

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: P316338

Luminaire Tested: **GAN-SA4D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316338
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-SA4D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26198 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

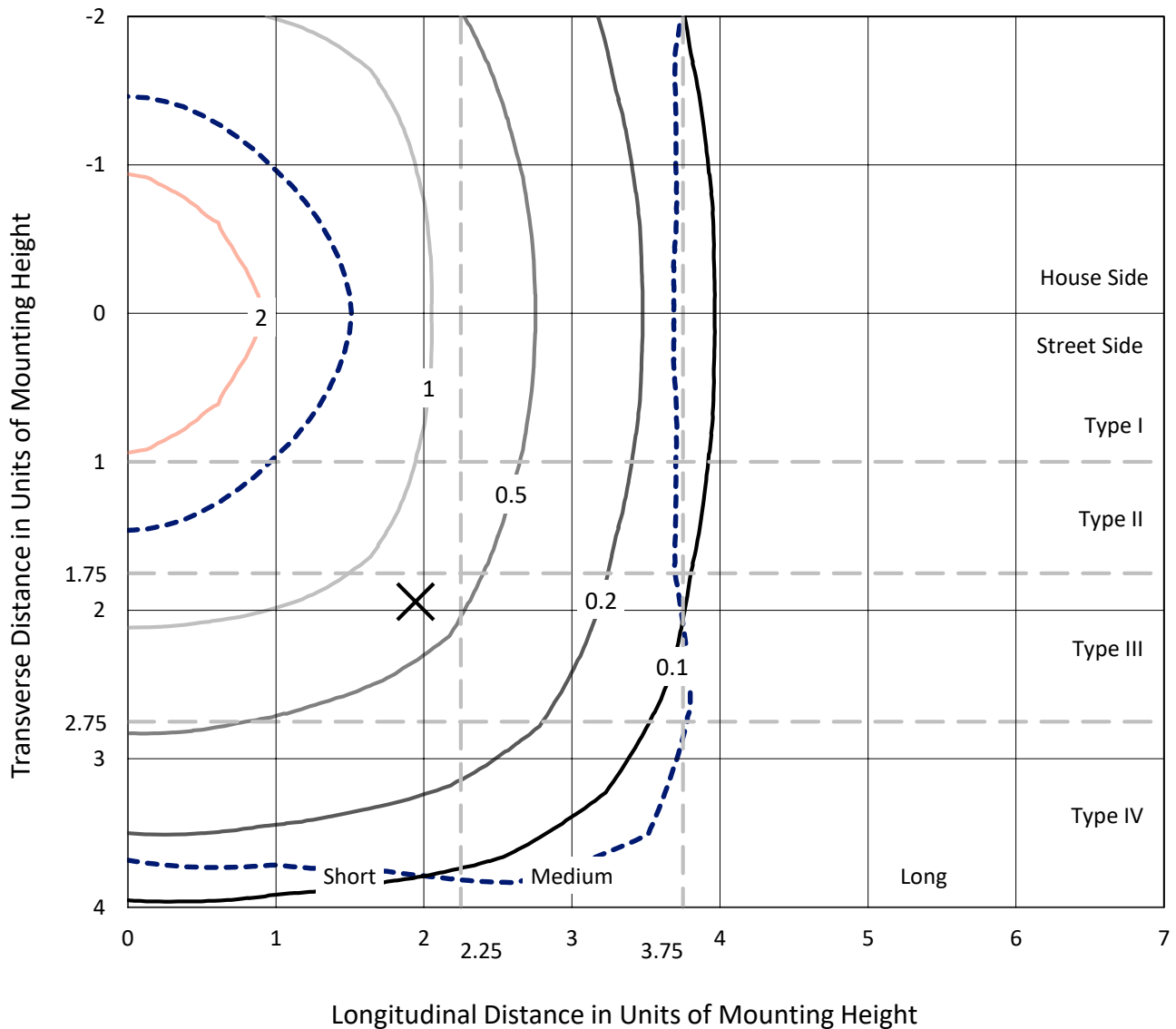
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

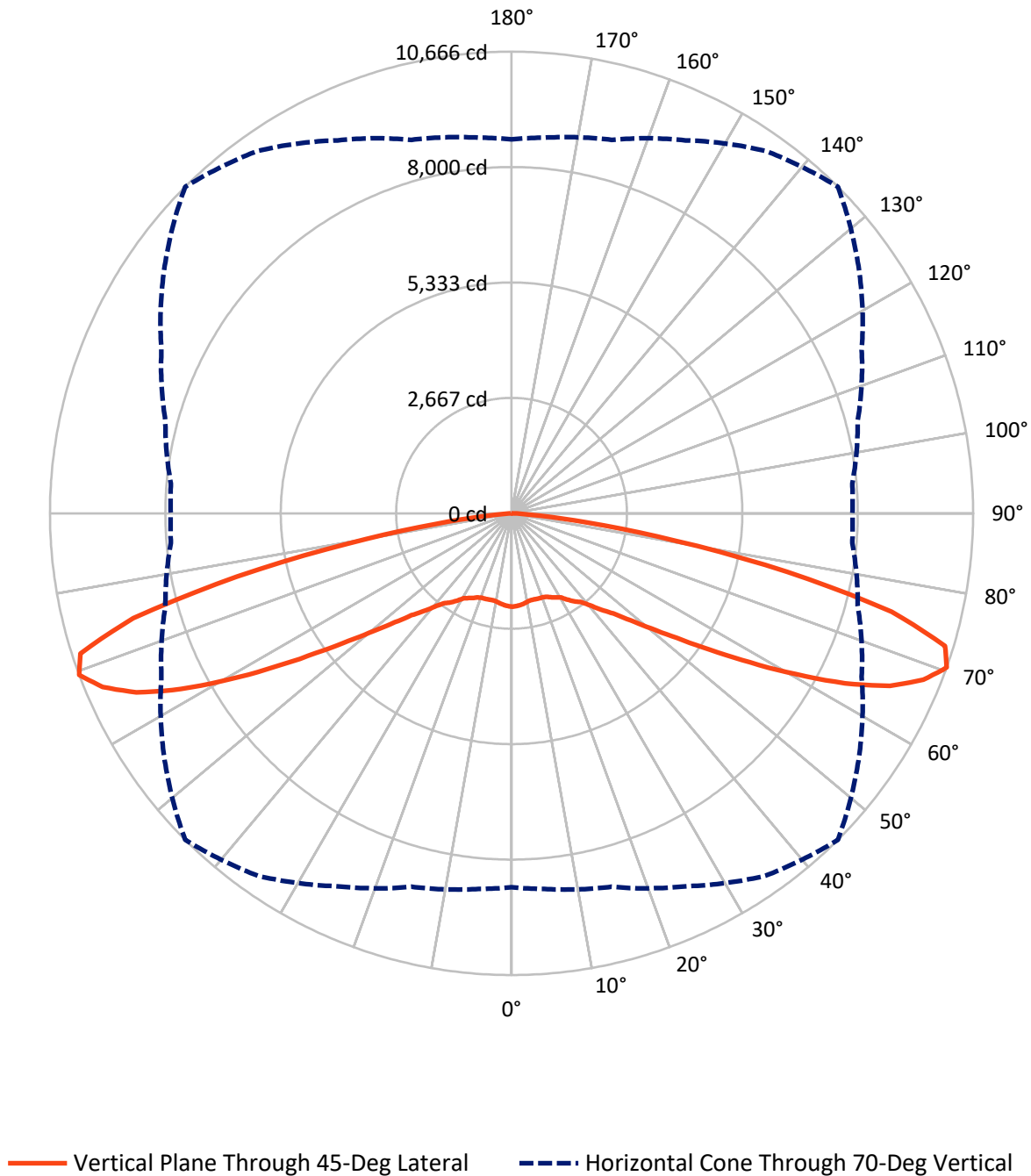
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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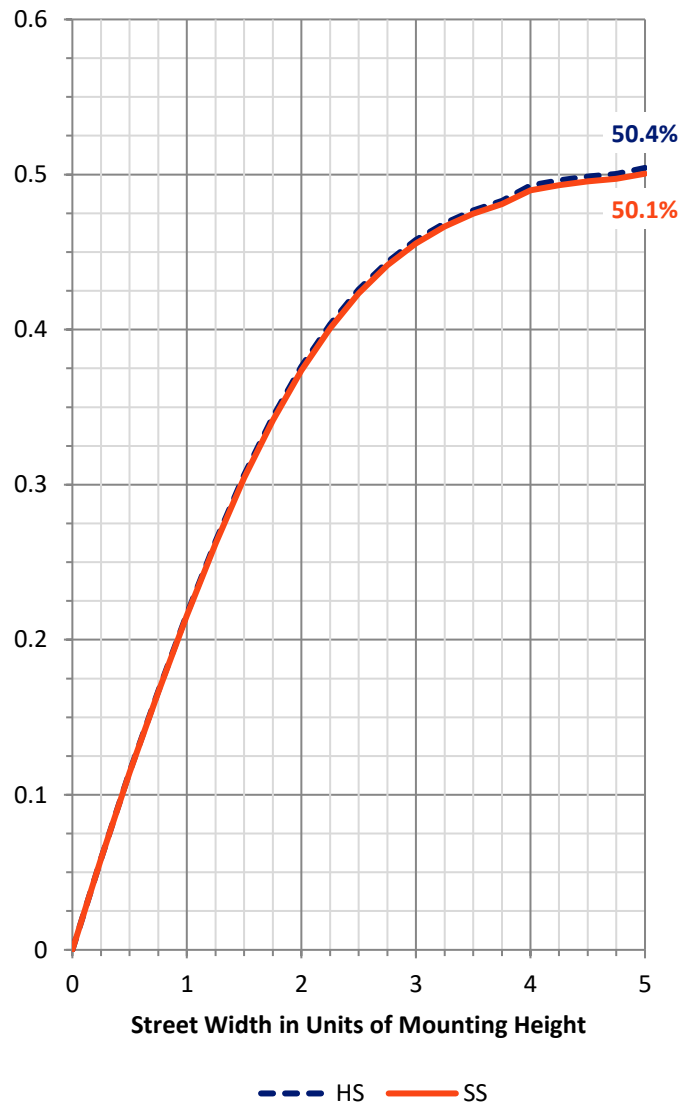
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13099.0	0.0	13099.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13099.0	0.0	13099.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26198.0	0.0	26198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.2	0.8
10°-20°	587.8	2.2
20°-30°	1002.2	3.8
30°-40°	1566.0	6.0
40°-50°	2654.0	10.1
50°-60°	4839.7	18.5
60°-70°	8331.9	31.8
70°-80°	6530.9	24.9
80°-90°	484.3	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°	26198.0	100.0
0°-180°	26198.0	100.0

Coefficient of Utilization



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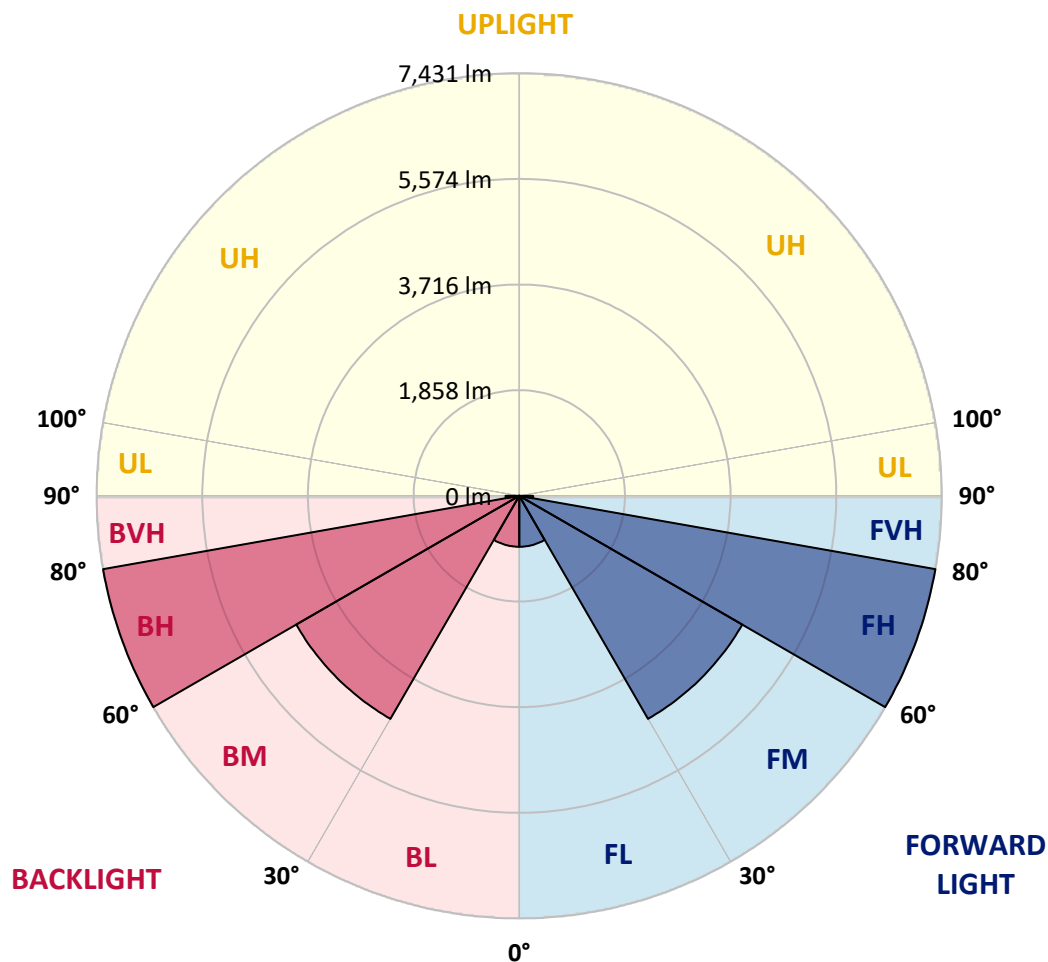
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	895.6	3.4			
FM	(30°-60°)	4529.8	17.3			
FH	(60°-80°)	7431.4	28.4			G3/7500
FVH	(80°-90°)	242.1	0.9			G3/500
BL	(0°-30°)	895.6	3.4	B2/1000		
BM	(30°-60°)	4529.8	17.3	B3/5000		
BH	(60°-80°)	7431.4	28.4	B5		G3/7500
BVH	(80°-90°)	242.1	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°	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1	2156.1
2.5°	2146.6	2149.2	2146.6	2148.3	2144.0	2145.7	2145.7	2145.7	2144.8	2145.7	2144.0
5°	2127.5	2129.2	2125.8	2127.5	2124.9	2127.5	2128.4	2127.5	2125.8	2126.6	2123.2
7.5°	2098.9	2100.6	2098.0	2100.6	2097.2	2101.5	2100.6	2098.0	2095.4	2095.4	2092.0
10°	2083.3	2084.2	2077.2	2074.6	2066.8	2068.6	2071.2	2073.8	2076.4	2081.6	2080.7
12.5°	2084.2	2084.2	2073.8	2062.5	2051.2	2053.8	2058.2	2067.7	2078.1	2087.6	2088.5
15°	2092.8	2092.0	2076.4	2058.2	2050.4	2058.2	2060.8	2066.8	2083.3	2099.8	2100.6
17.5°	2098.9	2098.9	2074.6	2053.8	2053.0	2065.1	2064.2	2066.8	2085.0	2109.3	2110.2
20°	2110.2	2110.2	2079.0	2056.4	2056.4	2069.4	2070.3	2074.6	2092.8	2119.7	2124.0
22.5°	2135.3	2136.2	2103.2	2085.0	2086.8	2094.6	2097.2	2104.1	2120.6	2150.0	2155.2
25°	2170.8	2172.6	2138.8	2128.4	2134.4	2149.2	2147.4	2152.6	2170.8	2199.4	2204.6
27.5°	2220.2	2215.9	2184.7	2180.4	2186.4	2196.8	2196.0	2196.8	2211.6	2237.6	2243.6
30°	2284.4	2282.6	2260.1	2262.7	2260.1	2256.6	2257.5	2264.4	2272.2	2293.0	2299.1
32.5°	2346.8	2348.5	2334.6	2347.6	2366.7	2379.7	2359.7	2340.7	2332.0	2343.3	2348.5
35°	2459.4	2463.7	2442.1	2433.4	2459.4	2497.5	2441.2	2410.0	2427.3	2442.1	2446.4
37.5°	2650.9	2653.5	2617.1	2582.5	2563.4	2599.8	2543.5	2546.1	2606.7	2634.5	2633.6
40°	2869.3	2870.2	2845.9	2815.6	2782.7	2791.3	2768.8	2775.7	2815.6	2840.7	2847.6
42.5°	3129.3	3126.7	3088.6	3045.2	3035.7	3044.4	3006.2	3001.0	3047.0	3092.0	3092.9
45°	3466.4	3460.3	3410.9	3363.3	3317.3	3298.3	3288.7	3313.9	3377.1	3418.7	3419.6
47.5°	3829.5	3813.0	3787.0	3748.9	3709.0	3690.0	3674.4	3686.5	3732.4	3748.9	3750.6
50°	4203.0	4206.5	4211.7	4196.9	4182.2	4176.1	4135.4	4112.0	4125.9	4095.5	4091.2
52.5°	4645.8	4652.8	4703.0	4745.5	4770.6	4783.6	4706.5	4625.9	4580.8	4521.9	4504.6
55°	5168.4	5179.7	5253.3	5371.2	5492.5	5556.6	5417.1	5266.3	5126.8	5016.7	4981.2
57.5°	5750.8	5770.7	5872.1	6098.3	6347.0	6498.6	6262.9	5989.1	5719.6	5561.0	5533.2
60°	6433.6	6452.7	6593.1	6917.2	7320.2	7548.1	7191.0	6743.0	6407.6	6256.0	6204.9
62.5°	7246.5	7248.2	7420.7	7799.4	8331.5	8648.7	8165.1	7566.3	7220.5	7037.7	6988.3
65°	8120.9	8125.2	8303.8	8712.8	9263.1	9608.0	9062.0	8438.1	8015.2	7745.7	7707.5
67.5°	8738.8	8757.0	8945.0	9437.3	9952.0	10263.1	9698.1	8992.7	8503.9	8182.4	8150.4
70°	8640.0	8711.1	8932.0	9506.6	10222.4	10666.1	9801.2	8926.8	8282.1	7902.5	7875.7
72.5°	7535.1	7671.1	7965.8	8719.7	9864.5	10475.5	9238.8	7995.2	7265.6	6942.3	6893.8
75°	5131.1	5352.1	5796.7	6884.3	8427.7	9069.8	7777.7	6374.7	5688.4	5241.2	5208.3
77.5°	2287.8	2338.1	2901.4	4153.6	5815.7	6513.4	5651.1	4170.1	3130.2	2496.7	2363.2
80°	637.8	645.6	861.4	1546.9	2910.9	3826.9	3125.0	1624.9	913.4	643.9	606.6
82.5°	202.8	220.1	268.6	401.2	978.4	1746.2	1004.4	433.3	308.5	246.1	221.8
85°	98.8	97.9	136.1	162.9	249.6	386.5	266.0	201.1	175.9	117.0	105.7
87.5°	41.6	42.5	63.3	57.2	72.8	62.4	85.8	90.1	94.5	52.0	45.1
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)