

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: P316080

Luminaire Tested: **GAN-SA6B-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316080
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-SA6B-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 30107 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

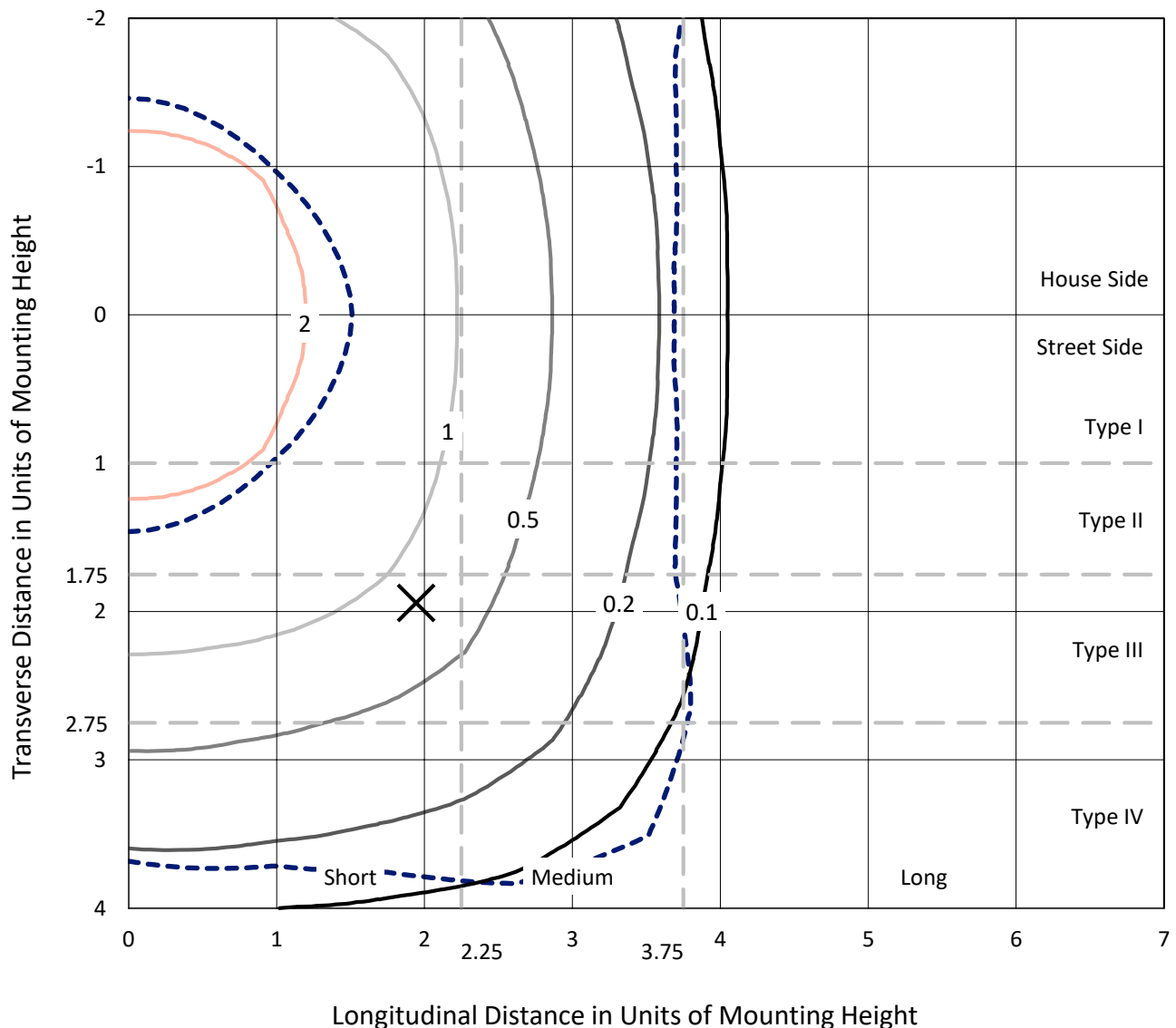
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

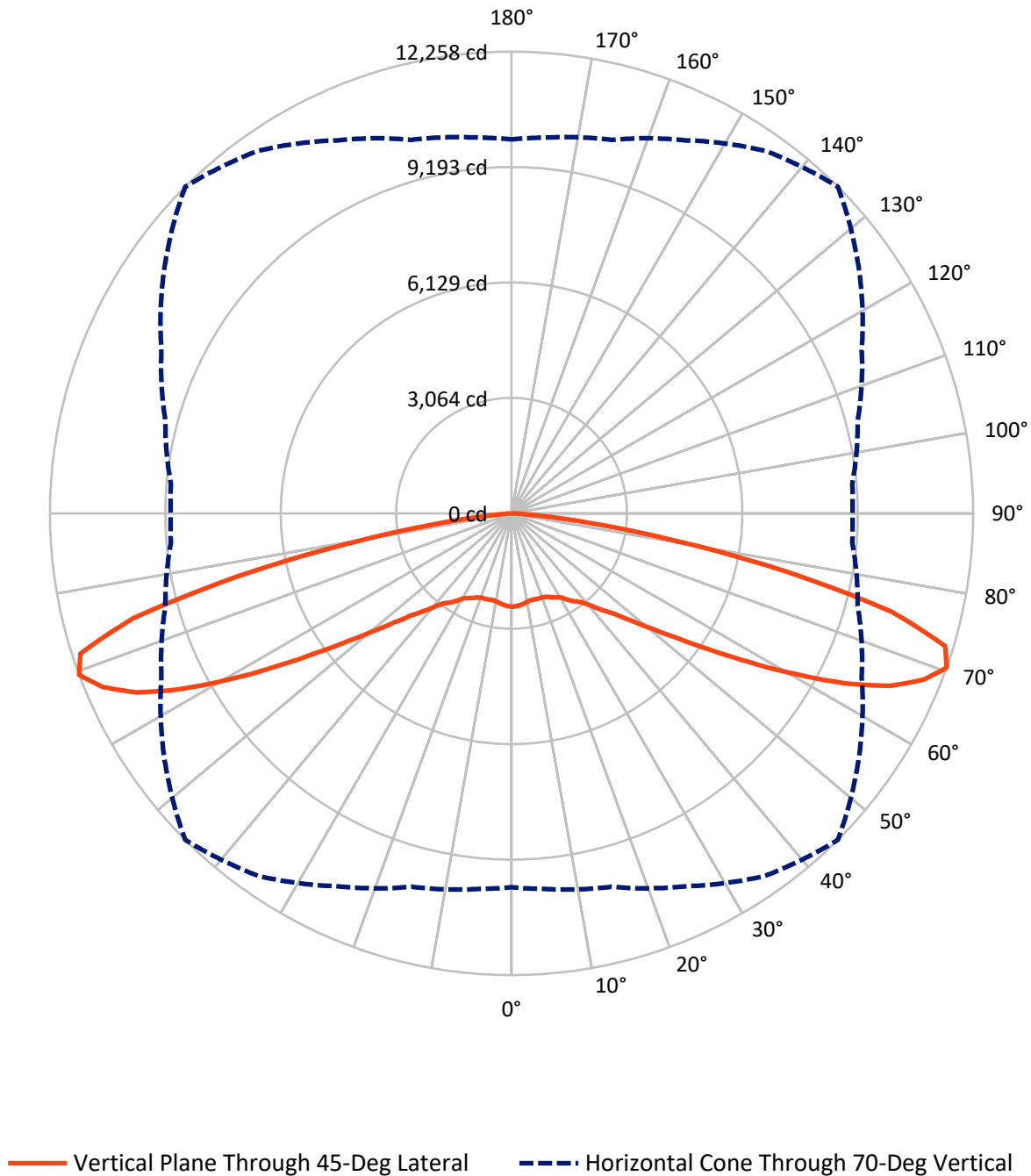
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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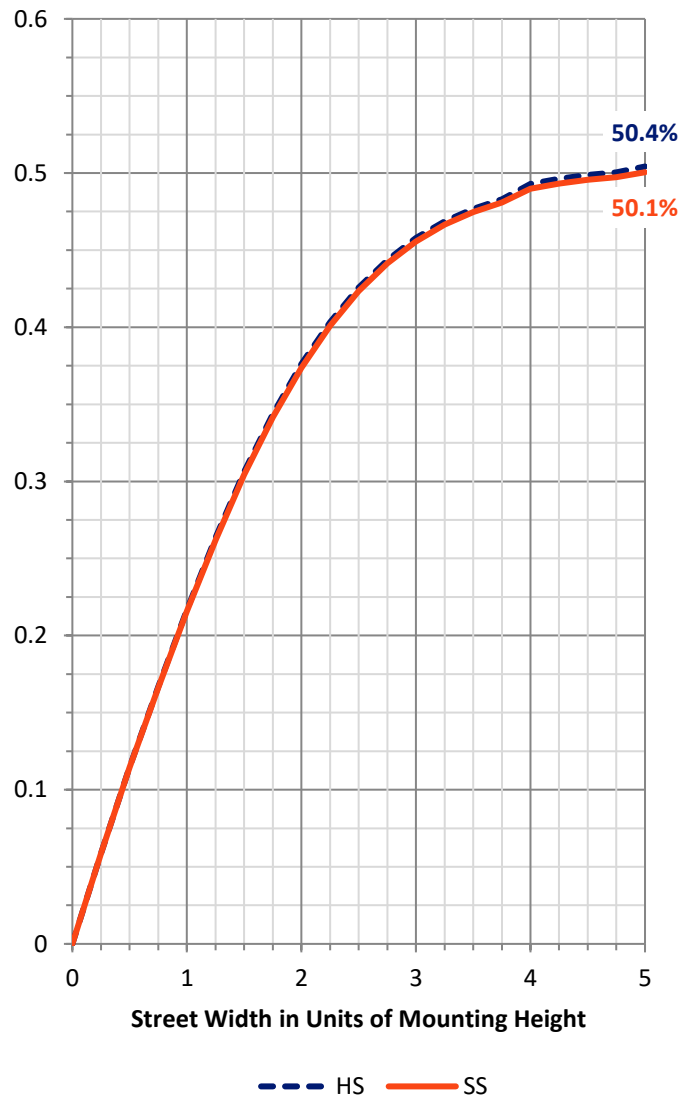
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15053.5	0.0	15053.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15053.5	0.0	15053.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30107.0	0.0	30107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.3	0.8
10°-20°	675.5	2.2
20°-30°	1151.7	3.8
30°-40°	1799.6	6.0
40°-50°	3050.0	10.1
50°-60°	5561.9	18.5
60°-70°	9575.1	31.8
70°-80°	7505.3	24.9
80°-90°	556.5	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°	30107.0	100.0
0°-180°	30107.0	100.0

Coefficient of Utilization



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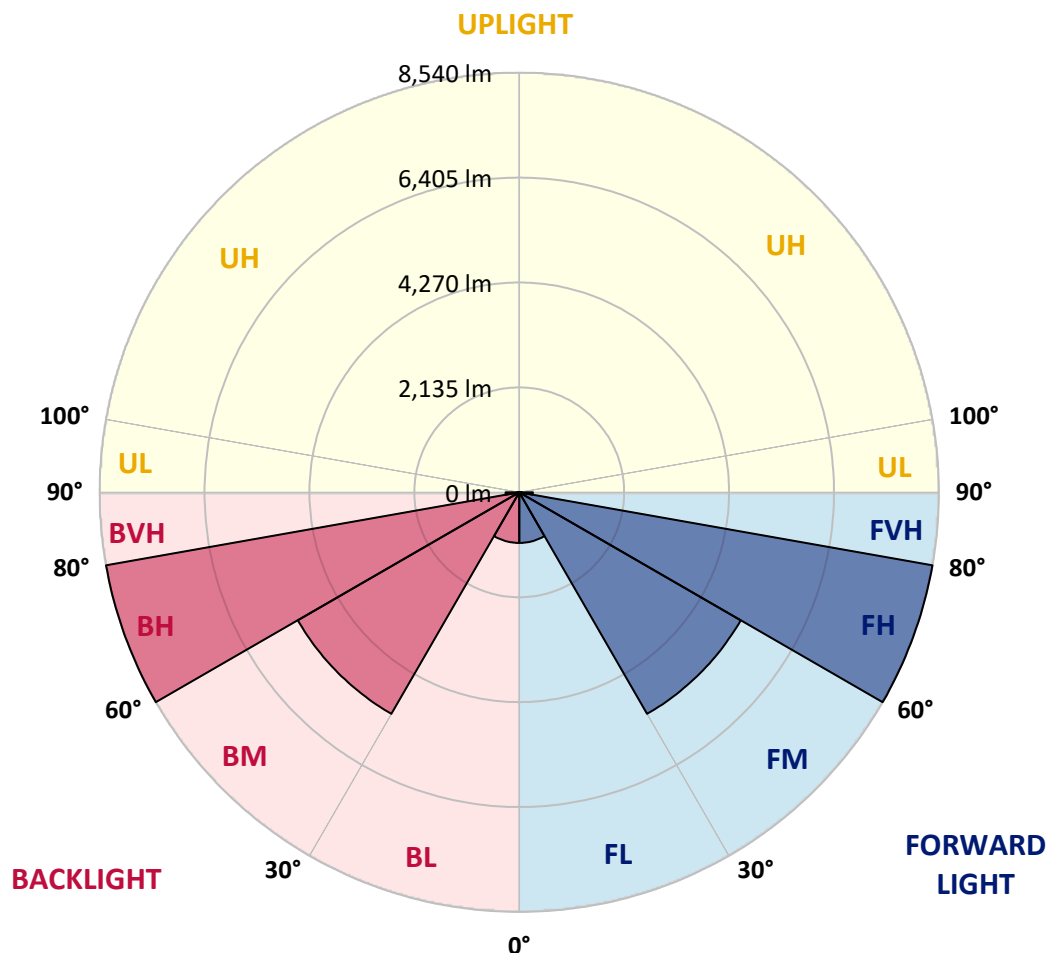
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1029.3	3.4			
FM	(30°-60°)	5205.7	17.3			
FH	(60°-80°)	8540.2	28.4			G4/12000
FVH	(80°-90°)	278.3	0.9			G3/500
BL	(0°-30°)	1029.3	3.4	B3/2500		
BM	(30°-60°)	5205.7	17.3	B4/8500		
BH	(60°-80°)	8540.2	28.4	B5		G4/12000
BVH	(80°-90°)	278.3	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°	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8	2477.8
2.5°	2466.9	2469.8	2466.9	2468.8	2463.9	2465.9	2465.9	2465.9	2464.9	2465.9	2463.9
5°	2444.9	2446.9	2443.0	2444.9	2442.0	2444.9	2445.9	2444.9	2443.0	2443.9	2440.0
7.5°	2412.1	2414.1	2411.1	2414.1	2410.1	2415.1	2414.1	2411.1	2408.1	2408.1	2404.1
10°	2394.2	2395.2	2387.2	2384.2	2375.2	2377.2	2380.2	2383.2	2386.2	2392.2	2391.2
12.5°	2395.2	2395.2	2383.2	2370.3	2357.3	2360.3	2365.3	2376.2	2388.2	2399.1	2400.1
15°	2405.1	2404.1	2386.2	2365.3	2356.3	2365.3	2368.3	2375.2	2394.2	2413.1	2414.1
17.5°	2412.1	2412.1	2384.2	2360.3	2359.3	2373.2	2372.2	2375.2	2396.1	2424.0	2425.0
20°	2425.0	2425.0	2389.2	2363.3	2363.3	2378.2	2379.2	2384.2	2405.1	2436.0	2441.0
22.5°	2453.9	2454.9	2417.1	2396.1	2398.1	2407.1	2410.1	2418.1	2437.0	2470.8	2476.8
25°	2494.7	2496.7	2457.9	2445.9	2452.9	2469.8	2467.9	2473.8	2494.7	2527.6	2533.6
27.5°	2551.5	2546.5	2510.7	2505.7	2512.7	2524.6	2523.6	2524.6	2541.5	2571.4	2578.4
30°	2625.2	2623.2	2597.3	2600.3	2597.3	2593.3	2594.3	2602.3	2611.3	2635.2	2642.1
32.5°	2696.9	2698.9	2683.0	2697.9	2719.8	2734.8	2711.8	2689.9	2680.0	2692.9	2698.9
35°	2826.4	2831.4	2806.5	2796.5	2826.4	2870.2	2805.5	2769.6	2789.5	2806.5	2811.4
37.5°	3046.5	3049.5	3007.6	2967.8	2945.9	2987.7	2923.0	2926.0	2995.7	3027.5	3026.6
40°	3297.4	3298.4	3270.6	3235.7	3197.8	3207.8	3181.9	3189.9	3235.7	3264.6	3272.5
42.5°	3596.2	3593.2	3549.4	3499.6	3488.7	3498.6	3454.8	3448.8	3501.6	3553.4	3554.4
45°	3983.6	3976.6	3919.9	3865.1	3812.3	3790.4	3779.5	3808.3	3881.0	3928.8	3929.8
47.5°	4400.9	4382.0	4352.1	4308.3	4262.5	4240.6	4222.6	4236.6	4289.4	4308.3	4310.3
50°	4830.1	4834.1	4840.1	4823.2	4806.2	4799.3	4752.5	4725.6	4741.5	4706.6	4701.7
52.5°	5339.0	5347.0	5404.8	5453.6	5482.5	5497.4	5408.8	5316.1	5264.4	5196.6	5176.7
55°	5939.6	5952.5	6037.2	6172.6	6312.0	6385.7	6225.4	6052.1	5891.8	5765.3	5724.5
57.5°	6608.8	6631.7	6748.2	7008.2	7294.0	7468.3	7197.4	6882.7	6573.0	6390.7	6358.8
60°	7393.6	7415.5	7576.8	7949.3	8412.4	8674.3	8264.0	7749.1	7363.7	7189.4	7130.7
62.5°	8327.8	8329.7	8527.9	8963.1	9574.6	9939.1	9383.4	8695.2	8297.9	8087.7	8031.0
65°	9332.6	9337.6	9542.8	10012.8	10645.2	11041.6	10414.2	9697.1	9211.1	8901.4	8857.6
67.5°	10042.7	10063.6	10279.7	10845.4	11437.0	11794.5	11145.2	10334.5	9772.8	9403.3	9366.5
70°	9929.2	10010.8	10264.8	10925.1	11747.7	12257.6	11263.7	10258.8	9517.9	9081.7	9050.8
72.5°	8659.4	8815.7	9154.4	10020.8	11336.4	12038.5	10617.3	9188.2	8349.7	7978.2	7922.4
75°	5896.8	6150.7	6661.6	7911.5	9685.2	10423.1	8938.2	7325.9	6537.1	6023.2	5985.4
77.5°	2629.2	2687.0	3334.3	4773.4	6683.5	7485.2	6494.3	4792.3	3597.2	2869.2	2715.8
80°	733.0	741.9	989.9	1777.7	3345.2	4397.9	3591.2	1867.3	1049.7	740.0	697.1
82.5°	233.0	253.0	308.7	461.1	1124.4	2006.7	1154.3	498.0	354.5	282.8	255.0
85°	113.5	112.5	156.4	187.2	286.8	444.2	305.7	231.0	202.2	134.4	121.5
87.5°	47.8	48.8	72.7	65.7	83.7	71.7	98.6	103.6	108.6	59.8	51.8
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)