

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: P316562

Luminaire Tested: **GAN-SA8B-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316562
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-SA8B-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 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: 48111 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

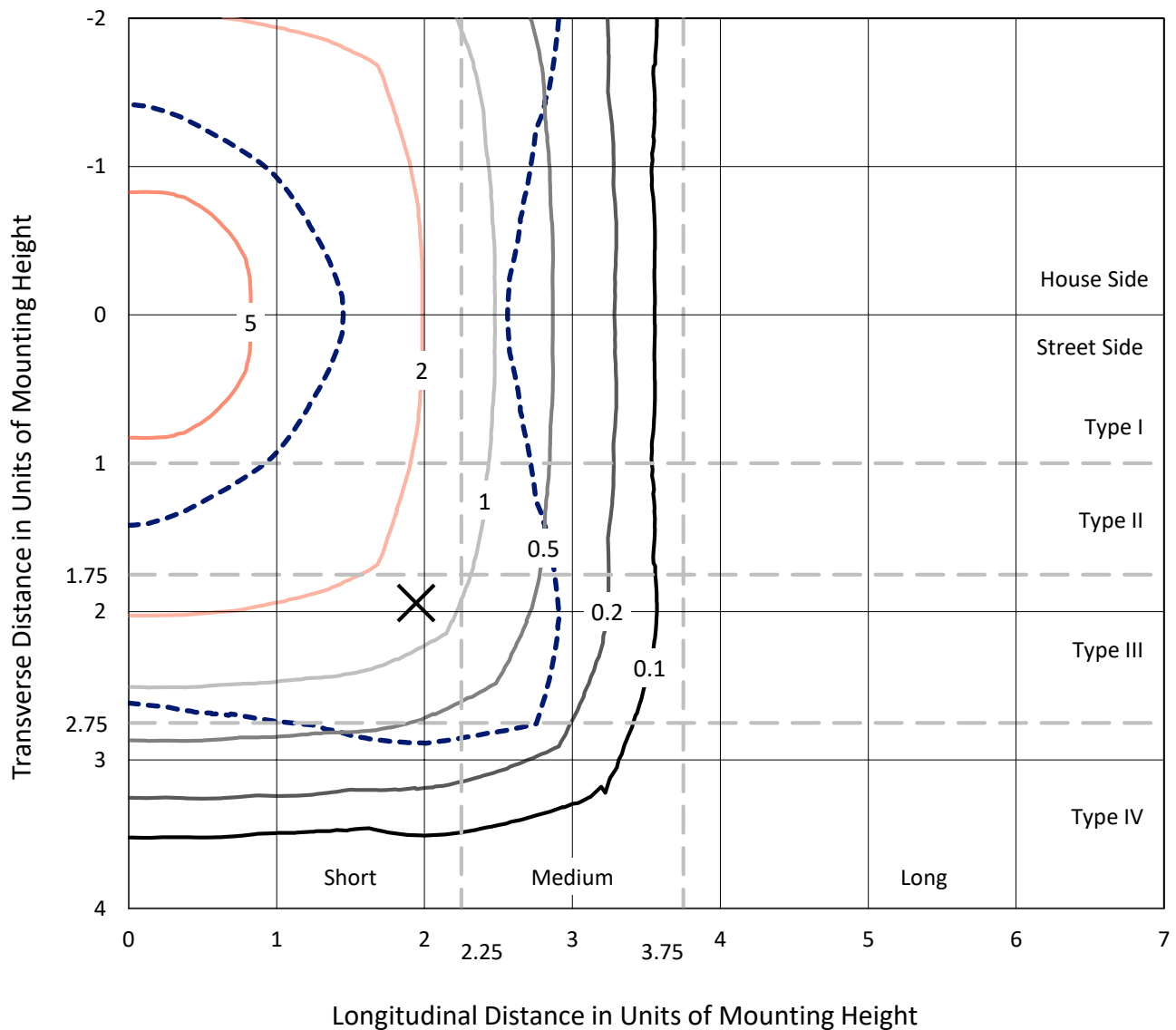
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

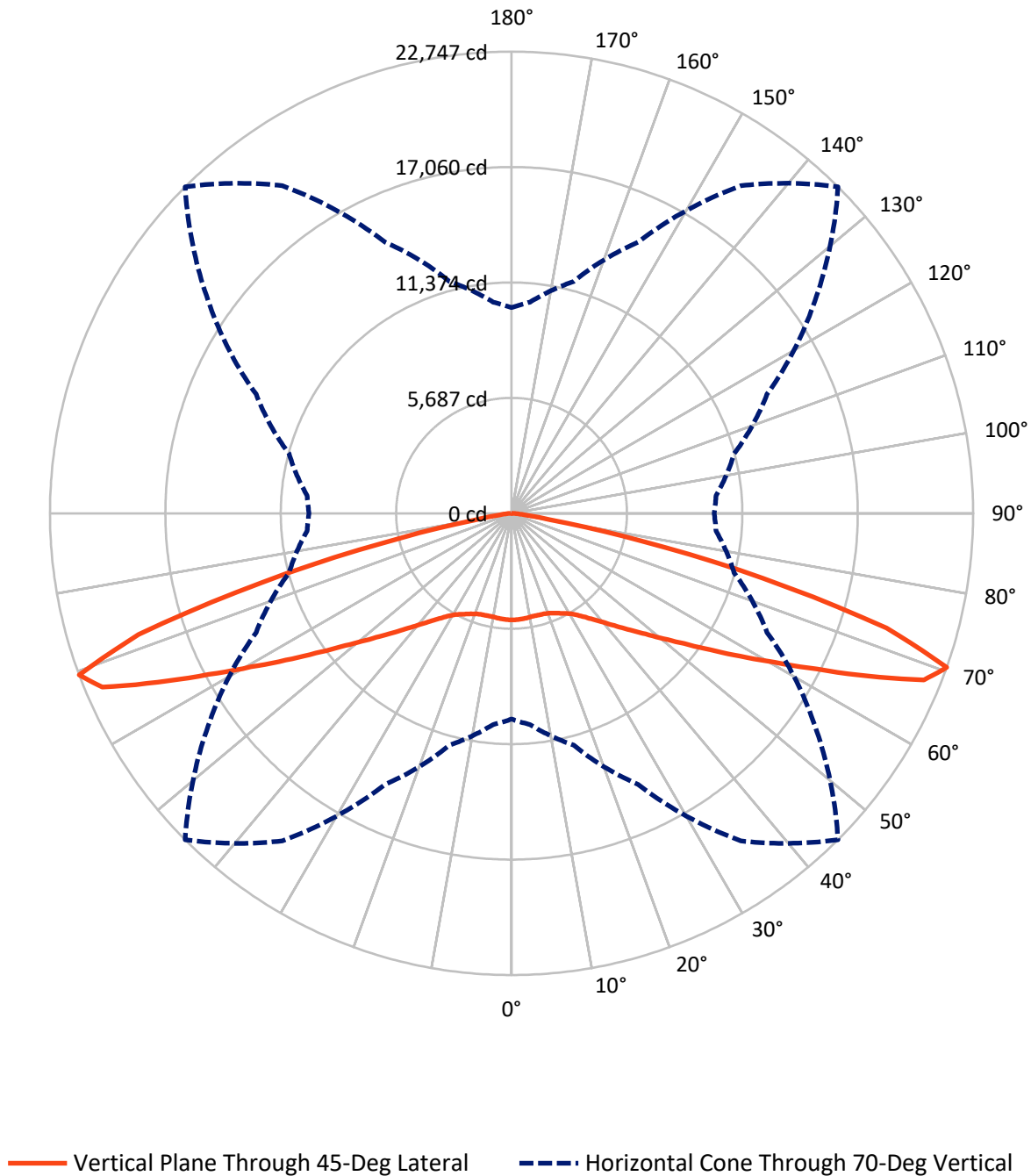
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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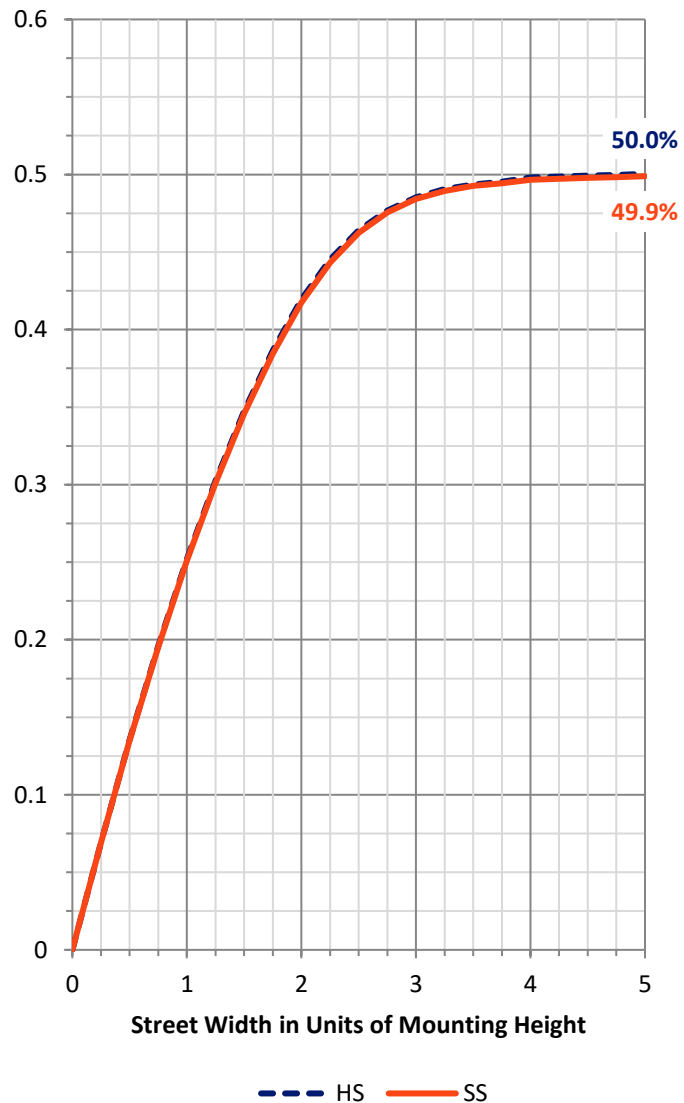
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24055.5	0.0	24055.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24055.5	0.0	24055.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48111.0	0.0	48111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.7	1.0
10°-20°	1461.0	3.0
20°-30°	2487.1	5.2
30°-40°	3944.5	8.2
40°-50°	6418.8	13.3
50°-60°	10583.5	22.0
60°-70°	15536.9	32.3
70°-80°	6870.4	14.3
80°-90°	311.1	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°	48111.0	100.0
0°-180°	48111.0	100.0

Coefficient of Utilization



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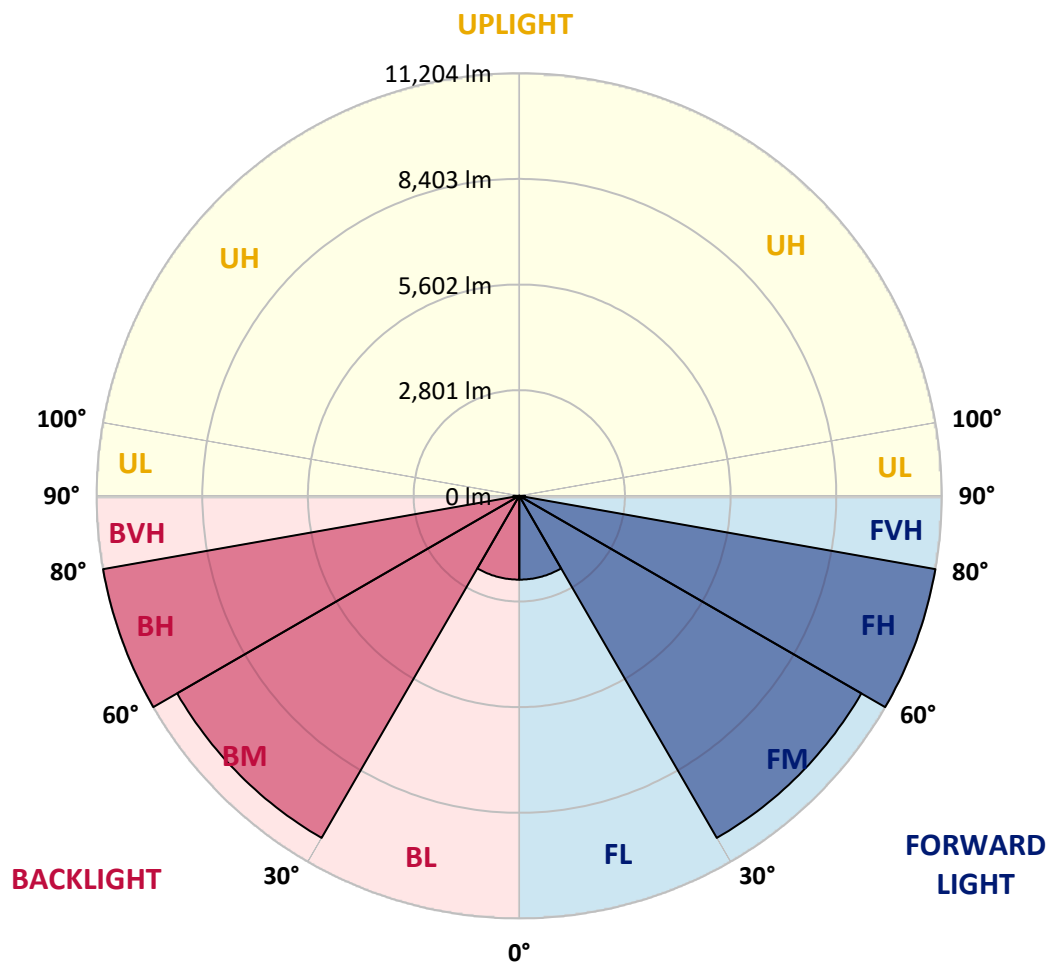
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2222.9	4.6			
FM	(30°-60°)	10473.4	21.8			
FH	(60°-80°)	11203.7	23.3			G4/12000
FVH	(80°-90°)	155.6	0.3			G2/225
BL	(0°-30°)	2222.9	4.6	B3/2500		
BM	(30°-60°)	10473.4	21.8	B5		
BH	(60°-80°)	11203.7	23.3	B5		G4/12000
BVH	(80°-90°)	155.6	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°	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5	5254.5
2.5°	5246.5	5241.7	5252.9	5251.3	5241.7	5243.3	5243.3	5248.1	5248.1	5244.9	5244.9
5°	5227.4	5224.2	5237.0	5237.0	5227.4	5230.6	5233.8	5238.5	5237.0	5233.8	5232.2
7.5°	5203.5	5201.9	5214.7	5214.7	5208.3	5211.5	5208.3	5209.9	5206.7	5203.5	5198.7
10°	5163.7	5166.9	5178.0	5181.2	5181.2	5182.8	5179.6	5171.7	5166.9	5162.1	5157.3
12.5°	5127.1	5125.5	5141.4	5149.4	5162.1	5176.4	5166.9	5144.6	5135.1	5125.5	5122.3
15°	5103.2	5104.8	5120.7	5135.1	5157.3	5187.6	5176.4	5141.4	5122.3	5111.2	5108.0
17.5°	5098.4	5101.6	5122.3	5147.8	5171.7	5205.1	5198.7	5163.7	5131.9	5111.2	5106.4
20°	5109.6	5111.2	5143.0	5179.6	5221.0	5252.9	5238.5	5200.3	5157.3	5125.5	5117.5
22.5°	5130.3	5136.6	5176.4	5233.8	5297.5	5340.5	5322.9	5257.7	5190.8	5151.0	5139.8
25°	5195.6	5197.1	5251.3	5329.3	5405.7	5455.1	5434.4	5342.0	5256.1	5211.5	5197.1
27.5°	5330.9	5335.7	5389.8	5480.6	5545.9	5577.7	5565.0	5490.1	5416.9	5369.1	5373.9
30°	5526.7	5533.1	5593.6	5693.9	5733.7	5741.7	5738.5	5703.5	5636.6	5572.9	5577.7
32.5°	5765.6	5768.8	5850.0	5940.7	5972.6	5978.9	5972.6	5940.7	5861.1	5775.1	5779.9
35°	6072.9	6082.4	6160.5	6248.0	6273.5	6286.3	6275.1	6233.7	6150.9	6066.5	6063.3
37.5°	6451.9	6453.4	6534.6	6625.4	6657.3	6660.4	6647.7	6620.6	6517.1	6440.7	6435.9
40°	6891.3	6897.7	6993.2	7090.3	7103.1	7088.8	7106.3	7090.3	6983.7	6896.1	6910.4
42.5°	7426.3	7440.6	7555.3	7650.8	7614.2	7606.2	7617.4	7622.2	7536.2	7429.5	7419.9
45°	8048.9	8061.6	8204.9	8281.4	8257.5	8204.9	8227.2	8265.4	8146.0	8013.9	8026.6
47.5°	8759.0	8790.9	8943.7	9015.4	8956.5	8884.8	8927.8	8985.1	8845.0	8681.0	8673.1
50°	9548.8	9588.6	9792.4	9892.7	9833.8	9701.7	9773.3	9811.5	9609.3	9397.5	9380.0
52.5°	10391.1	10430.9	10687.3	10894.3	10856.1	10650.7	10751.0	10711.2	10478.7	10193.7	10171.4
55°	11344.9	11360.8	11637.9	11972.2	12010.4	11859.2	11852.8	11787.5	11443.6	11114.0	11098.1
57.5°	12325.7	12336.9	12695.1	13090.0	13269.9	13269.9	13091.6	12953.1	12496.1	12113.9	12074.1
60°	13384.6	13424.4	13820.8	14357.4	14777.8	14902.0	14586.7	14209.4	13712.6	13246.0	13199.9
62.5°	14327.2	14373.4	14980.0	15779.3	16454.5	16906.7	16136.0	15521.4	14617.0	13868.6	13781.0
65°	14446.6	14570.8	15454.5	16901.9	18412.9	19315.7	17838.1	16323.9	14675.9	13636.1	13547.0
67.5°	13193.5	13403.7	14597.9	16850.9	19973.4	21911.1	18925.6	15865.3	13618.6	12469.0	12370.3
70°	10137.9	10443.7	11821.0	14739.6	19704.3	22747.1	18244.2	13889.3	11354.4	10117.2	9978.7
72.5°	5561.8	5687.6	6926.3	10093.4	15796.8	19330.1	15217.3	10270.1	7529.8	6127.0	5894.6
75°	1764.2	1808.8	2439.3	4130.3	8935.8	12803.4	9666.6	5041.1	2775.3	2046.1	2022.2
77.5°	783.4	788.2	882.1	1205.3	3077.8	6486.9	3697.2	1372.5	945.8	826.4	853.5
80°	495.2	495.2	546.1	597.1	837.5	1883.6	999.9	652.8	557.3	517.5	528.6
82.5°	237.2	262.7	355.1	382.1	460.2	633.7	512.7	426.7	372.6	277.1	257.9
85°	156.0	130.6	224.5	253.2	267.5	304.1	297.8	281.8	243.6	138.5	154.4
87.5°	70.1	66.9	116.2	106.7	100.3	76.4	114.6	141.7	136.9	68.5	68.5
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)