

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: P316933

Luminaire Tested: **GAN-SA9C-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316933
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-SA9C-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 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: 47949 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

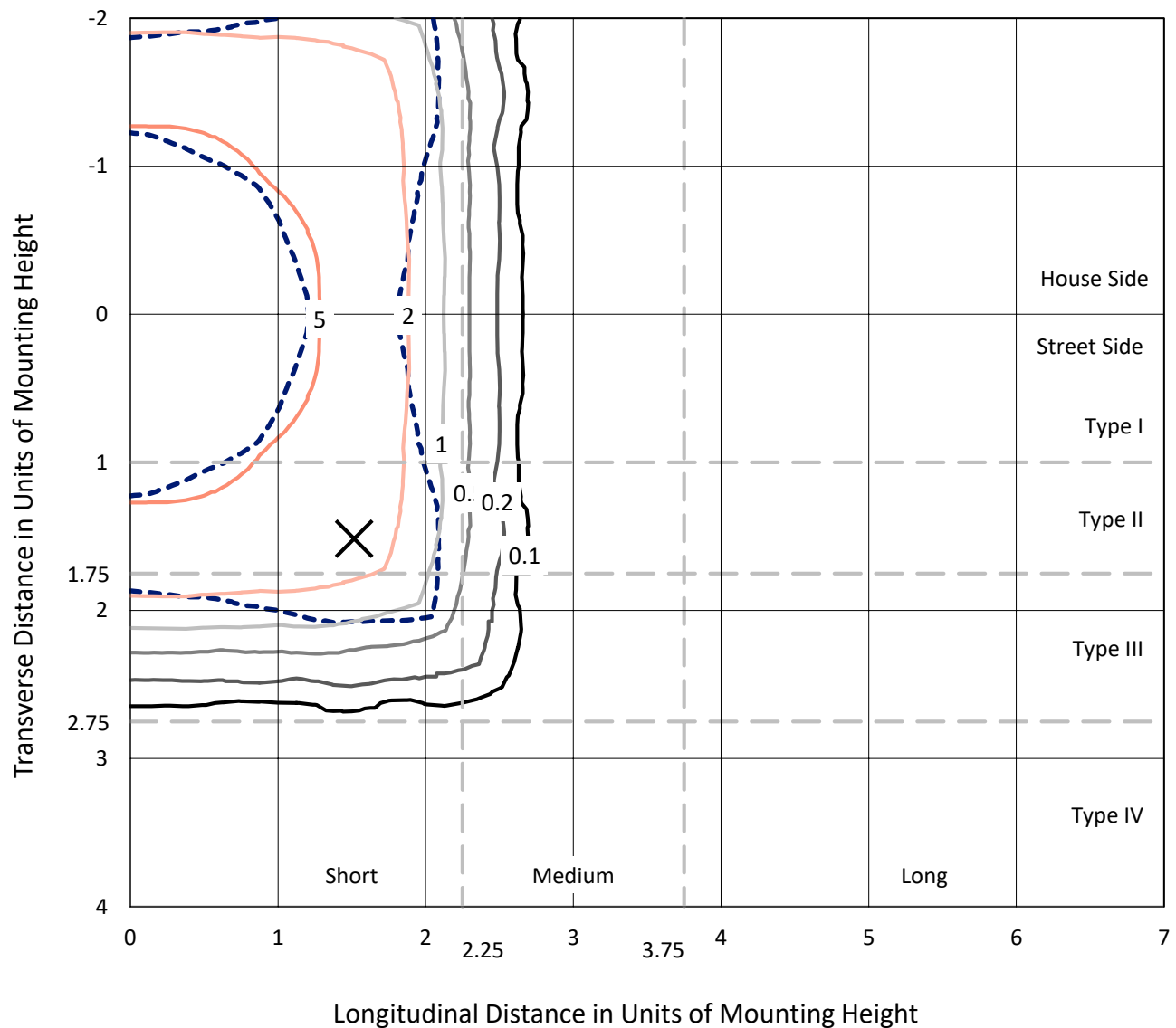
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

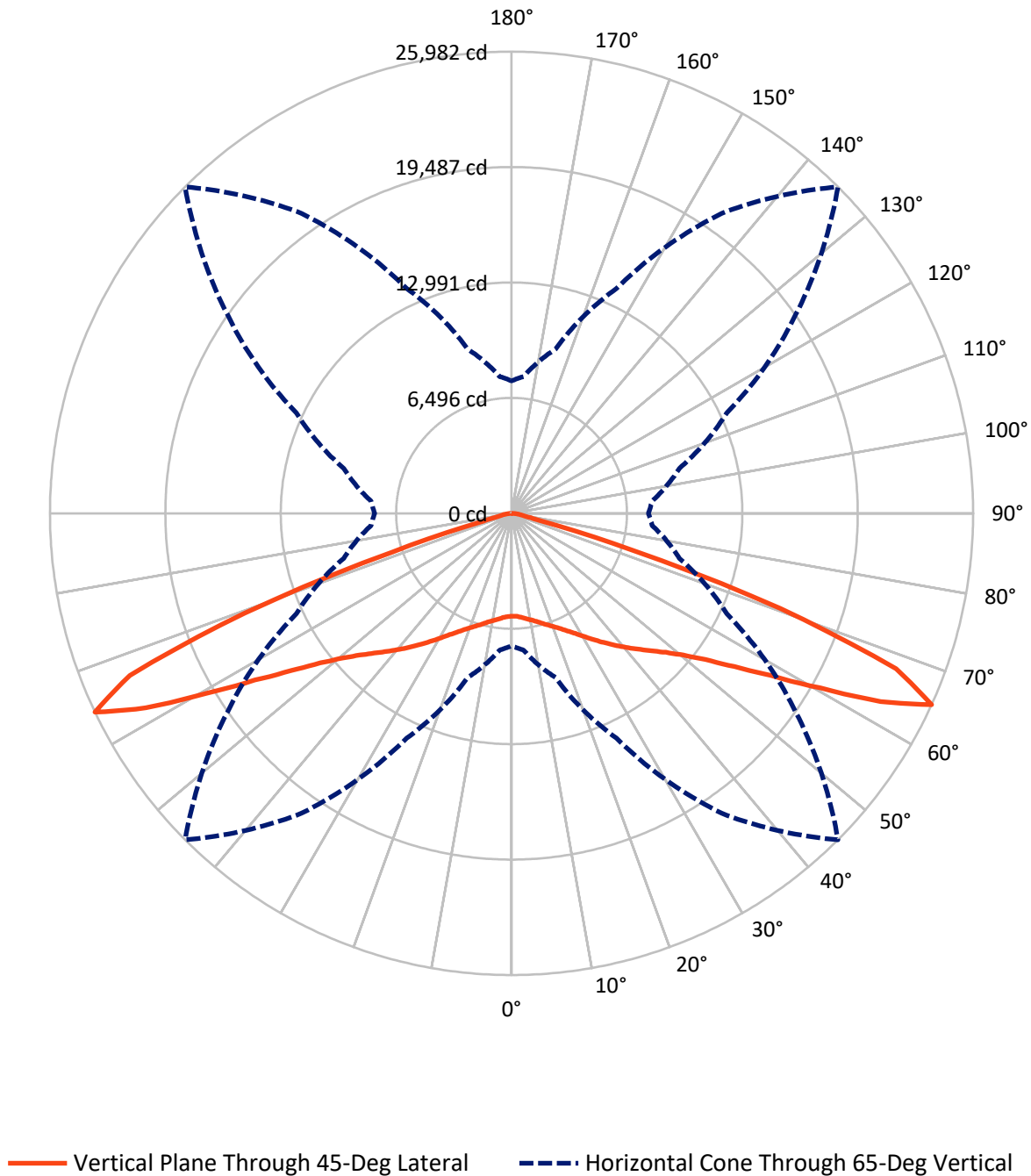
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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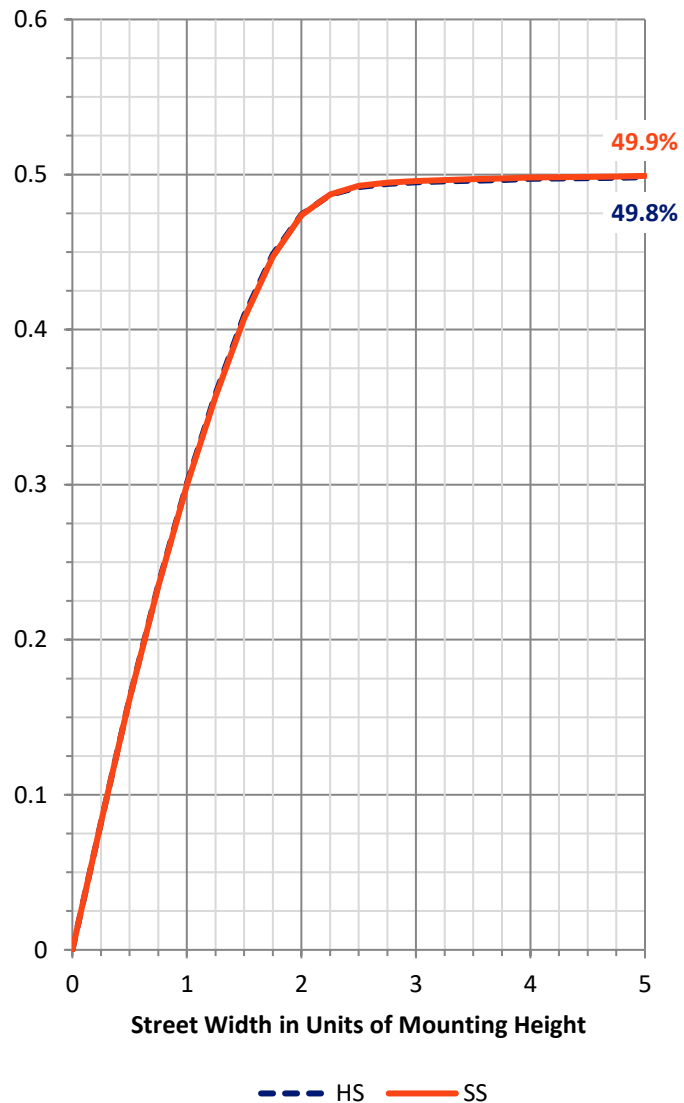
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23974.5	0.0	23974.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23974.5	0.0	23974.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47949.0	0.0	47949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.1	1.2
10°-20°	1826.1	3.8
20°-30°	3426.1	7.1
30°-40°	5666.1	11.8
40°-50°	8776.0	18.3
50°-60°	13459.9	28.1
60°-70°	12559.6	26.2
70°-80°	1461.8	3.0
80°-90°	205.4	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°	47949.0	100.0
0°-180°	47949.0	100.0

Coefficient of Utilization



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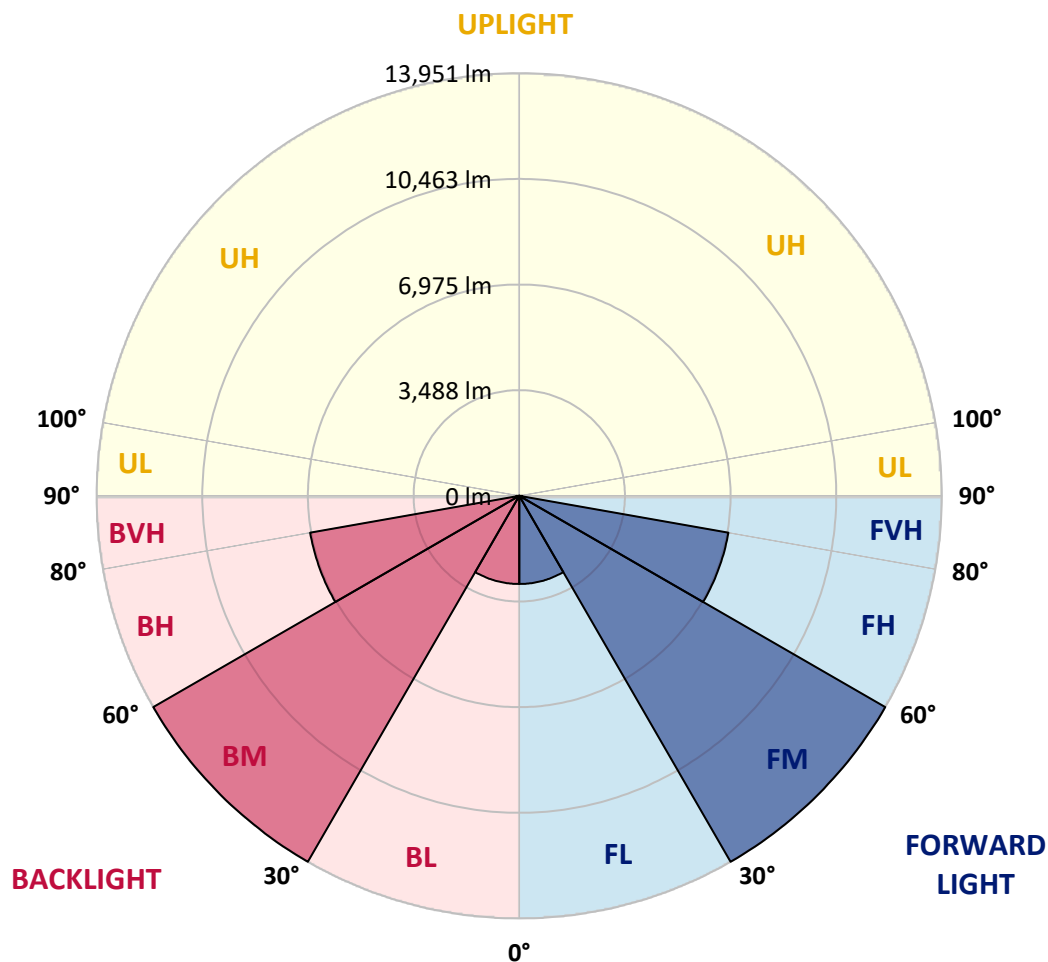
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2910.1	6.1			
FM	(30°-60°)	13951.0	29.1			
FH	(60°-80°)	7010.7	14.6			G3/7500
FVH	(80°-90°)	102.7	0.2			G2/225
BL	(0°-30°)	2910.1	6.1	B4/5000		
BM	(30°-60°)	13951.0	29.1	B5		
BH	(60°-80°)	7010.7	14.6	B5		G3/7500
BVH	(80°-90°)	102.7	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4	5790.4
2.5°	5809.5	5806.4	5809.5	5811.1	5801.6	5806.4	5804.8	5812.7	5815.9	5812.7	5812.7
5°	5876.4	5871.6	5878.0	5885.9	5873.2	5876.4	5871.6	5881.2	5884.4	5878.0	5882.8
7.5°	5968.7	5970.3	5976.7	5991.0	5983.0	5989.4	5979.9	5981.4	5979.9	5970.3	5971.9
10°	6069.0	6070.6	6081.7	6100.8	6104.0	6104.0	6097.6	6092.9	6086.5	6080.1	6081.7
12.5°	6190.0	6197.9	6205.9	6229.7	6229.7	6242.5	6239.3	6226.6	6215.4	6205.9	6205.9
15°	6353.9	6352.3	6361.9	6385.7	6396.9	6417.6	6417.6	6400.1	6385.7	6376.2	6373.0
17.5°	6525.8	6530.6	6536.9	6565.6	6583.1	6607.0	6610.2	6595.8	6586.3	6573.5	6565.6
20°	6726.3	6734.3	6759.8	6770.9	6786.8	6809.1	6817.1	6813.9	6804.3	6798.0	6799.6
22.5°	6960.3	6981.0	6996.9	7012.8	7031.9	7047.9	7055.8	7067.0	7057.4	7052.6	7049.4
25°	7243.6	7258.0	7289.8	7318.4	7331.2	7335.9	7345.5	7361.4	7359.8	7348.7	7348.7
27.5°	7565.1	7592.2	7632.0	7673.4	7673.4	7657.5	7689.3	7716.4	7706.8	7692.5	7673.4
30°	7955.1	7980.6	8026.7	8084.0	8055.4	8044.2	8087.2	8136.6	8122.2	8098.4	8095.2
32.5°	8375.3	8399.2	8459.7	8521.7	8485.1	8469.2	8515.4	8587.0	8561.5	8513.8	8485.1
35°	8830.5	8854.4	8940.3	9015.1	8953.1	8926.0	8964.2	9042.2	8997.6	8908.5	8886.2
37.5°	9325.5	9338.3	9449.7	9526.1	9483.1	9411.5	9459.2	9516.5	9478.3	9370.1	9327.1
40°	9839.6	9885.8	10014.7	10103.8	10029.0	9916.0	9995.6	10075.2	10017.9	9879.4	9806.2
42.5°	10439.7	10474.7	10646.6	10726.2	10605.2	10446.0	10554.3	10662.5	10605.2	10471.5	10407.8
45°	11063.6	11117.7	11323.0	11402.6	11227.6	11025.4	11157.5	11346.9	11342.1	11149.6	11082.7
47.5°	11743.2	11797.4	12042.5	12147.5	11958.1	11687.5	11873.8	12141.2	12122.1	11910.4	11856.3
50°	12527.9	12585.2	12890.8	13022.9	12846.3	12531.1	12811.2	13046.8	13011.8	12750.8	12755.5
52.5°	13513.2	13510.0	13890.4	14119.6	13938.1	13659.6	13917.5	14146.6	14001.8	13640.5	13629.4
55°	14375.8	14428.4	14899.5	15334.0	15322.9	15216.2	15319.7	15329.3	14915.4	14434.7	14375.8
57.5°	14942.5	15042.8	15706.5	16492.8	17081.7	17223.3	17022.8	16414.8	15445.4	14676.7	14582.8
60°	14593.9	14746.7	15789.2	17392.0	19126.9	19959.4	18827.7	16941.6	15033.2	13962.0	13834.7
62.5°	12241.4	12499.3	14025.7	16957.5	20887.3	23321.0	20136.1	16096.4	13393.8	11918.3	11700.3
65°	7455.3	7727.5	9567.5	13957.2	20602.4	25982.2	19539.2	13360.4	9776.0	7940.8	7705.2
67.5°	2484.6	2564.2	3648.1	7714.8	16191.9	23344.8	16219.0	7998.1	4254.5	2820.4	2737.7
70°	972.5	980.5	1157.1	2236.3	7646.3	16034.4	8437.4	2276.1	1209.7	956.6	977.3
72.5°	714.7	717.8	767.2	934.3	1992.8	7063.8	2064.4	939.1	746.5	670.1	670.1
75°	574.6	574.6	609.6	681.2	892.9	1620.3	905.7	673.3	584.1	534.8	528.4
77.5°	453.6	463.2	490.2	536.4	604.8	779.9	627.1	533.2	471.1	425.0	415.4
80°	337.4	347.0	391.5	413.8	434.5	541.2	463.2	417.0	372.4	318.3	308.8
82.5°	221.2	230.8	286.5	299.2	294.5	353.3	312.0	307.2	273.8	205.3	195.8
85°	144.8	148.0	191.0	199.0	183.0	160.8	199.0	210.1	191.0	133.7	128.9
87.5°	68.4	68.4	97.1	90.7	82.8	66.8	90.7	106.6	108.2	65.3	63.7
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)