

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: P316343

Luminaire Tested: **GAN-SA9D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316343
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-SA9D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 58059 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

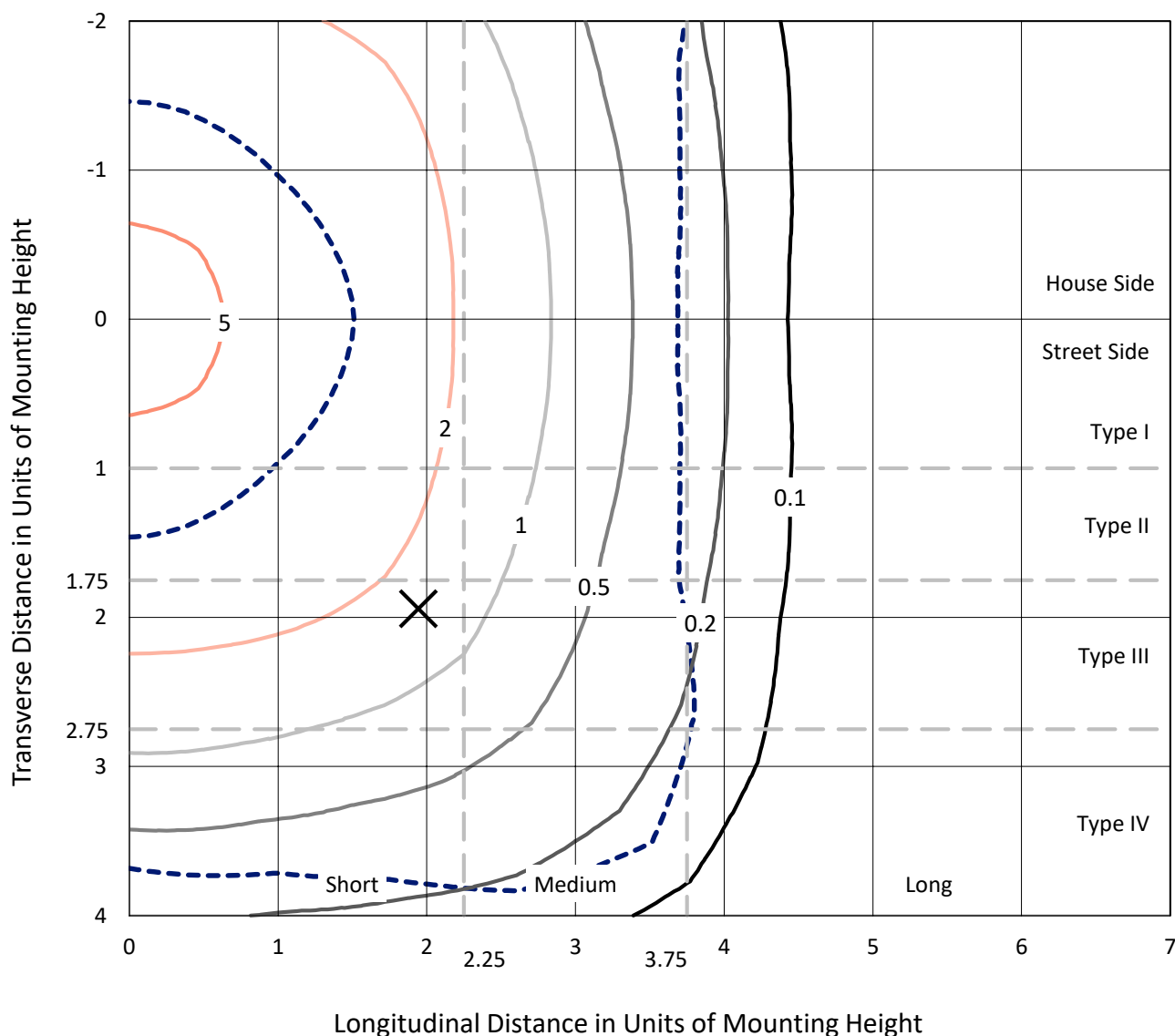
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

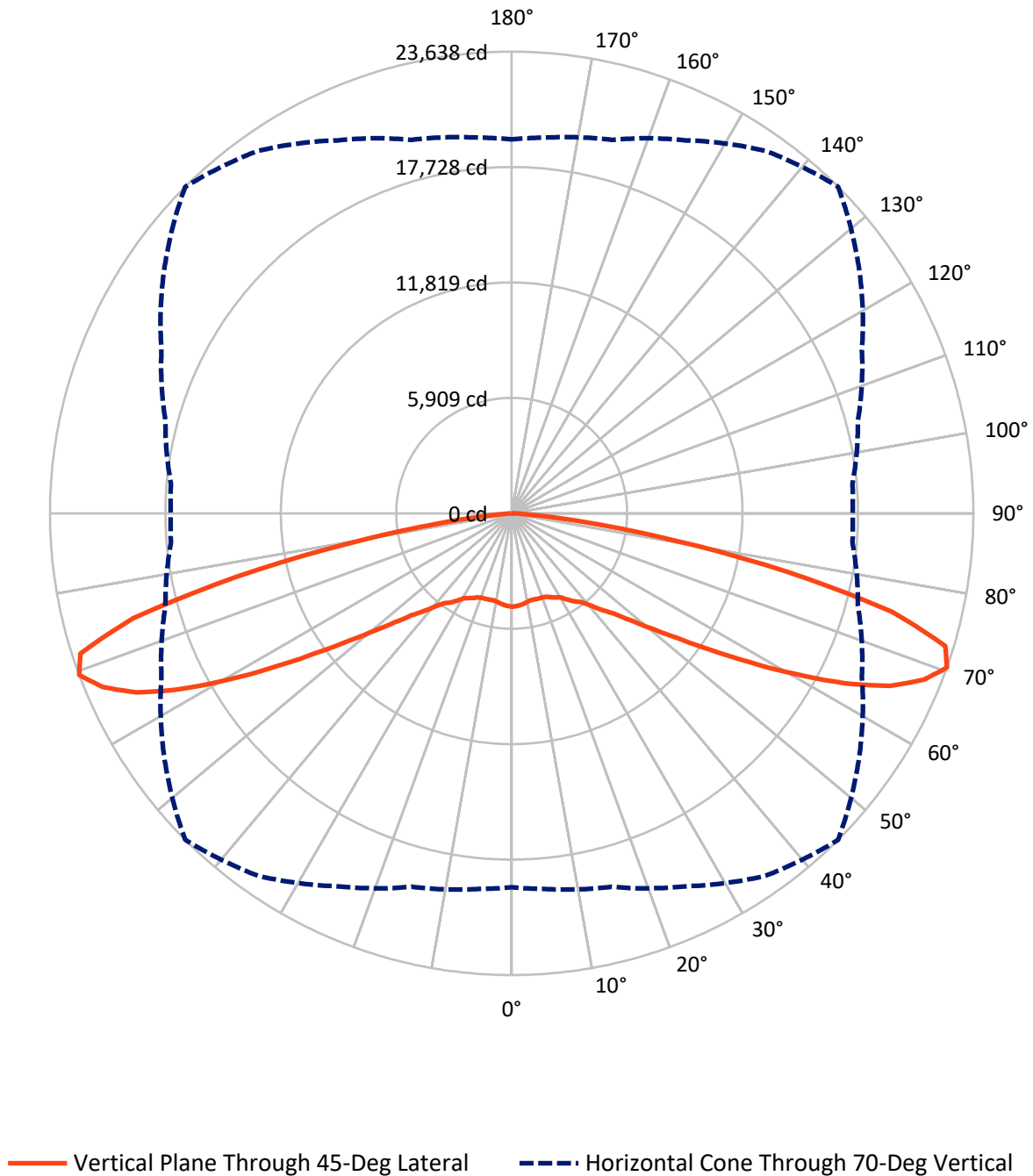
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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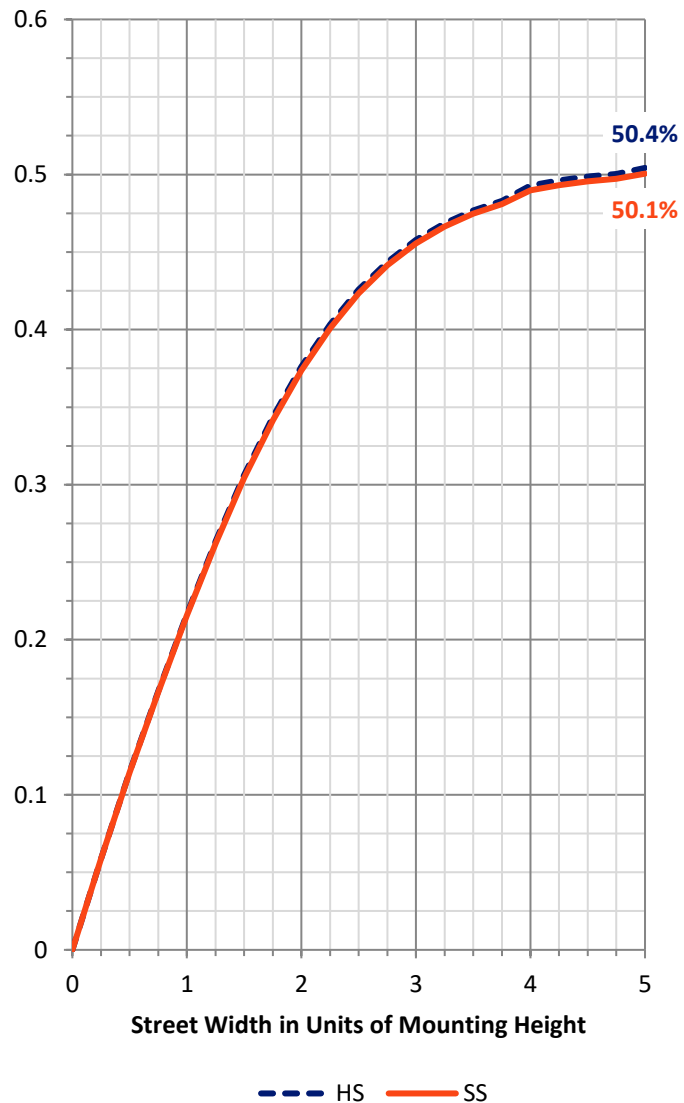
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29029.5	0.0	29029.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29029.5	0.0	29029.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58059.0	0.0	58059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.0	0.8
10°-20°	1302.7	2.2
20°-30°	2221.1	3.8
30°-40°	3470.5	6.0
40°-50°	5881.6	10.1
50°-60°	10725.6	18.5
60°-70°	18464.9	31.8
70°-80°	14473.5	24.9
80°-90°	1073.2	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°	58059.0	100.0
0°-180°	58059.0	100.0

Coefficient of Utilization



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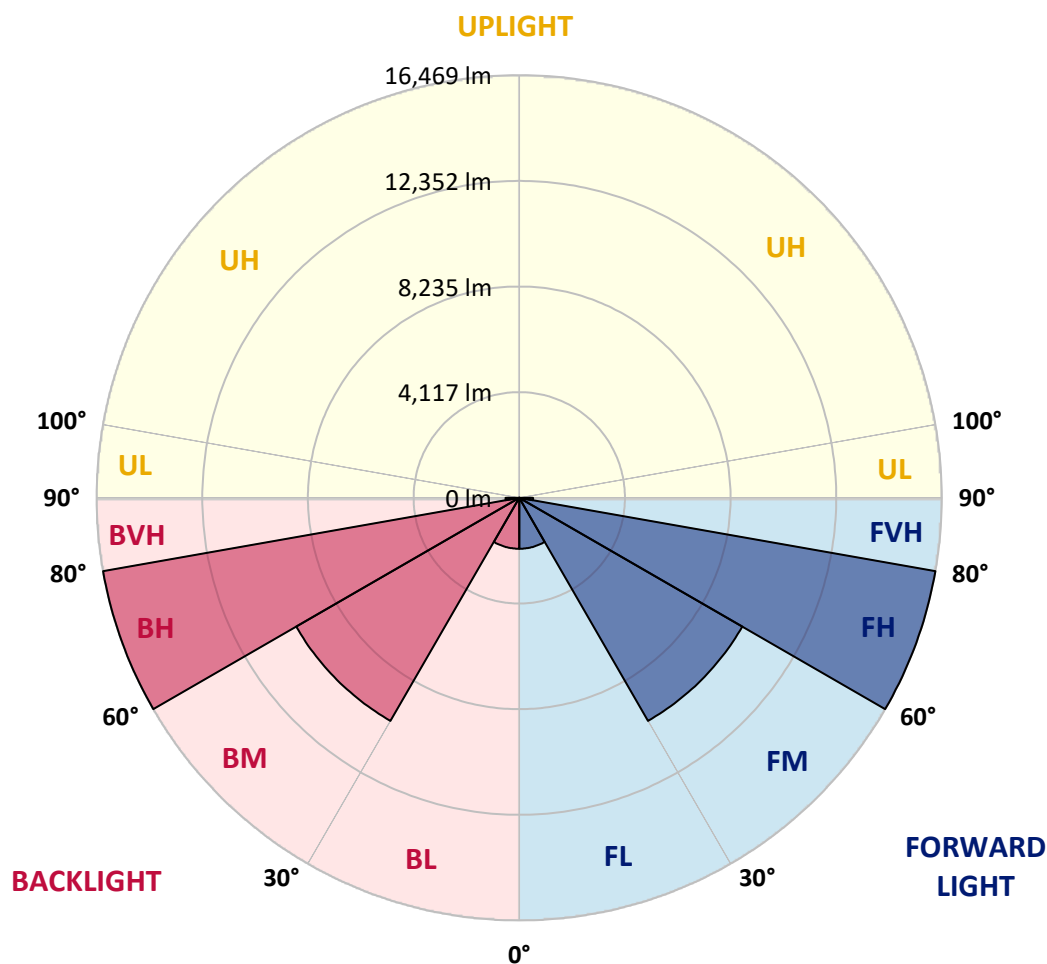
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1984.9	3.4			
FM	(30°-60°)	10038.9	17.3			
FH	(60°-80°)	16469.2	28.4			G5
FVH	(80°-90°)	536.6	0.9			G4/750
BL	(0°-30°)	1984.9	3.4	B3/2500		
BM	(30°-60°)	10038.9	17.3	B5		
BH	(60°-80°)	16469.2	28.4	B5		G5
BVH	(80°-90°)	536.6	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°	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3	4778.3
2.5°	4757.1	4762.9	4757.1	4761.0	4751.4	4755.2	4755.2	4755.2	4753.3	4755.2	4751.4
5°	4714.9	4718.7	4711.0	4714.9	4709.1	4714.9	4716.8	4714.9	4711.0	4713.0	4705.3
7.5°	4651.5	4655.4	4649.6	4655.4	4647.7	4657.3	4655.4	4649.6	4643.8	4643.8	4636.1
10°	4616.9	4618.9	4603.5	4597.7	4580.4	4584.3	4590.1	4595.8	4601.6	4613.1	4611.2
12.5°	4618.9	4618.9	4595.8	4570.8	4545.9	4551.6	4561.2	4582.4	4605.4	4626.5	4628.5
15°	4638.1	4636.1	4601.6	4561.2	4544.0	4561.2	4567.0	4580.4	4616.9	4653.4	4655.4
17.5°	4651.5	4651.5	4597.7	4551.6	4549.7	4576.6	4574.7	4580.4	4620.8	4674.6	4676.5
20°	4676.5	4676.5	4607.3	4557.4	4557.4	4586.2	4588.1	4597.7	4638.1	4697.6	4707.2
22.5°	4732.2	4734.1	4661.1	4620.8	4624.6	4641.9	4647.7	4663.0	4699.5	4764.8	4776.3
25°	4810.9	4814.8	4739.9	4716.8	4730.3	4762.9	4759.1	4770.6	4810.9	4874.3	4885.8
27.5°	4920.4	4910.8	4841.6	4832.0	4845.5	4868.5	4866.6	4868.5	4901.2	4958.8	4972.2
30°	5062.5	5058.7	5008.7	5014.5	5008.7	5001.0	5003.0	5018.3	5035.6	5081.7	5095.2
32.5°	5200.8	5204.6	5173.9	5202.7	5245.0	5273.8	5229.6	5187.3	5168.1	5193.1	5204.6
35°	5450.4	5460.0	5412.0	5392.8	5450.4	5535.0	5410.1	5341.0	5379.4	5412.0	5421.6
37.5°	5874.9	5880.6	5800.0	5723.2	5680.9	5761.6	5636.7	5642.5	5776.9	5838.4	5836.5
40°	6358.9	6360.8	6307.0	6239.8	6166.8	6186.0	6136.1	6151.4	6239.8	6295.5	6310.8
42.5°	6935.0	6929.3	6844.7	6748.7	6727.6	6746.8	6662.3	6650.8	6752.6	6852.4	6854.4
45°	7682.1	7668.7	7559.2	7453.6	7351.8	7309.5	7288.4	7344.1	7484.3	7576.5	7578.4
47.5°	8486.8	8450.3	8392.7	8308.2	8219.8	8177.6	8143.0	8169.9	8271.7	8308.2	8312.0
50°	9314.5	9322.2	9333.7	9301.1	9268.4	9255.0	9164.7	9112.9	9143.6	9076.4	9066.8
52.5°	10295.9	10311.3	10422.7	10516.8	10572.5	10601.3	10430.4	10251.8	10151.9	10021.3	9982.9
55°	11454.0	11479.0	11642.2	11903.4	12172.3	12314.4	12005.2	11671.0	11361.8	11117.9	11039.2
57.5°	12744.6	12788.8	13013.5	13514.7	14065.9	14402.0	13879.6	13272.7	12675.5	12324.0	12262.5
60°	14258.0	14300.2	14611.3	15329.6	16222.7	16727.8	15936.5	14943.6	14200.4	13864.3	13751.0
62.5°	16059.4	16063.3	16445.4	17284.7	18463.9	19166.8	18095.2	16768.1	16001.8	15596.6	15487.1
65°	17997.2	18006.8	18402.5	19308.9	20528.5	21292.8	20082.9	18700.1	17762.9	17165.6	17081.1
67.5°	19366.6	19406.9	19823.6	20914.5	22055.3	22744.8	21492.6	19929.3	18846.1	18133.6	18062.5
70°	19147.6	19305.1	19794.8	21068.1	22654.5	23637.8	21721.1	19783.3	18354.4	17513.3	17453.7
72.5°	16699.0	17000.5	17653.5	19324.3	21861.3	23215.3	20474.7	17718.8	16101.7	15385.3	15277.8
75°	11371.4	11861.2	12846.4	15256.6	18677.1	20100.2	17236.7	14127.4	12606.3	11615.3	11542.3
77.5°	5070.2	5181.6	6429.9	9205.1	12888.6	14434.7	12523.7	9241.6	6936.9	5533.0	5237.3
80°	1413.5	1430.8	1909.0	3428.1	6451.0	8481.0	6925.4	3601.0	2024.2	1426.9	1344.4
82.5°	449.4	487.8	595.4	889.2	2168.3	3869.9	2225.9	960.3	683.7	545.4	491.7
85°	218.9	217.0	301.5	361.1	553.1	856.6	589.6	445.6	389.9	259.3	234.3
87.5°	92.2	94.1	140.2	126.8	161.3	138.3	190.1	199.7	209.3	115.2	99.9
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)