

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: P317283

Luminaire Tested: **GAN-SA9B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41499 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

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



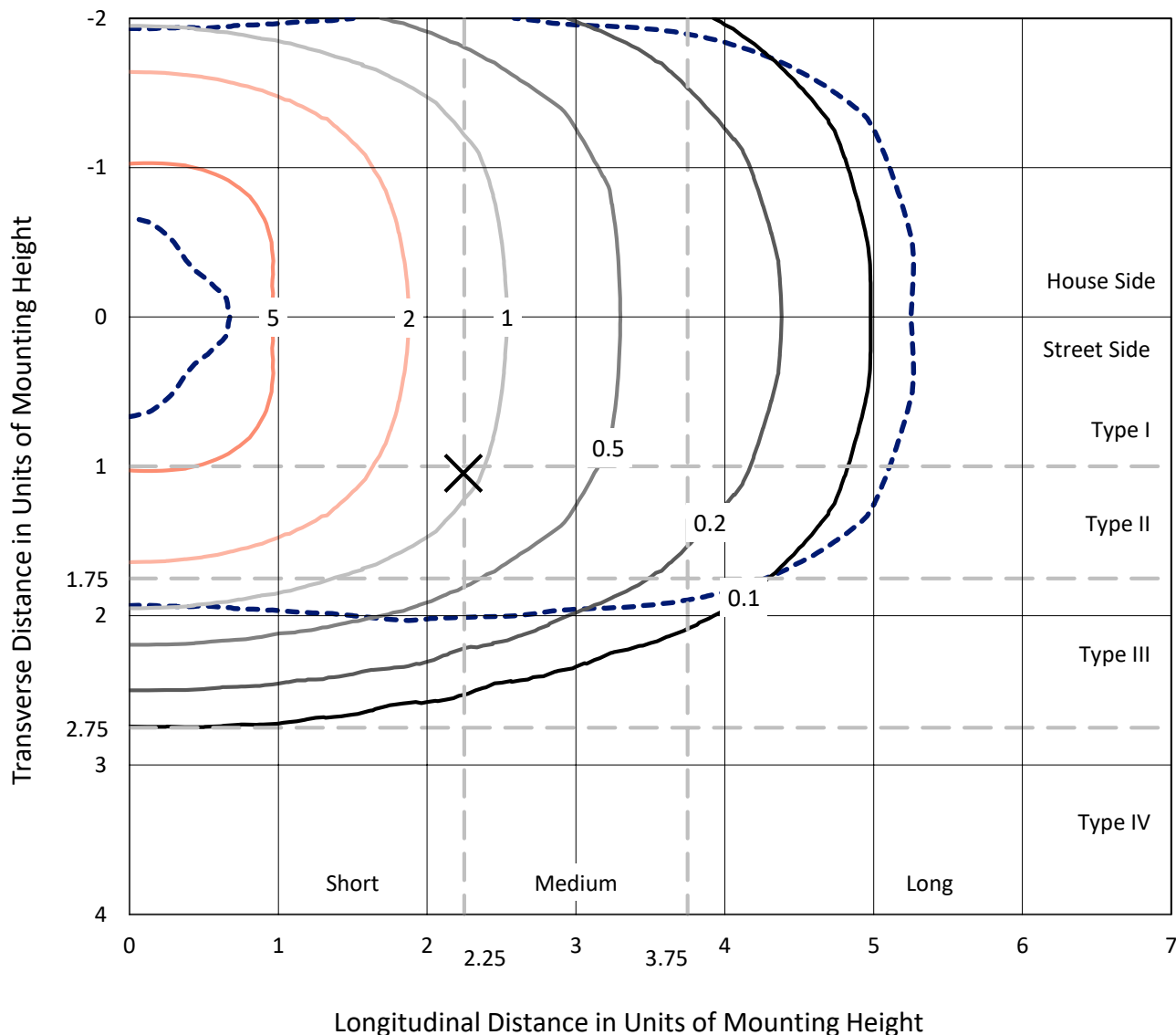
REPORT NUMBER: P317283

CATALOG NUMBER: GAN-SA9B-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

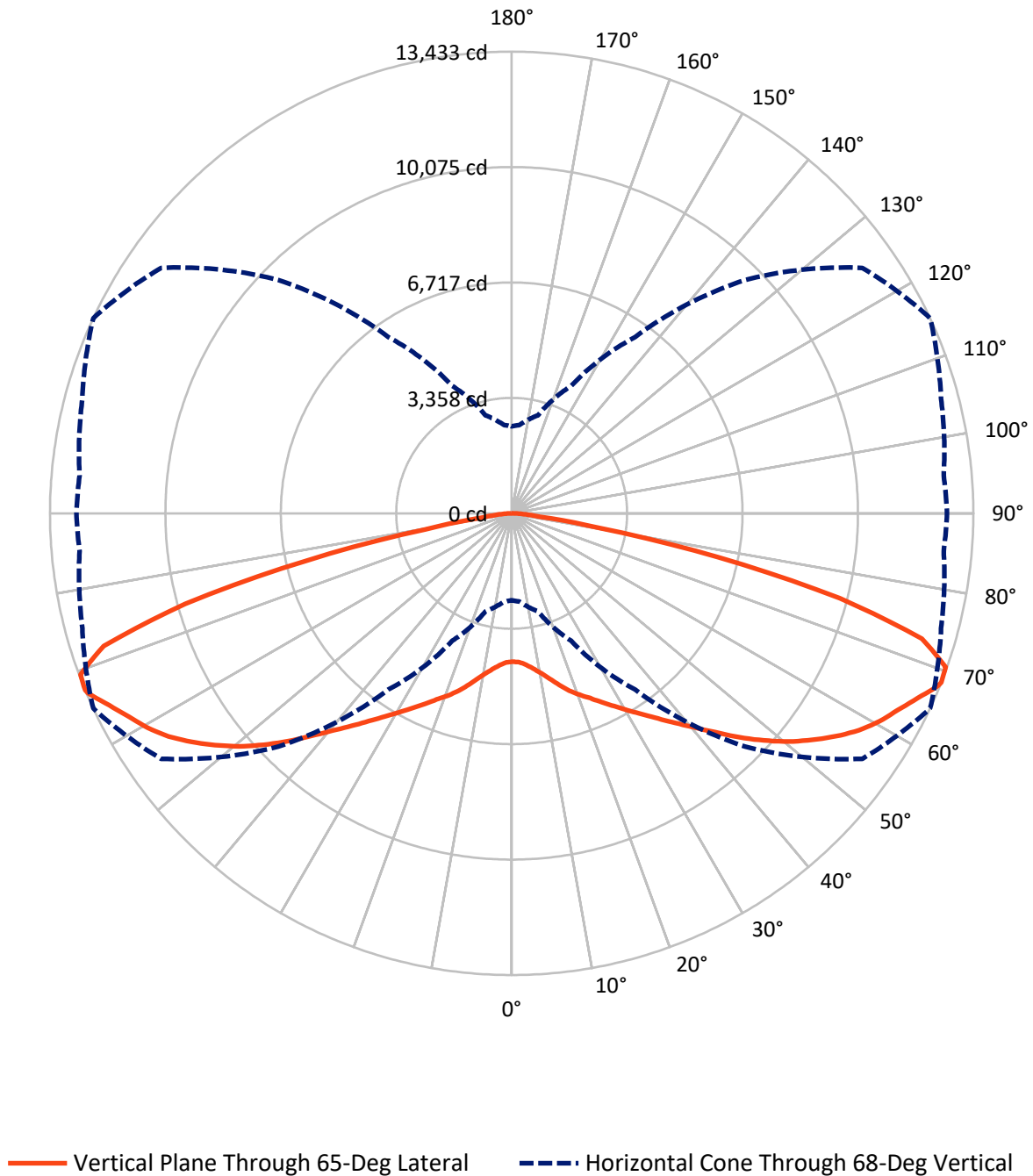


Based on 25 foot mounting height. Maximum calculated value = 7.8 fc

Type III - Short - N/A

REPORT NUMBER: P317283
CATALOG NUMBER: GAN-SA9B-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317283

CATALOG NUMBER: GAN-SA9B-830-U-RW

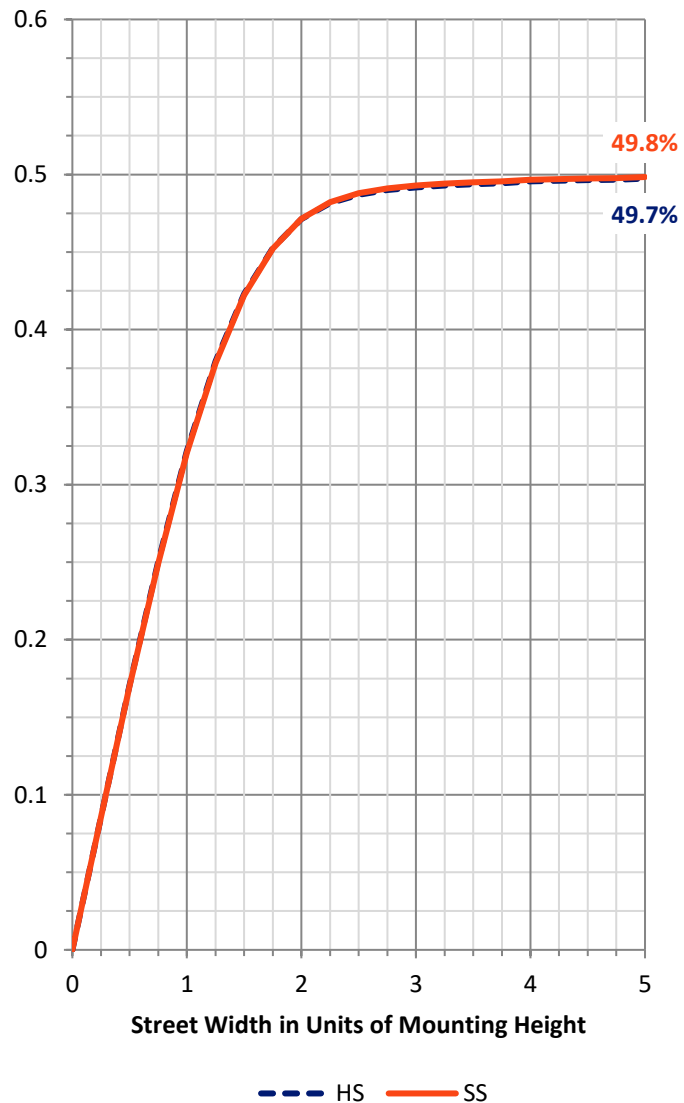
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20749.5	0.0	20749.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20749.5	0.0	20749.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41499.0	0.0	41499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.5	1.0
10°-20°	1414.6	3.4
20°-30°	2758.1	6.6
30°-40°	4633.3	11.2
40°-50°	7300.5	17.6
50°-60°	9763.2	23.5
60°-70°	9491.0	22.9
70°-80°	5188.3	12.5
80°-90°	527.7	1.3
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°	41499.0	100.0
0°-180°	41499.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317283

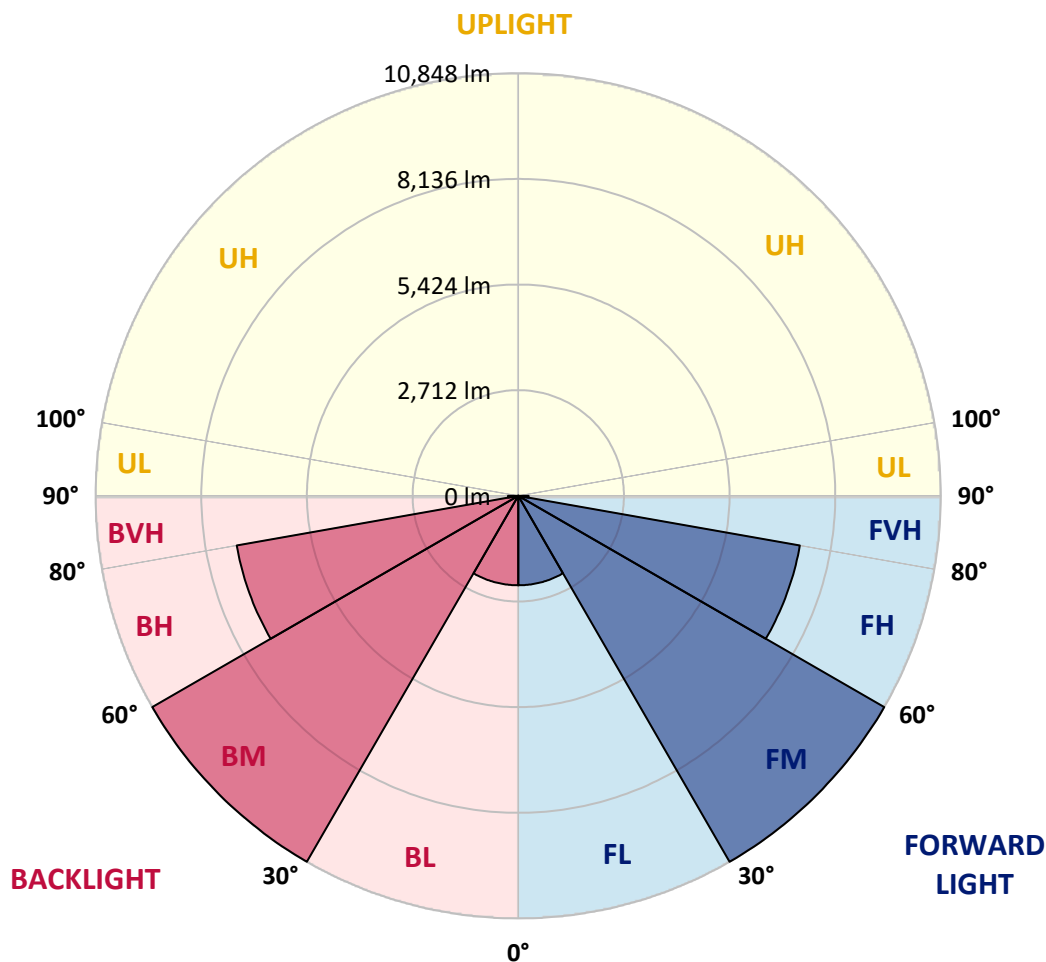
CATALOG NUMBER: GAN-SA9B-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2297.5	5.5			
FM	(30°-60°)	10848.5	26.1			
FH	(60°-80°)	7339.6	17.7			G3/7500
FVH	(80°-90°)	263.8	0.6			G3/500
BL	(0°-30°)	2297.5	5.5	B3/2500		
BM	(30°-60°)	10848.5	26.1	B5		
BH	(60°-80°)	7339.6	17.7	B5		G5
BVH	(80°-90°)	263.8	0.6			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 III Short





REPORT NUMBER: P317283

CATALOG NUMBER: GAN-SA9B-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9	4314.9
2.5°	4284.3	4285.7	4292.7	4301.0	4308.0	4326.1	4330.2	4337.2	4340.0	4346.9	4346.9
5°	4246.7	4249.5	4266.2	4288.5	4313.5	4358.1	4390.1	4426.2	4444.3	4463.8	4462.4
7.5°	4242.6	4249.5	4273.2	4309.4	4351.1	4424.8	4491.6	4564.0	4612.7	4657.2	4654.4
10°	4285.7	4296.8	4330.2	4384.5	4447.1	4538.9	4637.7	4735.1	4820.0	4888.2	4891.0
12.5°	4351.1	4365.0	4417.9	4500.0	4594.6	4712.9	4829.8	4939.7	5056.6	5158.1	5166.5
15°	4437.4	4455.5	4534.8	4657.2	4801.9	4942.5	5067.7	5180.4	5315.4	5455.9	5469.8
17.5°	4565.4	4590.4	4694.8	4860.4	5051.0	5205.5	5336.3	5421.1	5533.8	5678.6	5705.0
20°	4760.2	4792.2	4924.4	5122.0	5354.3	5515.8	5615.9	5634.0	5689.7	5819.1	5849.7
22.5°	5013.4	5041.3	5188.8	5423.9	5684.1	5859.4	5912.3	5840.0	5834.4	5938.8	5968.0
25°	5295.9	5320.9	5492.1	5756.5	6036.2	6229.6	6228.2	6087.6	5990.2	6070.9	6101.6
27.5°	5613.2	5652.1	5816.3	6094.6	6393.8	6584.4	6573.3	6356.2	6171.1	6192.0	6218.4
30°	5977.7	6020.9	6180.9	6463.3	6762.5	6949.0	6935.0	6648.4	6370.1	6314.4	6333.9
32.5°	6429.9	6481.4	6633.1	6911.4	7175.8	7344.1	7303.8	6965.7	6609.4	6488.4	6506.5
35°	6974.0	7004.6	7164.6	7438.7	7653.0	7768.5	7683.6	7333.0	6912.8	6766.7	6766.7
37.5°	7525.0	7548.7	7728.2	7993.9	8201.3	8262.5	8096.9	7735.1	7309.3	7102.0	7106.2
40°	8053.8	8117.8	8319.5	8592.3	8796.8	8813.5	8593.7	8194.3	7750.4	7536.2	7561.2
42.5°	8606.2	8668.8	8909.5	9218.4	9399.3	9427.1	9169.7	8709.2	8248.6	8074.6	8102.5
45°	9098.8	9148.9	9427.1	9786.1	10011.6	10083.9	9779.2	9299.1	8787.1	8617.3	8624.3
47.5°	9442.5	9507.9	9814.0	10237.0	10565.4	10676.7	10377.5	9873.8	9317.2	9111.3	9129.4
50°	9754.1	9788.9	10099.2	10561.2	10978.6	11208.2	10952.2	10441.5	9852.9	9634.5	9654.0
52.5°	9928.1	9972.6	10273.2	10754.6	11248.6	11618.7	11462.9	10952.2	10370.6	10157.7	10181.3
55°	9807.0	9840.4	10200.8	10797.7	11415.5	11871.9	11895.6	11451.7	10878.4	10692.0	10758.8
57.5°	9256.0	9297.7	9737.4	10519.4	11436.4	12043.1	12221.2	11915.1	11352.9	11201.3	11240.2
60°	8394.7	8421.1	8890.0	9769.4	11030.1	12114.1	12428.5	12293.6	11817.7	11666.0	11718.9
62.5°	6859.9	6898.9	7459.6	8638.2	10171.6	11903.9	12628.9	12606.6	12250.4	12111.3	12158.6
65°	4689.2	4757.4	5378.0	6868.2	8848.3	11261.1	12811.2	12971.2	12633.1	12457.7	12520.4
67.5°	2831.6	2881.7	3331.2	4534.8	6770.8	9964.2	12623.3	13385.9	12903.0	12620.5	12672.0
68°	2531.1	2577.0	2952.7	4092.3	6263.0	9598.3	12452.2	13433.2	12932.2	12617.8	12663.7
70°	1529.2	1559.8	1811.7	2529.7	4175.8	7614.1	11284.7	13394.2	13118.7	12656.7	12683.2
72.5°	996.3	1006.0	1047.8	1298.2	2133.1	4257.9	8469.8	12481.4	13398.4	12883.5	12879.4
75°	827.9	822.4	826.5	855.7	1051.9	1867.3	4949.4	9859.9	12772.2	12525.9	12438.3
77.5°	699.9	695.7	694.3	695.7	704.1	901.7	2148.4	6141.9	9773.6	11080.2	11158.1
80°	566.3	560.8	578.8	570.5	545.5	560.8	900.3	2554.7	4607.1	4956.4	4644.7
82.5°	411.9	391.0	468.9	446.7	425.8	395.2	496.8	825.1	1099.3	754.2	530.1
85°	317.3	295.0	356.2	342.3	292.2	201.8	295.0	403.5	445.3	254.6	200.4
87.5°	129.4	136.4	257.4	203.2	171.1	97.4	121.1	161.4	217.1	108.5	83.5
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)