

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: P316743

Luminaire Tested: **GAN-SA9D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316743
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-SA9D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59837 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

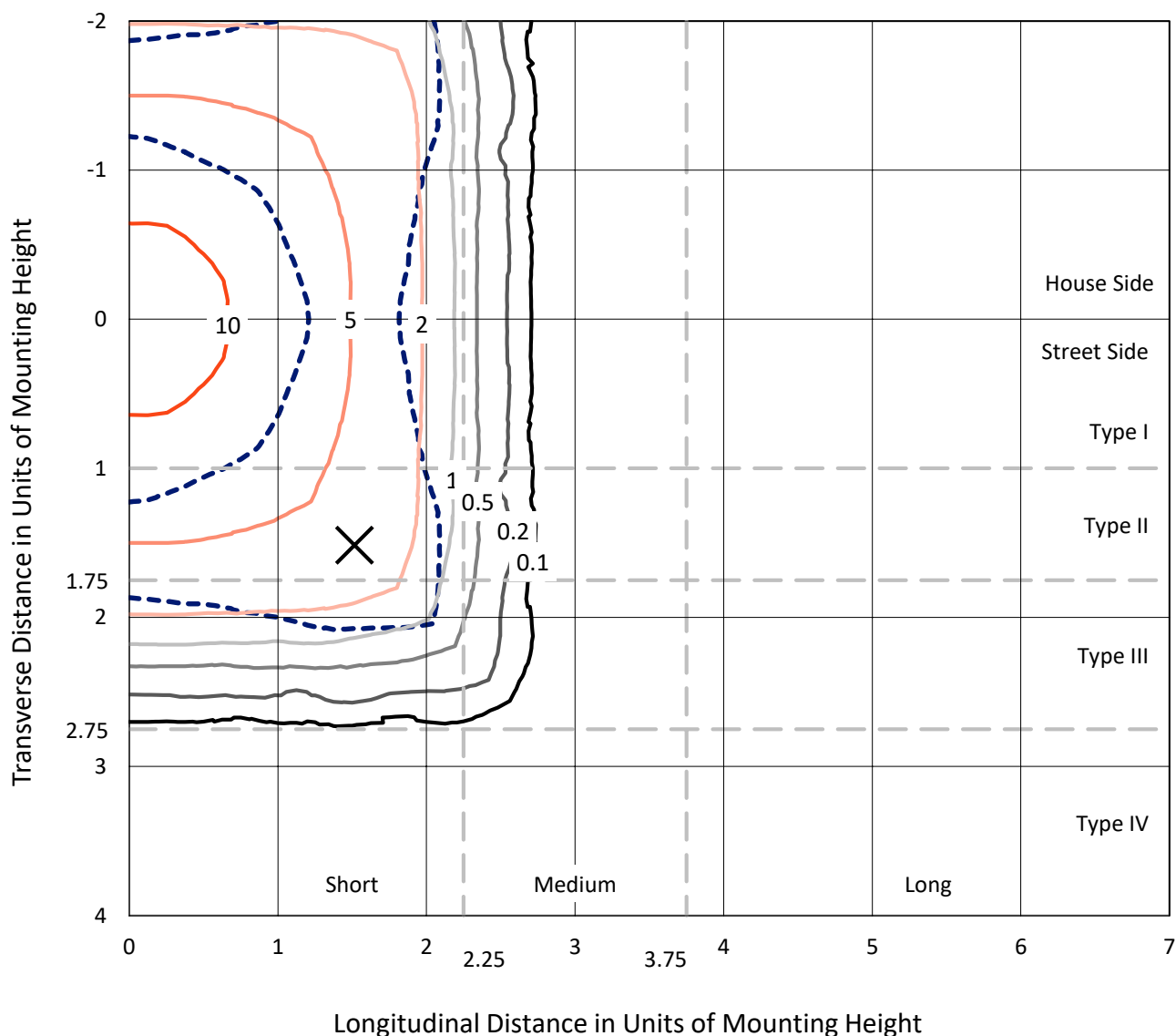
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

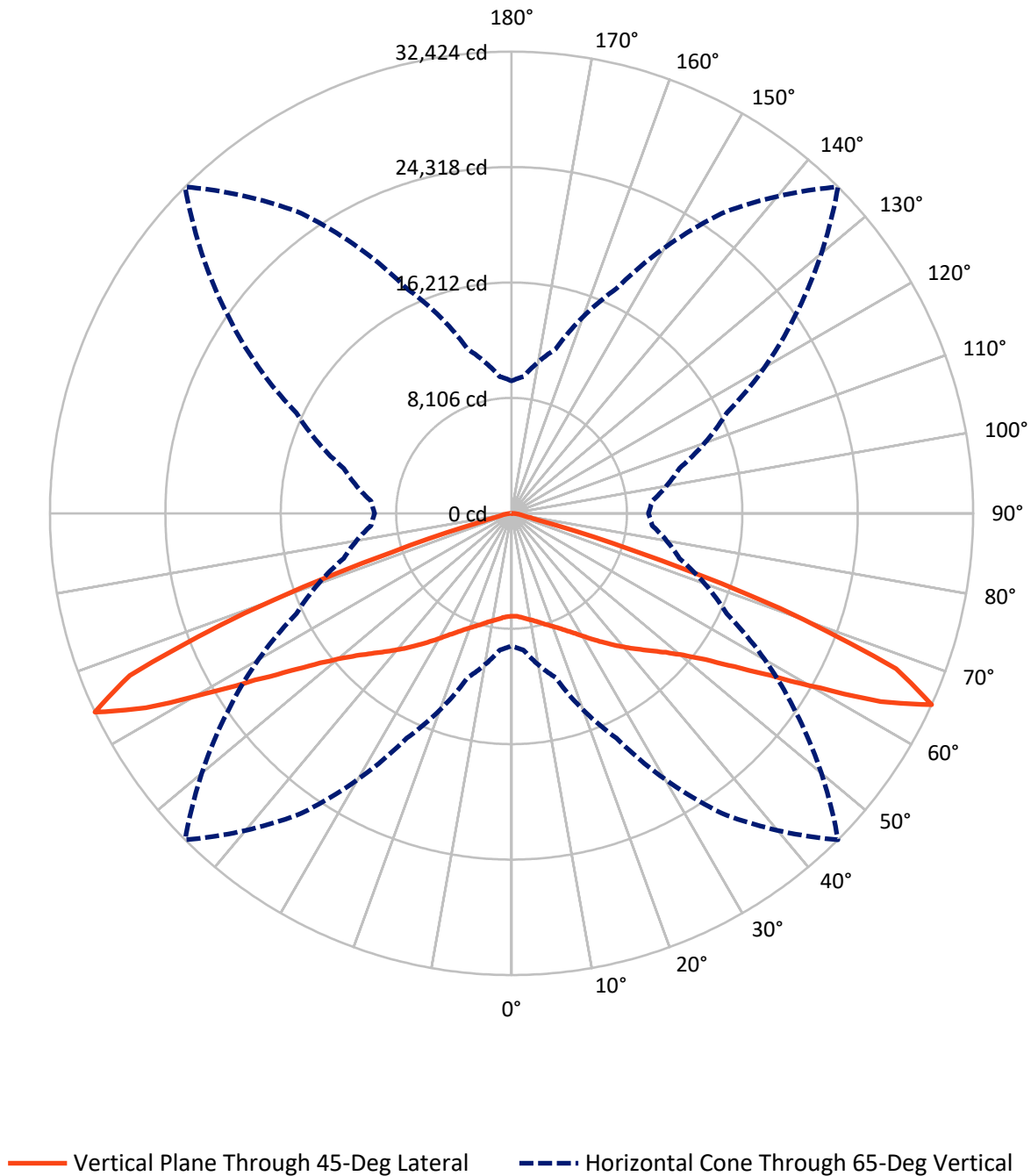
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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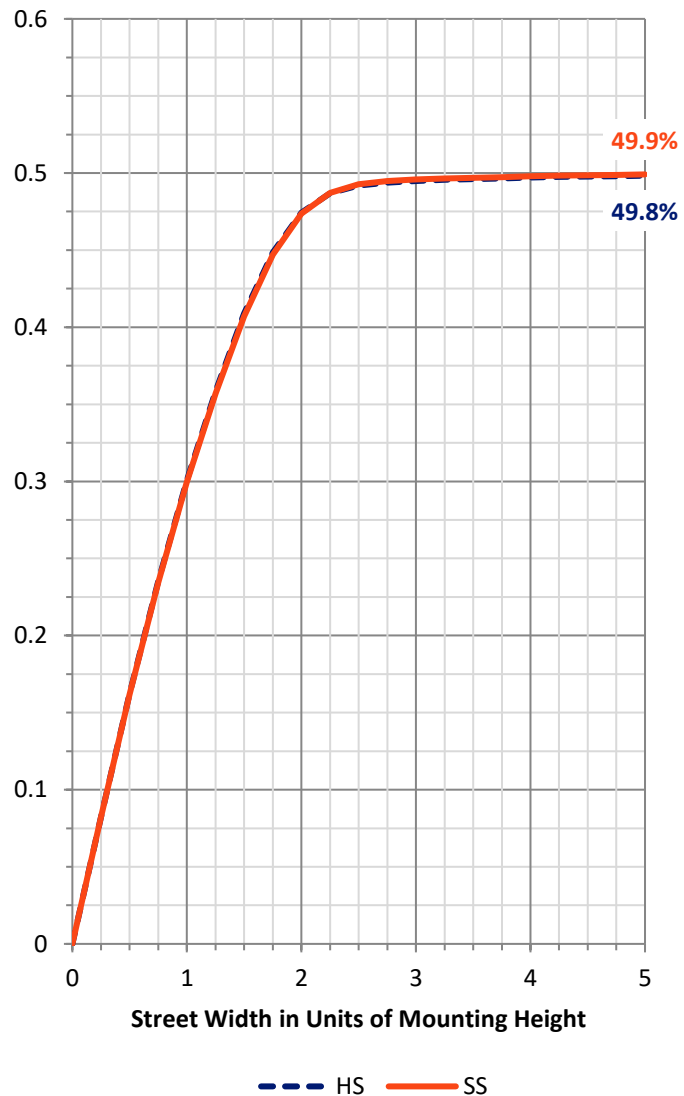
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29918.5	0.0	29918.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29918.5	0.0	29918.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59837.0	0.0	59837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.0	1.2
10°-20°	2278.8	3.8
20°-30°	4275.5	7.1
30°-40°	7070.9	11.8
40°-50°	10951.8	18.3
50°-60°	16797.0	28.1
60°-70°	15673.5	26.2
70°-80°	1824.2	3.0
80°-90°	256.3	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°	59837.0	100.0
0°-180°	59837.0	100.0

Coefficient of Utilization



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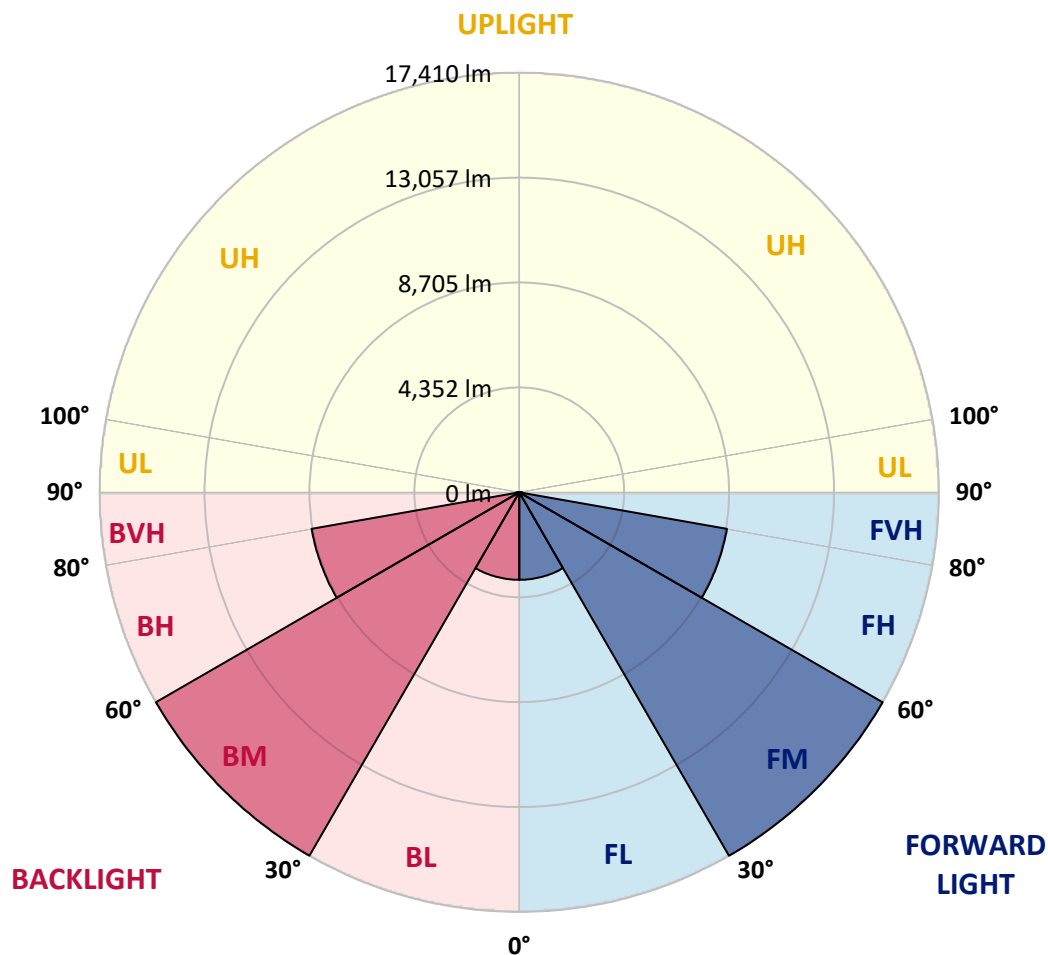
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3631.7	6.1			
FM	(30°-60°)	17409.8	29.1			
FH	(60°-80°)	8748.8	14.6			G4/12000
FVH	(80°-90°)	128.2	0.2			G2/225
BL	(0°-30°)	3631.7	6.1	B4/5000		
BM	(30°-60°)	17409.8	29.1	B5		
BH	(60°-80°)	8748.8	14.6	B5		G4/12000
BVH	(80°-90°)	128.2	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1	7226.1
2.5°	7249.9	7245.9	7249.9	7251.9	7240.0	7245.9	7244.0	7253.9	7257.9	7253.9	7253.9
5°	7333.3	7327.4	7335.3	7345.3	7329.4	7333.3	7327.4	7339.3	7343.3	7335.3	7341.3
7.5°	7448.5	7450.5	7458.5	7476.3	7466.4	7474.4	7462.4	7464.4	7462.4	7450.5	7452.5
10°	7573.7	7575.7	7589.6	7613.4	7617.4	7617.4	7609.4	7603.5	7595.5	7587.6	7589.6
12.5°	7724.6	7734.6	7744.5	7774.3	7774.3	7790.2	7786.2	7770.3	7756.4	7744.5	7744.5
15°	7929.2	7927.2	7939.1	7968.9	7982.8	8008.7	8008.7	7986.8	7968.9	7957.0	7953.1
17.5°	8143.7	8149.7	8157.6	8193.4	8215.2	8245.0	8249.0	8231.1	8219.2	8203.3	8193.4
20°	8394.0	8403.9	8435.7	8449.6	8469.5	8497.3	8507.2	8503.3	8491.3	8483.4	8485.4
22.5°	8686.0	8711.8	8731.7	8751.5	8775.4	8795.2	8805.2	8819.1	8807.2	8801.2	8797.2
25°	9039.5	9057.4	9097.1	9132.9	9148.8	9154.8	9166.7	9186.5	9184.5	9170.6	9170.6
27.5°	9440.8	9474.5	9524.2	9575.8	9575.8	9556.0	9595.7	9629.5	9617.6	9599.7	9575.8
30°	9927.4	9959.2	10016.8	10088.3	10052.5	10038.6	10092.3	10153.8	10136.0	10106.2	10102.2
32.5°	10451.8	10481.6	10557.1	10634.5	10588.8	10569.0	10626.6	10716.0	10684.2	10624.6	10588.8
35°	11019.9	11049.7	11156.9	11250.3	11172.8	11139.0	11186.7	11284.0	11228.4	11117.2	11089.4
37.5°	11637.6	11653.5	11792.5	11887.9	11834.2	11744.9	11804.4	11875.9	11828.3	11693.2	11639.6
40°	12279.2	12336.8	12497.7	12608.9	12515.5	12374.5	12473.8	12573.1	12501.6	12328.8	12237.5
42.5°	13028.0	13071.7	13286.2	13385.5	13234.6	13035.9	13171.0	13306.1	13234.6	13067.7	12988.3
45°	13806.6	13874.1	14130.4	14229.7	14011.2	13758.9	13923.8	14160.2	14154.2	13913.9	13830.4
47.5°	14654.8	14722.3	15028.2	15159.3	14922.9	14585.2	14817.6	15151.3	15127.5	14863.3	14795.8
50°	15634.0	15705.5	16086.9	16251.7	16031.2	15638.0	15987.5	16281.5	16237.8	15912.1	15918.0
52.5°	16863.5	16859.5	17334.2	17620.3	17393.8	17046.2	17368.0	17654.0	17473.3	17022.4	17008.5
55°	17940.1	18005.6	18593.5	19135.8	19121.9	18988.8	19117.9	19129.8	18613.4	18013.5	17940.1
57.5°	18647.2	18772.3	19600.6	20581.8	21316.7	21493.5	21243.2	20484.5	19274.8	18315.5	18198.3
60°	18212.2	18402.9	19703.9	21704.0	23869.1	24907.9	23495.7	21141.9	18760.4	17423.6	17264.7
62.5°	15276.5	15598.2	17503.1	21161.8	26065.9	29102.9	25128.4	20087.2	16714.5	14873.2	14601.1
65°	9303.7	9643.4	11939.5	17417.7	25710.4	32424.0	24383.5	16672.8	12199.7	9909.5	9615.6
67.5°	3100.6	3199.9	4552.5	9627.5	20206.4	29132.7	20240.2	9981.0	5309.3	3519.7	3416.4
70°	1213.6	1223.5	1444.0	2790.7	9542.1	20009.8	10529.3	2840.4	1509.6	1193.8	1219.6
72.5°	891.8	895.8	957.4	1165.9	2486.8	8815.1	2576.2	1171.9	931.6	836.2	836.2
75°	717.0	717.0	760.7	850.1	1114.3	2022.0	1130.2	840.2	729.0	667.4	659.4
77.5°	566.1	578.0	611.8	669.4	754.8	973.3	782.6	665.4	587.9	530.3	518.4
80°	421.1	433.0	488.6	516.4	542.3	675.3	578.0	520.4	464.8	397.3	385.3
82.5°	276.1	288.0	357.5	373.4	367.5	441.0	389.3	383.4	341.6	256.2	244.3
85°	180.8	184.7	238.4	248.3	228.4	200.6	248.3	262.2	238.4	166.8	160.9
87.5°	85.4	85.4	121.2	113.2	103.3	83.4	113.2	133.1	135.1	81.4	79.5
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)