

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: P316403

Luminaire Tested: **GAN-SA9B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44882 lumens
Efficiency: N/A
Efficacy: 120.0 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): 374
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

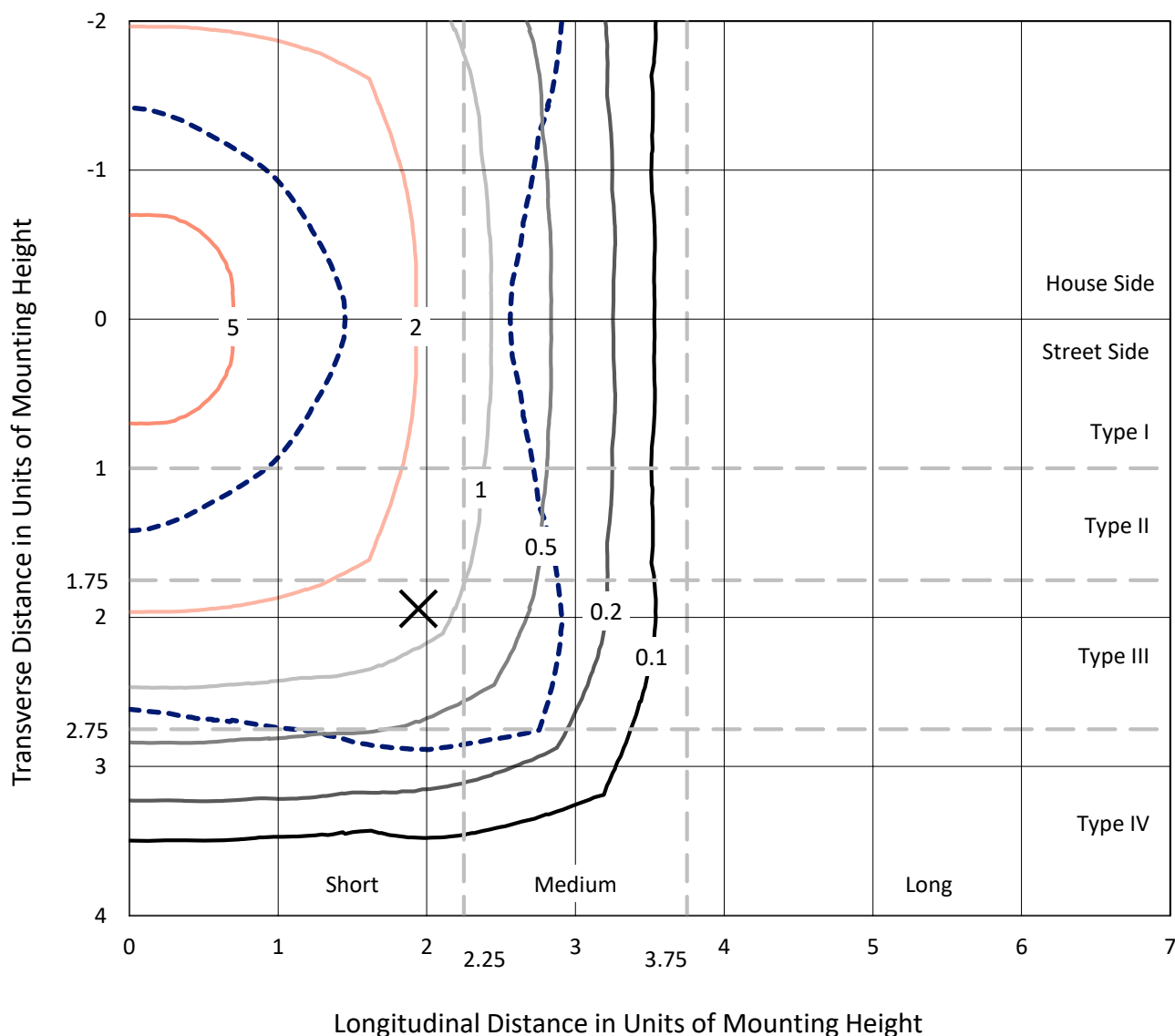


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

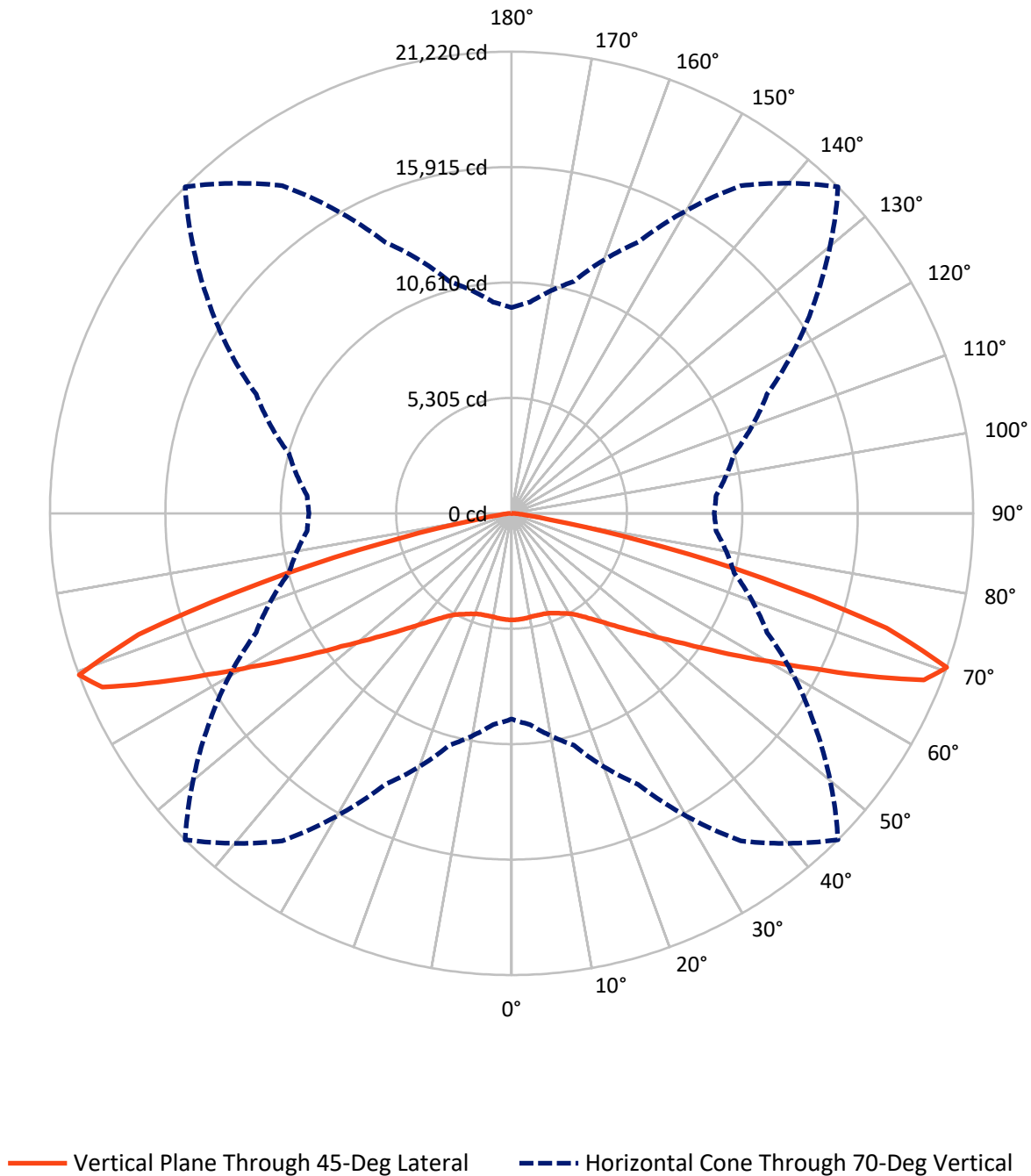


Based on 25 foot mounting height. Maximum calculated value = 7.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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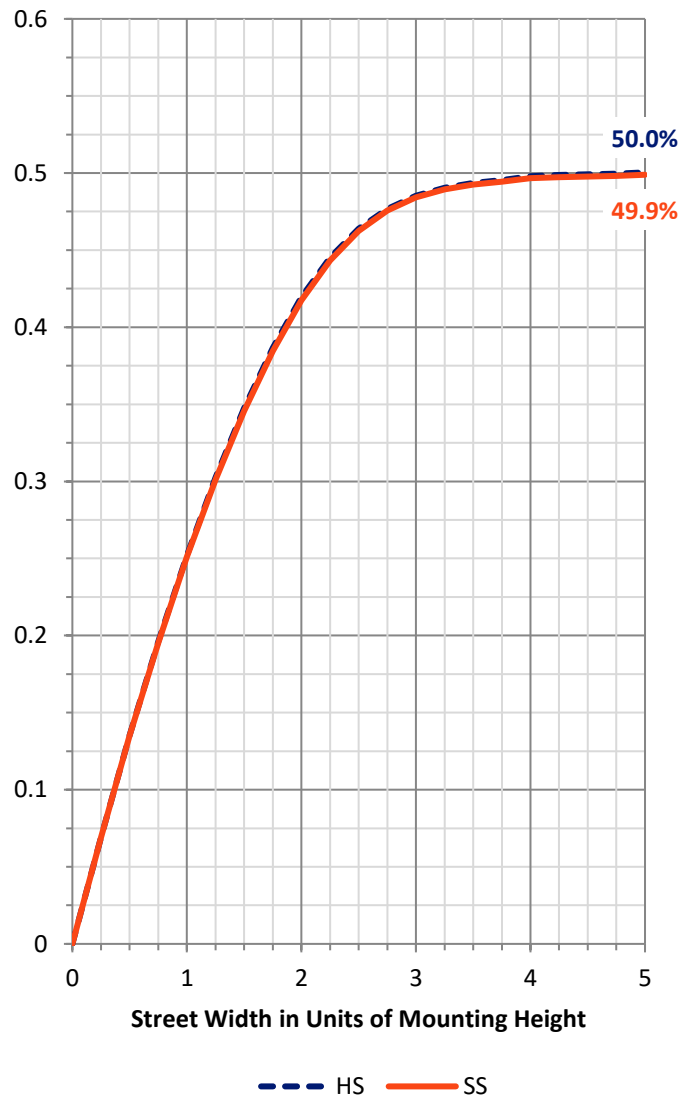
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22441.0	0.0	22441.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22441.0	0.0	22441.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44882.0	0.0	44882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.3	1.0
10°-20°	1362.9	3.0
20°-30°	2320.1	5.2
30°-40°	3679.7	8.2
40°-50°	5988.1	13.3
50°-60°	9873.2	22.0
60°-70°	14494.2	32.3
70°-80°	6409.3	14.3
80°-90°	290.2	0.6
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°	44882.0	100.0
0°-180°	44882.0	100.0

Coefficient of Utilization



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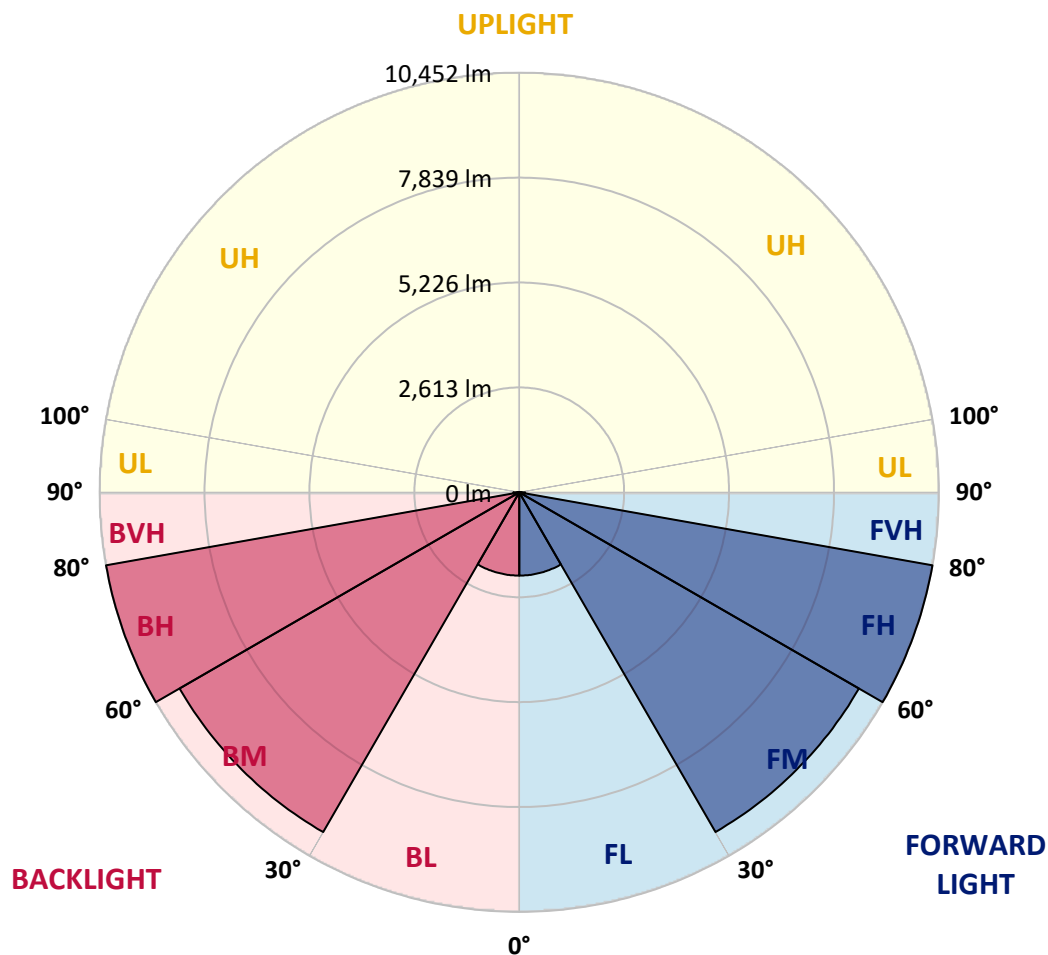
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2073.7	4.6			
FM	(30°-60°)	9770.5	21.8			
FH	(60°-80°)	10451.7	23.3			G4/12000
FVH	(80°-90°)	145.1	0.3			G2/225
BL	(0°-30°)	2073.7	4.6	B3/2500		
BM	(30°-60°)	9770.5	21.8	B5		
BH	(60°-80°)	10451.7	23.3	B5		G4/12000
BVH	(80°-90°)	145.1	0.3			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°	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8	4901.8
2.5°	4894.4	4889.9	4900.3	4898.8	4889.9	4891.4	4891.4	4895.9	4895.9	4892.9	4892.9
5°	4876.6	4873.6	4885.5	4885.5	4876.6	4879.5	4882.5	4887.0	4885.5	4882.5	4881.0
7.5°	4854.3	4852.8	4864.7	4864.7	4858.7	4861.7	4858.7	4860.2	4857.3	4854.3	4849.8
10°	4817.1	4820.1	4830.5	4833.5	4833.5	4835.0	4832.0	4824.6	4820.1	4815.7	4811.2
12.5°	4783.0	4781.5	4796.3	4803.8	4815.7	4829.0	4820.1	4799.3	4790.4	4781.5	4778.5
15°	4760.7	4762.2	4777.0	4790.4	4811.2	4839.4	4829.0	4796.3	4778.5	4768.1	4765.2
17.5°	4756.2	4759.2	4778.5	4802.3	4824.6	4855.8	4849.8	4817.1	4787.4	4768.1	4763.7
20°	4766.6	4768.1	4797.8	4832.0	4870.6	4900.3	4887.0	4851.3	4811.2	4781.5	4774.1
22.5°	4786.0	4791.9	4829.0	4882.5	4941.9	4982.0	4965.7	4904.8	4842.4	4805.3	4794.9
25°	4846.9	4848.3	4898.8	4971.6	5042.9	5089.0	5069.7	4983.5	4903.3	4861.7	4848.3
27.5°	4973.1	4977.6	5028.1	5112.7	5173.6	5203.3	5191.5	5121.7	5053.3	5008.8	5013.2
30°	5155.8	5161.8	5218.2	5311.8	5348.9	5356.3	5353.4	5320.7	5258.3	5198.9	5203.3
32.5°	5378.6	5381.6	5457.4	5542.0	5571.7	5577.7	5571.7	5542.0	5467.7	5387.5	5392.0
35°	5665.3	5674.2	5747.0	5828.7	5852.5	5864.4	5854.0	5815.3	5738.1	5659.4	5656.4
37.5°	6018.8	6020.3	6096.1	6180.7	6210.4	6213.4	6201.5	6176.3	6079.7	6008.4	6004.0
40°	6428.8	6434.7	6523.9	6614.5	6626.4	6613.0	6629.3	6614.5	6515.0	6433.3	6446.6
42.5°	6927.9	6941.3	7048.2	7137.3	7103.2	7095.7	7106.1	7110.6	7030.4	6930.9	6922.0
45°	7508.7	7520.6	7654.3	7725.6	7703.3	7654.3	7675.1	7710.7	7599.3	7476.0	7487.9
47.5°	8171.2	8200.9	8343.5	8410.3	8355.4	8288.5	8328.6	8382.1	8251.4	8098.4	8091.0
50°	8907.9	8945.1	9135.2	9228.8	9173.8	9050.5	9117.4	9153.0	8964.4	8766.8	8750.5
52.5°	9693.7	9730.8	9970.0	10163.1	10127.4	9935.8	10029.4	9992.3	9775.4	9509.5	9488.7
55°	10583.5	10598.3	10856.8	11168.7	11204.4	11063.2	11057.3	10996.4	10675.6	10368.1	10353.2
57.5°	11498.5	11508.9	11843.1	12211.5	12379.3	12379.3	12212.9	12083.7	11657.4	11300.9	11263.8
60°	12486.3	12523.4	12893.3	13393.8	13786.0	13901.8	13607.7	13255.7	12792.2	12357.0	12313.9
62.5°	13365.6	13408.7	13974.6	14720.3	15350.1	15772.0	15053.0	14479.7	13636.0	12937.8	12856.1
65°	13477.0	13592.9	14417.3	15767.5	17177.1	18019.4	16640.9	15228.3	13690.9	12720.9	12637.8
67.5°	12308.0	12504.1	13618.1	15720.0	18632.8	20440.6	17655.4	14800.5	12704.6	11632.2	11540.1
70°	9457.5	9742.7	11027.6	13750.3	18381.8	21220.4	17019.7	12957.1	10592.4	9438.2	9309.0
72.5°	5188.5	5305.8	6461.5	9415.9	14736.6	18032.7	14195.9	9580.8	7024.4	5715.8	5498.9
75°	1645.8	1687.4	2275.6	3853.1	8336.1	11944.1	9017.9	4702.8	2589.0	1908.7	1886.5
77.5°	730.8	735.3	822.9	1124.4	2871.3	6051.5	3449.1	1280.4	882.3	770.9	796.2
80°	462.0	462.0	509.5	557.0	781.3	1757.2	932.8	609.0	519.9	482.8	493.2
82.5°	221.3	245.1	331.2	356.5	429.3	591.2	478.3	398.1	347.6	258.5	240.6
85°	145.6	121.8	209.4	236.2	249.5	283.7	277.8	262.9	227.3	129.2	144.1
87.5°	65.4	62.4	108.4	99.5	93.6	71.3	106.9	132.2	127.7	63.9	63.9
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)