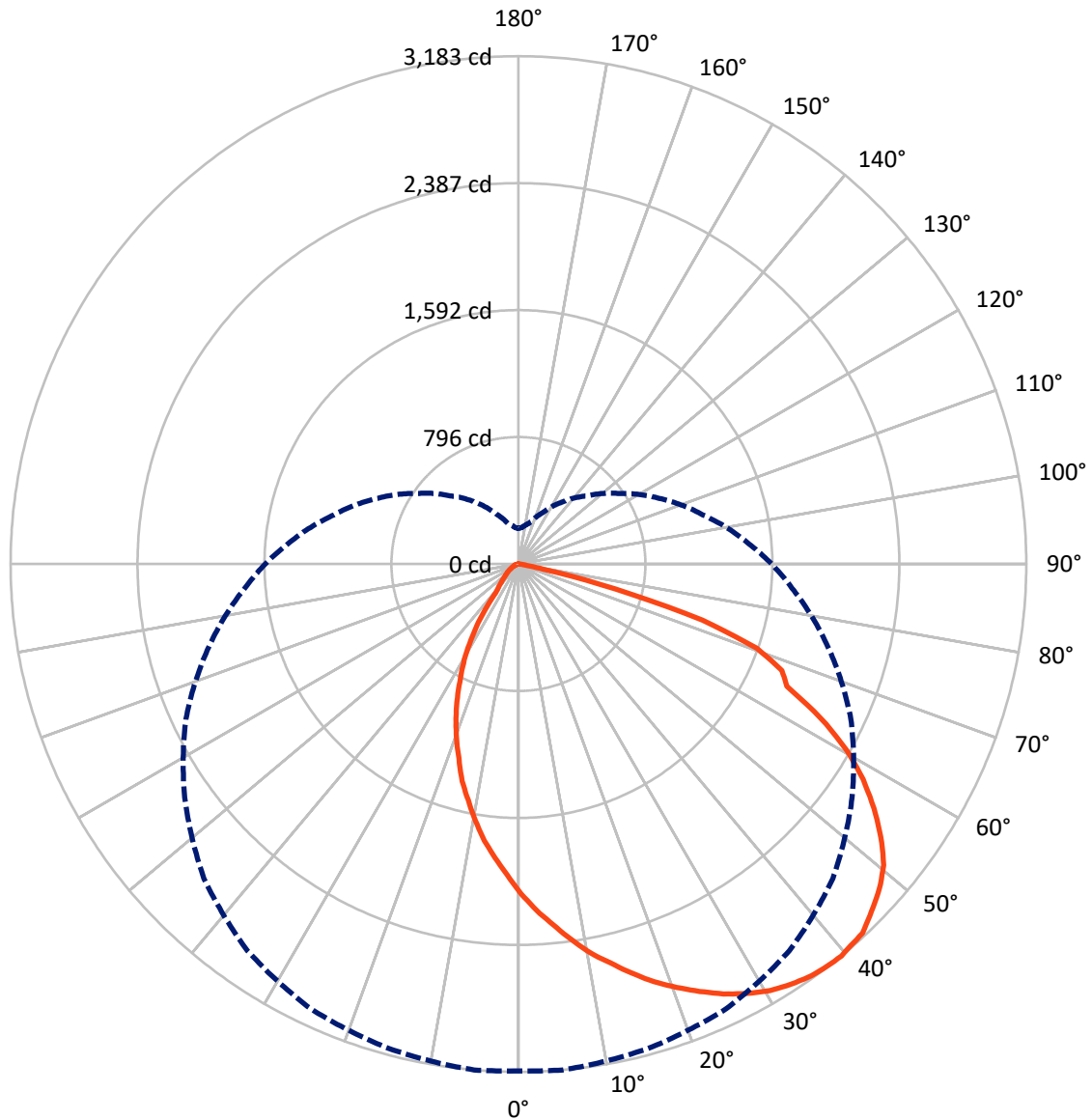
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 39-Deg Vertical

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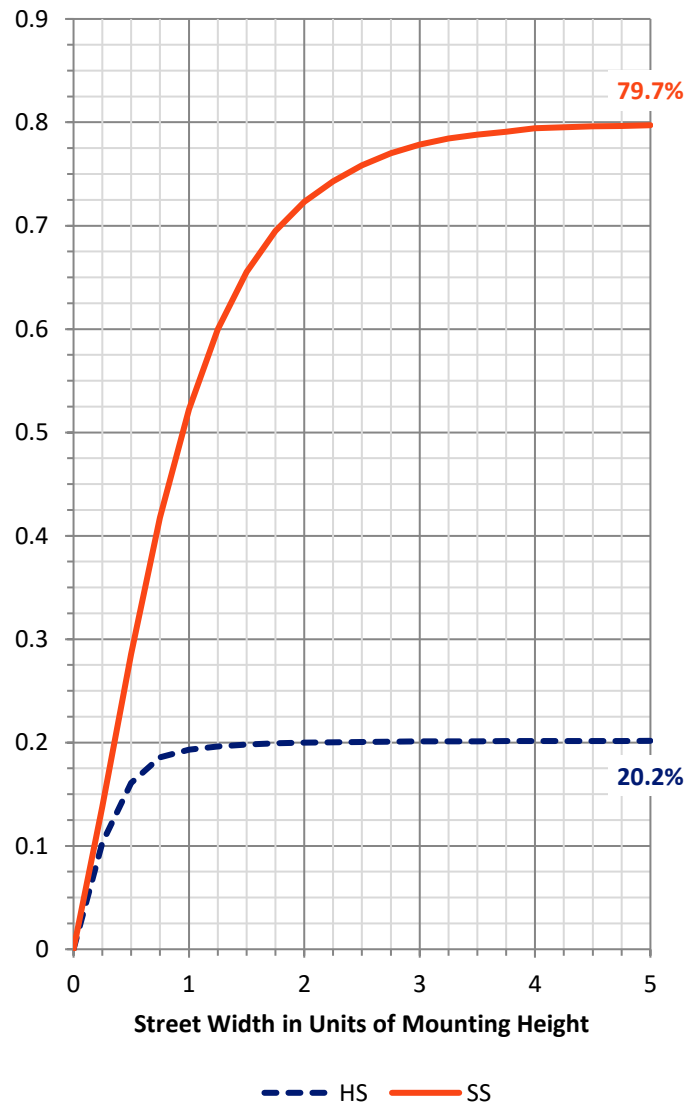
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1282.1	0.0	1282.1
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	5018.0	0.0	5018.0
	% Fixture	79.6	0.0	79.6
Total	Lumens	6300.0	0.0	6300.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	3.1
10°-20°	569.0	9.0
20°-30°	884.5	14.0
30°-40°	1099.5	17.5
40°-50°	1182.3	18.8
50°-60°	1114.8	17.7
60°-70°	850.7	13.5
70°-80°	382.0	6.1
80°-90°	21.2	0.3
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°	6300.0	100.0
0°-180°	6300.0	100.0



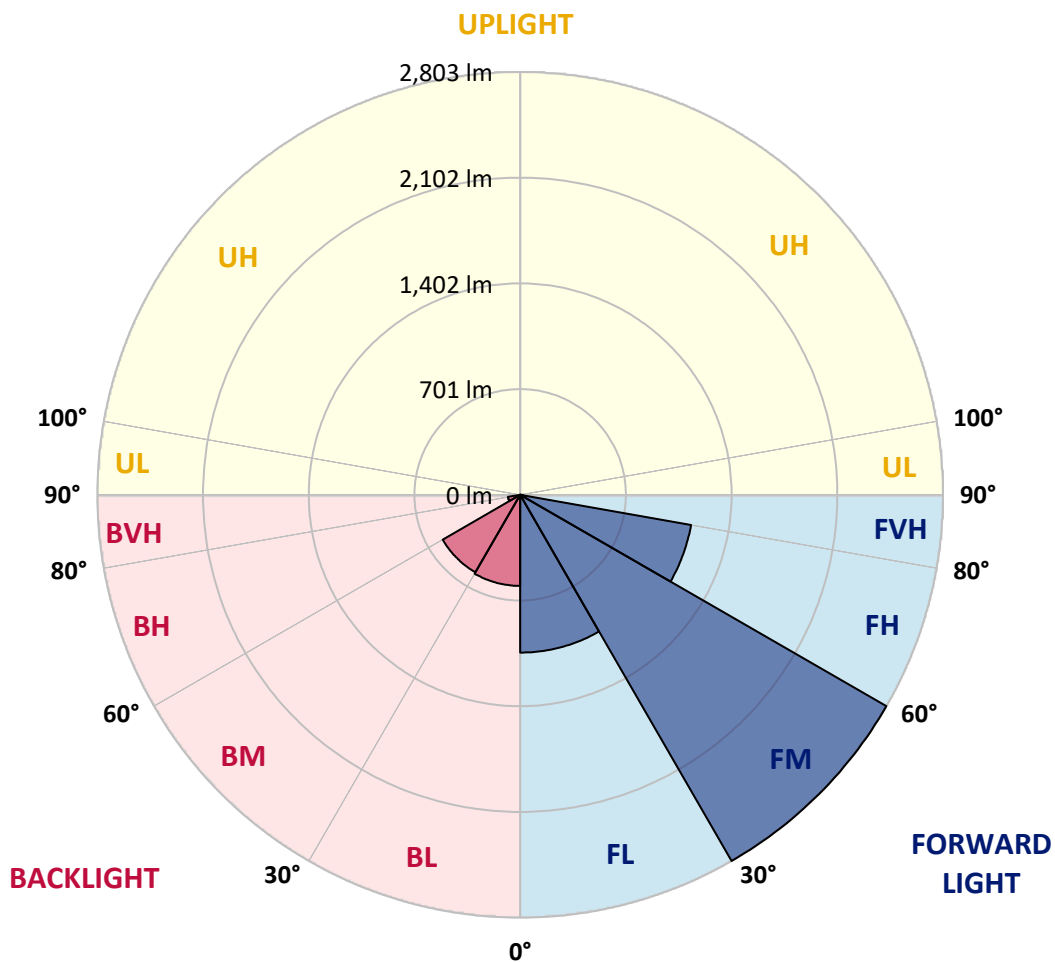
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1046.0	16.6			
FM	(30°-60°)	2803.2	44.5			
FH	(60°-80°)	1150.3	18.3			G1/1800
FVH	(80°-90°)	18.5	0.3			G1/100
BL	(0°-30°)	603.6	9.6	B2/1000		
BM	(30°-60°)	593.4	9.4	B1/1000		
BH	(60°-80°)	82.4	1.3	B0/110		G0/110
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2067	2067	2067	2067	2067	2067	2067	2067	2067	2067	2067
2.5°	2180	2174	2176	2165	2153	2135	2123	2111	2088	2077	2069
5°	2291	2271	2271	2254	2228	2208	2179	2147	2112	2083	2063
7.5°	2382	2376	2366	2348	2308	2276	2235	2185	2128	2087	2055
10°	2479	2480	2459	2429	2392	2341	2282	2214	2142	2079	2042
12.5°	2577	2566	2551	2508	2461	2398	2326	2241	2151	2070	2022
15°	2669	2661	2634	2592	2536	2458	2363	2266	2157	2053	1999
17.5°	2767	2753	2727	2674	2606	2518	2408	2286	2159	2029	1975
20°	2841	2833	2807	2749	2668	2568	2444	2306	2158	2020	1946
22.5°	2919	2910	2881	2819	2728	2619	2473	2322	2153	1993	1911
25°	2988	2985	2954	2890	2784	2660	2498	2334	2145	1966	1876
27.5°	3052	3049	3011	2943	2842	2699	2533	2340	2136	1935	1837
30°	3107	3104	3067	2996	2888	2733	2551	2334	2119	1900	1791
32.5°	3143	3140	3106	3032	2920	2756	2560	2334	2098	1857	1742
35°	3170	3168	3131	3061	2946	2776	2567	2325	2069	1811	1686
37.5°	3180	3180	3142	3074	2954	2787	2559	2312	2030	1758	1625
39°	3177	3183	3143	3077	2960	2787	2553	2299	2009	1720	1587
40°	3177	3174	3142	3077	2957	2781	2545	2285	1987	1700	1555
42.5°	3154	3163	3130	3071	2951	2767	2524	2255	1937	1637	1488
45°	3108	3104	3086	3039	2929	2745	2493	2212	1878	1563	1409
47.5°	3046	3044	3022	2989	2883	2704	2445	2145	1814	1476	1319
50°	2960	2967	2954	2921	2823	2646	2383	2077	1727	1387	1232
52.5°	2844	2845	2846	2839	2739	2568	2307	1993	1637	1295	1125
55°	2712	2704	2722	2724	2643	2462	2208	1889	1532	1181	1017
57.5°	2545	2547	2567	2599	2512	2345	2084	1765	1414	1071	907
60°	2349	2361	2405	2433	2354	2190	1944	1643	1288	946	796
62.5°	2122	2126	2205	2238	2173	2028	1795	1500	1156	826	689
65°	1833	1848	1914	1993	1986	1838	1631	1350	1012	699	570
67.5°	1762	1781	1762	1724	1745	1659	1454	1173	858	579	464
70°	1535	1585	1711	1711	1495	1405	1268	1001	703	453	349
72.5°	1170	1206	1209	1186	1423	1187	1084	819	553	348	269
75°	620	627	575	762	943	1029	835	649	413	244	183
77.5°	135	158	229	449	456	608	663	455	288	152	112
80°	51	53	57	60	72	231	271	306	155	82	55
82.5°	31	31	33	34	36	38	48	88	59	27	19
85°	16	16	17	18	19	18	19	16	11	8	6
87.5°	6	6	6	7	7	7	6	5	4	4	3
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2067	2067	2067	2067	2067	2067	2067	2067	2067	2067
2.5°	2064	2036	2014	2000	1983	1970	1965	1958	1952	1952
5°	2048	2006	1961	1934	1912	1885	1866	1858	1849	1851
7.5°	2024	1966	1911	1870	1828	1796	1767	1753	1747	1746
10°	2000	1926	1854	1796	1743	1701	1668	1641	1631	1630
12.5°	1974	1884	1794	1726	1663	1605	1561	1530	1513	1522
15°	1946	1838	1733	1648	1569	1502	1452	1419	1406	1410
17.5°	1913	1784	1666	1567	1478	1404	1346	1300	1276	1282
20°	1875	1726	1596	1484	1379	1294	1230	1186	1160	1157
22.5°	1827	1671	1523	1400	1285	1189	1120	1070	1043	1037
25°	1781	1610	1451	1311	1186	1079	1003	947	922	919
27.5°	1735	1548	1372	1219	1083	970	884	833	798	797
30°	1681	1476	1290	1121	977	866	770	713	687	672
32.5°	1627	1406	1204	1035	882	749	656	593	563	550
35°	1560	1331	1116	930	771	643	542	476	440	432
37.5°	1497	1248	1027	834	668	540	432	344	302	292
39°	1450	1195	974	771	604	473	353	265	229	224
40°	1418	1163	930	735	567	429	299	225	205	203
42.5°	1341	1073	836	637	472	299	203	182	172	173
45°	1257	981	744	539	356	201	169	154	144	145
47.5°	1171	886	643	442	240	165	145	128	121	120
50°	1073	790	551	345	168	138	120	108	103	102
52.5°	966	694	463	237	140	116	100	92	89	89
55°	873	598	368	156	118	97	85	80	76	76
57.5°	770	500	285	123	99	82	74	68	64	63
60°	659	408	190	101	81	69	62	57	53	53
62.5°	554	324	117	83	68	59	53	47	45	44
65°	456	242	89	67	56	49	44	40	38	38
67.5°	358	173	69	55	46	41	36	33	32	31
70°	269	100	53	43	37	33	29	27	26	26
72.5°	190	56	40	33	30	26	24	22	21	20
75°	125	37	30	25	23	20	18	17	16	15
77.5°	71	25	20	18	17	15	13	12	12	11
80°	33	15	13	12	11	10	9	8	8	7
82.5°	13	9	8	7	7	6	6	5	5	5
85°	5	5	4	4	3	3	3	3	2	2
87.5°	3	3	3	2	2	2	1	1	0	0
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)