

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: P316093

Luminaire Tested: **GAN-SA9C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316093
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 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: 55699 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

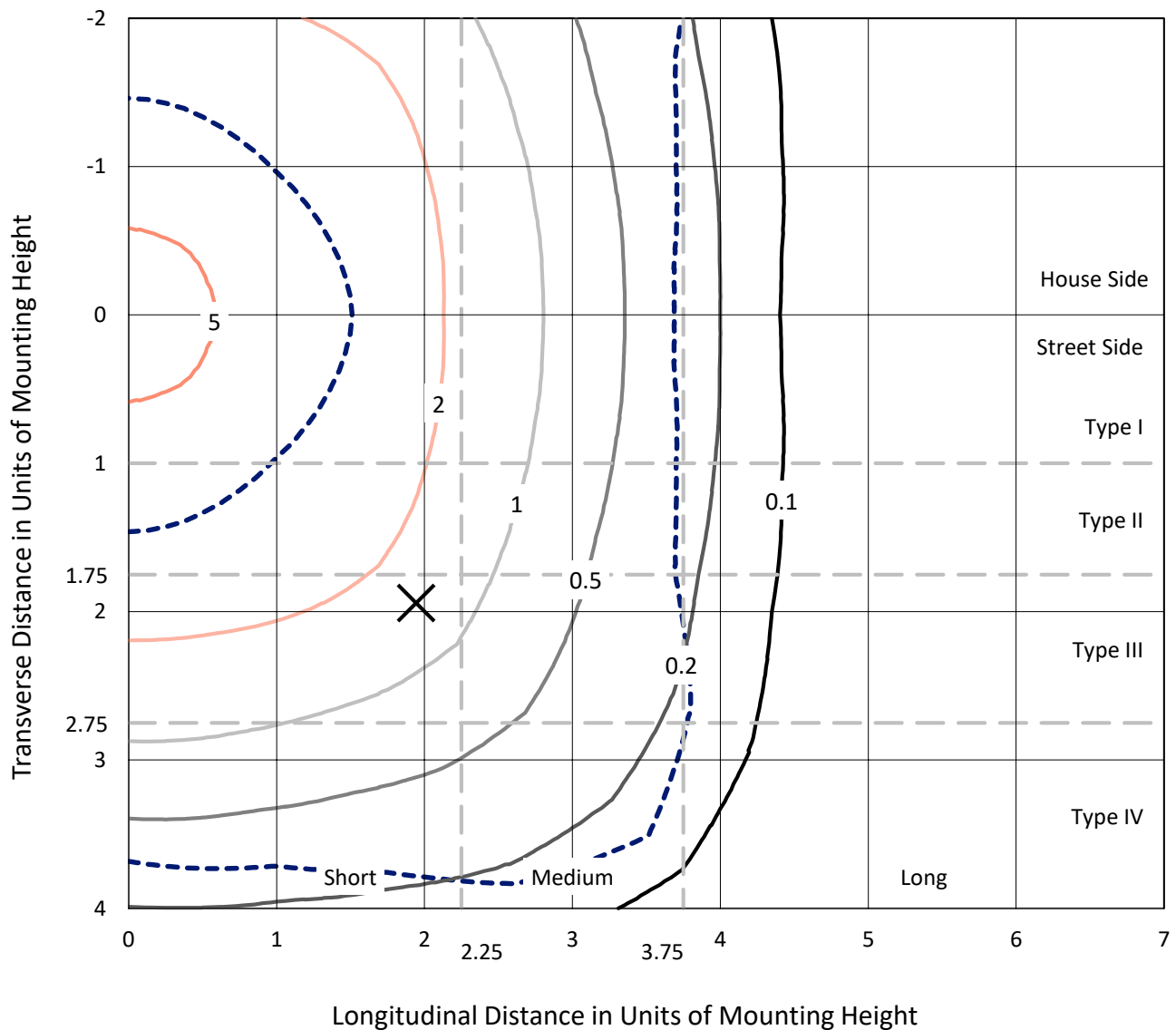
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

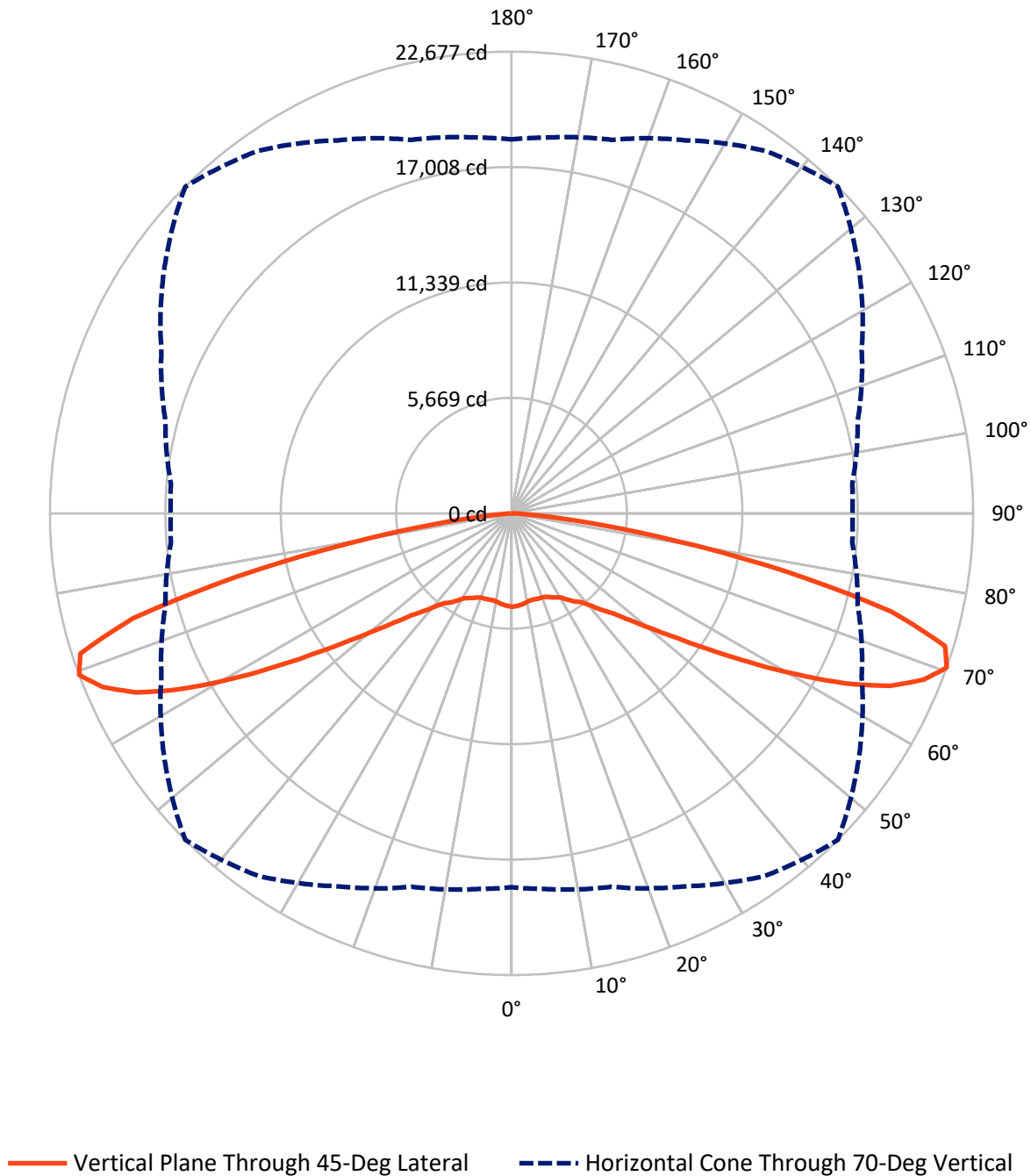
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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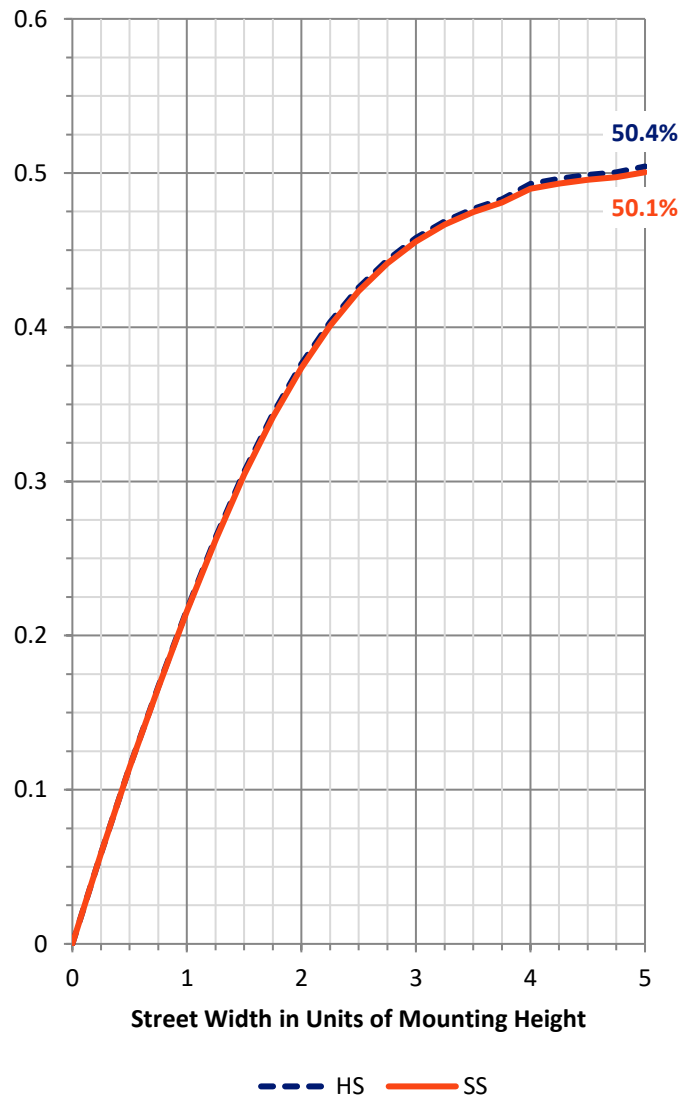
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27849.5	0.0	27849.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27849.5	0.0	27849.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55699.0	0.0	55699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.8	0.8
10°-20°	1249.7	2.2
20°-30°	2130.8	3.8
30°-40°	3329.4	6.0
40°-50°	5642.6	10.1
50°-60°	10289.6	18.5
60°-70°	17714.3	31.8
70°-80°	13885.1	24.9
80°-90°	1029.6	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°	55699.0	100.0
0°-180°	55699.0	100.0

Coefficient of Utilization



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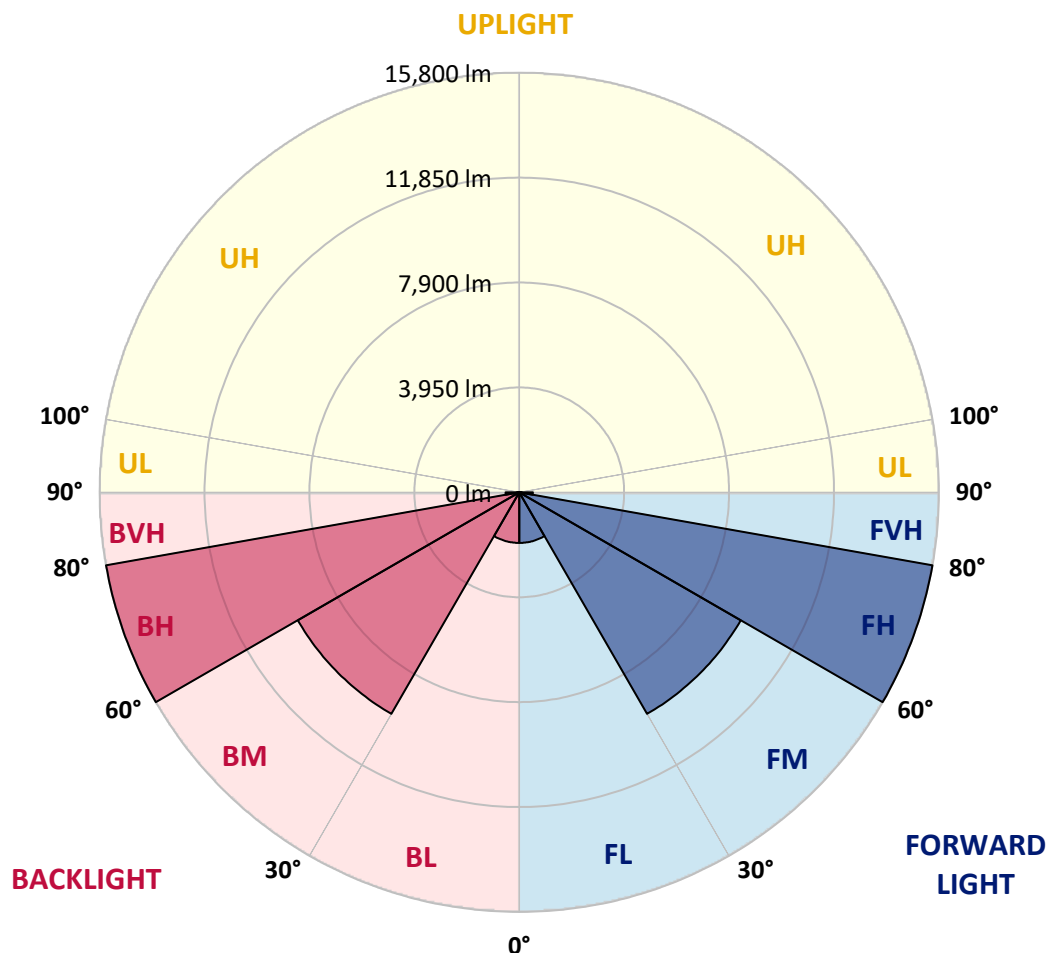
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1904.2	3.4			
FM	(30°-60°)	9630.8	17.3			
FH	(60°-80°)	15799.7	28.4			G5
FVH	(80°-90°)	514.8	0.9			G4/750
BL	(0°-30°)	1904.2	3.4	B3/2500		
BM	(30°-60°)	9630.8	17.3	B5		
BH	(60°-80°)	15799.7	28.4	B5		G5
BVH	(80°-90°)	514.8	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°	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0	4584.0
2.5°	4563.8	4569.3	4563.8	4567.5	4558.2	4561.9	4561.9	4561.9	4560.1	4561.9	4558.2
5°	4523.2	4526.9	4519.5	4523.2	4517.7	4523.2	4525.1	4523.2	4519.5	4521.4	4514.0
7.5°	4462.4	4466.1	4460.6	4466.1	4458.7	4468.0	4466.1	4460.6	4455.1	4455.1	4447.7
10°	4429.3	4431.1	4416.4	4410.8	4394.3	4397.9	4403.5	4409.0	4414.5	4425.6	4423.7
12.5°	4431.1	4431.1	4409.0	4385.0	4361.1	4366.6	4375.8	4396.1	4418.2	4438.5	4440.3
15°	4449.5	4447.7	4414.5	4375.8	4359.3	4375.8	4381.4	4394.3	4429.3	4464.3	4466.1
17.5°	4462.4	4462.4	4410.8	4366.6	4364.8	4390.6	4388.7	4394.3	4433.0	4484.5	4486.4
20°	4486.4	4486.4	4420.1	4372.2	4372.2	4399.8	4401.6	4410.8	4449.5	4506.7	4515.9
22.5°	4539.8	4541.7	4471.6	4433.0	4436.6	4453.2	4458.7	4473.5	4508.5	4571.1	4582.2
25°	4615.4	4619.0	4547.2	4525.1	4538.0	4569.3	4565.6	4576.7	4615.4	4676.2	4687.2
27.5°	4720.4	4711.2	4644.8	4635.6	4648.5	4670.6	4668.8	4670.6	4702.0	4757.2	4770.1
30°	4856.7	4853.0	4805.1	4810.7	4805.1	4797.8	4799.6	4814.3	4830.9	4875.1	4888.0
32.5°	4989.4	4993.1	4963.6	4991.2	5031.8	5059.4	5017.0	4976.5	4958.1	4982.0	4993.1
35°	5228.9	5238.1	5192.0	5173.6	5228.9	5310.0	5190.2	5123.9	5160.7	5192.0	5201.3
37.5°	5636.1	5641.6	5564.2	5490.5	5450.0	5527.4	5407.6	5413.1	5542.1	5601.1	5599.2
40°	6100.4	6102.2	6050.6	5986.1	5916.1	5934.6	5886.7	5901.4	5986.1	6039.6	6054.3
42.5°	6653.1	6647.6	6566.5	6474.4	6454.1	6472.6	6391.5	6380.4	6478.1	6573.9	6575.7
45°	7369.8	7356.9	7251.9	7150.6	7052.9	7012.4	6992.1	7045.6	7180.1	7268.5	7270.3
47.5°	8141.8	8106.8	8051.5	7970.5	7885.7	7845.2	7812.0	7837.8	7935.5	7970.5	7974.2
50°	8935.9	8943.3	8954.3	8923.0	8891.7	8878.8	8792.2	8742.5	8771.9	8707.5	8698.2
52.5°	9877.4	9892.2	9999.0	10089.3	10142.7	10170.4	10006.4	9835.0	9739.2	9613.9	9577.1
55°	10988.4	11012.4	11169.0	11419.6	11677.5	11813.8	11517.2	11196.6	10900.0	10666.0	10590.4
57.5°	12226.6	12268.9	12484.5	12965.4	13494.2	13816.6	13315.4	12733.2	12160.2	11823.1	11764.1
60°	13678.4	13718.9	14017.4	14706.5	15563.2	16047.8	15288.7	14336.2	13623.1	13300.7	13192.0
62.5°	15406.6	15410.3	15777.0	16582.1	17713.4	18387.7	17359.6	16086.5	15351.4	14962.6	14857.6
65°	17265.7	17274.9	17654.4	18524.1	19694.0	20427.3	19266.6	17940.0	17040.9	16467.9	16386.8
67.5°	18579.3	18618.0	19017.9	20064.4	21158.8	21820.2	20618.9	19119.2	18080.0	17396.5	17328.3
70°	18369.3	18520.4	18990.2	20211.8	21733.6	22677.0	20838.2	18979.2	17608.4	16801.4	16744.3
72.5°	16020.2	16309.4	16935.9	18538.8	20972.7	22271.6	19642.4	16998.5	15447.2	14759.9	14656.8
75°	10909.2	11379.0	12324.2	14636.5	17917.9	19283.2	16536.1	13553.1	12093.9	11143.2	11073.2
77.5°	4864.1	4971.0	6168.5	8830.9	12364.7	13847.9	12014.7	8865.9	6655.0	5308.1	5024.4
80°	1356.0	1372.6	1831.4	3288.8	6188.8	8136.3	6643.9	3454.6	1942.0	1368.9	1289.7
82.5°	431.1	468.0	571.2	853.1	2080.1	3712.6	2135.4	921.2	655.9	523.3	471.7
85°	210.0	208.2	289.3	346.4	530.6	821.7	565.6	427.5	374.0	248.7	224.8
87.5°	88.4	90.3	134.5	121.6	154.8	132.7	182.4	191.6	200.8	110.5	95.8
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)