

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: P316972

Luminaire Tested: **GAN-SA8C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316972
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-SA8C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46464 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

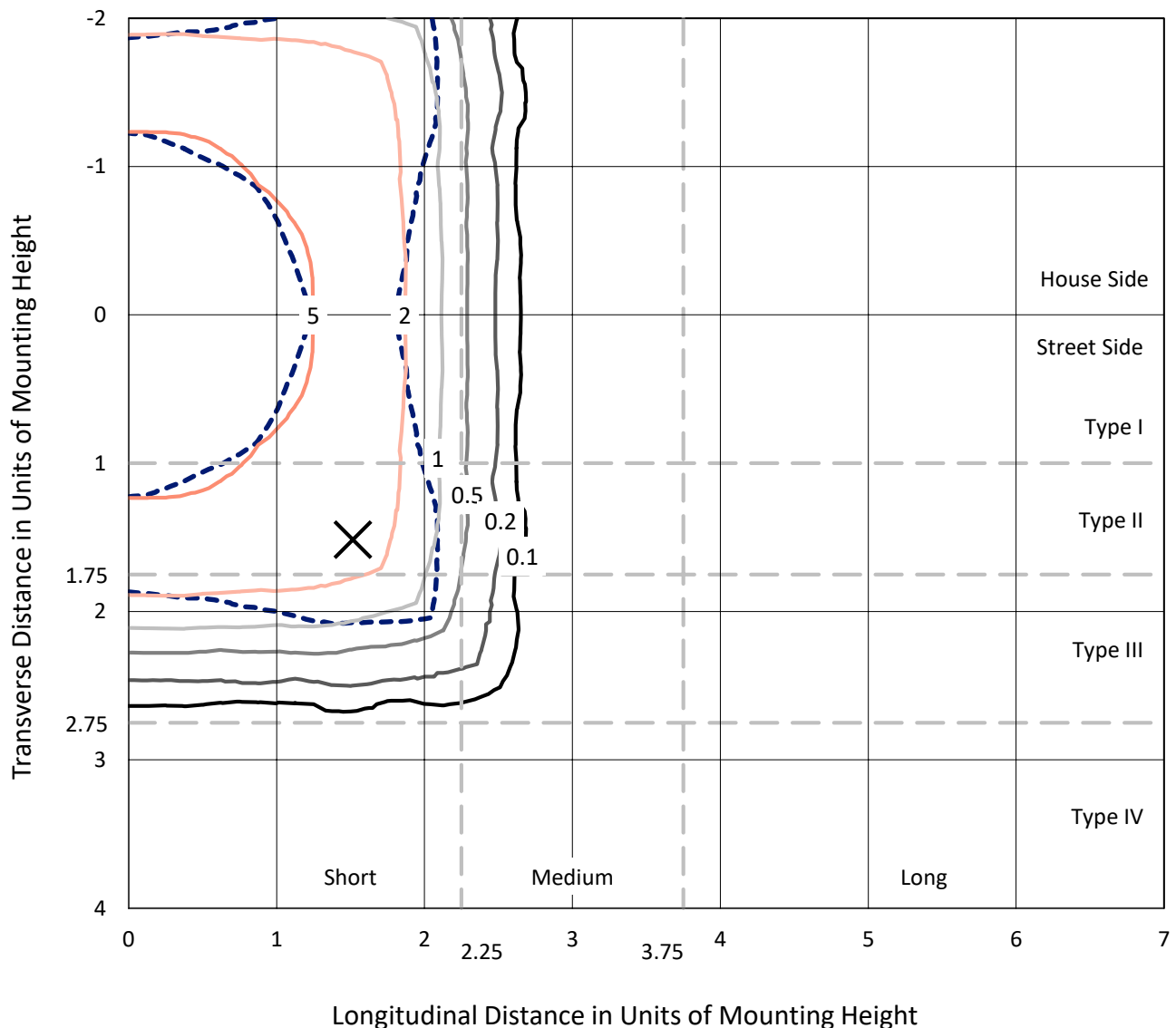
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

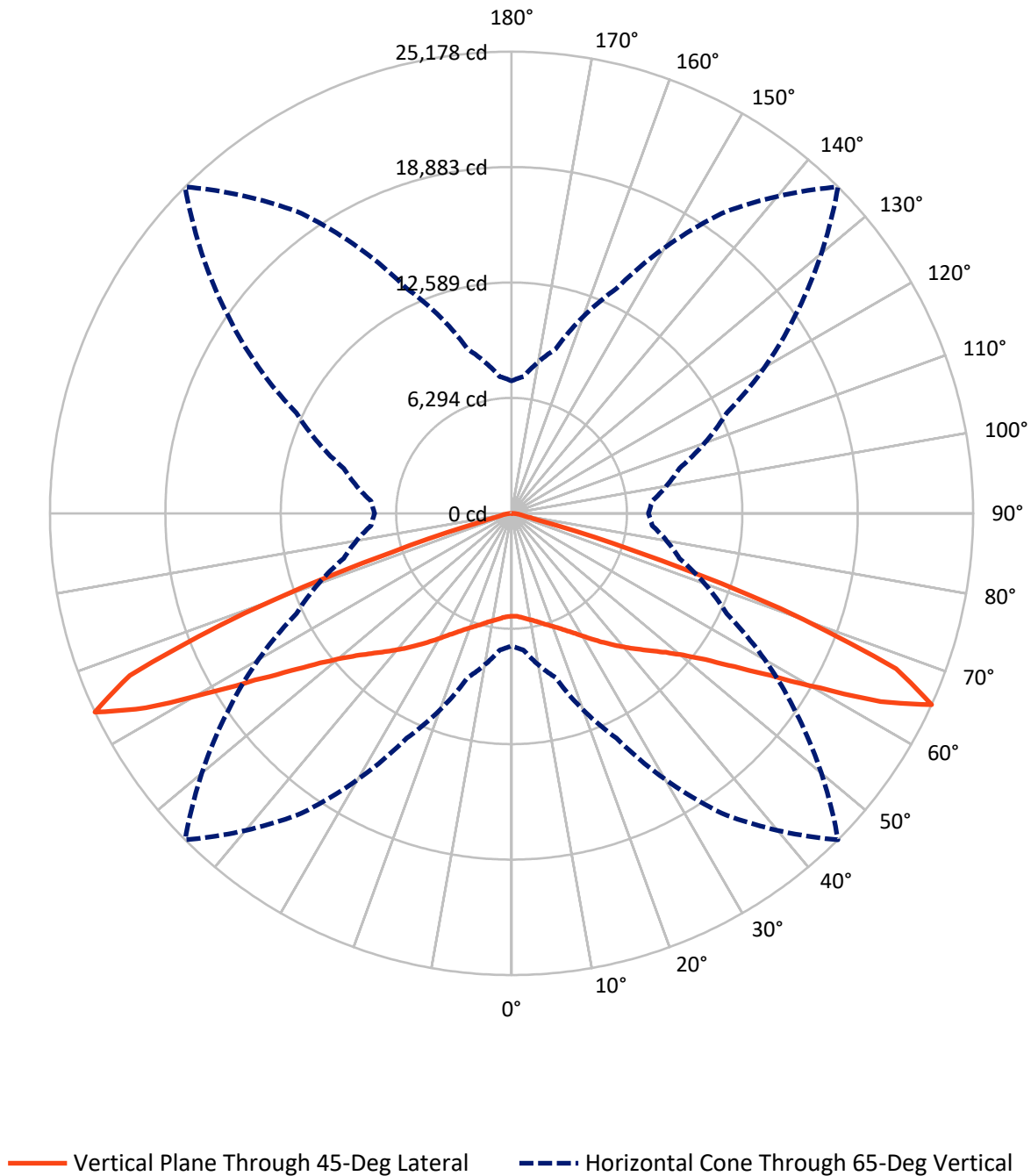
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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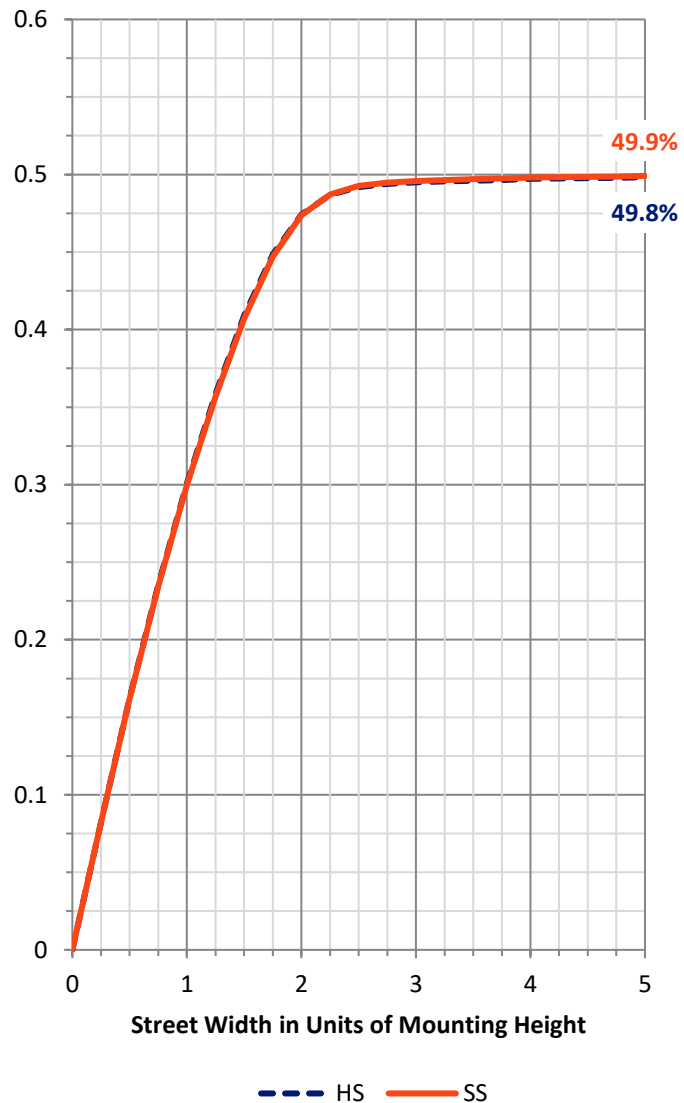
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23232.0	0.0	23232.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23232.0	0.0	23232.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46464.0	0.0	46464.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.5	1.2
10°-20°	1769.5	3.8
20°-30°	3320.0	7.1
30°-40°	5490.6	11.8
40°-50°	8504.2	18.3
50°-60°	13043.0	28.1
60°-70°	12170.6	26.2
70°-80°	1416.5	3.0
80°-90°	199.0	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°	46464.0	100.0
0°-180°	46464.0	100.0

Coefficient of Utilization



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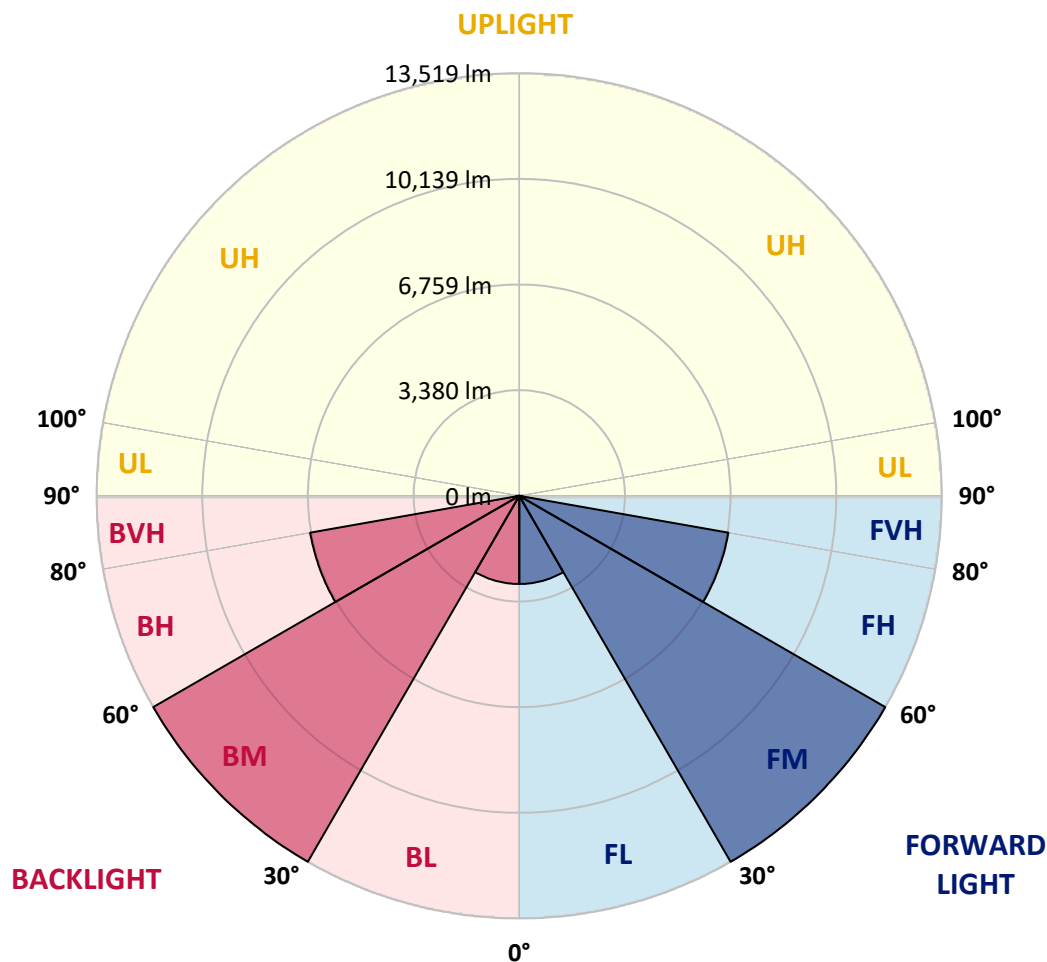
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2820.0	6.1			
FM	(30°-60°)	13518.9	29.1			
FH	(60°-80°)	6793.5	14.6			G3/7500
FVH	(80°-90°)	99.5	0.2			G1/100
BL	(0°-30°)	2820.0	6.1	B4/5000		
BM	(30°-60°)	13518.9	29.1	B5		
BH	(60°-80°)	6793.5	14.6	B5		G3/7500
BVH	(80°-90°)	99.5	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°	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1	5611.1
2.5°	5629.6	5626.5	5629.6	5631.2	5621.9	5626.5	5625.0	5632.7	5635.8	5632.7	5632.7
5°	5694.4	5689.8	5695.9	5703.7	5691.3	5694.4	5689.8	5699.0	5702.1	5695.9	5700.6
7.5°	5783.9	5785.4	5791.6	5805.5	5797.7	5803.9	5794.7	5796.2	5794.7	5785.4	5786.9
10°	5881.0	5882.6	5893.4	5911.9	5915.0	5915.0	5908.8	5904.2	5898.0	5891.8	5893.4
12.5°	5998.2	6006.0	6013.7	6036.8	6036.8	6049.1	6046.1	6033.7	6022.9	6013.7	6013.7
15°	6157.1	6155.6	6164.8	6188.0	6198.8	6218.8	6218.8	6201.8	6188.0	6178.7	6175.6
17.5°	6323.7	6328.3	6334.5	6362.2	6379.2	6402.3	6405.4	6391.6	6382.3	6370.0	6362.2
20°	6518.0	6525.7	6550.4	6561.2	6576.6	6598.2	6605.9	6602.9	6593.6	6587.4	6589.0
22.5°	6744.8	6764.8	6780.2	6795.7	6814.2	6829.6	6837.3	6848.1	6838.8	6834.2	6831.1
25°	7019.3	7033.2	7064.0	7091.8	7104.1	7108.8	7118.0	7133.4	7131.9	7121.1	7121.1
27.5°	7330.9	7357.1	7395.6	7435.7	7435.7	7420.3	7451.2	7477.4	7468.1	7454.2	7435.7
30°	7708.7	7733.4	7778.1	7833.7	7805.9	7795.1	7836.7	7884.6	7870.7	7847.5	7844.5
32.5°	8115.9	8139.0	8197.7	8257.8	8222.3	8206.9	8251.6	8321.0	8296.4	8250.1	8222.3
35°	8557.0	8580.2	8663.5	8735.9	8675.8	8649.6	8686.6	8762.2	8719.0	8632.6	8611.0
37.5°	9036.7	9049.0	9157.0	9231.0	9189.4	9120.0	9166.3	9221.8	9184.8	9079.9	9038.2
40°	9534.9	9579.6	9704.5	9790.9	9718.4	9608.9	9686.0	9763.2	9707.6	9573.4	9502.5
42.5°	10116.4	10150.3	10316.9	10394.0	10276.8	10122.5	10227.4	10332.3	10276.8	10147.2	10085.5
45°	10721.0	10773.4	10972.4	11049.5	10879.8	10683.9	10812.0	10995.5	10990.9	10804.3	10739.5
47.5°	11379.6	11432.0	11669.5	11771.3	11587.8	11325.6	11506.0	11765.1	11746.6	11541.5	11489.1
50°	12139.9	12195.5	12491.6	12619.6	12448.4	12143.0	12414.5	12642.7	12608.8	12355.9	12360.5
52.5°	13094.7	13091.6	13460.2	13682.3	13506.5	13236.6	13486.4	13708.5	13568.2	13218.1	13207.3
55°	13930.6	13981.5	14438.1	14859.1	14848.3	14745.0	14845.2	14854.5	14453.5	13987.7	13930.6
57.5°	14479.7	14576.9	15220.0	15982.0	16552.6	16689.9	16495.6	15906.4	14967.1	14222.1	14131.1
60°	14141.9	14290.0	15300.2	16853.4	18534.6	19341.2	18244.6	16416.9	14567.6	13529.6	13406.2
62.5°	11862.3	12112.2	13591.3	16432.3	20240.4	22598.7	19512.4	15597.9	12979.0	11549.2	11337.9
65°	7224.4	7488.2	9271.1	13525.0	19964.3	25177.5	18934.0	12946.6	9473.2	7694.8	7466.6
67.5°	2407.6	2484.7	3535.1	7475.8	15690.5	22621.8	15716.7	7750.4	4122.7	2733.1	2652.9
70°	942.4	950.1	1121.3	2167.0	7409.5	15537.8	8176.1	2205.6	1172.2	927.0	947.0
72.5°	692.5	695.6	743.4	905.4	1931.0	6845.0	2000.4	910.0	723.4	649.3	649.3
75°	556.8	556.8	590.7	660.1	865.3	1570.1	877.6	652.4	566.0	518.2	512.1
77.5°	439.6	448.8	475.0	519.8	586.1	755.8	607.7	516.7	456.5	411.8	402.6
80°	327.0	336.2	379.4	401.0	421.1	524.4	448.8	404.1	360.9	308.5	299.2
82.5°	214.4	223.6	277.6	290.0	285.3	342.4	302.3	297.7	265.3	199.0	189.7
85°	140.4	143.4	185.1	192.8	177.4	155.8	192.8	203.6	185.1	129.6	124.9
87.5°	66.3	66.3	94.1	87.9	80.2	64.8	87.9	103.3	104.9	63.2	61.7
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)