

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: P317200

Luminaire Tested: **GAN-SA6B-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317200
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-SA6B-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 34937 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 249
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

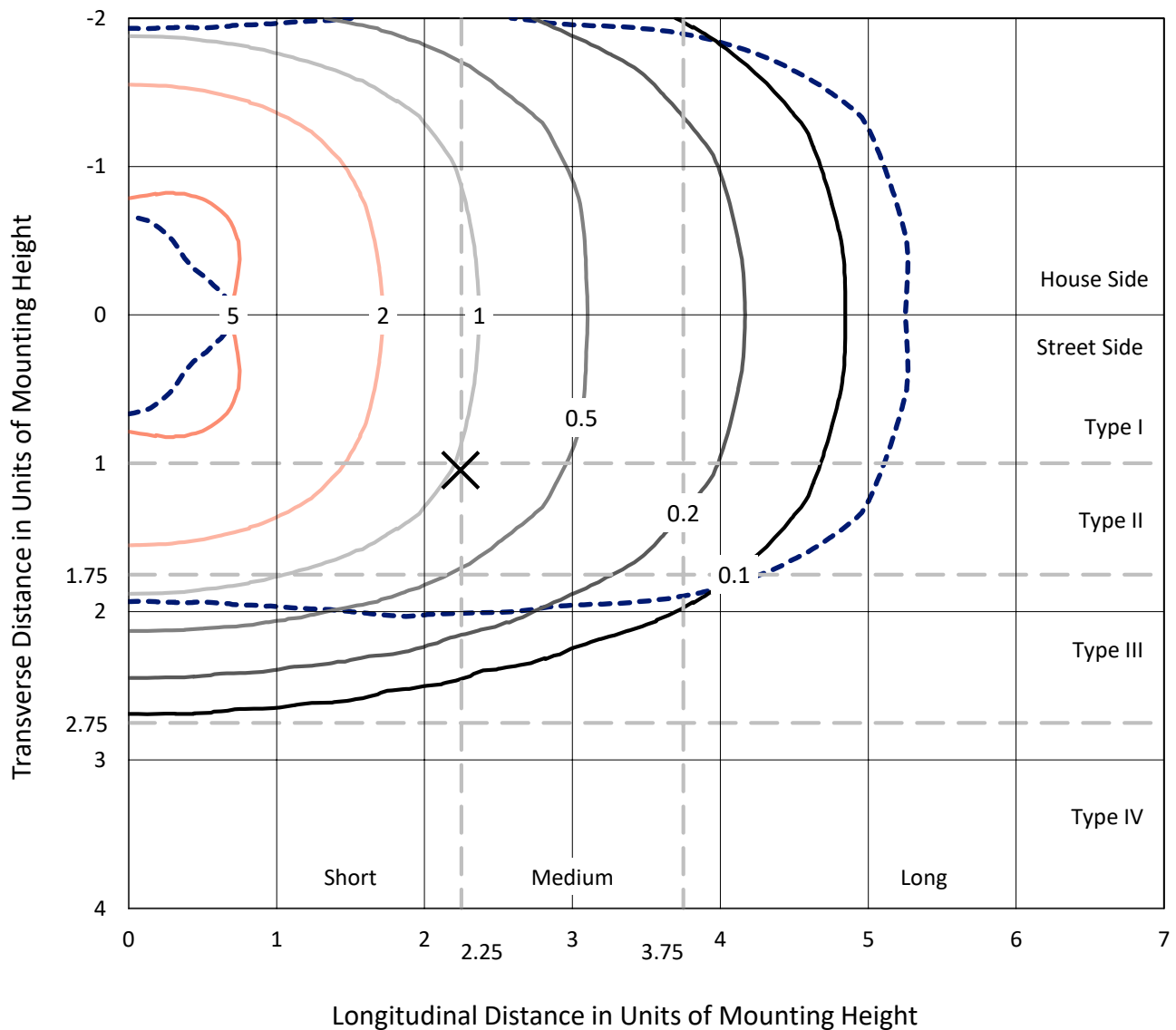


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Iso-Footcandle Lines of Horizontal Illumination

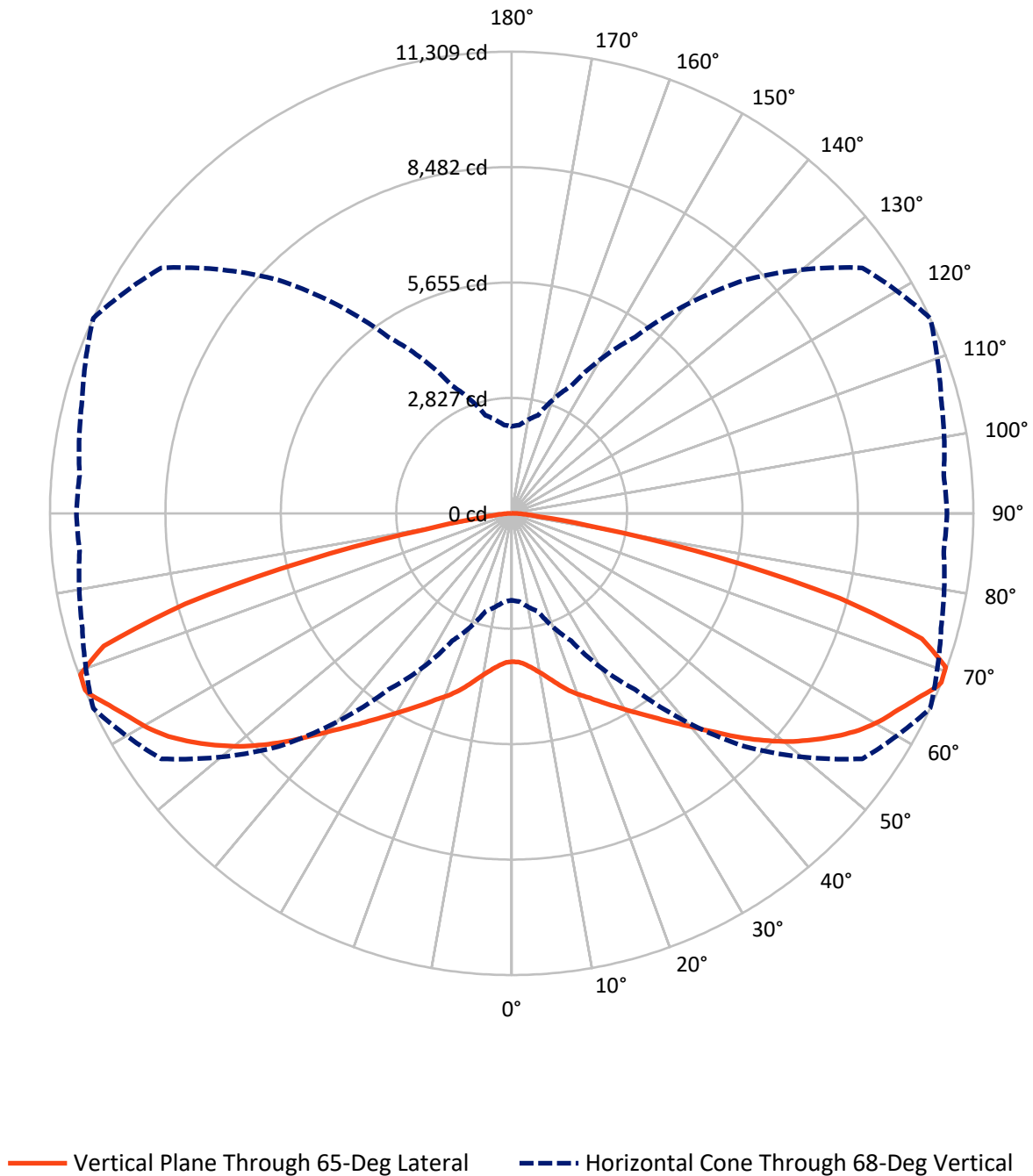
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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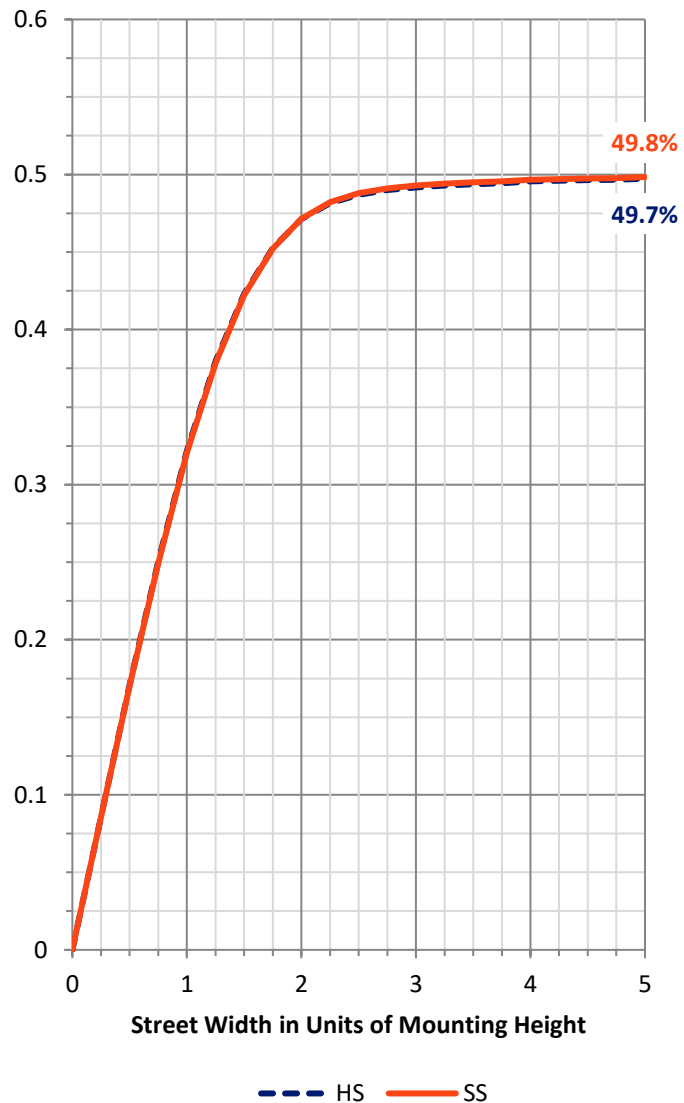
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17468.5	0.0	17468.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17468.5	0.0	17468.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34937.0	0.0	34937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.7	1.0
10°-20°	1190.9	3.4
20°-30°	2321.9	6.6
30°-40°	3900.7	11.2
40°-50°	6146.1	17.6
50°-60°	8219.4	23.5
60°-70°	7990.3	22.9
70°-80°	4367.9	12.5
80°-90°	444.2	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°	34937.0	100.0
0°-180°	34937.0	100.0

Coefficient of Utilization



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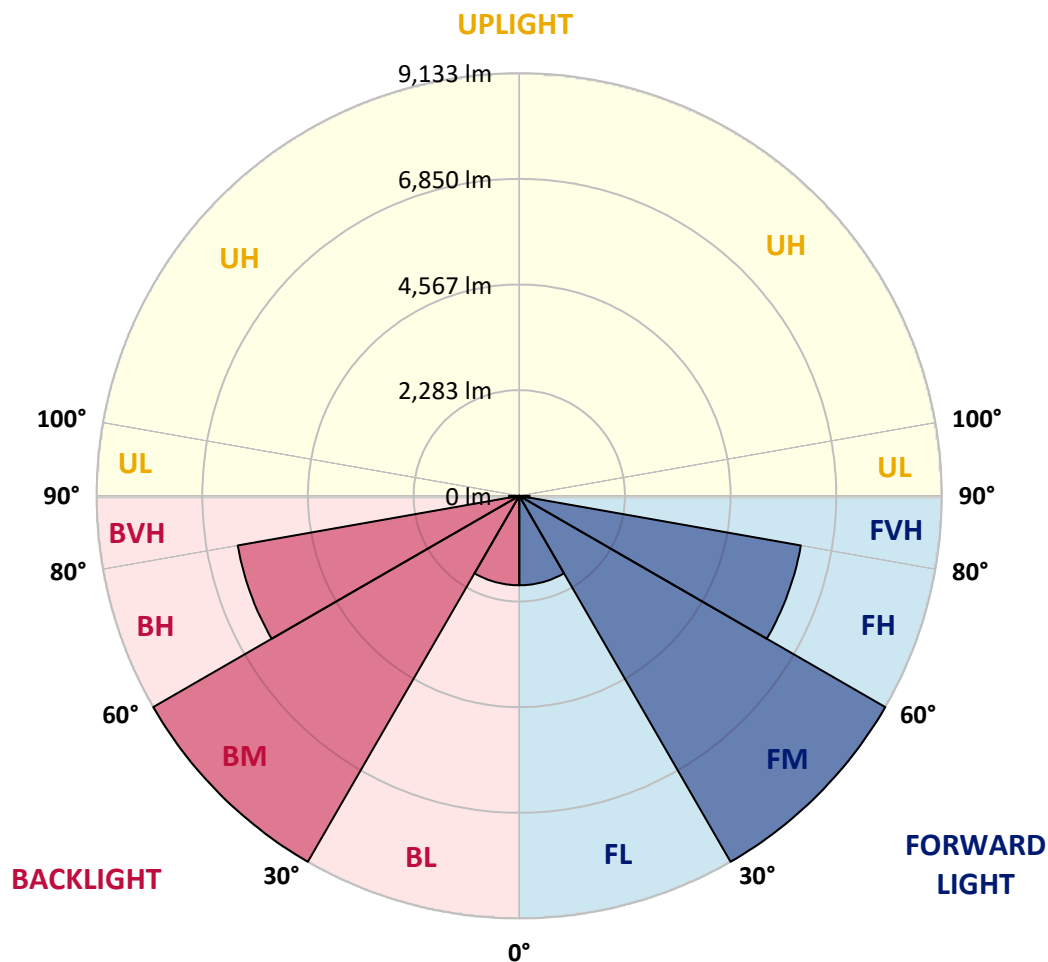
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1934.2	5.5			
FM	(30°-60°)	9133.1	26.1			
FH	(60°-80°)	6179.1	17.7			G3/7500
FVH	(80°-90°)	222.1	0.6			G2/225
BL	(0°-30°)	1934.2	5.5	B3/2500		
BM	(30°-60°)	9133.1	26.1	B5		
BH	(60°-80°)	6179.1	17.7	B5		G5
BVH	(80°-90°)	222.1	0.6			G2/225
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°	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6	3632.6
2.5°	3606.9	3608.0	3613.9	3620.9	3626.8	3642.0	3645.5	3651.4	3653.7	3659.6	3659.6
5°	3575.2	3577.6	3591.6	3610.4	3631.5	3668.9	3695.9	3726.3	3741.6	3758.0	3756.8
7.5°	3571.7	3577.6	3597.5	3627.9	3663.1	3725.2	3781.4	3842.3	3883.3	3920.8	3918.5
10°	3608.0	3617.4	3645.5	3691.2	3743.9	3821.2	3904.4	3986.4	4057.9	4115.3	4117.6
12.5°	3663.1	3674.8	3719.3	3788.4	3868.1	3967.7	4066.1	4158.6	4257.0	4342.5	4349.5
15°	3735.7	3750.9	3817.7	3920.8	4042.6	4160.9	4266.4	4361.3	4474.9	4593.2	4604.9
17.5°	3843.5	3864.6	3952.4	4091.8	4252.3	4382.3	4492.5	4563.9	4658.8	4780.6	4802.9
20°	4007.5	4034.4	4145.7	4312.1	4507.7	4643.6	4727.9	4743.1	4790.0	4898.9	4924.7
22.5°	4220.7	4244.1	4368.3	4566.3	4785.3	4932.9	4977.4	4916.5	4911.8	4999.7	5024.3
25°	4458.5	4479.6	4623.7	4846.2	5081.7	5244.5	5243.4	5125.0	5043.0	5111.0	5136.8
27.5°	4725.6	4758.4	4896.6	5130.9	5382.8	5543.2	5533.9	5351.1	5195.3	5212.9	5235.2
30°	5032.5	5068.8	5203.5	5441.3	5693.2	5850.2	5838.4	5597.1	5362.8	5316.0	5332.4
32.5°	5413.2	5456.6	5584.2	5818.5	6041.1	6182.8	6148.9	5864.2	5564.3	5462.4	5477.6
35°	5871.2	5897.0	6031.7	6262.5	6442.9	6540.1	6468.7	6173.5	5819.7	5696.7	5696.7
37.5°	6335.1	6355.0	6506.2	6729.9	6904.4	6956.0	6816.6	6512.0	6153.6	5979.0	5982.5
40°	6780.3	6834.2	7004.0	7233.6	7405.8	7419.9	7234.8	6898.6	6524.9	6344.5	6365.6
42.5°	7245.3	7298.1	7500.7	7760.8	7913.1	7936.5	7719.8	7332.0	6944.3	6797.8	6821.3
45°	7660.0	7702.2	7936.5	8238.7	8428.5	8489.4	8232.9	7828.7	7397.6	7254.7	7260.6
47.5°	7949.4	8004.4	8262.1	8618.3	8894.7	8988.4	8736.6	8312.5	7843.9	7670.6	7685.8
50°	8211.8	8241.1	8502.3	8891.2	9242.6	9435.9	9220.4	8790.5	8294.9	8111.0	8127.4
52.5°	8358.2	8395.7	8648.7	9054.0	9469.9	9781.5	9650.3	9220.4	8730.7	8551.5	8571.4
55°	8256.3	8284.4	8587.8	9090.4	9610.5	9994.7	10014.6	9640.9	9158.3	9001.3	9057.6
57.5°	7792.4	7827.5	8197.7	8856.1	9628.0	10138.8	10288.7	10031.0	9557.8	9430.1	9462.9
60°	7067.3	7089.5	7484.3	8224.7	9286.0	10198.5	10463.3	10349.6	9949.0	9821.3	9865.8
62.5°	5775.2	5808.0	6280.1	7272.3	8563.2	10021.6	10632.0	10613.2	10313.3	10196.2	10236.0
65°	3947.7	4005.1	4527.6	5782.2	7449.2	9480.4	10785.4	10920.1	10635.5	10487.9	10540.6
67.5°	2383.9	2426.0	2804.4	3817.7	5700.2	8388.7	10627.3	11269.2	10862.7	10624.9	10668.3
68°	2130.8	2169.5	2485.8	3445.2	5272.6	8080.6	10483.2	11309.1	10887.3	10622.6	10661.2
70°	1287.4	1313.2	1525.2	2129.7	3515.5	6410.1	9500.4	11276.3	11044.3	10655.4	10677.6
72.5°	838.7	846.9	882.1	1093.0	1795.8	3584.6	7130.5	10507.8	11279.8	10846.3	10842.8
75°	697.0	692.3	695.8	720.4	885.6	1572.1	4166.8	8300.8	10752.6	10545.3	10471.5
77.5°	589.2	585.7	584.5	585.7	592.7	759.1	1808.7	5170.7	8228.2	9328.2	9393.8
80°	476.8	472.1	487.3	480.3	459.2	472.1	757.9	2150.8	3878.6	4172.7	3910.3
82.5°	346.7	329.2	394.8	376.0	358.5	332.7	418.2	694.7	925.4	634.9	446.3
85°	267.1	248.3	299.9	288.2	246.0	169.9	248.3	339.7	374.9	214.4	168.7
87.5°	108.9	114.8	216.7	171.0	144.1	82.0	101.9	135.9	182.7	91.4	70.3
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)