

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: P316104

Luminaire Tested: **GAN-SA0D-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316104
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-SA0D-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 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: 67650 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

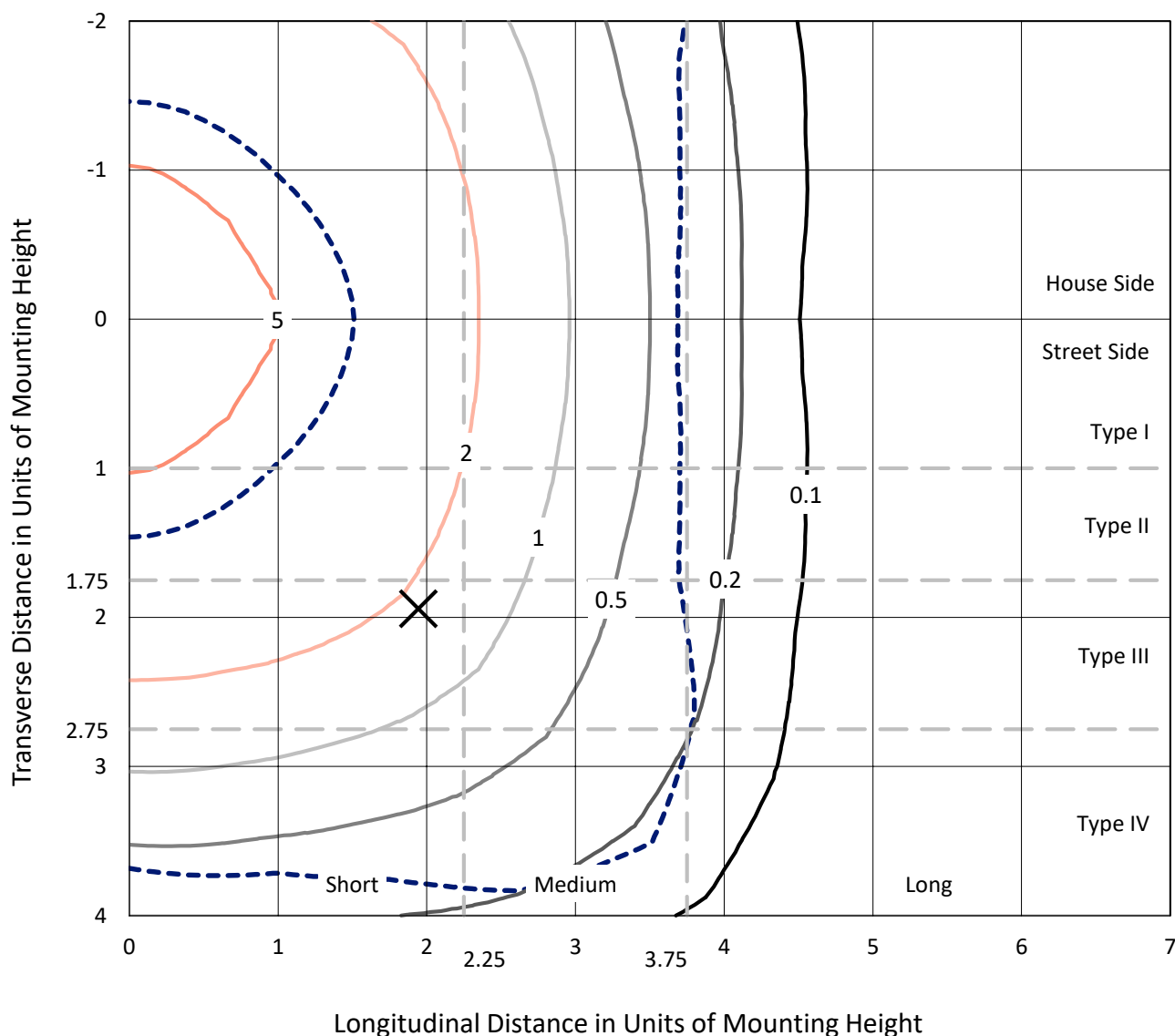
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

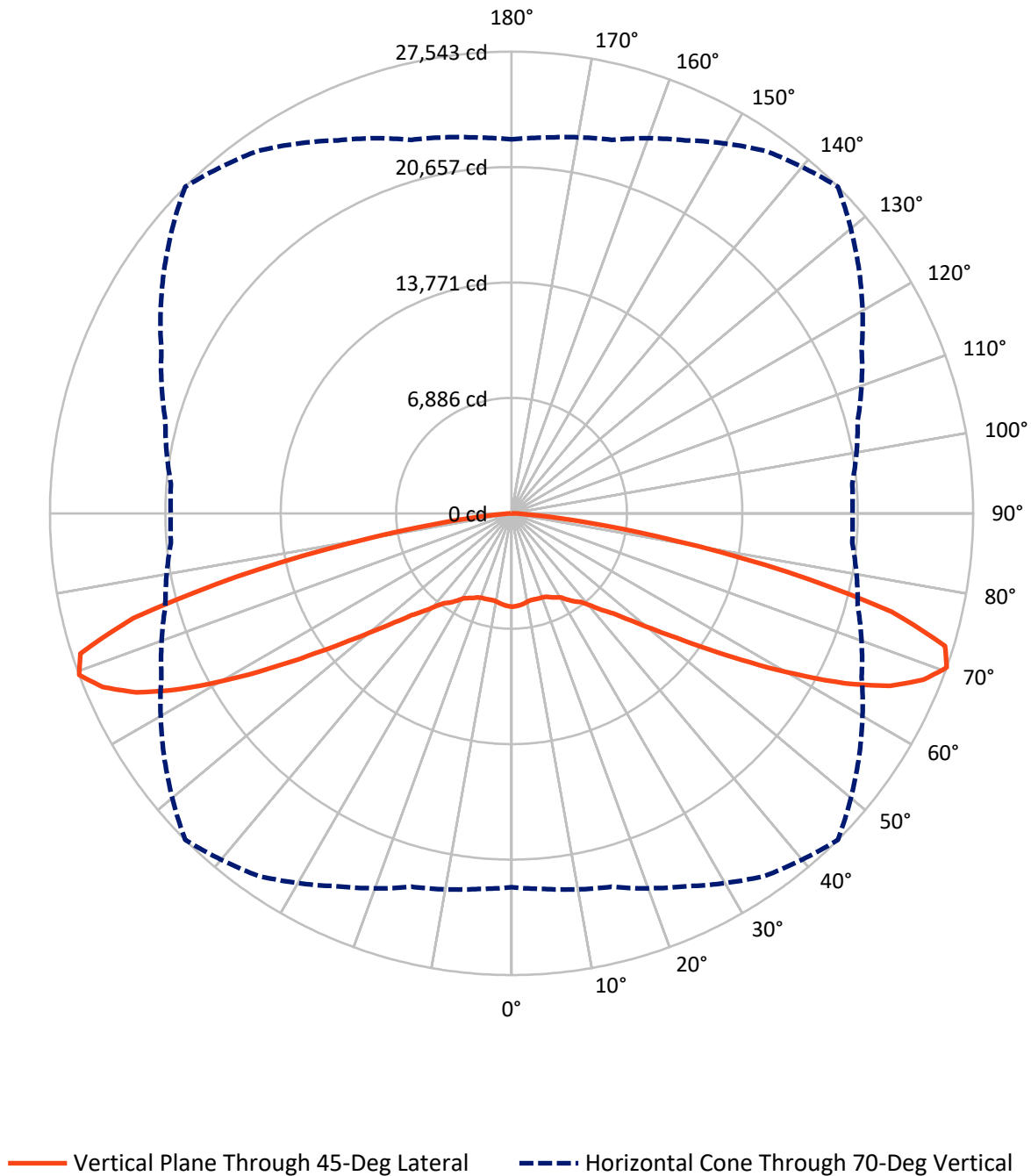
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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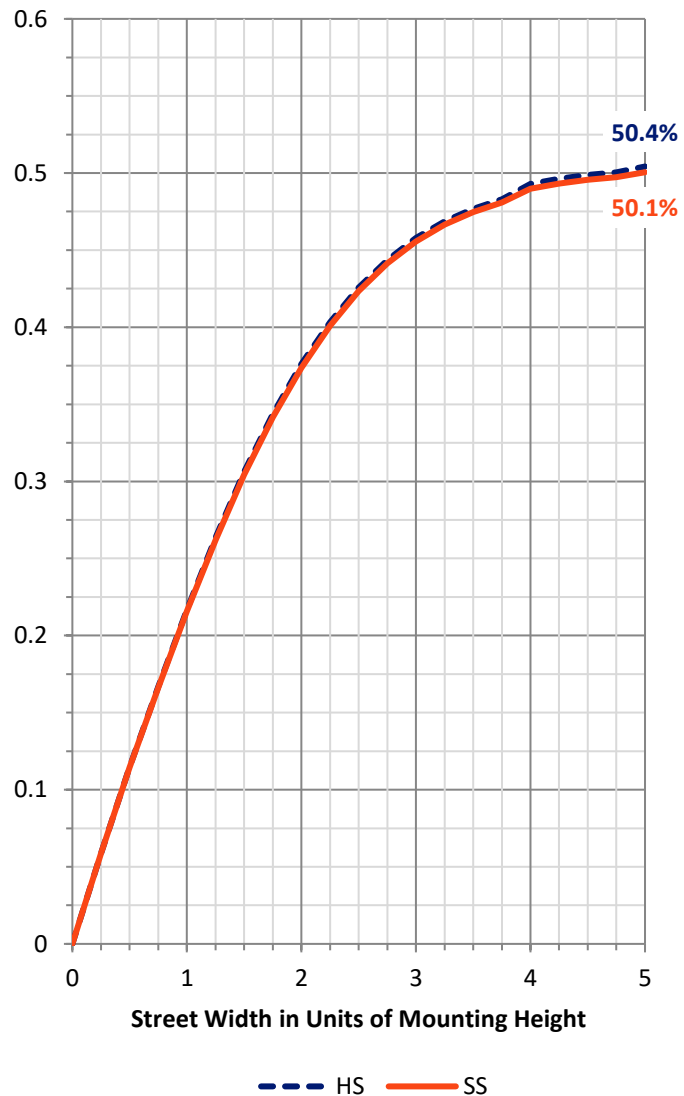
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33825.0	0.0	33825.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33825.0	0.0	33825.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	67650.0	0.0	67650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.7	0.8
10°-20°	1517.9	2.2
20°-30°	2588.0	3.8
30°-40°	4043.8	6.0
40°-50°	6853.2	10.1
50°-60°	12497.4	18.5
60°-70°	21515.2	31.8
70°-80°	16864.4	24.9
80°-90°	1250.5	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°	67650.0	100.0
0°-180°	67650.0	100.0

Coefficient of Utilization



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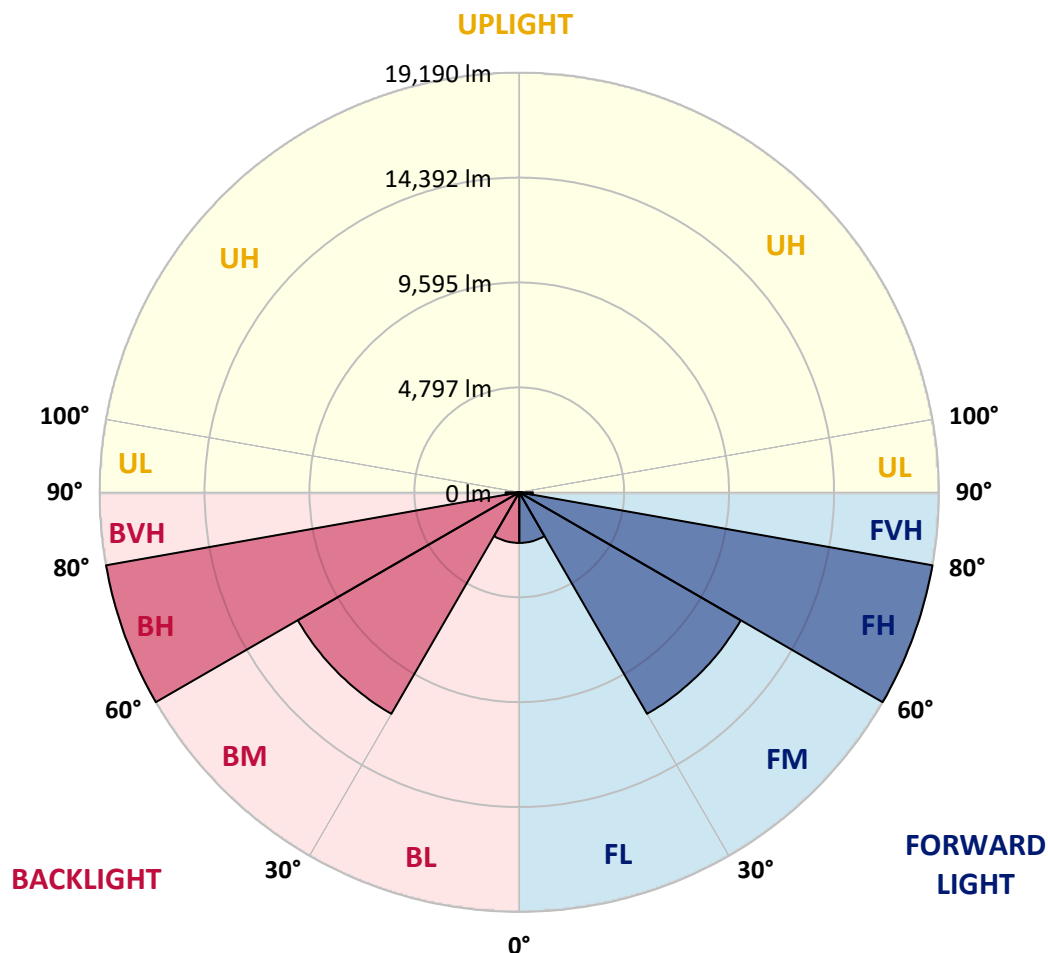
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2312.8	3.4			
FM	(30°-60°)	11697.2	17.3			
FH	(60°-80°)	19189.8	28.4			G5
FVH	(80°-90°)	625.2	0.9			G4/750
BL	(0°-30°)	2312.8	3.4	B3/2500		
BM	(30°-60°)	11697.2	17.3	B5		
BH	(60°-80°)	19189.8	28.4	B5		G5
BVH	(80°-90°)	625.2	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°	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6	5567.6
2.5°	5543.0	5549.7	5543.0	5547.5	5536.3	5540.8	5540.8	5540.8	5538.5	5540.8	5536.3
5°	5493.8	5498.2	5489.3	5493.8	5487.0	5493.8	5496.0	5493.8	5489.3	5491.5	5482.6
7.5°	5419.9	5424.4	5417.7	5424.4	5415.4	5426.6	5424.4	5417.7	5411.0	5411.0	5402.0
10°	5379.6	5381.9	5364.0	5357.3	5337.1	5341.6	5348.3	5355.0	5361.7	5375.2	5372.9
12.5°	5381.9	5381.9	5355.0	5325.9	5296.8	5303.5	5314.7	5339.4	5366.2	5390.8	5393.1
15°	5404.2	5402.0	5361.7	5314.7	5294.6	5314.7	5321.4	5337.1	5379.6	5422.1	5424.4
17.5°	5419.9	5419.9	5357.3	5303.5	5301.3	5332.6	5330.4	5337.1	5384.1	5446.8	5449.0
20°	5449.0	5449.0	5368.4	5310.3	5310.3	5343.8	5346.1	5357.3	5404.2	5473.6	5484.8
22.5°	5513.9	5516.1	5431.1	5384.1	5388.6	5408.7	5415.4	5433.3	5475.9	5551.9	5565.4
25°	5605.6	5610.1	5522.8	5496.0	5511.7	5549.7	5545.2	5558.7	5605.6	5679.5	5692.9
27.5°	5733.2	5722.0	5641.5	5630.3	5645.9	5672.8	5670.5	5672.8	5710.8	5778.0	5793.6
30°	5898.8	5894.3	5836.1	5842.9	5836.1	5827.2	5829.4	5847.3	5867.5	5921.2	5936.8
32.5°	6059.9	6064.4	6028.6	6062.2	6111.4	6145.0	6093.5	6044.3	6021.9	6051.0	6064.4
35°	6350.8	6362.0	6306.1	6283.7	6350.8	6449.3	6303.8	6223.3	6268.0	6306.1	6317.3
37.5°	6845.4	6852.1	6758.1	6668.6	6619.4	6713.3	6567.9	6574.6	6731.3	6802.9	6800.6
40°	7409.3	7411.5	7348.9	7270.6	7185.5	7207.9	7149.7	7167.6	7270.6	7335.5	7353.4
42.5°	8080.6	8073.9	7975.5	7863.6	7839.0	7861.3	7762.9	7749.4	7868.0	7984.4	7986.6
45°	8951.1	8935.5	8807.9	8684.8	8566.2	8517.0	8492.4	8557.3	8720.6	8828.1	8830.3
47.5°	9888.8	9846.2	9779.1	9680.6	9577.7	9528.5	9488.2	9519.5	9638.1	9680.6	9685.1
50°	10853.2	10862.2	10875.6	10837.6	10799.5	10783.9	10678.7	10618.3	10654.1	10575.8	10564.6
52.5°	11996.8	12014.7	12144.4	12254.1	12319.0	12352.6	12153.4	11945.3	11828.9	11676.8	11632.0
55°	13346.1	13375.2	13565.4	13869.8	14183.1	14348.7	13988.4	13599.0	13238.7	12954.5	12862.8
57.5°	14849.9	14901.4	15163.2	15747.3	16389.5	16781.1	16172.5	15465.3	14769.4	14359.9	14288.2
60°	16613.3	16662.5	17025.1	17862.0	18902.6	19491.1	18569.1	17412.2	16546.2	16154.6	16022.5
62.5°	18712.3	18716.8	19162.1	20140.0	21514.0	22333.1	21084.4	19538.1	18645.2	18173.0	18045.5
65°	20970.3	20981.5	21442.4	22498.7	23919.7	24810.3	23400.5	21789.3	20697.3	20001.3	19902.8
67.5°	22565.8	22612.8	23098.4	24369.5	25698.7	26502.1	25043.0	23221.5	21959.4	21129.1	21046.3
70°	22310.7	22494.2	23064.8	24548.5	26396.9	27542.6	25309.3	23051.4	21386.5	20406.3	20337.0
72.5°	19457.5	19808.9	20569.7	22516.6	25472.7	27050.3	23857.0	20645.8	18761.6	17926.9	17801.6
75°	13249.9	13820.5	14968.5	17776.9	21762.4	23420.6	20084.1	16461.1	14688.8	13534.1	13449.1
77.5°	5907.7	6037.5	7492.1	10725.7	15017.8	16819.2	14592.6	10768.2	8082.9	6447.1	6102.4
80°	1647.0	1667.1	2224.4	3994.4	7516.7	9882.1	8069.4	4195.8	2358.6	1662.7	1566.4
82.5°	523.6	568.4	693.7	1036.1	2526.5	4509.1	2593.6	1118.9	796.7	635.5	572.9
85°	255.1	252.9	351.3	420.7	644.5	998.1	687.0	519.2	454.3	302.1	273.0
87.5°	107.4	109.7	163.4	147.7	188.0	161.1	221.5	232.7	243.9	134.3	116.4
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)