

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: P316334

Luminaire Tested: **GAN-SA0C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316334
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-SA0C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 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: 58599 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

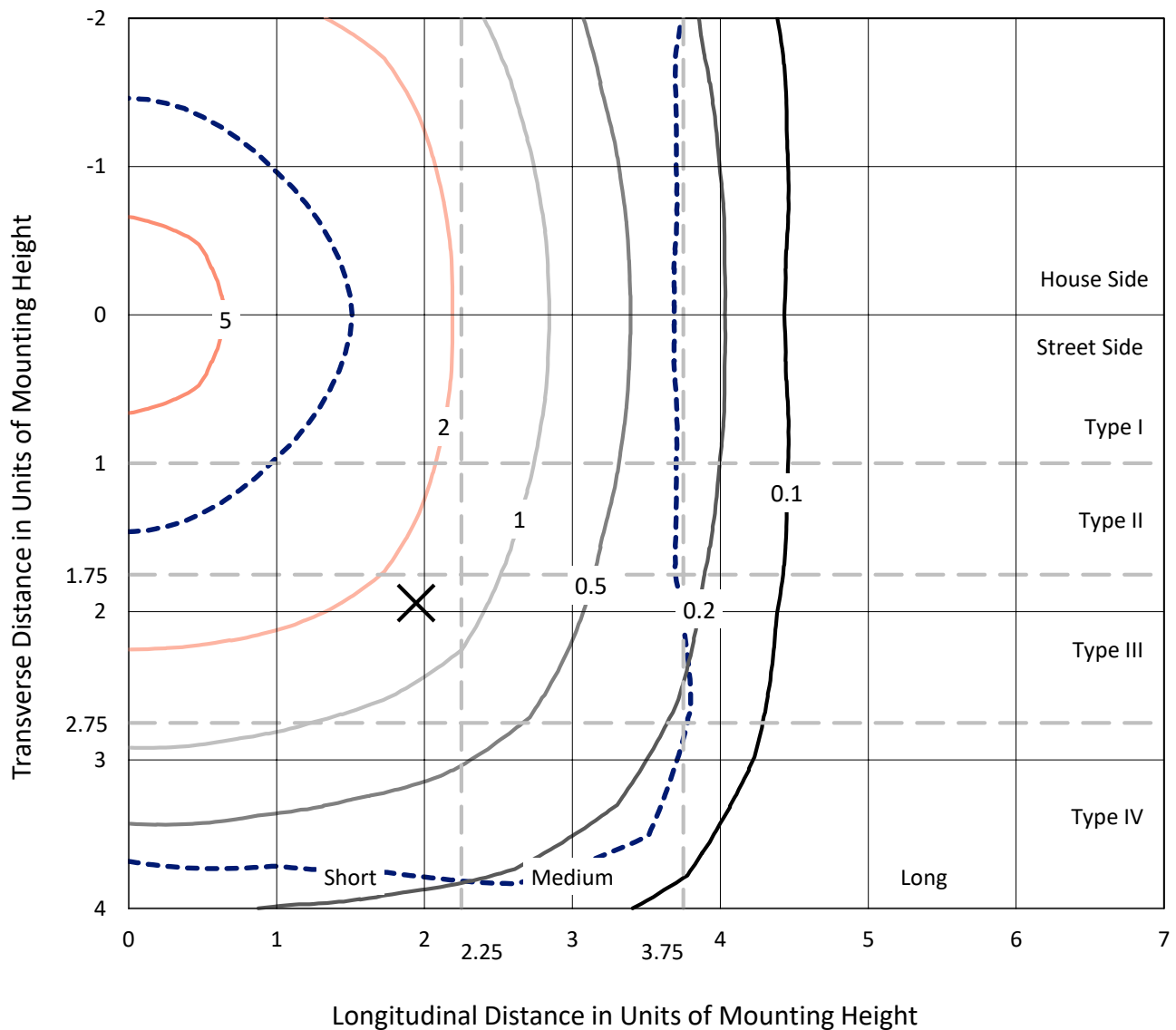
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

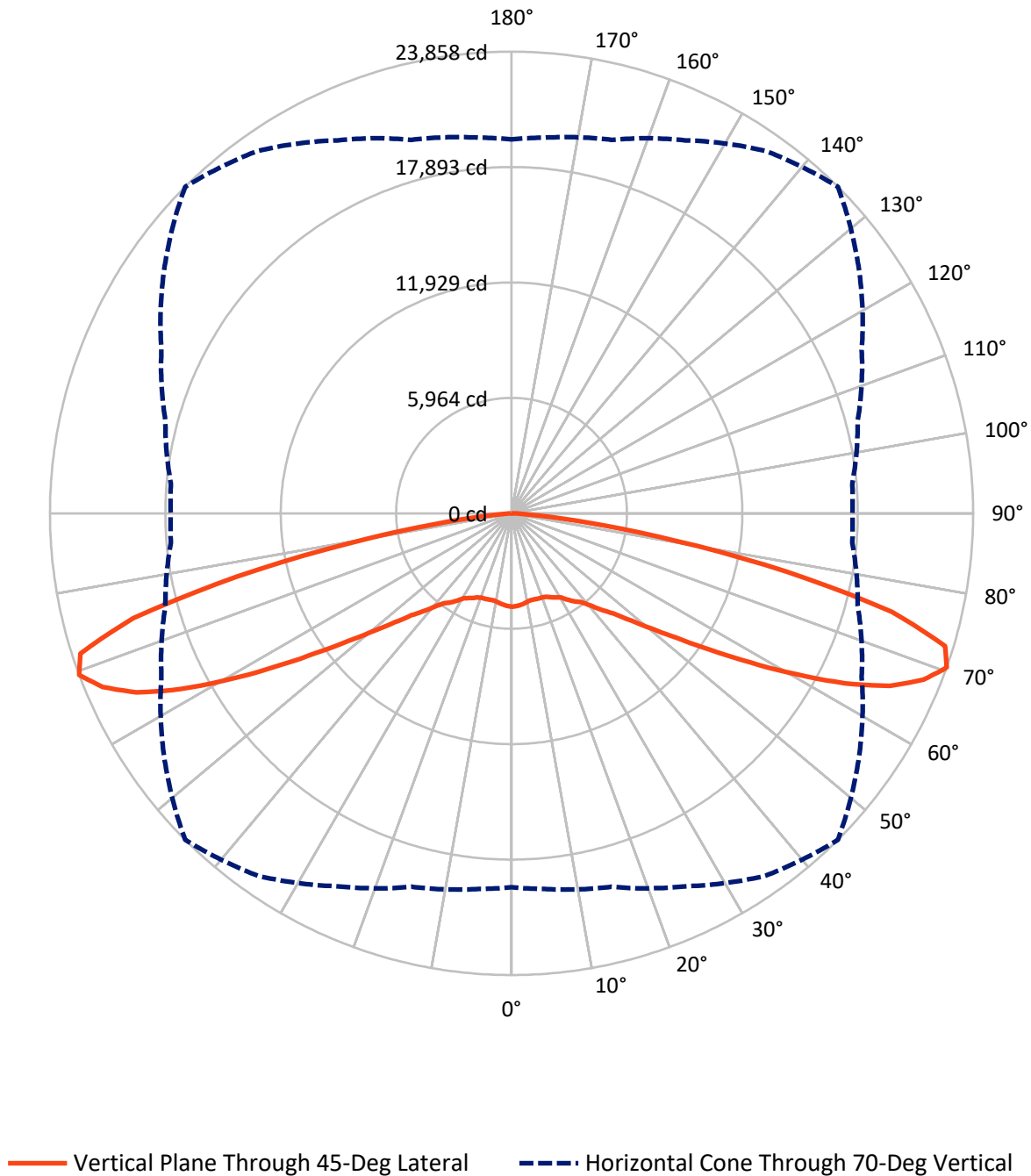
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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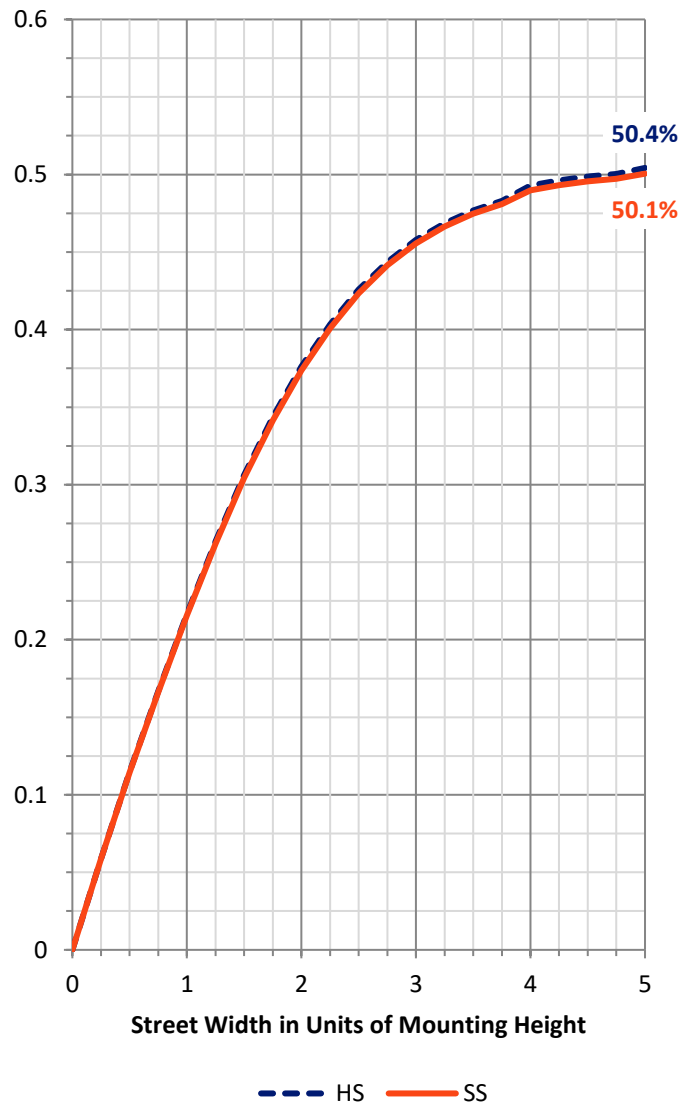
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29299.5	0.0	29299.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29299.5	0.0	29299.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58599.0	0.0	58599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.1	0.8
10°-20°	1314.8	2.2
20°-30°	2241.7	3.8
30°-40°	3502.7	6.0
40°-50°	5936.3	10.1
50°-60°	10825.4	18.5
60°-70°	18636.6	31.8
70°-80°	14608.1	24.9
80°-90°	1083.2	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°	58599.0	100.0
0°-180°	58599.0	100.0

Coefficient of Utilization



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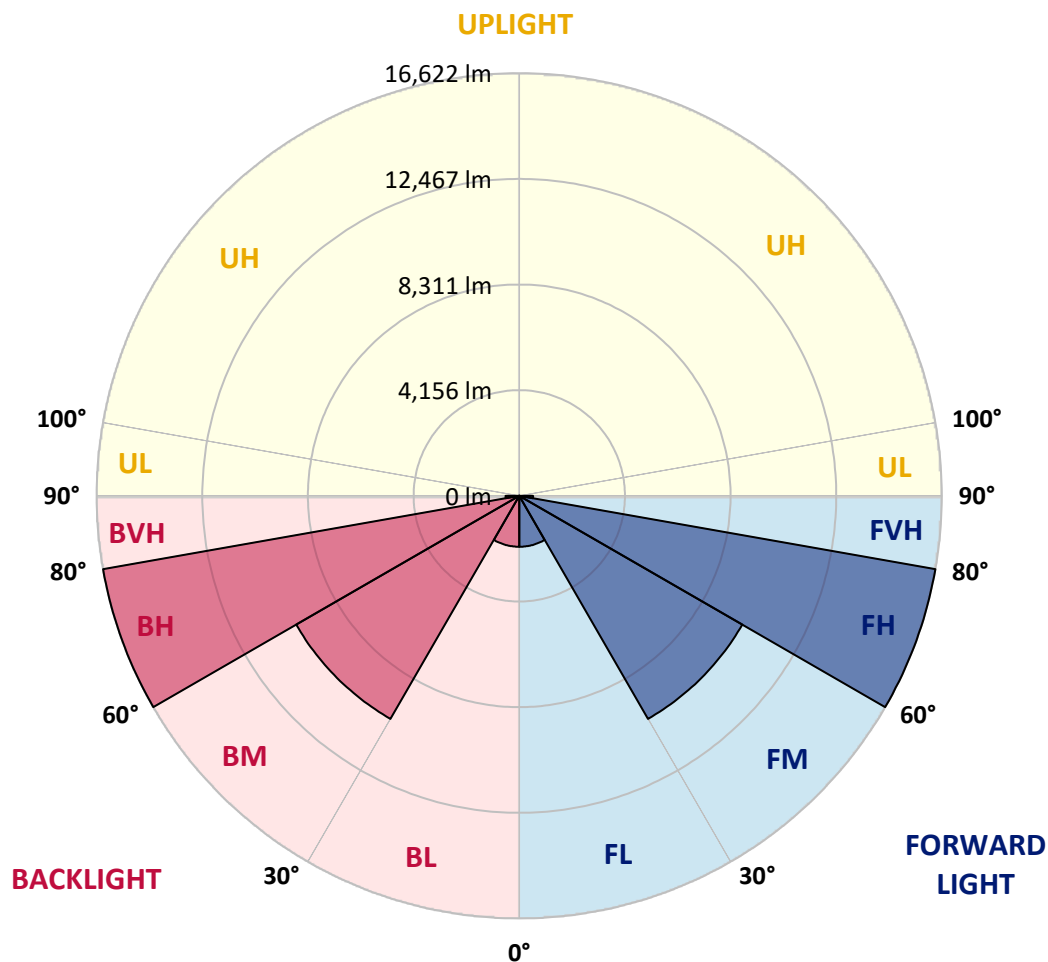
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2003.3	3.4			
FM	(30°-60°)	10132.2	17.3			
FH	(60°-80°)	16622.4	28.4			G5
FVH	(80°-90°)	541.6	0.9			G4/750
BL	(0°-30°)	2003.3	3.4	B3/2500		
BM	(30°-60°)	10132.2	17.3	B5		
BH	(60°-80°)	16622.4	28.4	B5		G5
BVH	(80°-90°)	541.6	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°	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7	4822.7
2.5°	4801.4	4807.2	4801.4	4805.3	4795.6	4799.4	4799.4	4799.4	4797.5	4799.4	4795.6
5°	4758.7	4762.6	4754.9	4758.7	4752.9	4758.7	4760.7	4758.7	4754.9	4756.8	4749.0
7.5°	4694.8	4698.6	4692.8	4698.6	4690.9	4700.6	4698.6	4692.8	4687.0	4687.0	4679.3
10°	4659.9	4661.8	4646.3	4640.5	4623.1	4626.9	4632.7	4638.6	4644.4	4656.0	4654.1
12.5°	4661.8	4661.8	4638.6	4613.4	4588.2	4594.0	4603.7	4625.0	4648.3	4669.6	4671.5
15°	4681.2	4679.3	4644.4	4603.7	4586.2	4603.7	4609.5	4623.1	4659.9	4696.7	4698.6
17.5°	4694.8	4694.8	4640.5	4594.0	4592.0	4619.2	4617.2	4623.1	4663.8	4718.0	4720.0
20°	4720.0	4720.0	4650.2	4599.8	4599.8	4628.9	4630.8	4640.5	4681.2	4741.3	4751.0
22.5°	4776.2	4778.1	4704.5	4663.8	4667.6	4685.1	4690.9	4706.4	4743.2	4809.1	4820.8
25°	4855.7	4859.5	4783.9	4760.7	4774.2	4807.2	4803.3	4815.0	4855.7	4919.6	4931.3
27.5°	4966.1	4956.5	4886.7	4877.0	4890.5	4913.8	4911.9	4913.8	4946.8	5004.9	5018.5
30°	5109.6	5105.7	5055.3	5061.1	5055.3	5047.6	5049.5	5065.0	5082.4	5129.0	5142.5
32.5°	5249.2	5253.0	5222.0	5251.1	5293.7	5322.8	5278.2	5235.6	5216.2	5241.4	5253.0
35°	5501.1	5510.8	5462.4	5443.0	5501.1	5586.4	5460.4	5390.7	5429.4	5462.4	5472.1
37.5°	5929.5	5935.3	5853.9	5776.4	5733.7	5815.2	5689.2	5695.0	5830.7	5892.7	5890.8
40°	6418.0	6419.9	6365.7	6297.8	6224.2	6243.5	6193.1	6208.7	6297.8	6354.0	6369.5
42.5°	6999.5	6993.7	6908.4	6811.5	6790.2	6809.6	6724.3	6712.6	6815.4	6916.2	6918.1
45°	7753.5	7740.0	7629.5	7522.9	7420.1	7377.5	7356.2	7412.4	7553.9	7646.9	7648.9
47.5°	8565.7	8528.9	8470.7	8385.5	8296.3	8253.6	8218.8	8245.9	8348.6	8385.5	8389.3
50°	9401.2	9408.9	9420.6	9387.6	9354.7	9341.1	9250.0	9197.6	9228.7	9160.8	9151.1
52.5°	10391.7	10407.2	10519.6	10614.6	10670.8	10699.9	10527.4	10347.1	10246.3	10114.5	10075.7
55°	11560.5	11585.7	11750.5	12014.1	12285.5	12428.9	12116.9	11779.6	11467.5	11221.3	11141.8
57.5°	12863.1	12907.7	13134.5	13640.4	14196.7	14536.0	14008.7	13396.2	12793.4	12438.6	12376.6
60°	14390.6	14433.2	14747.2	15472.2	16373.6	16883.3	16084.7	15082.6	14332.4	13993.2	13878.8
62.5°	16208.8	16212.7	16598.4	17445.5	18635.6	19345.1	18263.5	16924.1	16150.6	15741.6	15631.1
65°	18164.6	18174.3	18573.6	19488.5	20719.4	21490.9	20269.7	18874.1	17928.1	17325.3	17240.0
67.5°	19546.7	19587.4	20008.0	21109.0	22260.4	22956.3	21692.5	20114.6	19021.4	18302.2	18230.5
70°	19325.7	19484.7	19979.0	21264.1	22865.2	23857.7	21923.2	19967.3	18525.2	17676.1	17616.1
72.5°	16854.3	17158.6	17817.6	19504.0	22064.7	23431.2	20665.1	17883.6	16251.4	15528.4	15419.9
75°	11477.2	11971.5	12965.9	15398.5	18850.8	20287.2	17397.0	14258.8	12723.6	11723.4	11649.7
77.5°	5117.3	5229.8	6489.7	9290.7	13008.5	14568.9	12640.2	9327.5	7001.5	5584.5	5286.0
80°	1426.7	1444.1	1926.8	3460.0	6511.0	8559.9	6989.8	3634.5	2043.1	1440.2	1356.9
82.5°	453.6	492.4	600.9	897.5	2188.4	3905.8	2246.6	969.2	690.1	550.5	496.2
85°	221.0	219.0	304.3	364.4	558.3	864.5	595.1	449.7	393.5	261.7	236.5
87.5°	93.0	95.0	141.5	127.9	162.8	139.6	191.9	201.6	211.3	116.3	100.8
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)