

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: P316253

Luminaire Tested: **GAN-SA9C-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316253
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-SA9C-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 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: 66603 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

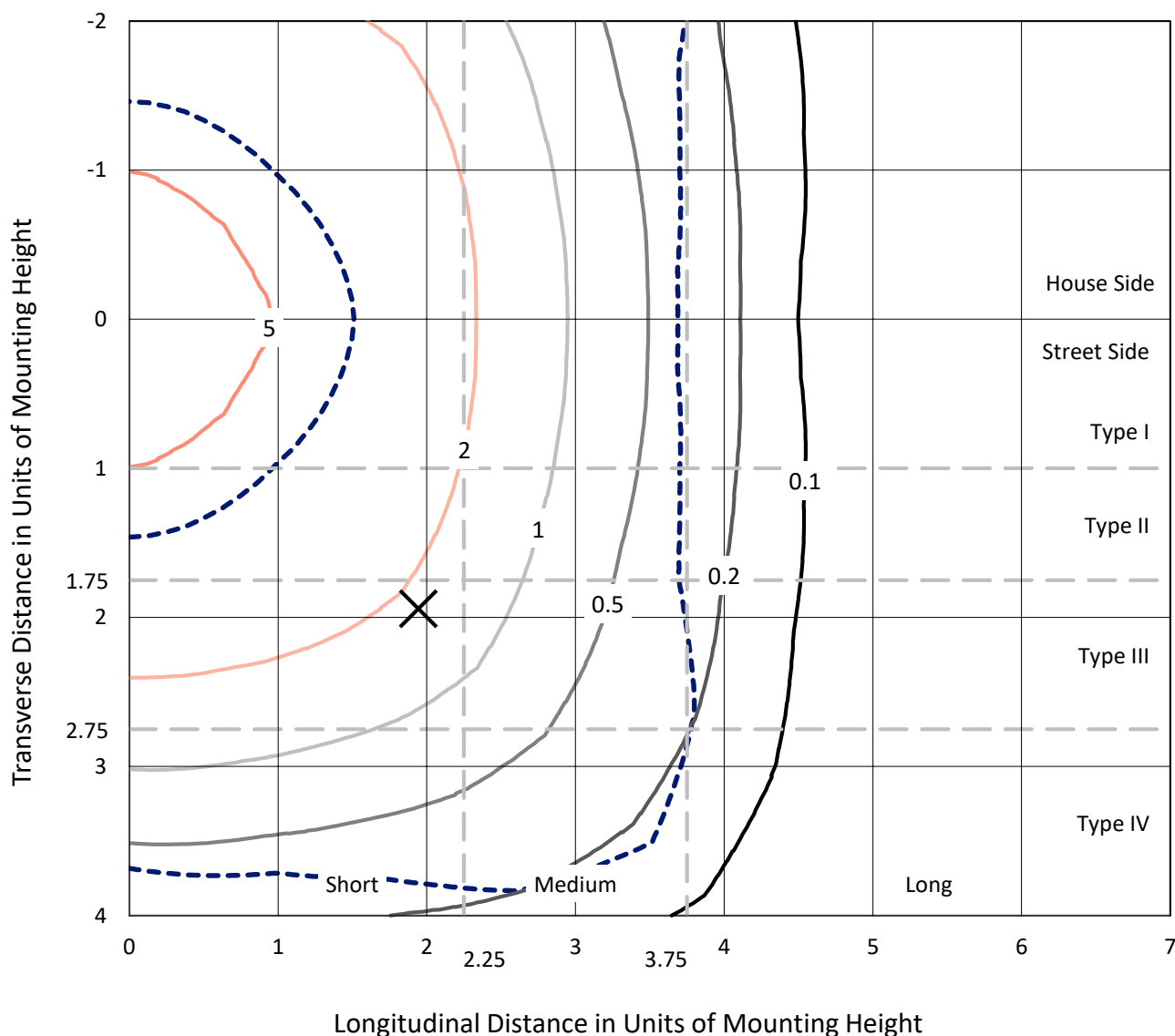
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

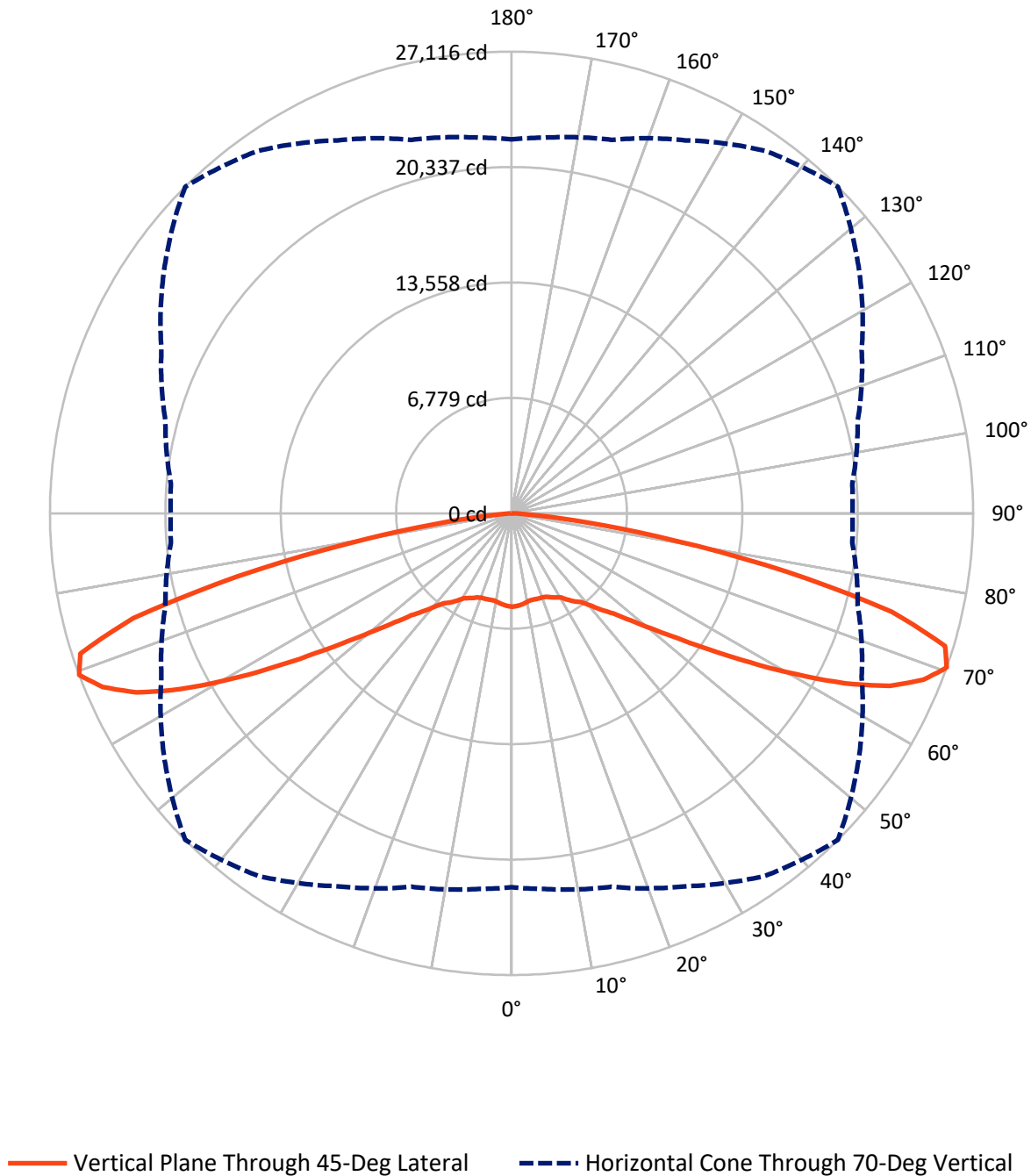
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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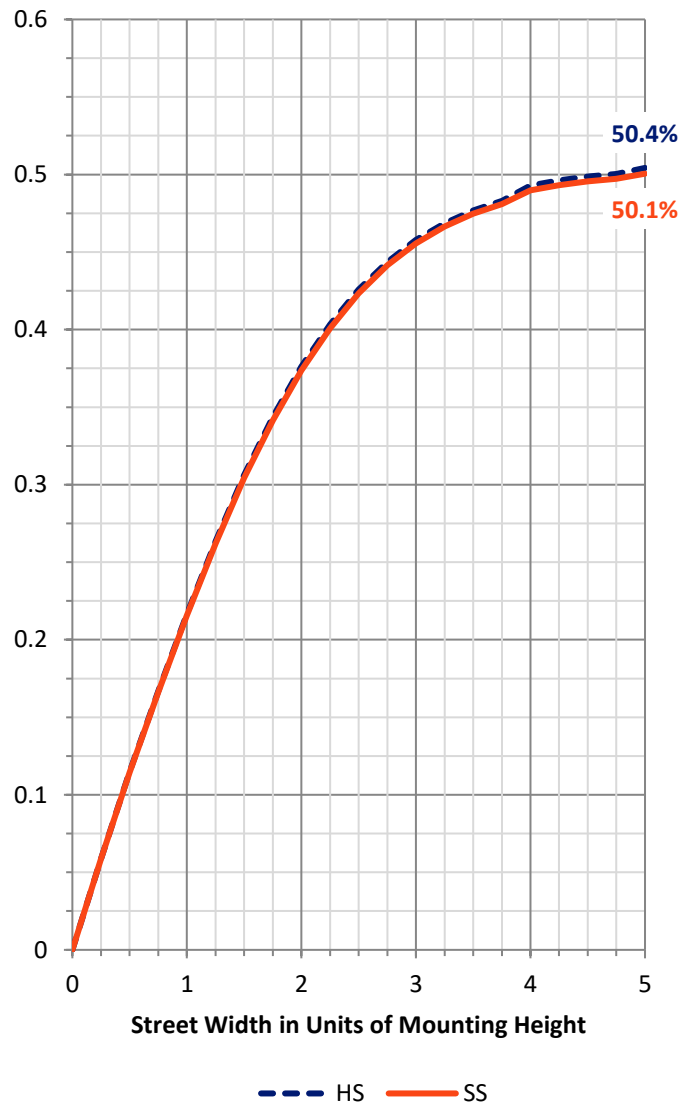
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33301.5	0.0	33301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33301.5	0.0	33301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	66603.0	0.0	66603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.6	0.8
10°-20°	1494.4	2.2
20°-30°	2547.9	3.8
30°-40°	3981.2	6.0
40°-50°	6747.2	10.1
50°-60°	12304.0	18.5
60°-70°	21182.2	31.8
70°-80°	16603.4	24.9
80°-90°	1231.1	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°	66603.0	100.0
0°-180°	66603.0	100.0

Coefficient of Utilization



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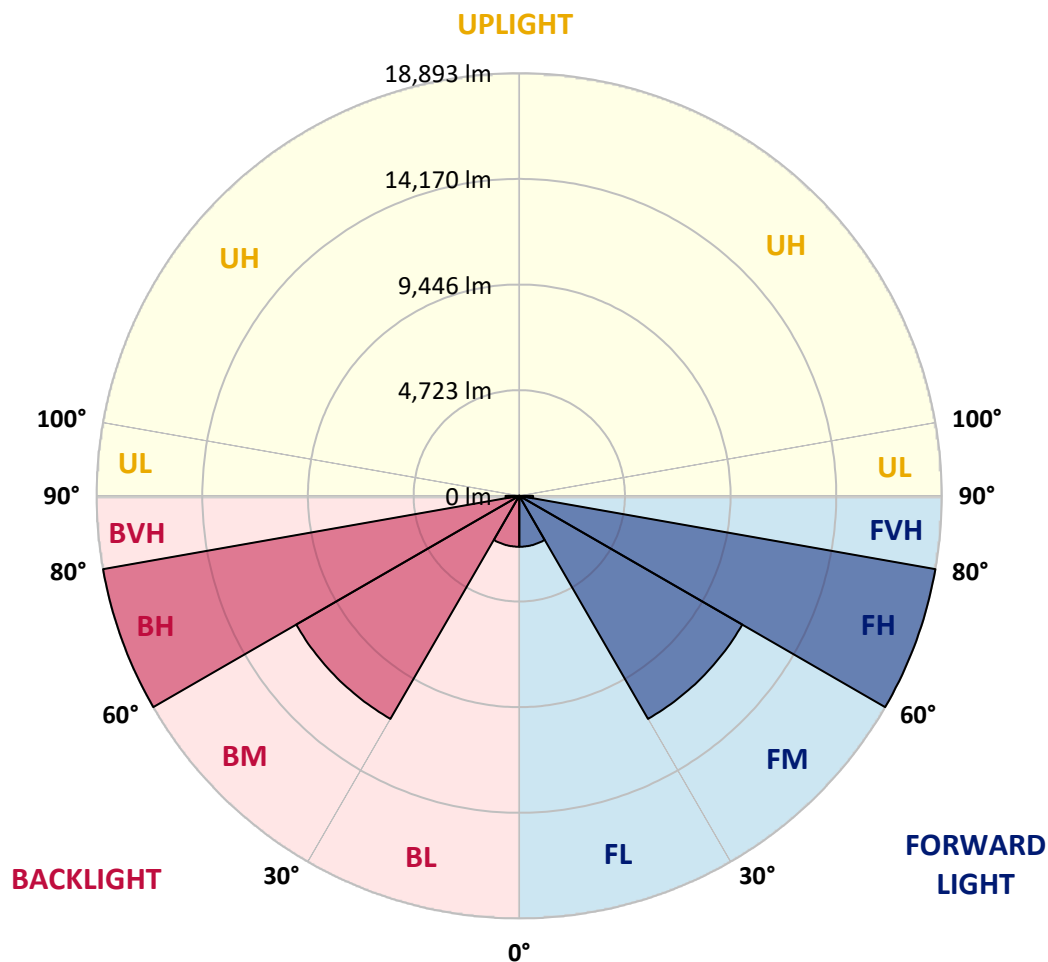
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2277.0	3.4			
FM	(30°-60°)	11516.2	17.3			
FH	(60°-80°)	18892.8	28.4			G5
FVH	(80°-90°)	615.6	0.9			G4/750
BL	(0°-30°)	2277.0	3.4	B3/2500		
BM	(30°-60°)	11516.2	17.3	B5		
BH	(60°-80°)	18892.8	28.4	B5		G5
BVH	(80°-90°)	615.6	0.9			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4	5481.4
2.5°	5457.2	5463.8	5457.2	5461.6	5450.6	5455.0	5455.0	5455.0	5452.8	5455.0	5450.6
5°	5408.7	5413.1	5404.3	5408.7	5402.1	5408.7	5410.9	5408.7	5404.3	5406.5	5397.7
7.5°	5336.0	5340.4	5333.8	5340.4	5331.6	5342.6	5340.4	5333.8	5327.2	5327.2	5318.4
10°	5296.4	5298.6	5280.9	5274.3	5254.5	5258.9	5265.5	5272.1	5278.7	5292.0	5289.8
12.5°	5298.6	5298.6	5272.1	5243.5	5214.9	5221.5	5232.5	5256.7	5283.2	5307.4	5309.6
15°	5320.6	5318.4	5278.7	5232.5	5212.7	5232.5	5239.1	5254.5	5296.4	5338.2	5340.4
17.5°	5336.0	5336.0	5274.3	5221.5	5219.3	5250.1	5247.9	5254.5	5300.8	5362.5	5364.7
20°	5364.7	5364.7	5285.4	5228.1	5228.1	5261.1	5263.3	5274.3	5320.6	5388.9	5399.9
22.5°	5428.6	5430.8	5347.0	5300.8	5305.2	5325.0	5331.6	5349.2	5391.1	5466.0	5479.2
25°	5518.9	5523.3	5437.4	5410.9	5426.4	5463.8	5459.4	5472.6	5518.9	5591.6	5604.8
27.5°	5644.5	5633.5	5554.1	5543.1	5558.5	5585.0	5582.8	5585.0	5622.4	5688.5	5704.0
30°	5807.5	5803.1	5745.8	5752.4	5745.8	5737.0	5739.2	5756.8	5776.7	5829.5	5845.0
32.5°	5966.1	5970.5	5935.3	5968.3	6016.8	6049.8	5999.2	5950.7	5928.7	5957.3	5970.5
35°	6252.5	6263.6	6208.5	6186.4	6252.5	6349.5	6206.3	6127.0	6171.0	6208.5	6219.5
37.5°	6739.4	6746.0	6653.5	6565.4	6516.9	6609.4	6466.2	6472.9	6627.1	6697.6	6695.4
40°	7294.6	7296.8	7235.1	7158.0	7074.3	7096.3	7039.1	7056.7	7158.0	7221.9	7239.5
42.5°	7955.6	7949.0	7852.0	7741.9	7717.6	7739.7	7642.7	7629.5	7746.3	7860.8	7863.0
45°	8812.6	8797.2	8671.6	8550.4	8433.7	8385.2	8361.0	8424.8	8585.7	8691.4	8693.6
47.5°	9735.7	9693.9	9627.8	9530.8	9429.5	9381.0	9341.4	9372.2	9489.0	9530.8	9535.2
50°	10685.3	10694.1	10707.3	10669.9	10632.4	10617.0	10513.4	10453.9	10489.2	10412.1	10401.1
52.5°	11811.1	11828.7	11956.5	12064.4	12128.3	12161.4	11965.3	11760.4	11645.8	11496.0	11452.0
55°	13139.6	13168.2	13355.5	13655.1	13963.6	14126.6	13771.9	13388.5	13033.8	12754.0	12663.7
57.5°	14620.1	14670.8	14928.5	15503.6	16135.9	16521.4	15922.2	15226.0	14540.8	14137.6	14067.1
60°	16356.2	16404.7	16761.6	17585.5	18610.0	19189.4	18281.7	17142.7	16290.1	15904.5	15774.6
62.5°	18422.7	18427.1	18865.6	19828.3	21181.1	21987.4	20758.1	19235.7	18356.6	17891.8	17766.2
65°	20645.7	20656.7	21110.6	22150.5	23549.5	24426.3	23038.3	21452.1	20376.9	19691.8	19594.8
67.5°	22216.6	22262.8	22740.9	23992.3	25301.0	26091.9	24655.4	22862.1	21619.5	20802.1	20720.6
70°	21965.4	22146.1	22707.9	24168.6	25988.4	27116.4	24917.6	22694.6	21055.5	20090.5	20022.2
72.5°	19156.4	19502.3	20251.4	22168.1	25078.5	26631.7	23487.8	20326.3	18471.2	17649.4	17526.1
75°	13044.8	13606.7	14736.9	17501.8	21425.6	23058.2	19773.3	16206.4	14461.5	13324.6	13240.9
77.5°	5816.3	5944.1	7376.1	10559.7	14785.3	16558.9	14366.7	10601.6	7957.8	6347.3	6008.0
80°	1621.5	1641.3	2189.9	3932.6	7400.4	9729.1	7944.6	4130.9	2322.1	1636.9	1542.2
82.5°	515.5	559.6	683.0	1020.1	2487.4	4439.3	2553.5	1101.6	784.3	625.7	564.0
85°	251.2	249.0	345.9	414.2	634.5	982.6	676.4	511.1	447.2	297.4	268.8
87.5°	105.8	108.0	160.8	145.4	185.1	158.6	218.1	229.1	240.1	132.2	114.6
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)