

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: P316342

Luminaire Tested: **GAN-SA8D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52048 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 511
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



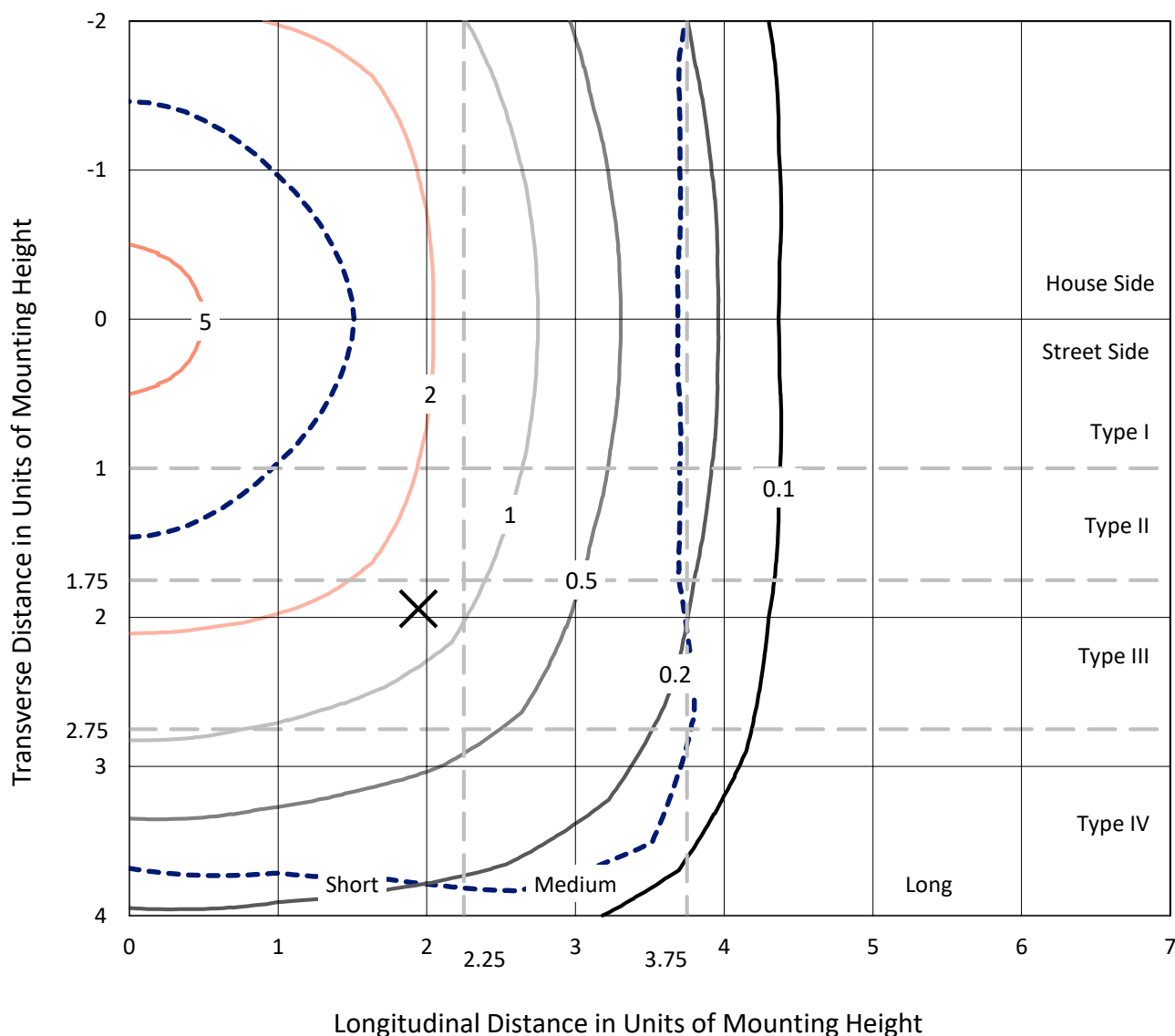
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

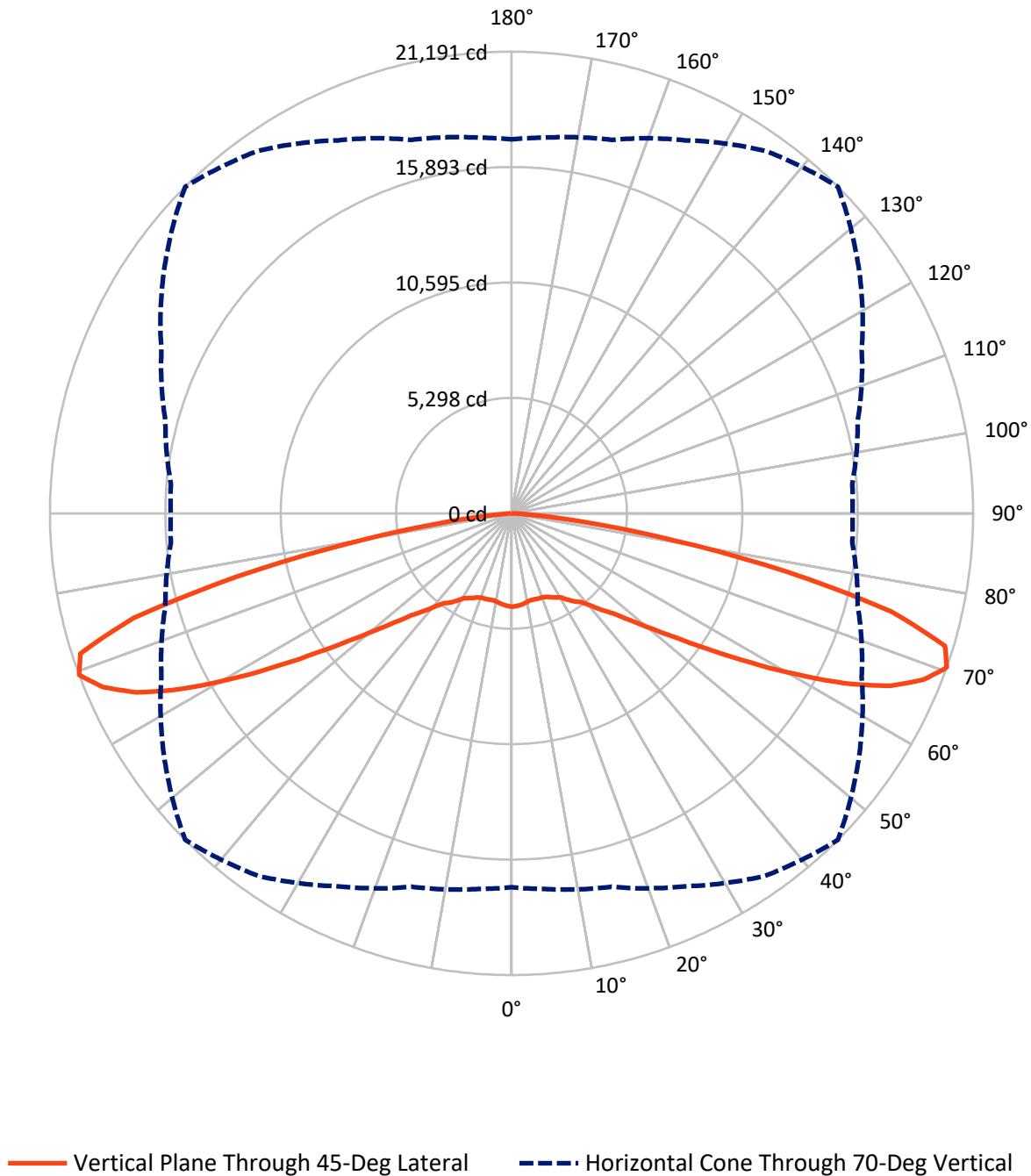


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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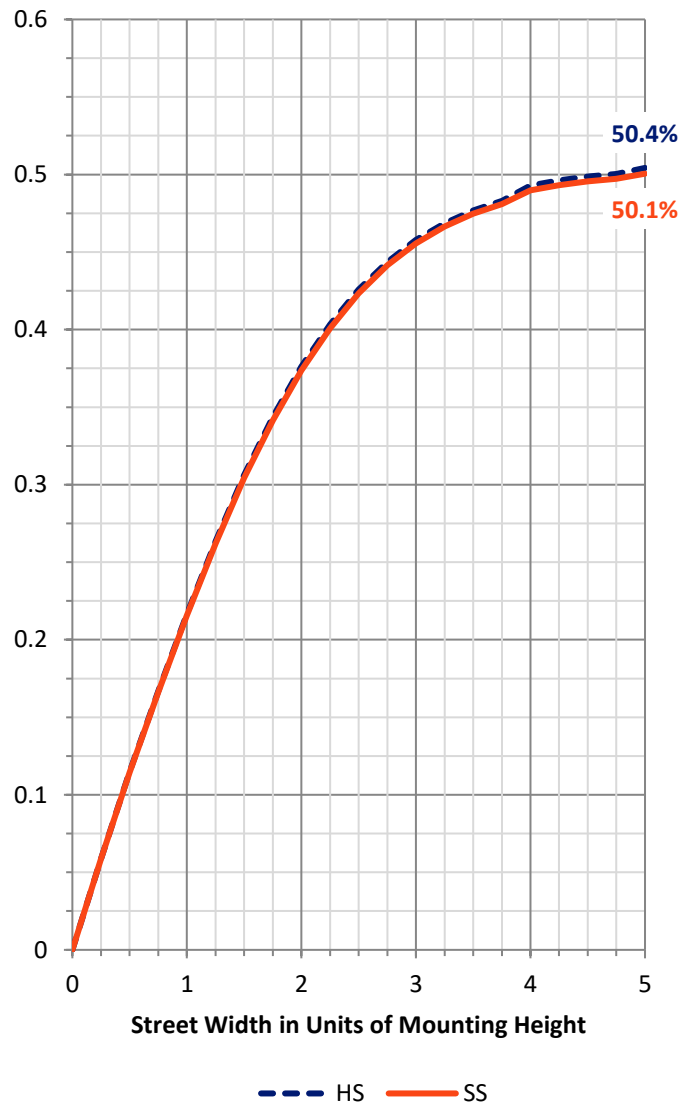
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26024.0	0.0	26024.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26024.0	0.0	26024.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52048.0	0.0	52048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.8	0.8
10°-20°	1167.8	2.2
20°-30°	1991.1	3.8
30°-40°	3111.2	6.0
40°-50°	5272.7	10.1
50°-60°	9615.2	18.5
60°-70°	16553.2	31.8
70°-80°	12975.0	24.9
80°-90°	962.1	1.8
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°	52048.0	100.0
0°-180°	52048.0	100.0

Coefficient of Utilization



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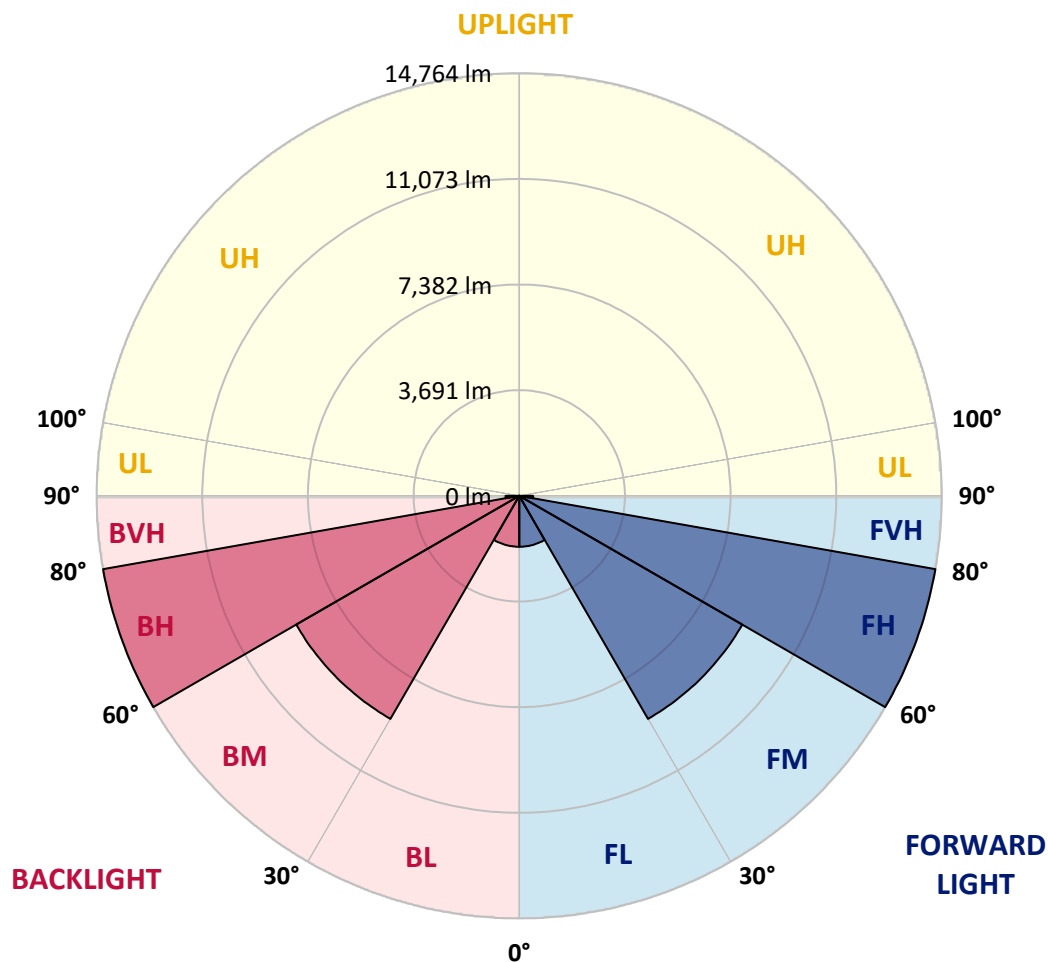
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1779.4	3.4			
FM	(30°-60°)	8999.5	17.3			
FH	(60°-80°)	14764.1	28.4			G5
FVH	(80°-90°)	481.0	0.9			G3/500
BL	(0°-30°)	1779.4	3.4	B3/2500		
BM	(30°-60°)	8999.5	17.3	B5		
BH	(60°-80°)	14764.1	28.4	B5		G5
BVH	(80°-90°)	481.0	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6	4283.6
2.5°	4264.6	4269.8	4264.6	4268.1	4259.5	4262.9	4262.9	4262.9	4261.2	4262.9	4259.5
5°	4226.7	4230.2	4223.3	4226.7	4221.6	4226.7	4228.5	4226.7	4223.3	4225.0	4218.1
7.5°	4169.9	4173.4	4168.2	4173.4	4166.5	4175.1	4173.4	4168.2	4163.0	4163.0	4156.2
10°	4138.9	4140.7	4126.9	4121.7	4106.2	4109.7	4114.8	4120.0	4125.2	4135.5	4133.8
12.5°	4140.7	4140.7	4120.0	4097.6	4075.2	4080.4	4089.0	4107.9	4128.6	4147.5	4149.3
15°	4157.9	4156.2	4125.2	4089.0	4073.5	4089.0	4094.2	4106.2	4138.9	4171.6	4173.4
17.5°	4169.9	4169.9	4121.7	4080.4	4078.7	4102.8	4101.1	4106.2	4142.4	4190.6	4192.3
20°	4192.3	4192.3	4130.3	4085.6	4085.6	4111.4	4113.1	4121.7	4157.9	4211.2	4219.9
22.5°	4242.2	4244.0	4178.5	4142.4	4145.8	4161.3	4166.5	4180.3	4213.0	4271.5	4281.8
25°	4312.8	4316.3	4249.1	4228.5	4240.5	4269.8	4266.3	4276.7	4312.8	4369.6	4380.0
27.5°	4411.0	4402.4	4340.4	4331.8	4343.8	4364.5	4362.8	4364.5	4393.7	4445.4	4457.4
30°	4538.4	4534.9	4490.2	4495.3	4490.2	4483.3	4485.0	4498.8	4514.3	4555.6	4567.6
32.5°	4662.3	4665.8	4638.2	4664.1	4701.9	4727.8	4688.2	4650.3	4633.1	4655.4	4665.8
35°	4886.1	4894.8	4851.7	4834.5	4886.1	4961.9	4850.0	4788.0	4822.4	4851.7	4860.3
37.5°	5266.6	5271.8	5199.5	5130.6	5092.8	5165.1	5053.2	5058.3	5178.8	5233.9	5232.2
40°	5700.5	5702.2	5654.0	5593.8	5528.3	5545.6	5500.8	5514.6	5593.8	5643.7	5657.5
42.5°	6217.0	6211.8	6136.1	6050.0	6031.1	6048.3	5972.5	5962.2	6053.5	6143.0	6144.7
45°	6886.7	6874.7	6776.6	6681.9	6590.6	6552.7	6533.8	6583.7	6709.4	6792.1	6793.8
47.5°	7608.1	7575.4	7523.8	7448.0	7368.8	7330.9	7300.0	7324.1	7415.3	7448.0	7451.5
50°	8350.2	8357.1	8367.4	8338.1	8308.9	8296.8	8215.9	8169.4	8197.0	8136.7	8128.1
52.5°	9230.0	9243.7	9343.6	9428.0	9477.9	9503.7	9350.5	9190.4	9100.8	8983.8	8949.3
55°	10268.1	10290.5	10436.9	10671.0	10912.1	11039.5	10762.3	10462.7	10185.5	9966.8	9896.3
57.5°	11425.1	11464.7	11666.2	12115.5	12609.6	12910.9	12442.6	11898.6	11363.1	11048.1	10993.0
60°	12781.8	12819.7	13098.6	13742.5	14543.1	14995.9	14286.6	13396.4	12730.2	12428.9	12327.3
62.5°	14396.7	14400.2	14742.8	15495.2	16552.3	17182.4	16221.7	15032.1	14345.1	13981.8	13883.7
65°	16133.9	16142.5	16497.2	17309.8	18403.1	19088.3	18003.7	16764.1	15923.9	15388.4	15312.7
67.5°	17361.5	17397.6	17771.3	18749.2	19771.9	20389.9	19267.4	17865.9	16894.9	16256.2	16192.5
70°	17165.2	17306.4	17745.4	18886.9	20309.0	21190.5	19472.3	17735.1	16454.2	15700.1	15646.7
72.5°	14970.1	15240.4	15825.7	17323.6	19598.0	20811.8	18354.9	15884.3	14434.6	13792.4	13696.0
75°	10194.1	10633.1	11516.4	13677.1	16743.4	18019.2	15452.1	12664.7	11301.2	10412.8	10347.3
77.5°	4545.3	4645.1	5764.2	8252.0	11554.2	12940.2	11227.1	8284.8	6218.7	4960.2	4695.0
80°	1267.2	1282.7	1711.4	3073.2	5783.1	7603.0	6208.4	3228.2	1814.7	1279.2	1205.2
82.5°	402.9	437.3	533.7	797.1	1943.8	3469.2	1995.4	860.8	612.9	489.0	440.8
85°	196.3	194.6	270.3	323.7	495.8	767.9	528.6	399.4	349.5	232.4	210.0
87.5°	82.6	84.4	125.7	113.6	144.6	124.0	170.4	179.1	187.7	103.3	89.5
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)