

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: P316289

Luminaire Tested: **GAN-SA5C-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316289
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-SA5C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27373 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 279
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

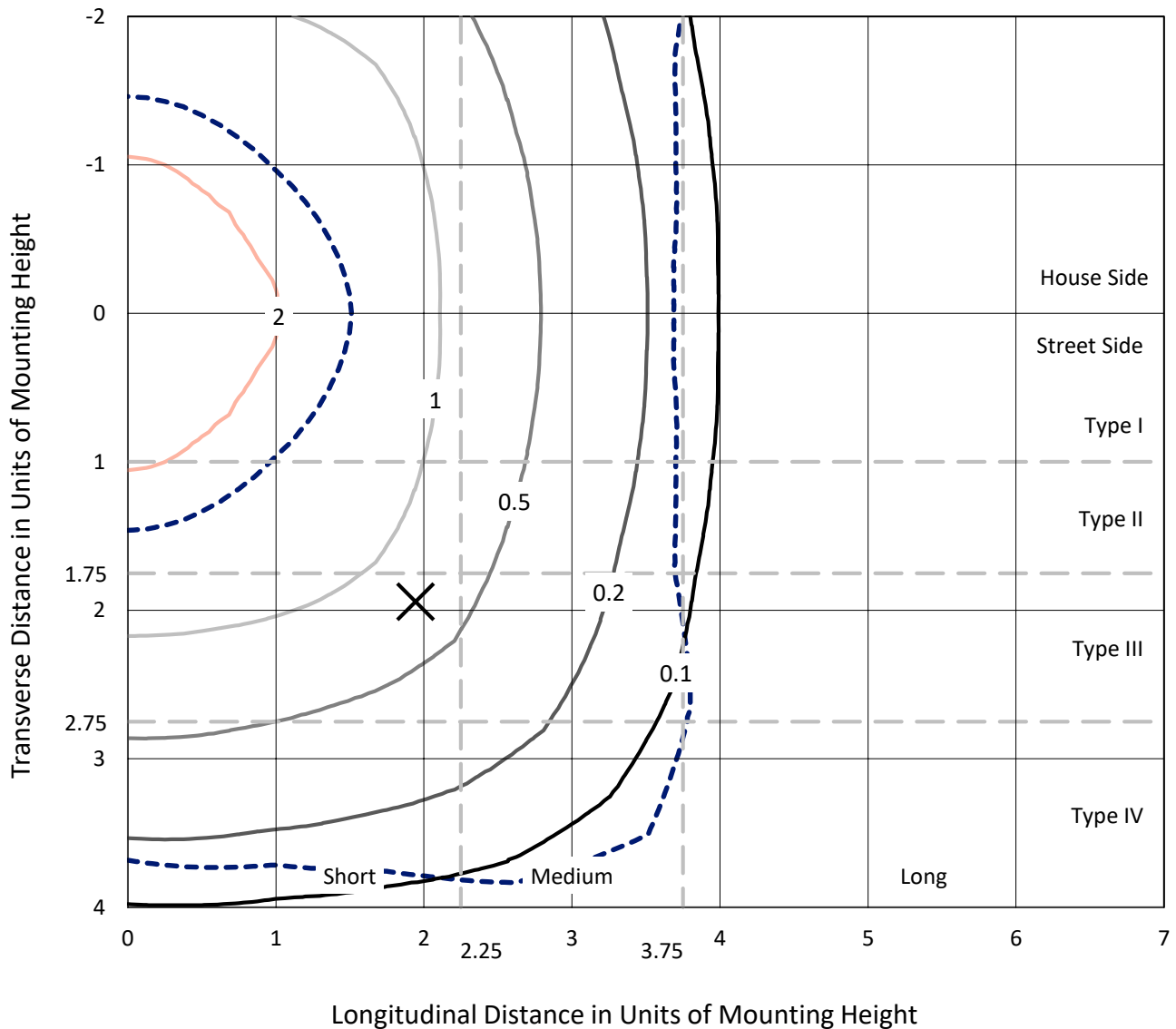


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Iso-Footcandle Lines of Horizontal Illumination

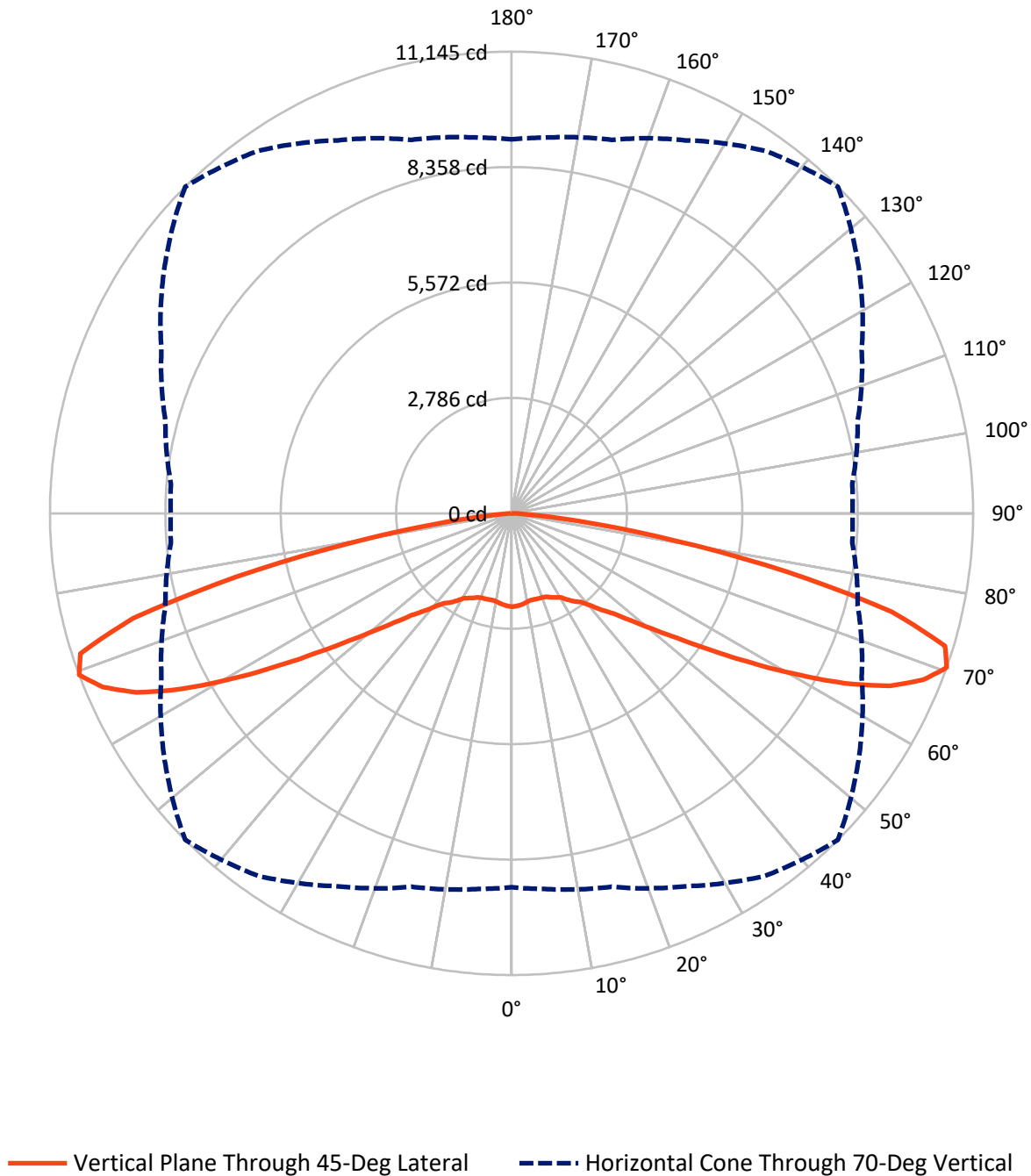
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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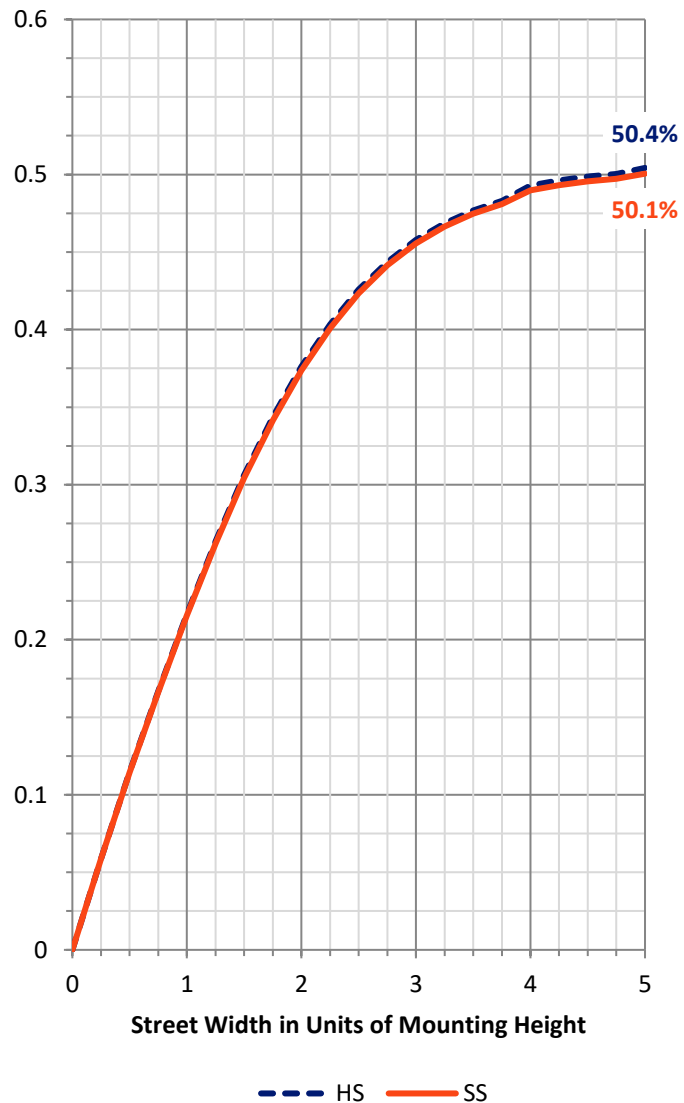
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13686.5	0.0	13686.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13686.5	0.0	13686.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27373.0	0.0	27373.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.3	0.8
10°-20°	614.2	2.2
20°-30°	1047.2	3.8
30°-40°	1636.2	6.0
40°-50°	2773.0	10.1
50°-60°	5056.8	18.5
60°-70°	8705.6	31.8
70°-80°	6823.8	24.9
80°-90°	506.0	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°	27373.0	100.0
0°-180°	27373.0	100.0

Coefficient of Utilization



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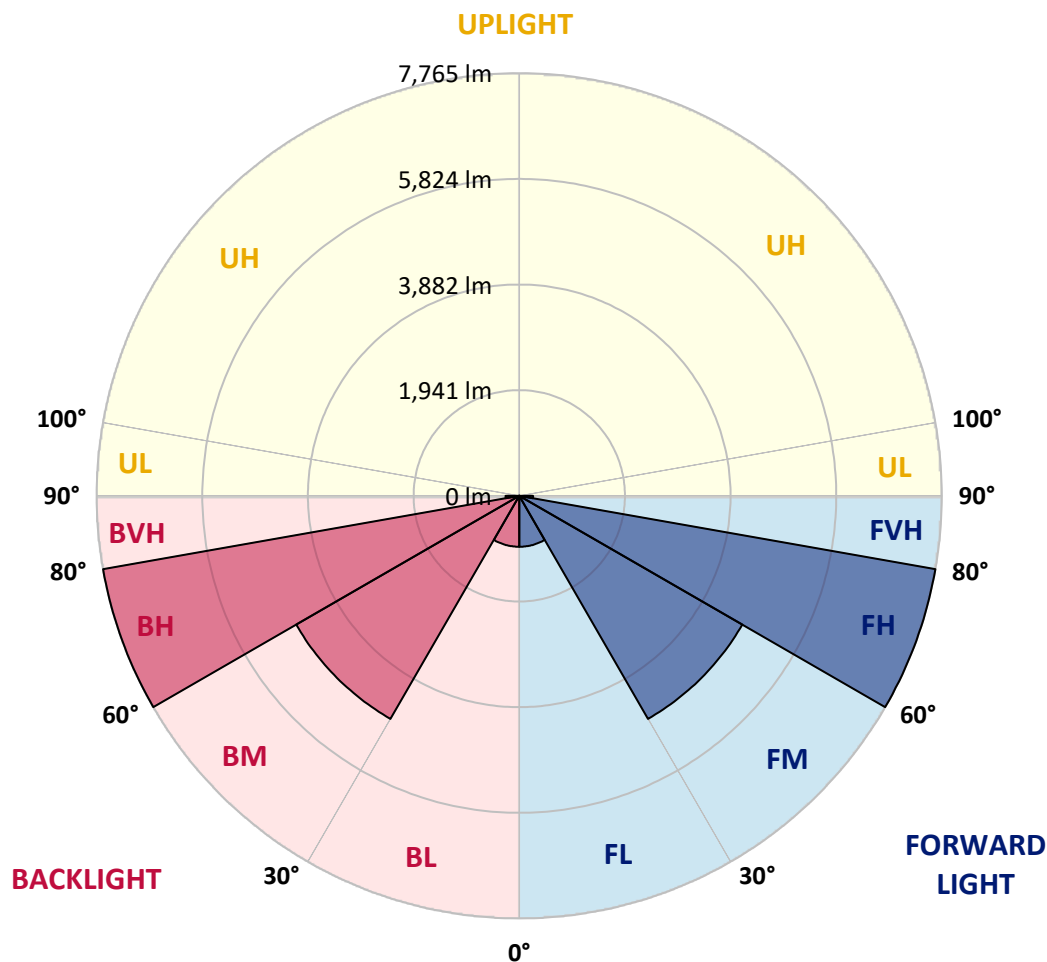
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	935.8	3.4			
FM	(30°-60°)	4733.0	17.3			
FH	(60°-80°)	7764.7	28.4			G4/12000
FVH	(80°-90°)	253.0	0.9			G3/500
BL	(0°-30°)	935.8	3.4	B2/1000		
BM	(30°-60°)	4733.0	17.3	B3/5000		
BH	(60°-80°)	7764.7	28.4	B5		G4/12000
BVH	(80°-90°)	253.0	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8	2252.8
2.5°	2242.8	2245.6	2242.8	2244.7	2240.1	2241.9	2241.9	2241.9	2241.0	2241.9	2240.1
5°	2222.9	2224.7	2221.1	2222.9	2220.2	2222.9	2223.8	2222.9	2221.1	2222.0	2218.4
7.5°	2193.0	2194.9	2192.1	2194.9	2191.2	2195.8	2194.9	2192.1	2189.4	2189.4	2185.8
10°	2176.7	2177.6	2170.4	2167.7	2159.5	2161.3	2164.1	2166.8	2169.5	2174.9	2174.0
12.5°	2177.6	2177.6	2166.8	2155.0	2143.2	2146.0	2150.5	2160.4	2171.3	2181.3	2182.2
15°	2186.7	2185.8	2169.5	2150.5	2142.3	2150.5	2153.2	2159.5	2176.7	2193.9	2194.9
17.5°	2193.0	2193.0	2167.7	2146.0	2145.1	2157.7	2156.8	2159.5	2178.6	2203.9	2204.8
20°	2204.8	2204.8	2172.2	2148.7	2148.7	2162.3	2163.2	2167.7	2186.7	2214.8	2219.3
22.5°	2231.1	2232.0	2197.6	2178.6	2180.4	2188.5	2191.2	2198.5	2215.7	2246.5	2251.9
25°	2268.2	2270.0	2234.7	2223.8	2230.2	2245.6	2243.7	2249.2	2268.2	2298.1	2303.5
27.5°	2319.8	2315.3	2282.7	2278.2	2284.5	2295.4	2294.5	2295.4	2310.8	2337.9	2344.3
30°	2386.8	2385.0	2361.5	2364.2	2361.5	2357.8	2358.7	2366.0	2374.1	2395.9	2402.2
32.5°	2452.0	2453.8	2439.3	2452.9	2472.8	2486.4	2465.6	2445.7	2436.6	2448.4	2453.8
35°	2569.7	2574.2	2551.6	2542.6	2569.7	2609.6	2550.7	2518.1	2536.2	2551.6	2556.1
37.5°	2769.8	2772.5	2734.5	2698.3	2678.4	2716.4	2657.5	2660.3	2723.6	2752.6	2751.7
40°	2998.0	2998.9	2973.6	2941.9	2907.5	2916.5	2893.0	2900.2	2941.9	2968.1	2975.4
42.5°	3269.6	3266.9	3227.1	3181.8	3171.9	3180.9	3141.1	3135.6	3183.6	3230.7	3231.6
45°	3621.9	3615.5	3563.9	3514.1	3466.1	3446.2	3436.2	3462.5	3528.6	3572.1	3573.0
47.5°	4001.3	3984.1	3956.9	3917.0	3875.4	3855.5	3839.2	3851.9	3899.8	3917.0	3918.9
50°	4391.5	4395.1	4400.6	4385.2	4369.8	4363.4	4320.9	4296.4	4310.9	4279.2	4274.7
52.5°	4854.2	4861.5	4914.0	4958.3	4984.6	4998.2	4917.6	4833.4	4786.3	4724.7	4706.6
55°	5400.2	5412.0	5488.9	5612.1	5738.8	5805.9	5660.1	5502.5	5356.7	5241.7	5204.6
57.5°	6008.7	6029.5	6135.4	6371.8	6631.6	6790.1	6543.8	6257.7	5976.1	5810.4	5781.4
60°	6722.2	6742.1	6888.8	7227.4	7648.5	7886.6	7513.6	7045.4	6695.0	6536.6	6483.1
62.5°	7571.5	7573.3	7753.5	8149.2	8705.2	9036.6	8531.3	7905.6	7544.4	7353.3	7301.7
65°	8485.1	8489.7	8676.2	9103.6	9678.5	10038.9	9468.5	8816.5	8374.7	8093.1	8053.2
67.5°	9130.7	9149.7	9346.2	9860.5	10398.4	10723.4	10133.1	9396.0	8885.3	8549.4	8515.9
70°	9027.5	9101.8	9332.6	9933.0	10680.9	11144.5	10240.8	9327.2	8653.5	8257.0	8228.9
72.5°	7873.0	8015.2	8323.1	9110.8	10306.9	10945.3	9653.2	8353.8	7591.4	7253.7	7203.0
75°	5361.3	5592.2	6056.7	7193.0	8805.7	9476.6	8126.6	6660.6	5943.5	5476.3	5441.9
77.5°	2390.4	2442.9	3031.5	4339.9	6076.6	6805.5	5904.5	4357.1	3270.5	2608.7	2469.2
80°	666.4	674.6	900.0	1616.3	3041.5	3998.5	3265.1	1697.8	954.4	672.8	633.8
82.5°	211.9	230.0	280.7	419.2	1022.3	1824.5	1049.4	452.7	322.3	257.2	231.8
85°	103.2	102.3	142.2	170.2	260.8	403.8	278.0	210.1	183.8	122.2	110.5
87.5°	43.5	44.4	66.1	59.8	76.1	65.2	89.6	94.2	98.7	54.3	47.1
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)