

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: P317201

Luminaire Tested: **GAN-SA7B-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317201
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-SA7B-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41317 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 295
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

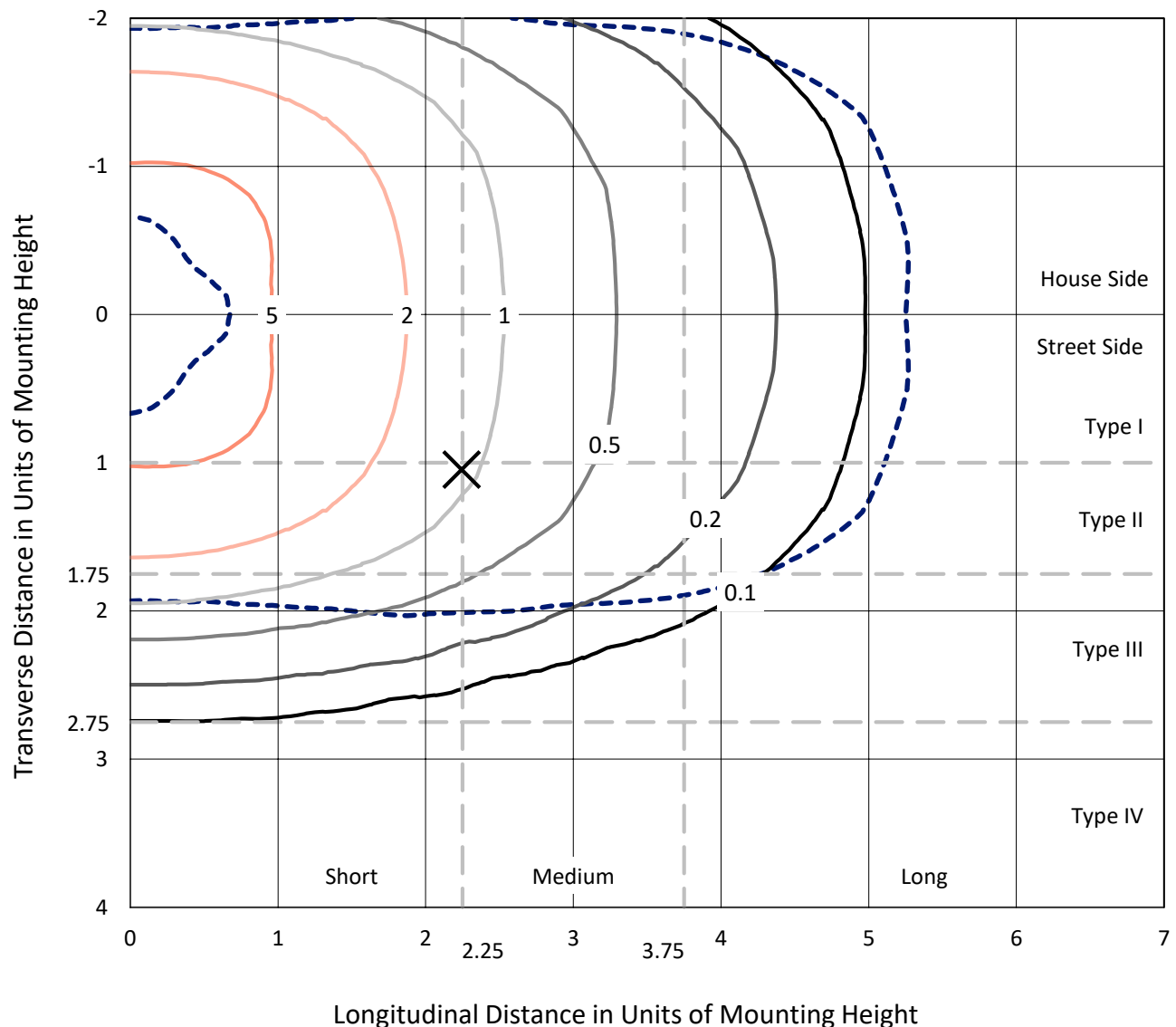


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Iso-Footcandle Lines of Horizontal Illumination

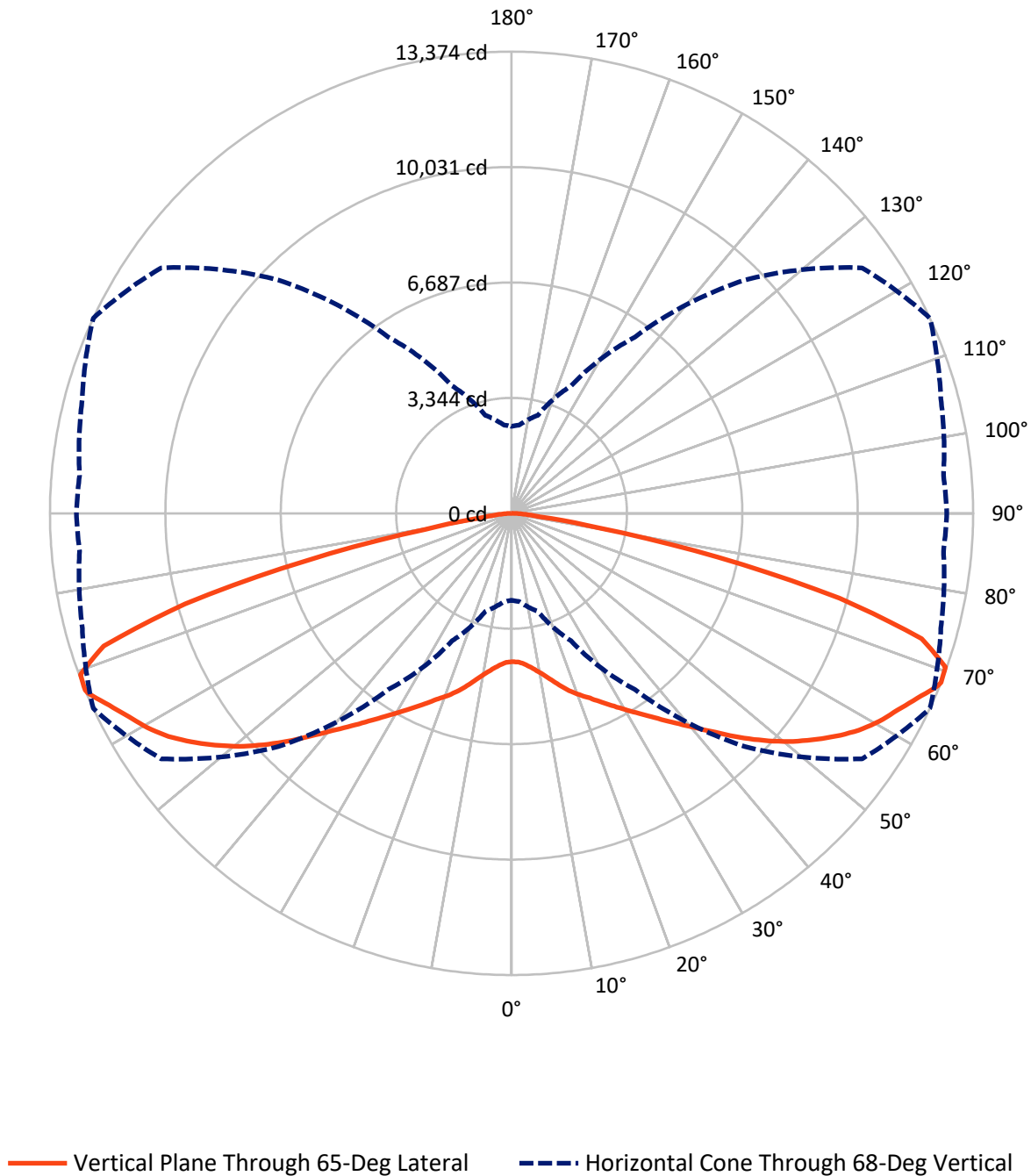
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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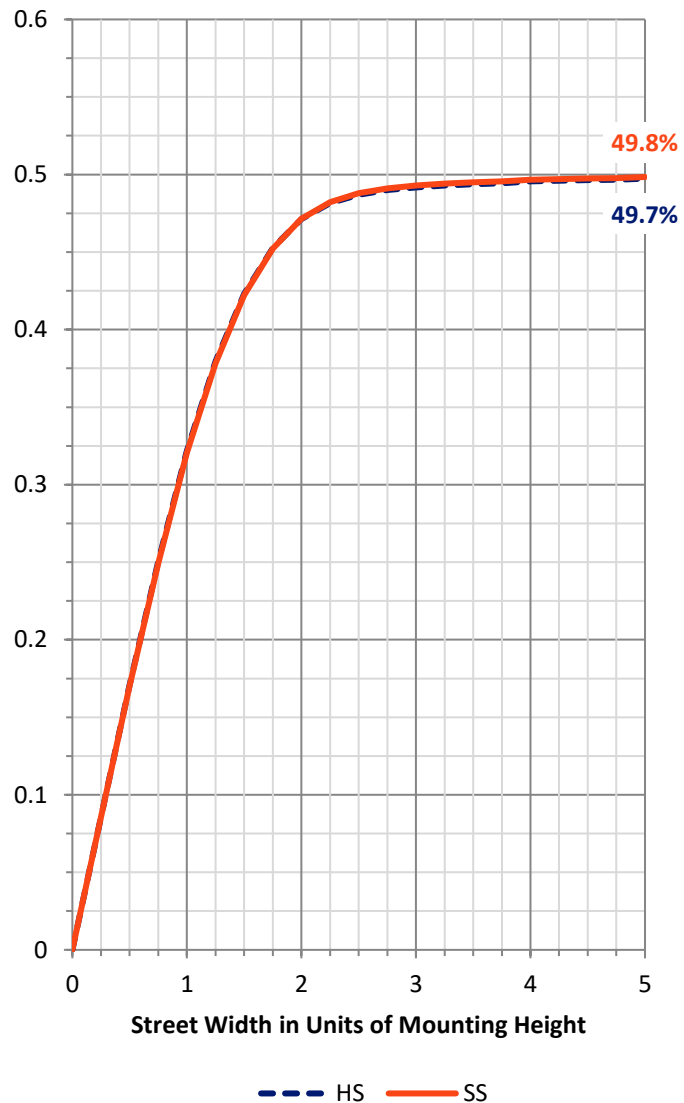
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20658.5	0.0	20658.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20658.5	0.0	20658.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41317.0	0.0	41317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.6	1.0
10°-20°	1408.4	3.4
20°-30°	2746.0	6.6
30°-40°	4613.0	11.2
40°-50°	7268.5	17.6
50°-60°	9720.3	23.5
60°-70°	9449.4	22.9
70°-80°	5165.5	12.5
80°-90°	525.3	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°	41317.0	100.0
0°-180°	41317.0	100.0

Coefficient of Utilization



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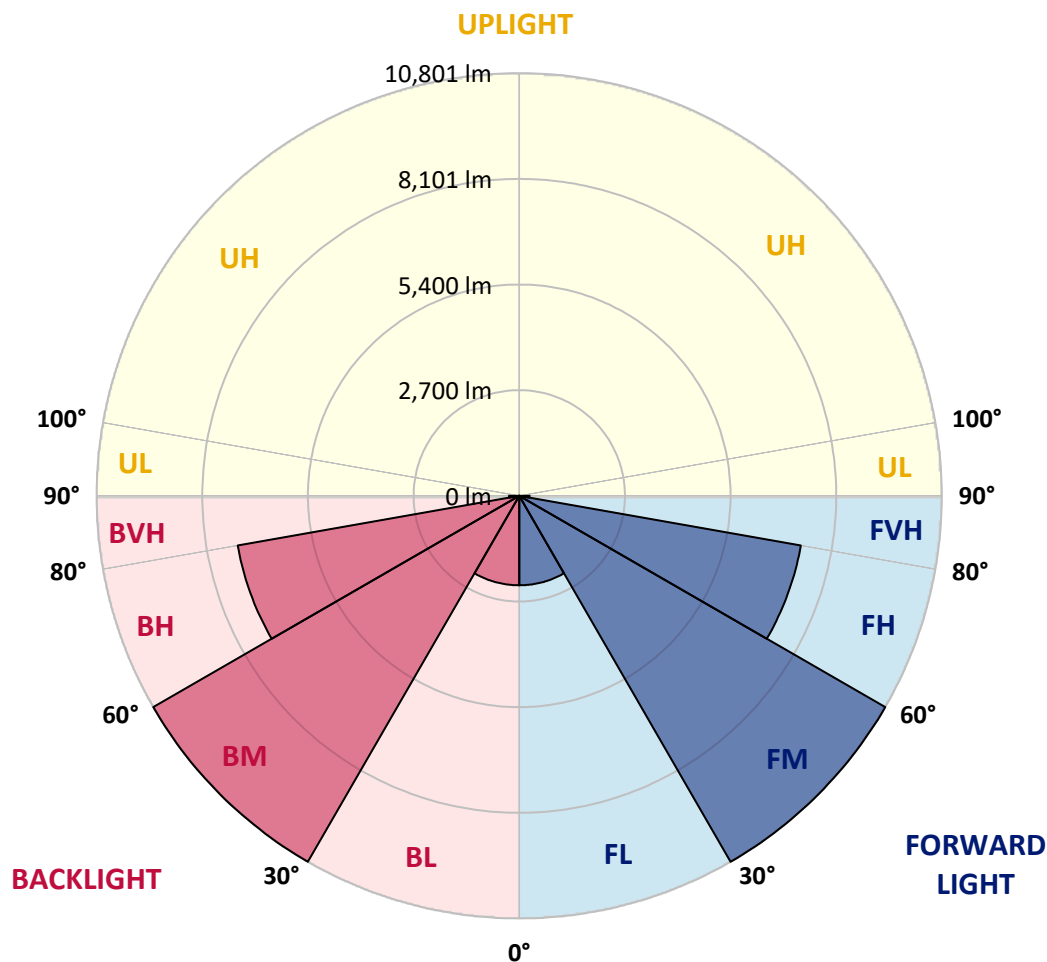
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2287.5	5.5			
FM	(30°-60°)	10800.9	26.1			
FH	(60°-80°)	7307.5	17.7			G3/7500
FVH	(80°-90°)	262.7	0.6			G3/500
BL	(0°-30°)	2287.5	5.5	B3/2500		
BM	(30°-60°)	10800.9	26.1	B5		
BH	(60°-80°)	7307.5	17.7	B5		G5
BVH	(80°-90°)	262.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0	4296.0
2.5°	4265.5	4266.9	4273.8	4282.1	4289.1	4307.1	4311.2	4318.2	4320.9	4327.9	4327.9
5°	4228.1	4230.9	4247.5	4269.7	4294.6	4338.9	4370.8	4406.8	4424.8	4444.2	4442.8
7.5°	4224.0	4230.9	4254.4	4290.5	4332.0	4405.4	4471.9	4544.0	4592.5	4636.8	4634.0
10°	4266.9	4278.0	4311.2	4365.3	4427.6	4519.0	4617.4	4714.4	4798.9	4866.8	4869.5
12.5°	4332.0	4345.9	4398.5	4480.2	4574.5	4692.2	4808.6	4918.0	5034.4	5135.5	5143.8
15°	4417.9	4435.9	4514.9	4636.8	4780.9	4920.8	5045.5	5157.7	5292.1	5432.0	5445.8
17.5°	4545.4	4570.3	4674.2	4839.1	5028.9	5182.6	5312.8	5397.4	5509.6	5653.6	5680.0
20°	4739.3	4771.2	4902.8	5099.5	5330.9	5491.6	5591.3	5609.3	5664.7	5793.6	5824.0
22.5°	4991.4	5019.2	5166.0	5400.1	5659.2	5833.7	5886.4	5814.3	5808.8	5912.7	5941.8
25°	5272.7	5297.6	5468.0	5731.2	6009.7	6202.2	6200.9	6060.9	5964.0	6044.3	6074.8
27.5°	5588.5	5627.3	5790.8	6067.9	6365.7	6555.5	6544.4	6328.3	6144.1	6164.8	6191.2
30°	5951.5	5994.4	6153.8	6435.0	6732.8	6918.5	6904.6	6619.2	6342.2	6286.8	6306.2
32.5°	6401.7	6453.0	6604.0	6881.1	7144.3	7311.9	7271.7	6935.1	6580.5	6459.9	6477.9
35°	6943.4	6973.9	7133.2	7406.1	7619.5	7734.5	7649.9	7300.8	6882.5	6737.0	6737.0
37.5°	7492.0	7515.6	7694.3	7958.9	8165.3	8226.3	8061.4	7701.2	7277.3	7070.9	7075.0
40°	8018.5	8082.2	8283.1	8554.6	8758.2	8774.9	8556.0	8158.4	7716.4	7503.1	7528.0
42.5°	8568.4	8630.8	8870.4	9178.0	9358.1	9385.8	9129.5	8671.0	8212.4	8039.2	8066.9
45°	9058.9	9108.7	9385.8	9743.2	9967.7	10039.7	9736.3	9258.3	8748.5	8579.5	8586.5
47.5°	9401.0	9466.2	9770.9	10192.1	10519.0	10629.9	10332.0	9830.5	9276.4	9071.3	9089.3
50°	9711.4	9746.0	10054.9	10514.9	10930.5	11159.1	10904.2	10395.7	9809.7	9592.2	9611.6
52.5°	9884.5	9928.9	10228.1	10707.4	11199.2	11567.7	11412.6	10904.2	10325.1	10113.1	10136.7
55°	9764.0	9797.3	10156.1	10750.4	11365.5	11819.9	11843.4	11401.5	10830.7	10645.1	10711.6
57.5°	9215.4	9257.0	9694.7	10473.3	11386.3	11990.3	12167.6	11862.8	11303.1	11152.1	11190.9
60°	8357.9	8384.2	8851.1	9726.6	10981.7	12060.9	12374.0	12239.6	11765.8	11614.8	11667.5
62.5°	6829.8	6868.6	7426.9	8600.3	10127.0	11851.7	12573.5	12551.3	12196.7	12058.2	12105.3
65°	4668.7	4736.5	5354.4	6838.1	8809.5	11211.7	12755.0	12914.3	12577.7	12403.1	12465.5
67.5°	2819.2	2869.1	3316.5	4514.9	6741.2	9920.6	12568.0	13327.1	12846.4	12565.2	12616.5
68°	2520.0	2565.7	2939.7	4074.3	6235.5	9556.2	12397.6	13374.2	12875.5	12562.4	12608.1
70°	1522.5	1553.0	1803.7	2518.6	4157.5	7580.7	11235.3	13335.5	13061.2	12601.2	12627.5
72.5°	991.9	1001.6	1043.2	1292.5	2123.8	4239.2	8432.7	12426.7	13339.6	12827.0	12822.9
75°	824.3	818.7	822.9	852.0	1047.3	1859.2	4927.7	9816.6	12716.2	12471.0	12383.7
77.5°	696.8	692.7	691.3	692.7	701.0	897.7	2139.0	6115.0	9730.8	11031.6	11109.2
80°	563.8	558.3	576.3	568.0	543.1	558.3	896.3	2543.5	4586.9	4934.6	4624.3
82.5°	410.1	389.3	466.9	444.7	423.9	393.4	494.6	821.5	1094.4	750.9	527.8
85°	315.9	293.7	354.7	340.8	290.9	200.9	293.7	401.8	443.3	253.5	199.5
87.5°	128.8	135.8	256.3	202.3	170.4	97.0	120.5	160.7	216.1	108.1	83.1
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)