

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: P317192

Luminaire Tested: **GAN-SA8A-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8A-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38177 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 257
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



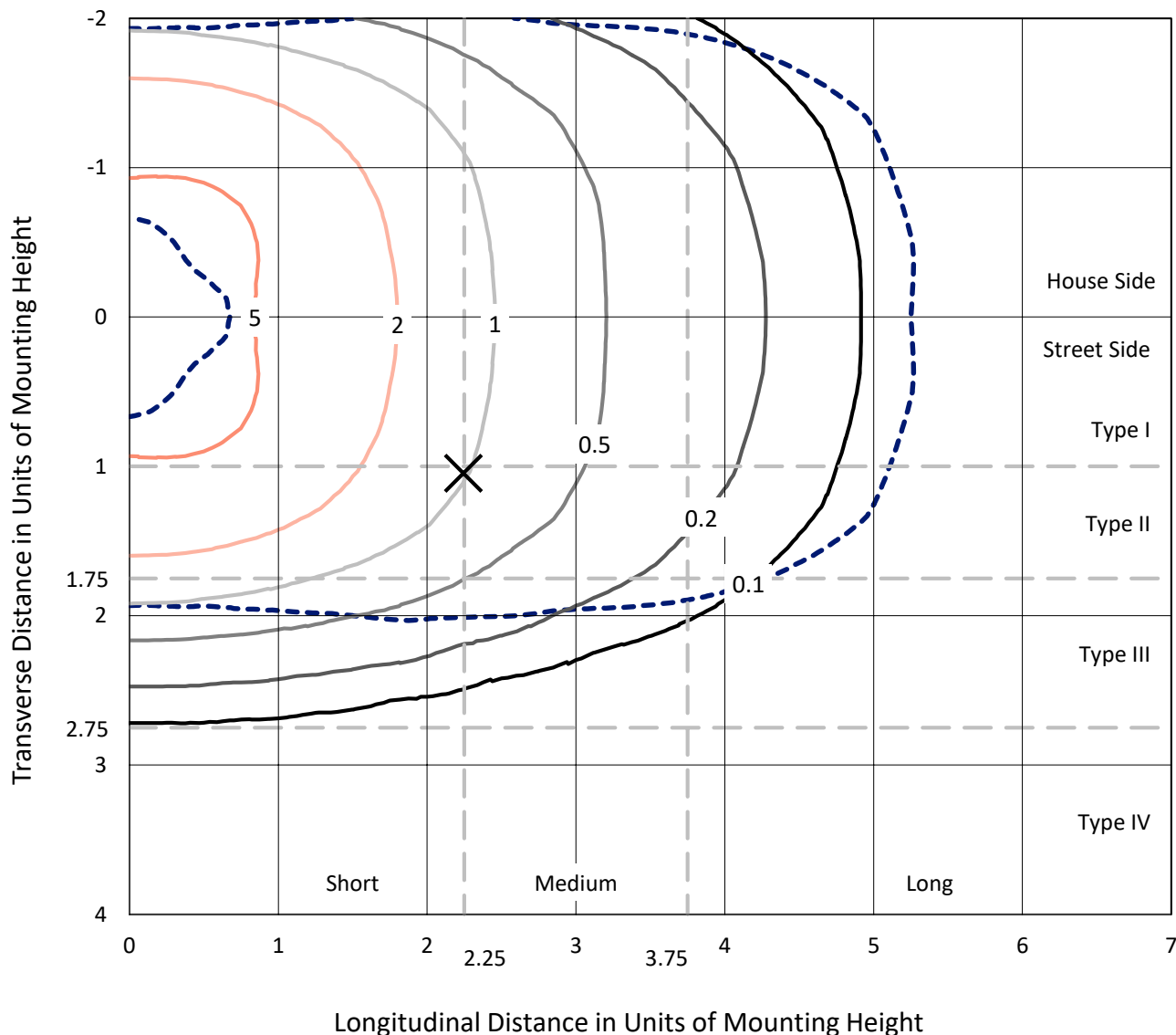
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

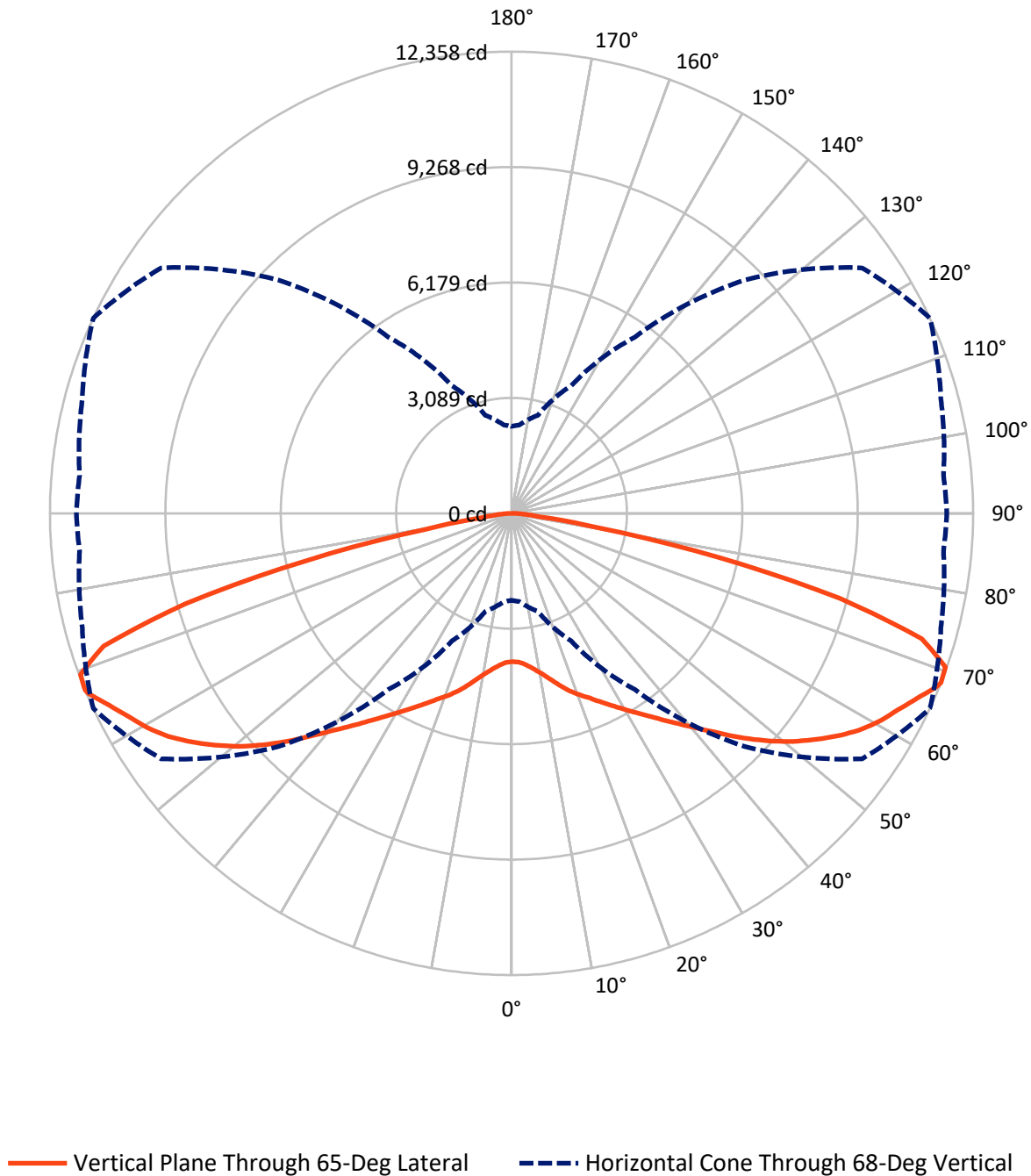


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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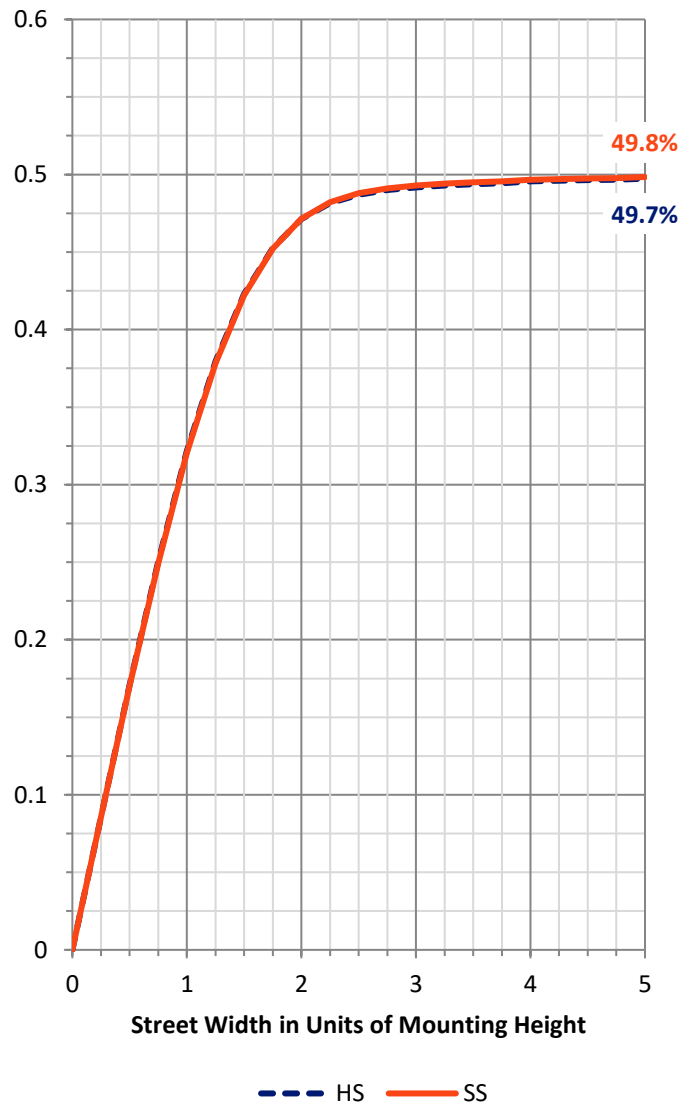
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19088.5	0.0	19088.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19088.5	0.0	19088.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38177.0	0.0	38177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.6	1.0
10°-20°	1301.3	3.4
20°-30°	2537.3	6.6
30°-40°	4262.4	11.2
40°-50°	6716.1	17.6
50°-60°	8981.6	23.5
60°-70°	8731.3	22.9
70°-80°	4772.9	12.5
80°-90°	485.4	1.3
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°	38177.0	100.0
0°-180°	38177.0	100.0

Coefficient of Utilization



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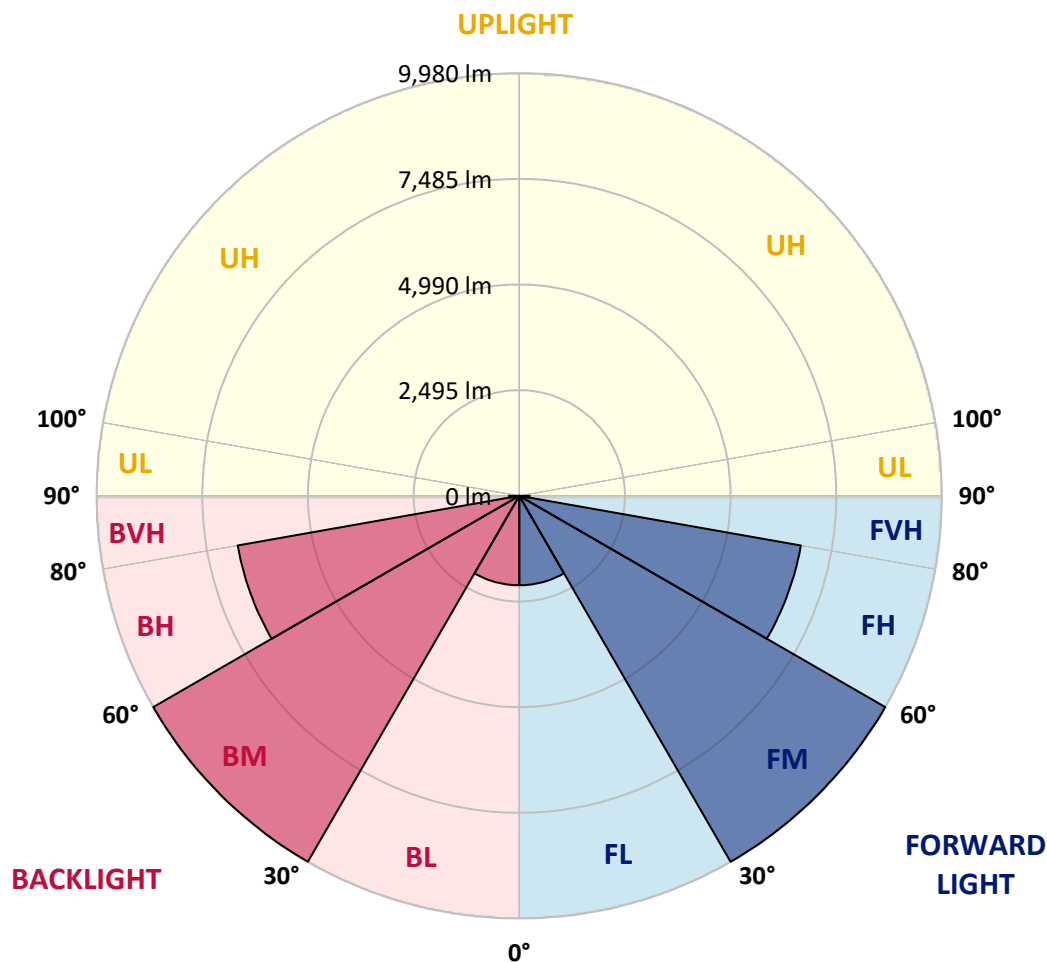
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2113.6	5.5			
FM	(30°-60°)	9980.1	26.1			
FH	(60°-80°)	6752.1	17.7			G3/7500
FVH	(80°-90°)	242.7	0.6			G3/500
BL	(0°-30°)	2113.6	5.5	B3/2500		
BM	(30°-60°)	9980.1	26.1	B5		
BH	(60°-80°)	6752.1	17.7	B5		G5
BVH	(80°-90°)	242.7	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5	3969.5
2.5°	3941.3	3942.6	3949.0	3956.7	3963.1	3979.8	3983.6	3990.0	3992.6	3999.0	3999.0
5°	3906.8	3909.3	3924.7	3945.2	3968.2	4009.2	4038.6	4071.9	4088.6	4106.5	4105.2
7.5°	3902.9	3909.3	3931.1	3964.4	4002.8	4070.6	4132.1	4198.6	4243.4	4284.4	4281.8
10°	3942.6	3952.9	3983.6	4033.5	4091.1	4175.6	4266.5	4356.1	4434.2	4496.9	4499.5
12.5°	4002.8	4015.6	4064.2	4139.8	4226.8	4335.6	4443.1	4544.3	4651.8	4745.2	4752.9
15°	4082.2	4098.8	4171.8	4284.4	4417.5	4546.8	4662.0	4765.7	4889.9	5019.2	5032.0
17.5°	4199.9	4223.0	4319.0	4471.3	4646.7	4788.8	4909.1	4987.2	5090.9	5224.0	5248.3
20°	4379.1	4408.6	4530.2	4712.0	4925.7	5074.2	5166.4	5183.0	5234.2	5353.3	5381.4
22.5°	4612.1	4637.7	4773.4	4989.7	5229.1	5390.4	5439.0	5372.5	5367.4	5463.4	5490.2
25°	4872.0	4895.0	5052.5	5295.7	5553.0	5730.9	5729.6	5600.3	5510.7	5585.0	5613.1
27.5°	5163.8	5199.7	5350.7	5606.7	5881.9	6057.3	6047.1	5847.4	5677.1	5696.3	5720.7
30°	5499.2	5538.9	5686.1	5945.9	6221.2	6392.7	6379.9	6116.2	5860.2	5809.0	5826.9
32.5°	5915.2	5962.6	6102.1	6358.1	6601.3	6756.2	6719.1	6408.1	6080.4	5969.0	5985.6
35°	6415.7	6443.9	6591.1	6843.3	7040.4	7146.7	7068.6	6746.0	6359.4	6225.0	6225.0
37.5°	6922.6	6944.4	7109.5	7354.0	7544.8	7601.1	7448.8	7115.9	6724.2	6533.5	6537.3
40°	7409.1	7468.0	7653.6	7904.5	8092.6	8108.0	7905.7	7538.4	7130.0	6932.9	6955.9
42.5°	7917.3	7974.9	8196.3	8480.5	8646.9	8672.5	8435.7	8012.0	7588.3	7428.3	7453.9
45°	8370.4	8416.5	8672.5	9002.8	9210.1	9276.7	8996.4	8554.7	8083.7	7927.5	7933.9
47.5°	8686.6	8746.7	9028.4	9417.5	9719.6	9822.0	9546.8	9083.4	8571.4	8381.9	8398.6
50°	8973.3	9005.3	9290.8	9715.8	10099.8	10311.0	10075.5	9605.7	9064.2	8863.2	8881.2
52.5°	9133.3	9174.3	9450.8	9893.7	10348.1	10688.6	10545.3	10075.5	9540.4	9344.5	9366.3
55°	9022.0	9052.7	9384.2	9933.4	10501.7	10921.6	10943.4	10535.0	10007.6	9836.1	9897.5
57.5°	8515.1	8553.5	8958.0	9677.4	10520.9	11079.0	11242.9	10961.3	10444.1	10304.6	10340.4
60°	7722.7	7747.0	8178.4	8987.4	10147.1	11144.3	11433.6	11309.5	10871.7	10732.1	10780.8
62.5°	6310.8	6346.6	6862.5	7946.7	9357.3	10951.0	11618.0	11597.5	11269.8	11141.8	11185.3
65°	4313.8	4376.6	4947.5	6318.4	8140.0	10359.6	11785.6	11932.9	11621.8	11460.5	11518.1
67.5°	2605.0	2651.0	3064.5	4171.8	6228.8	9166.6	11612.8	12314.3	11870.1	11610.3	11657.6
68°	2328.5	2370.7	2716.3	3764.7	5761.6	8830.0	11455.4	12357.8	11897.0	11607.7	11650.0
70°	1406.8	1435.0	1666.7	2327.2	3841.5	7004.6	10381.4	12322.0	12068.5	11643.6	11667.9
72.5°	916.5	925.5	963.9	1194.3	1962.4	3917.0	7791.8	11482.3	12325.8	11852.2	11848.4
75°	761.6	756.5	760.4	787.2	967.7	1717.9	4553.2	9070.6	11749.8	11523.2	11442.6
77.5°	643.9	640.0	638.8	640.0	647.7	829.5	1976.4	5650.2	8991.2	10193.2	10264.9
80°	521.0	515.9	532.5	524.8	501.8	515.9	828.2	2350.2	4238.3	4559.6	4272.9
82.5°	378.9	359.7	431.4	410.9	391.7	363.5	457.0	759.1	1011.3	693.8	487.7
85°	291.9	271.4	327.7	314.9	268.8	185.6	271.4	371.2	409.6	234.3	184.3
87.5°	119.0	125.4	236.8	186.9	157.4	89.6	111.4	148.5	199.7	99.8	76.8
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)