

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: P316079

Luminaire Tested: **GAN-SA5B-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25159 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 210
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: 24 FT

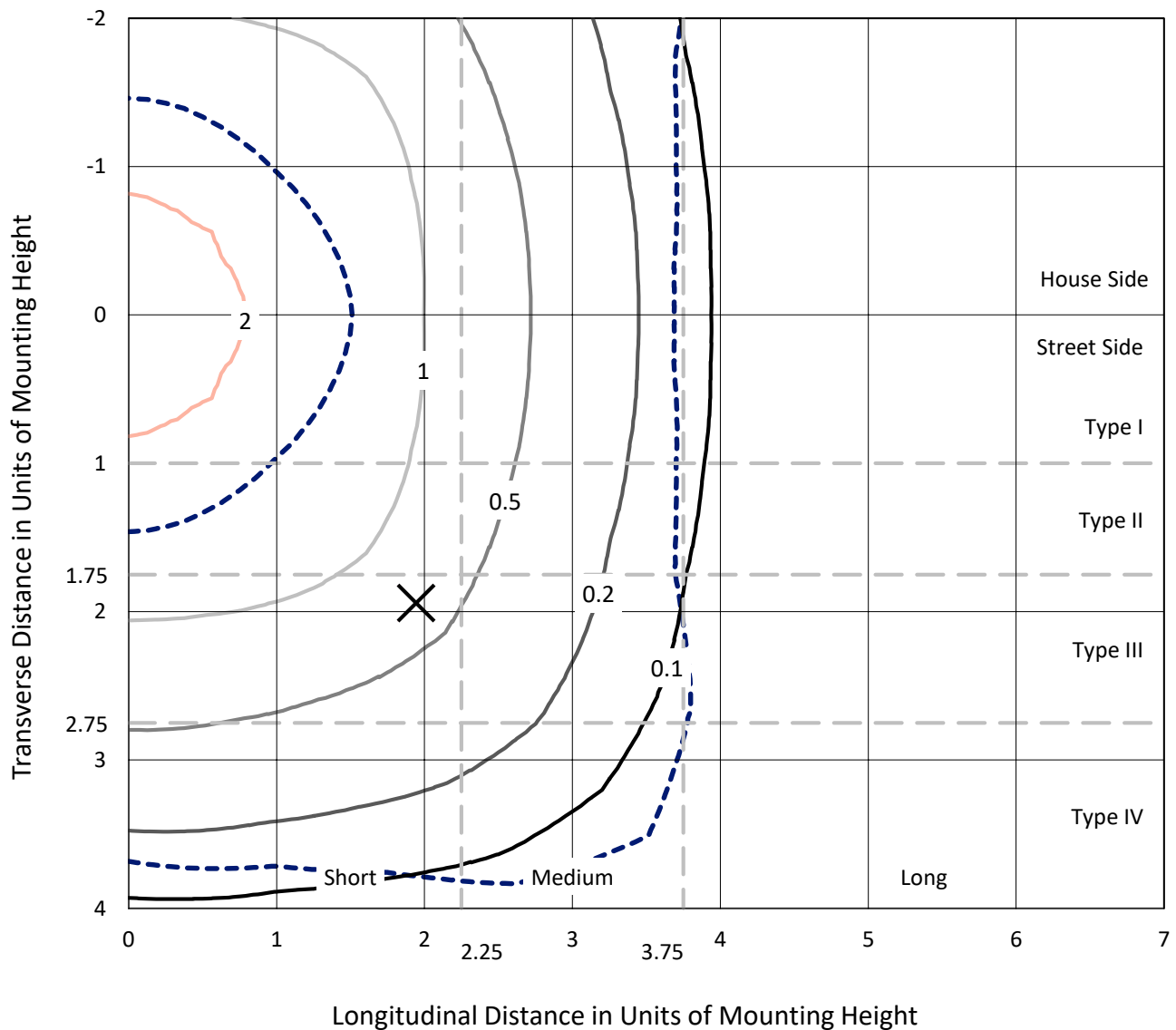


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Iso-Footcandle Lines of Horizontal Illumination

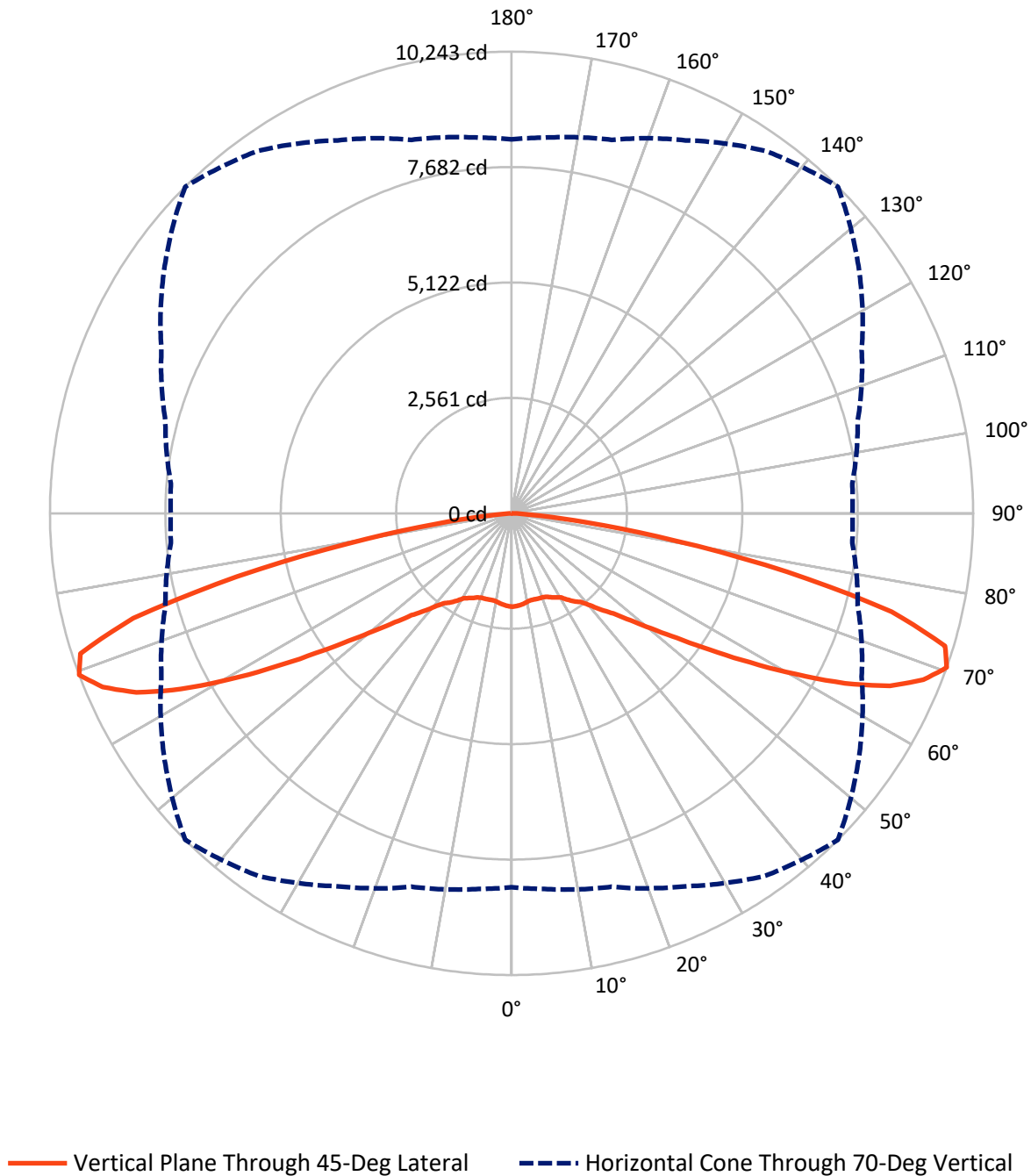
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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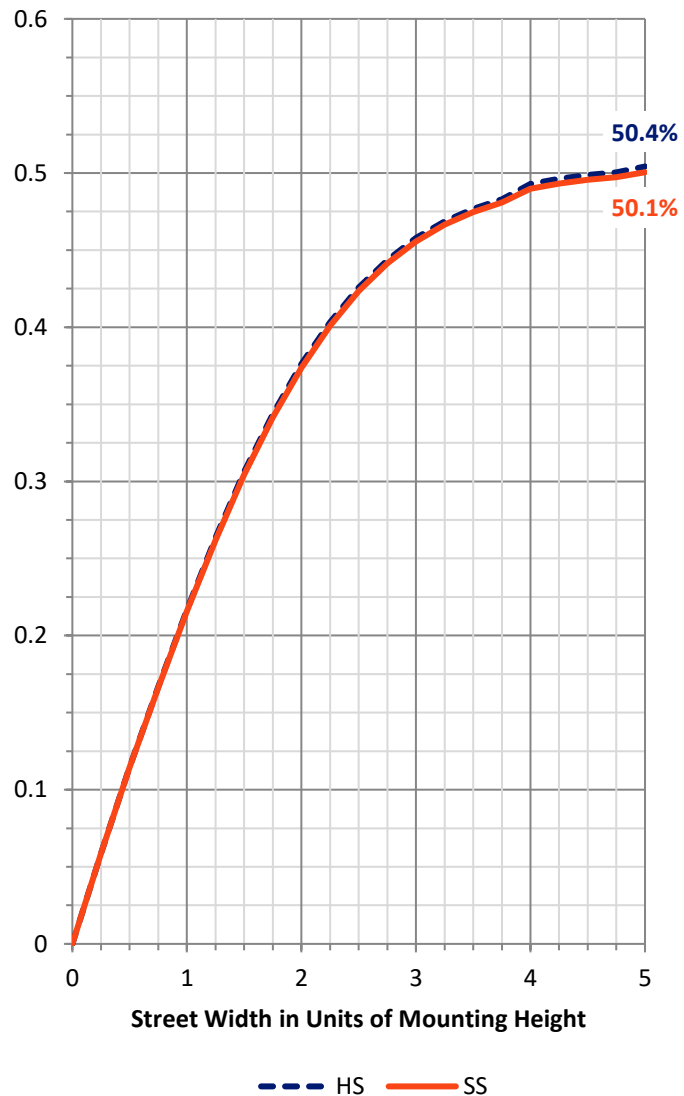
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12579.5	0.0	12579.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12579.5	0.0	12579.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25159.0	0.0	25159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	0.8
10°-20°	564.5	2.2
20°-30°	962.5	3.8
30°-40°	1503.9	6.0
40°-50°	2548.7	10.1
50°-60°	4647.8	18.5
60°-70°	8001.5	31.8
70°-80°	6271.9	24.9
80°-90°	465.1	1.8
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°	25159.0	100.0
0°-180°	25159.0	100.0

Coefficient of Utilization



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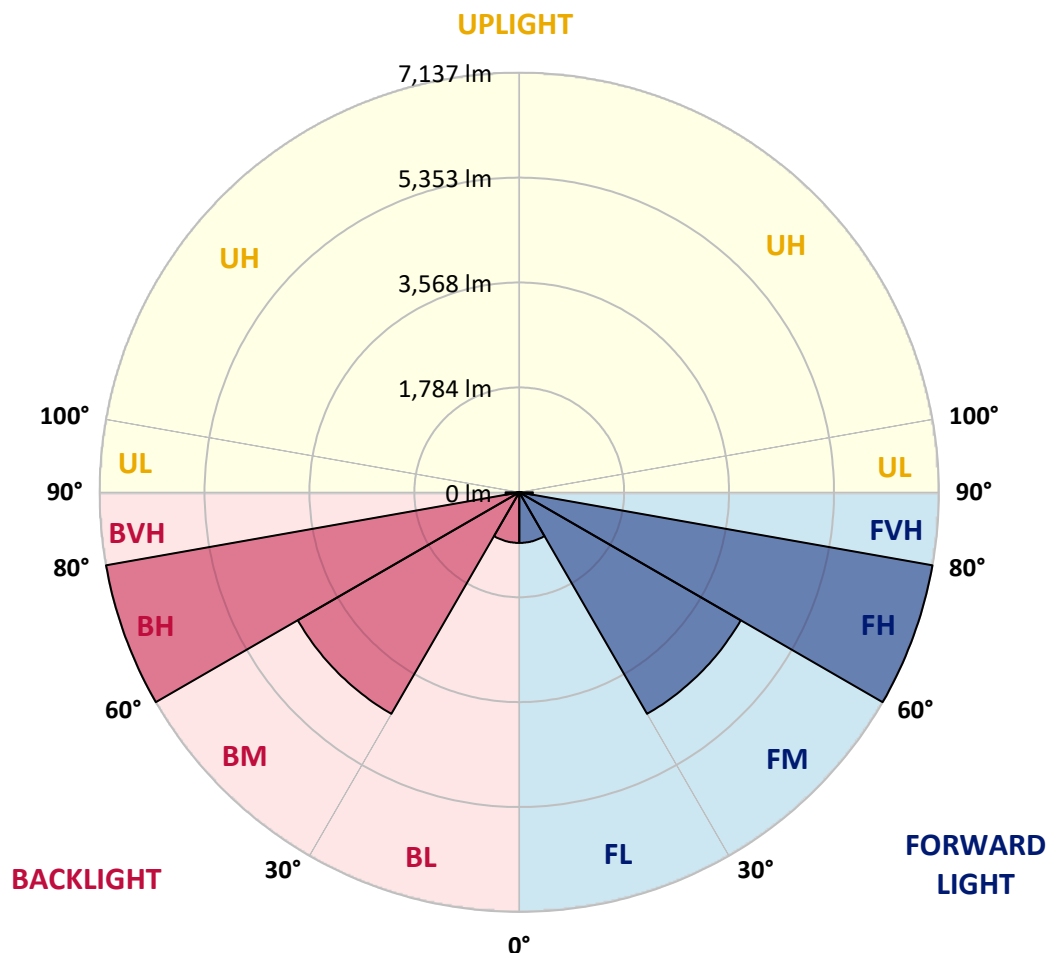
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	860.1	3.4			
FM	(30°-60°)	4350.2	17.3			
FH	(60°-80°)	7136.7	28.4			G3/7500
FVH	(80°-90°)	232.5	0.9			G3/500
BL	(0°-30°)	860.1	3.4	B2/1000		
BM	(30°-60°)	4350.2	17.3	B3/5000		
BH	(60°-80°)	7136.7	28.4	B5		G3/7500
BVH	(80°-90°)	232.5	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6	2070.6
2.5°	2061.4	2063.9	2061.4	2063.1	2058.9	2060.6	2060.6	2060.6	2059.8	2060.6	2058.9
5°	2043.1	2044.8	2041.5	2043.1	2040.6	2043.1	2044.0	2043.1	2041.5	2042.3	2039.0
7.5°	2015.7	2017.3	2014.8	2017.3	2014.0	2018.2	2017.3	2014.8	2012.3	2012.3	2009.0
10°	2000.7	2001.5	1994.9	1992.4	1984.9	1986.5	1989.0	1991.5	1994.0	1999.0	1998.2
12.5°	2001.5	2001.5	1991.5	1980.7	1969.9	1972.4	1976.5	1985.7	1995.7	2004.8	2005.7
15°	2009.8	2009.0	1994.0	1976.5	1969.1	1976.5	1979.0	1984.9	2000.7	2016.5	2017.3
17.5°	2015.7	2015.7	1992.4	1972.4	1971.6	1983.2	1982.4	1984.9	2002.3	2025.6	2026.5
20°	2026.5	2026.5	1996.5	1974.9	1974.9	1987.4	1988.2	1992.4	2009.8	2035.6	2039.8
22.5°	2050.6	2051.4	2019.8	2002.3	2004.0	2011.5	2014.0	2020.7	2036.5	2064.8	2069.8
25°	2084.7	2086.4	2053.9	2044.0	2049.8	2063.9	2062.3	2067.3	2084.7	2112.2	2117.2
27.5°	2132.2	2128.0	2098.1	2093.9	2099.7	2109.7	2108.9	2109.7	2123.9	2148.8	2154.6
30°	2193.8	2192.1	2170.5	2173.0	2170.5	2167.1	2168.0	2174.6	2182.1	2202.1	2207.9
32.5°	2253.7	2255.3	2242.0	2254.5	2272.8	2285.3	2266.2	2247.9	2239.5	2250.4	2255.3
35°	2361.9	2366.0	2345.2	2336.9	2361.9	2398.5	2344.4	2314.4	2331.1	2345.2	2349.4
37.5°	2545.8	2548.3	2513.3	2480.0	2461.7	2496.7	2442.6	2445.1	2503.3	2530.0	2529.1
40°	2755.5	2756.3	2733.0	2703.9	2672.3	2680.6	2659.0	2665.6	2703.9	2728.1	2734.7
42.5°	3005.2	3002.7	2966.1	2924.5	2915.3	2923.6	2887.0	2882.0	2926.1	2969.4	2970.2
45°	3328.9	3323.1	3275.7	3229.9	3185.8	3167.5	3158.3	3182.4	3243.2	3283.1	3284.0
47.5°	3677.6	3661.8	3636.8	3600.2	3561.9	3543.6	3528.7	3540.3	3584.4	3600.2	3601.9
50°	4036.3	4039.6	4044.6	4030.5	4016.3	4010.5	3971.4	3948.9	3962.2	3933.1	3929.0
52.5°	4461.6	4468.2	4516.5	4557.3	4581.4	4593.9	4519.8	4442.4	4399.2	4342.6	4325.9
55°	4963.4	4974.2	5045.0	5158.2	5274.7	5336.3	5202.3	5057.5	4923.5	4817.8	4783.7
57.5°	5522.7	5541.8	5639.2	5856.4	6095.3	6240.9	6014.5	5751.5	5492.7	5340.4	5313.8
60°	6178.5	6196.8	6331.6	6642.9	7029.8	7248.7	6905.8	6475.6	6153.5	6007.9	5958.8
62.5°	6959.1	6960.8	7126.4	7490.1	8001.1	8305.7	7841.3	7266.2	6934.1	6758.5	6711.1
65°	7798.8	7803.0	7974.4	8367.2	8895.7	9226.9	8702.6	8103.4	7697.3	7438.5	7401.9
67.5°	8392.2	8409.7	8590.3	9063.0	9557.3	9856.1	9313.5	8636.1	8166.7	7857.9	7827.1
70°	8297.3	8365.6	8577.8	9129.6	9817.0	10243.1	9412.5	8572.8	7953.6	7589.1	7563.3
72.5°	7236.2	7366.9	7649.9	8373.9	9473.3	10060.0	8872.4	7678.2	6977.4	6667.0	6620.4
75°	4927.6	5139.9	5566.8	6611.2	8093.4	8710.1	7469.3	6121.9	5462.8	5033.3	5001.7
77.5°	2197.1	2245.4	2786.3	3988.9	5585.1	6255.0	5427.0	4004.7	3006.0	2397.7	2269.5
80°	612.5	620.0	827.2	1485.5	2795.5	3675.1	3001.0	1560.4	877.2	618.3	582.6
82.5°	194.7	211.4	258.0	385.3	939.6	1676.9	964.6	416.1	296.3	236.4	213.1
85°	94.9	94.0	130.7	156.5	239.7	371.2	255.5	193.1	168.9	112.4	101.5
87.5°	39.9	40.8	60.8	54.9	69.9	59.9	82.4	86.6	90.7	49.9	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)