

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: P316252

Luminaire Tested: **GAN-SA8C-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316252
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-SA8C-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 59707 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

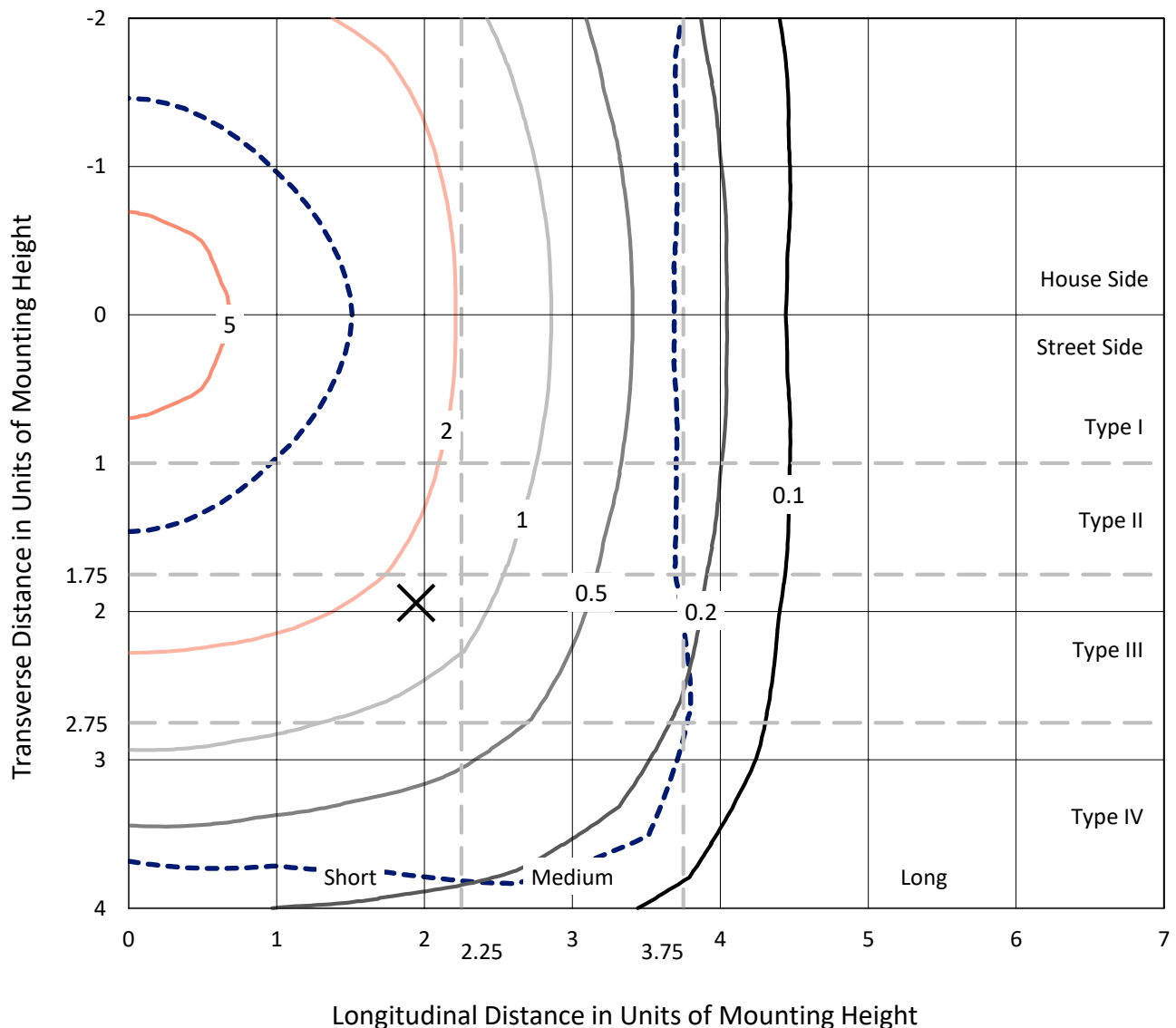
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

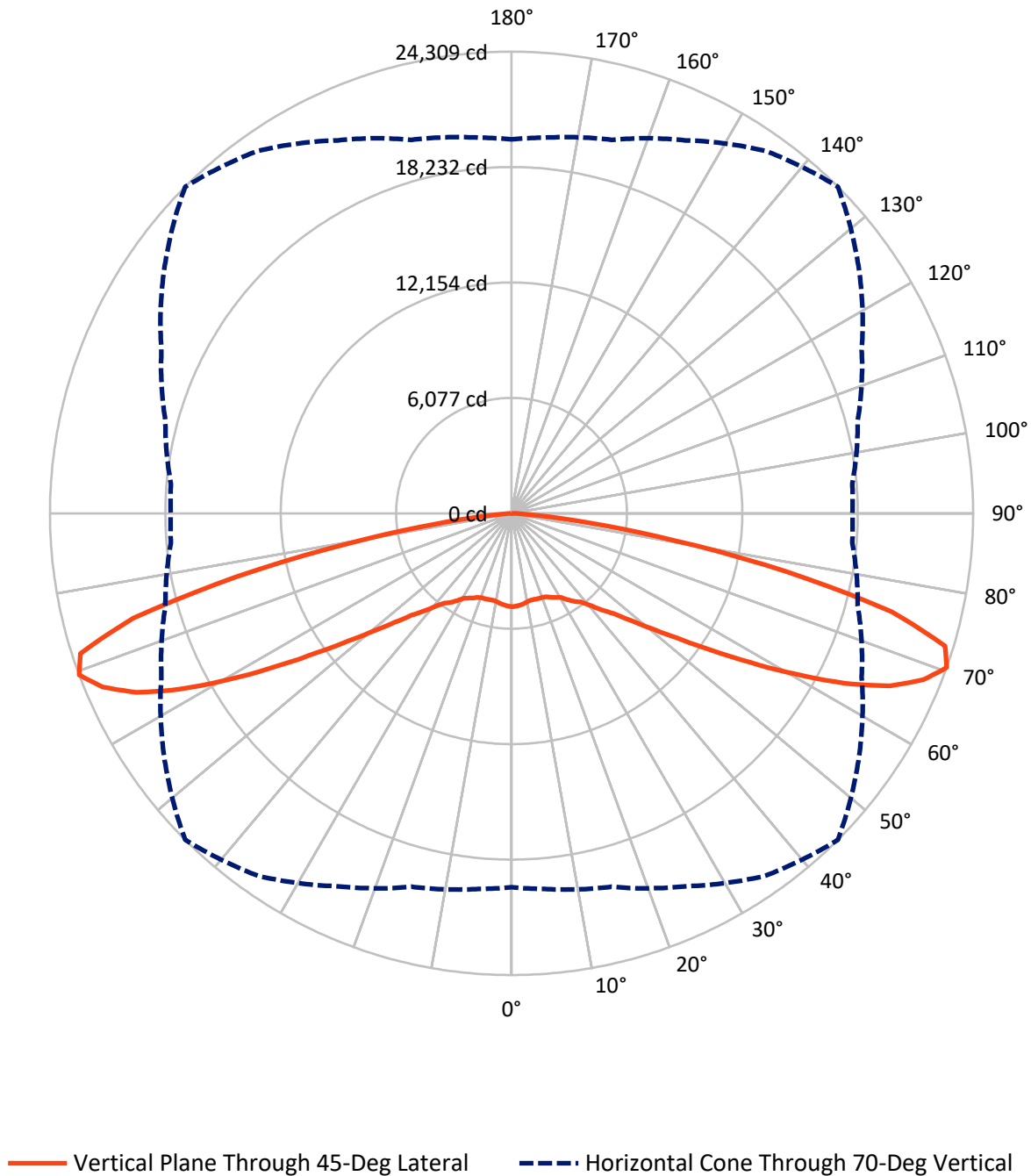
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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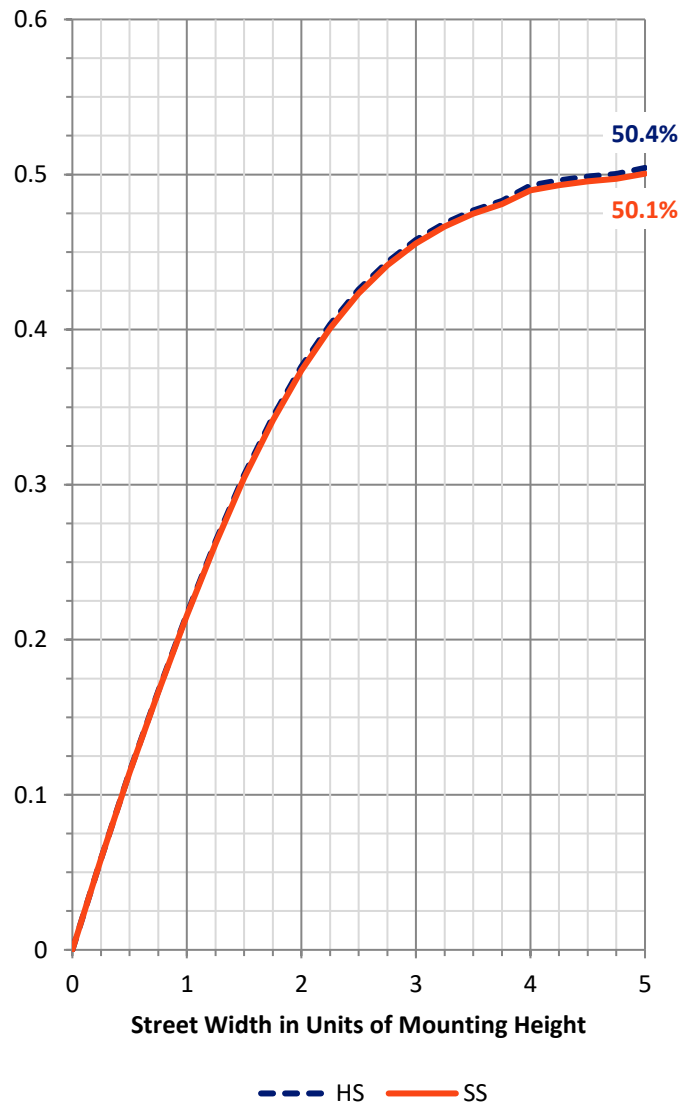
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29853.5	0.0	29853.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29853.5	0.0	29853.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59707.0	0.0	59707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.6	0.8
10°-20°	1339.7	2.2
20°-30°	2284.1	3.8
30°-40°	3569.0	6.0
40°-50°	6048.6	10.1
50°-60°	11030.1	18.5
60°-70°	18989.0	31.8
70°-80°	14884.3	24.9
80°-90°	1103.7	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°	59707.0	100.0
0°-180°	59707.0	100.0

Coefficient of Utilization



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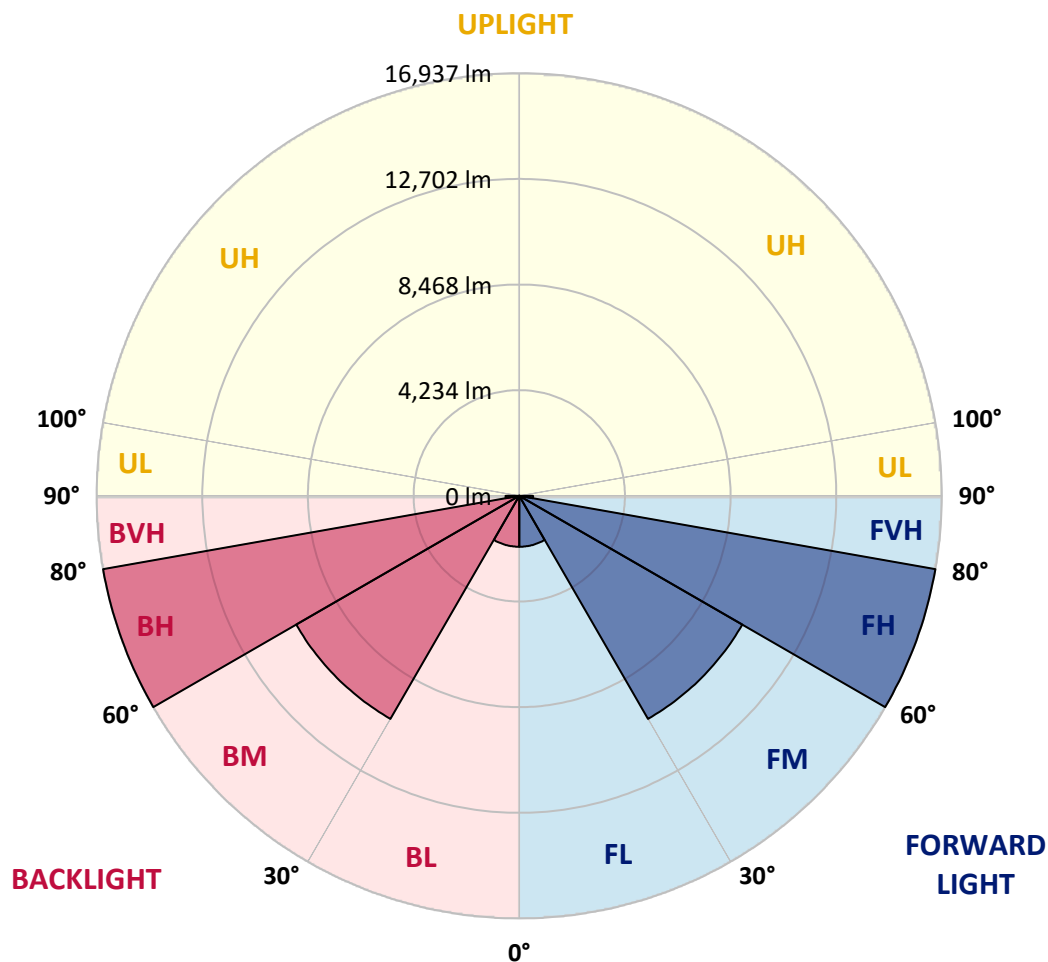
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2041.2	3.4			
FM	(30°-60°)	10323.8	17.3			
FH	(60°-80°)	16936.7	28.4			G5
FVH	(80°-90°)	551.8	0.9			G4/750
BL	(0°-30°)	2041.2	3.4	B3/2500		
BM	(30°-60°)	10323.8	17.3	B5		
BH	(60°-80°)	16936.7	28.4	B5		G5
BVH	(80°-90°)	551.8	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°	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9	4913.9
2.5°	4892.2	4898.1	4892.2	4896.1	4886.2	4890.2	4890.2	4890.2	4888.2	4890.2	4886.2
5°	4848.7	4852.7	4844.8	4848.7	4842.8	4848.7	4850.7	4848.7	4844.8	4846.7	4838.8
7.5°	4783.5	4787.5	4781.6	4787.5	4779.6	4789.5	4787.5	4781.6	4775.6	4775.6	4767.7
10°	4748.0	4750.0	4734.2	4728.2	4710.5	4714.4	4720.3	4726.3	4732.2	4744.0	4742.1
12.5°	4750.0	4750.0	4726.3	4700.6	4674.9	4680.8	4690.7	4712.4	4736.1	4757.9	4759.8
15°	4769.7	4767.7	4732.2	4690.7	4672.9	4690.7	4696.6	4710.5	4748.0	4785.5	4787.5
17.5°	4783.5	4783.5	4728.2	4680.8	4678.9	4706.5	4704.5	4710.5	4751.9	4807.2	4809.2
20°	4809.2	4809.2	4738.1	4686.8	4686.8	4716.4	4718.4	4728.2	4769.7	4830.9	4840.8
22.5°	4866.5	4868.5	4793.4	4751.9	4755.9	4773.7	4779.6	4795.4	4832.9	4900.1	4911.9
25°	4947.5	4951.4	4874.4	4850.7	4864.5	4898.1	4894.1	4906.0	4947.5	5012.6	5024.5
27.5°	5060.0	5050.2	4979.1	4969.2	4983.0	5006.7	5004.7	5006.7	5040.3	5099.5	5113.4
30°	5206.2	5202.2	5150.9	5156.8	5150.9	5143.0	5145.0	5160.8	5178.5	5226.0	5239.8
32.5°	5348.4	5352.4	5320.8	5350.4	5393.8	5423.5	5378.0	5334.6	5314.8	5340.5	5352.4
35°	5605.2	5615.0	5565.7	5545.9	5605.2	5692.1	5563.7	5492.6	5532.1	5565.7	5575.5
37.5°	6041.6	6047.6	5964.6	5885.6	5842.2	5925.1	5796.7	5802.7	5940.9	6004.1	6002.1
40°	6539.4	6541.3	6486.0	6416.9	6341.8	6361.6	6310.2	6326.0	6416.9	6474.2	6490.0
42.5°	7131.9	7125.9	7039.0	6940.3	6918.6	6938.3	6851.4	6839.6	6944.2	7046.9	7048.9
45°	7900.2	7886.3	7773.7	7665.1	7560.4	7517.0	7495.3	7552.5	7696.7	7791.5	7793.5
47.5°	8727.7	8690.2	8630.9	8544.0	8453.2	8409.7	8374.2	8401.8	8506.5	8544.0	8548.0
50°	9578.9	9586.8	9598.7	9565.1	9531.5	9517.7	9424.9	9371.6	9403.2	9334.0	9324.2
52.5°	10588.2	10604.0	10718.5	10815.3	10872.6	10902.2	10726.4	10542.8	10440.1	10305.7	10266.2
55°	11779.1	11804.8	11972.7	12241.3	12517.8	12663.9	12346.0	12002.3	11684.3	11433.5	11352.5
57.5°	13106.4	13151.8	13382.9	13898.3	14465.2	14810.8	14273.6	13649.5	13035.3	12673.8	12610.6
60°	14662.7	14706.1	15026.1	15764.8	16683.1	17202.6	16388.9	15367.8	14603.4	14257.8	14141.3
62.5°	16515.3	16519.2	16912.2	17775.3	18988.0	19710.9	18608.8	17244.1	16456.0	16039.3	15926.7
65°	18508.1	18518.0	18924.8	19857.0	21111.2	21897.2	20653.0	19230.9	18267.1	17652.9	17566.0
67.5°	19916.3	19957.8	20386.3	21508.2	22681.3	23390.4	22102.6	20495.0	19381.0	18648.3	18575.2
70°	19691.1	19853.1	20356.7	21666.2	23297.5	24308.8	22337.7	20344.9	18875.4	18010.4	17949.1
72.5°	17173.0	17483.0	18154.5	19872.8	22481.9	23874.3	21055.9	18221.7	16558.7	15822.0	15711.4
75°	11694.2	12197.8	13211.0	15689.7	19207.2	20670.7	17726.0	14528.4	12964.1	11945.0	11870.0
77.5°	5214.1	5328.7	6612.4	9466.4	13254.5	14844.4	12879.2	9503.9	7133.8	5690.1	5385.9
80°	1453.6	1471.4	1963.2	3525.4	6634.2	8721.8	7122.0	3703.2	2081.7	1467.5	1382.5
82.5°	462.2	501.7	612.3	914.4	2229.8	3979.7	2289.1	987.5	703.1	560.9	505.6
85°	225.2	223.2	310.1	371.3	568.8	880.9	606.3	458.2	400.9	266.6	241.0
87.5°	94.8	96.8	144.2	130.4	165.9	142.2	195.5	205.4	215.3	118.5	102.7
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)