

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: P316714

Luminaire Tested: **GAN-SA0A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39791 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

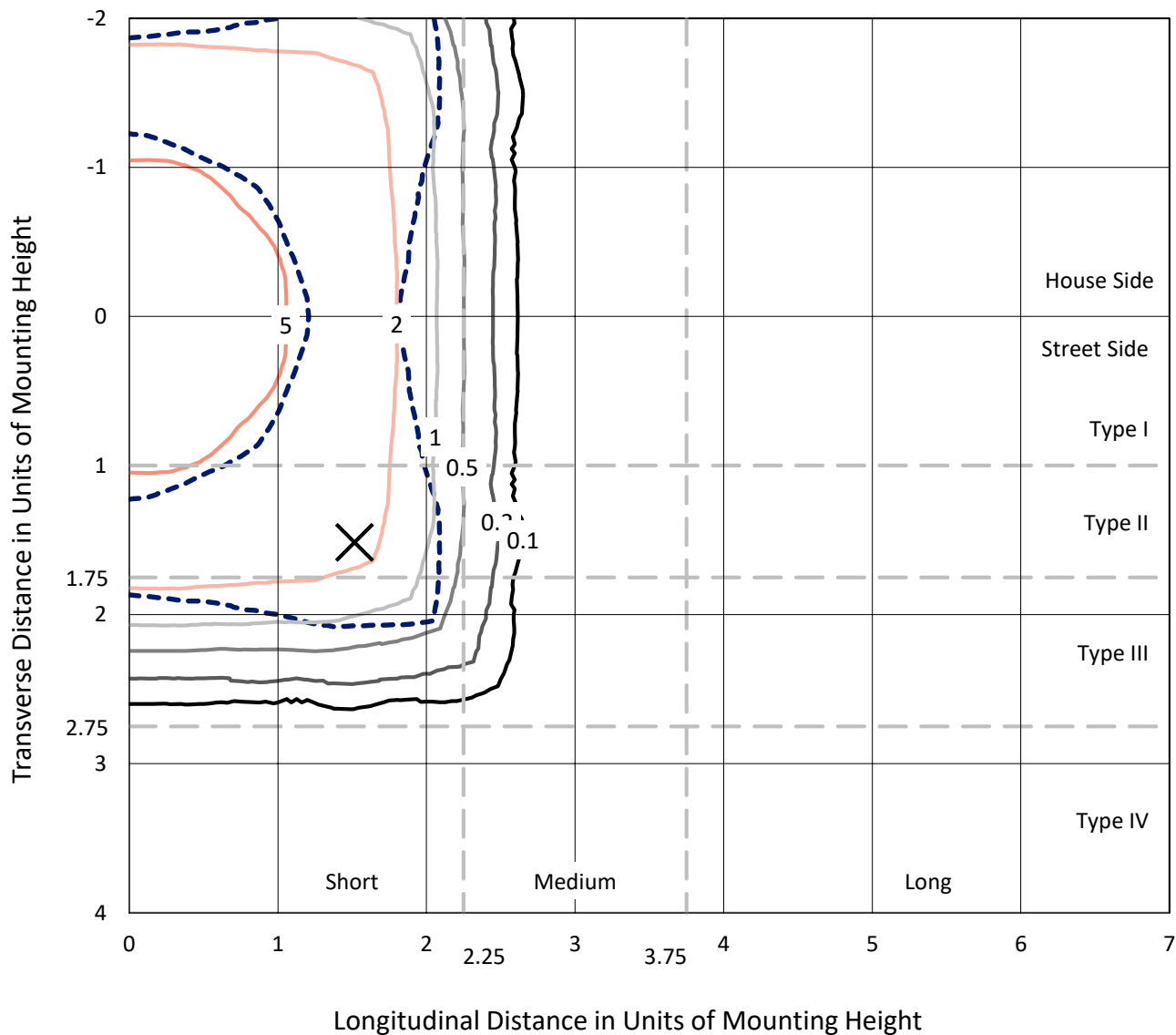
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

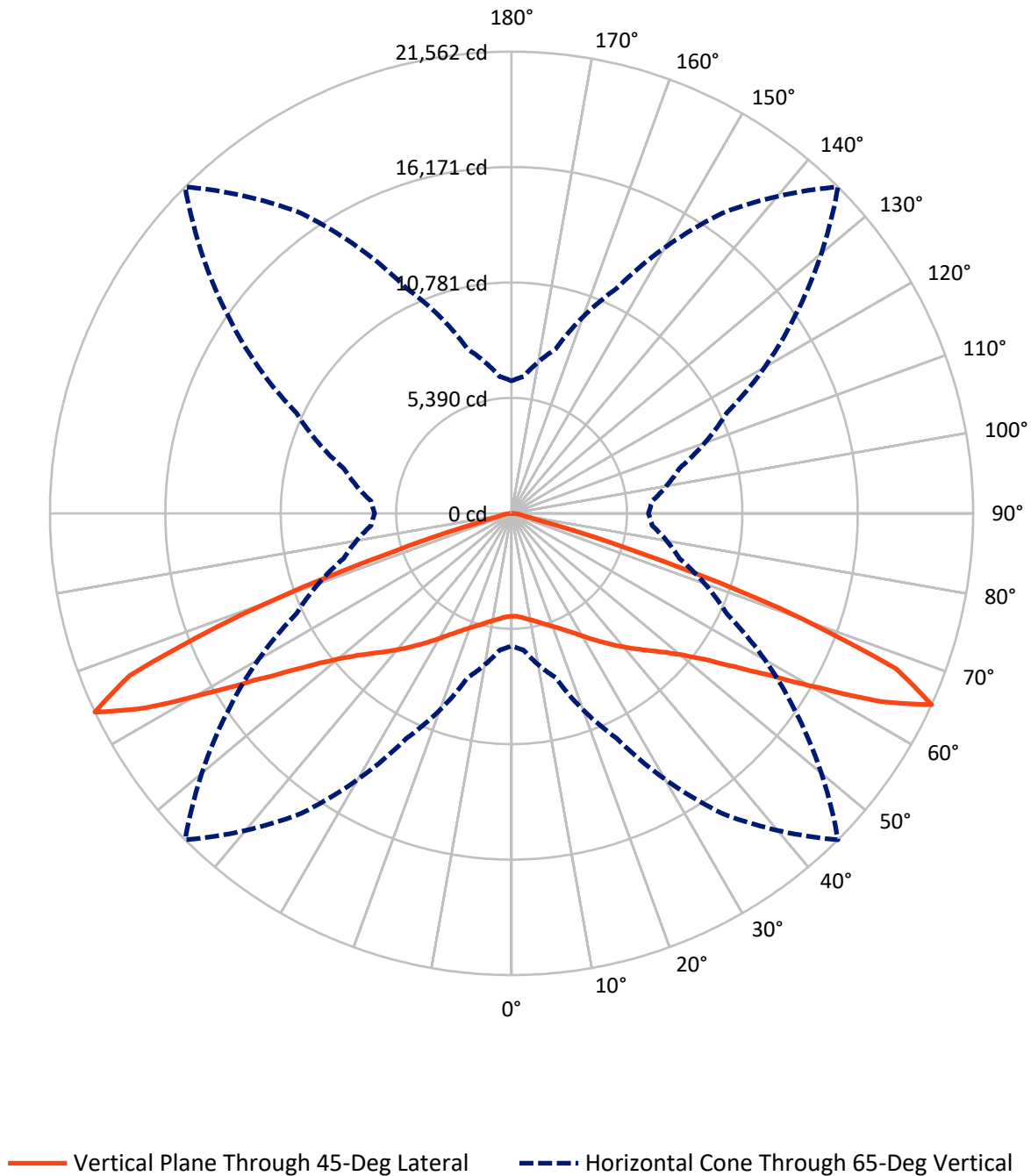
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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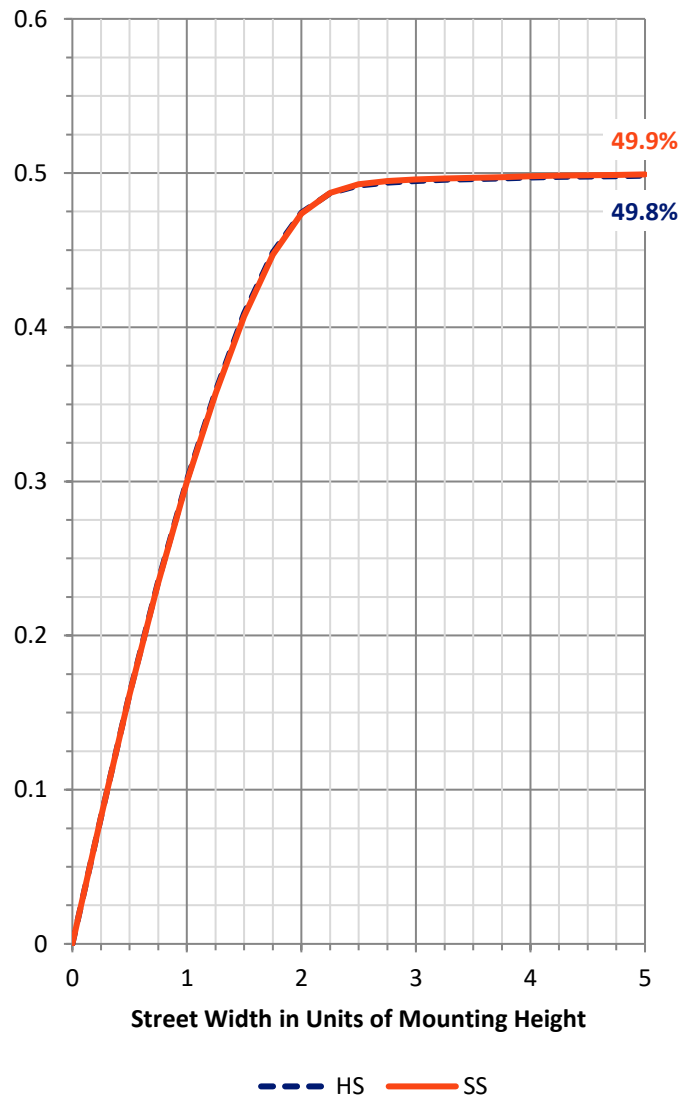
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19895.5	0.0	19895.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19895.5	0.0	19895.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39791.0	0.0	39791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.4	1.2
10°-20°	1515.4	3.8
20°-30°	2843.2	7.1
30°-40°	4702.0	11.8
40°-50°	7282.9	18.3
50°-60°	11169.8	28.1
60°-70°	10422.7	26.2
70°-80°	1213.1	3.0
80°-90°	170.5	0.4
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°	39791.0	100.0
0°-180°	39791.0	100.0

Coefficient of Utilization



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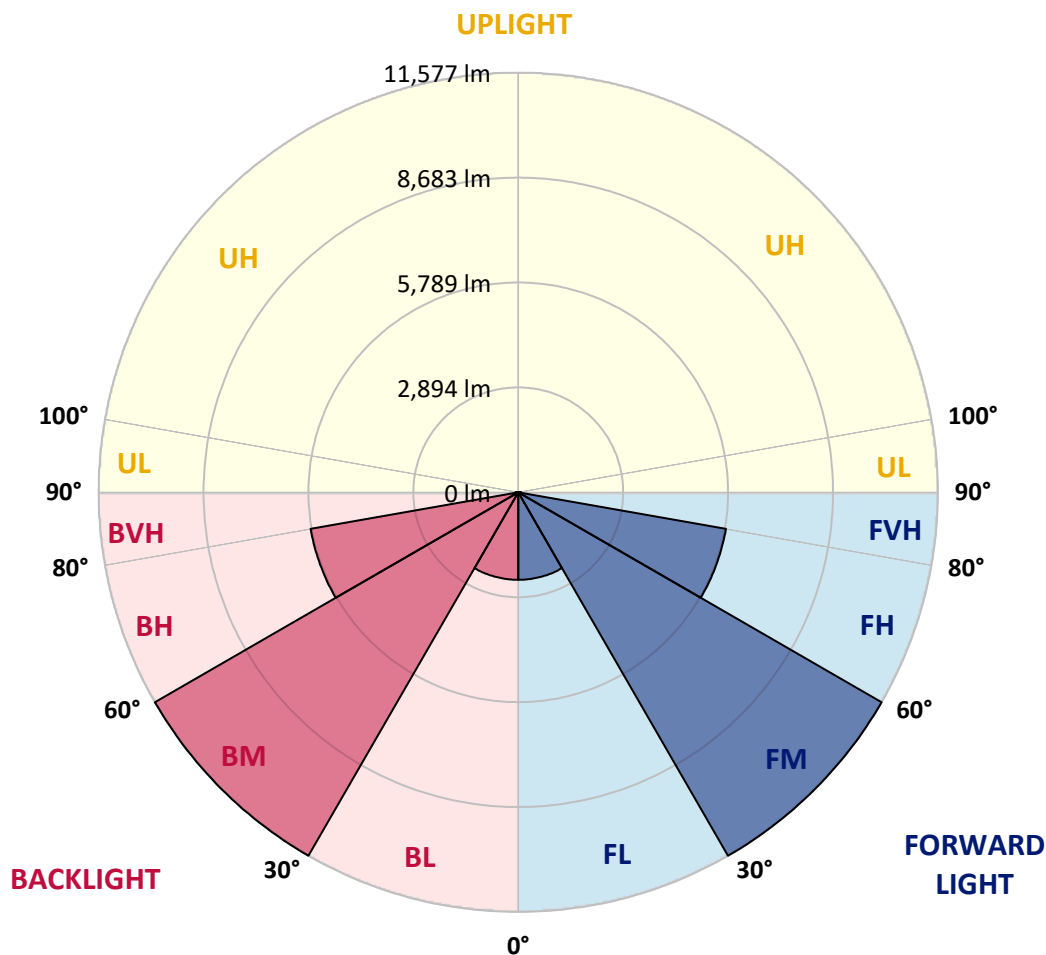
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2415.0	6.1			
FM	(30°-60°)	11577.4	29.1			
FH	(60°-80°)	5817.9	14.6			G3/7500
FVH	(80°-90°)	85.2	0.2			G1/100
BL	(0°-30°)	2415.0	6.1	B3/2500		
BM	(30°-60°)	11577.4	29.1	B5		
BH	(60°-80°)	5817.9	14.6	B5		G3/7500
BVH	(80°-90°)	85.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3	4805.3
2.5°	4821.1	4818.5	4821.1	4822.4	4814.5	4818.5	4817.2	4823.8	4826.4	4823.8	4823.8
5°	4876.6	4872.6	4877.9	4884.5	4874.0	4876.6	4872.6	4880.6	4883.2	4877.9	4881.9
7.5°	4953.2	4954.5	4959.8	4971.7	4965.1	4970.4	4962.4	4963.8	4962.4	4954.5	4955.8
10°	5036.4	5037.7	5047.0	5062.8	5065.5	5065.5	5060.2	5056.2	5050.9	5045.7	5047.0
12.5°	5136.8	5143.4	5150.0	5169.8	5169.8	5180.4	5177.7	5167.2	5157.9	5150.0	5150.0
15°	5272.8	5271.5	5279.5	5299.3	5308.5	5325.7	5325.7	5311.2	5299.3	5291.3	5288.7
17.5°	5415.5	5419.5	5424.7	5448.5	5463.1	5482.9	5485.5	5473.6	5465.7	5455.1	5448.5
20°	5581.9	5588.5	5609.7	5618.9	5632.1	5650.6	5657.2	5654.6	5646.7	5641.4	5642.7
22.5°	5776.1	5793.3	5806.5	5819.7	5835.5	5848.7	5855.3	5864.6	5856.7	5852.7	5850.1
25°	6011.2	6023.1	6049.5	6073.3	6083.9	6087.8	6095.7	6109.0	6107.6	6098.4	6098.4
27.5°	6278.0	6300.5	6333.5	6367.8	6367.8	6354.6	6381.0	6403.5	6395.6	6383.7	6367.8
30°	6601.6	6622.8	6661.1	6708.6	6684.8	6675.6	6711.3	6752.2	6740.3	6720.5	6717.9
32.5°	6950.3	6970.1	7020.3	7071.9	7041.5	7028.3	7066.6	7126.0	7104.9	7065.2	7041.5
35°	7328.1	7347.9	7419.2	7481.3	7429.8	7407.3	7439.1	7503.8	7466.8	7392.8	7374.3
37.5°	7738.9	7749.5	7841.9	7905.3	7869.6	7810.2	7849.8	7897.4	7865.7	7775.9	7740.2
40°	8165.5	8203.8	8310.8	8384.8	8322.7	8228.9	8295.0	8361.0	8313.5	8198.5	8137.8
42.5°	8663.5	8692.5	8835.2	8901.2	8800.9	8668.8	8758.6	8848.4	8800.9	8689.9	8637.1
45°	9181.3	9226.2	9396.6	9462.6	9317.3	9149.6	9259.2	9416.4	9412.4	9252.6	9197.1
47.5°	9745.3	9790.2	9993.6	10080.8	9923.6	9699.0	9853.6	10075.5	10059.6	9884.0	9839.0
50°	10396.4	10444.0	10697.6	10807.2	10660.6	10399.1	10631.6	10827.0	10798.0	10581.4	10585.3
52.5°	11214.1	11211.4	11527.1	11717.3	11566.7	11335.6	11549.5	11739.8	11619.6	11319.7	11310.5
55°	11930.0	11973.5	12364.5	12725.1	12715.9	12627.4	12713.2	12721.1	12377.7	11978.8	11930.0
57.5°	12400.2	12483.4	13034.2	13686.7	14175.4	14293.0	14126.5	13622.0	12817.6	12179.6	12101.7
60°	12110.9	12237.7	13102.9	14433.0	15872.7	16563.5	15624.4	14059.2	12475.5	11586.5	11480.9
62.5°	10158.7	10372.7	11639.4	14072.4	17333.6	19353.2	16710.1	13357.8	11115.0	9890.6	9709.6
65°	6186.9	6412.7	7939.7	11582.6	17097.1	21561.6	16214.8	11087.2	8112.7	6589.7	6394.3
67.5°	2061.9	2127.9	3027.4	6402.2	13437.0	19373.0	13459.5	6637.3	3530.6	2340.6	2271.9
70°	807.0	813.6	960.3	1855.8	6345.4	13306.3	7001.8	1888.8	1003.8	793.8	811.0
72.5°	593.1	595.7	636.7	775.3	1653.7	5862.0	1713.1	779.3	619.5	556.1	556.1
75°	476.8	476.8	505.9	565.3	741.0	1344.6	751.6	558.7	484.8	443.8	438.5
77.5°	376.4	384.4	406.8	445.1	501.9	647.2	520.4	442.5	391.0	352.7	344.7
80°	280.0	287.9	324.9	343.4	360.6	449.1	384.4	346.1	309.1	264.2	256.2
82.5°	183.6	191.5	237.8	248.3	244.4	293.2	258.9	254.9	227.2	170.4	162.5
85°	120.2	122.8	158.5	165.1	151.9	133.4	165.1	174.4	158.5	111.0	107.0
87.5°	56.8	56.8	80.6	75.3	68.7	55.5	75.3	88.5	89.8	54.2	52.8
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)