

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: P317260

Luminaire Tested: **GAN-SA6D-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317260
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-SA6D-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34872 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

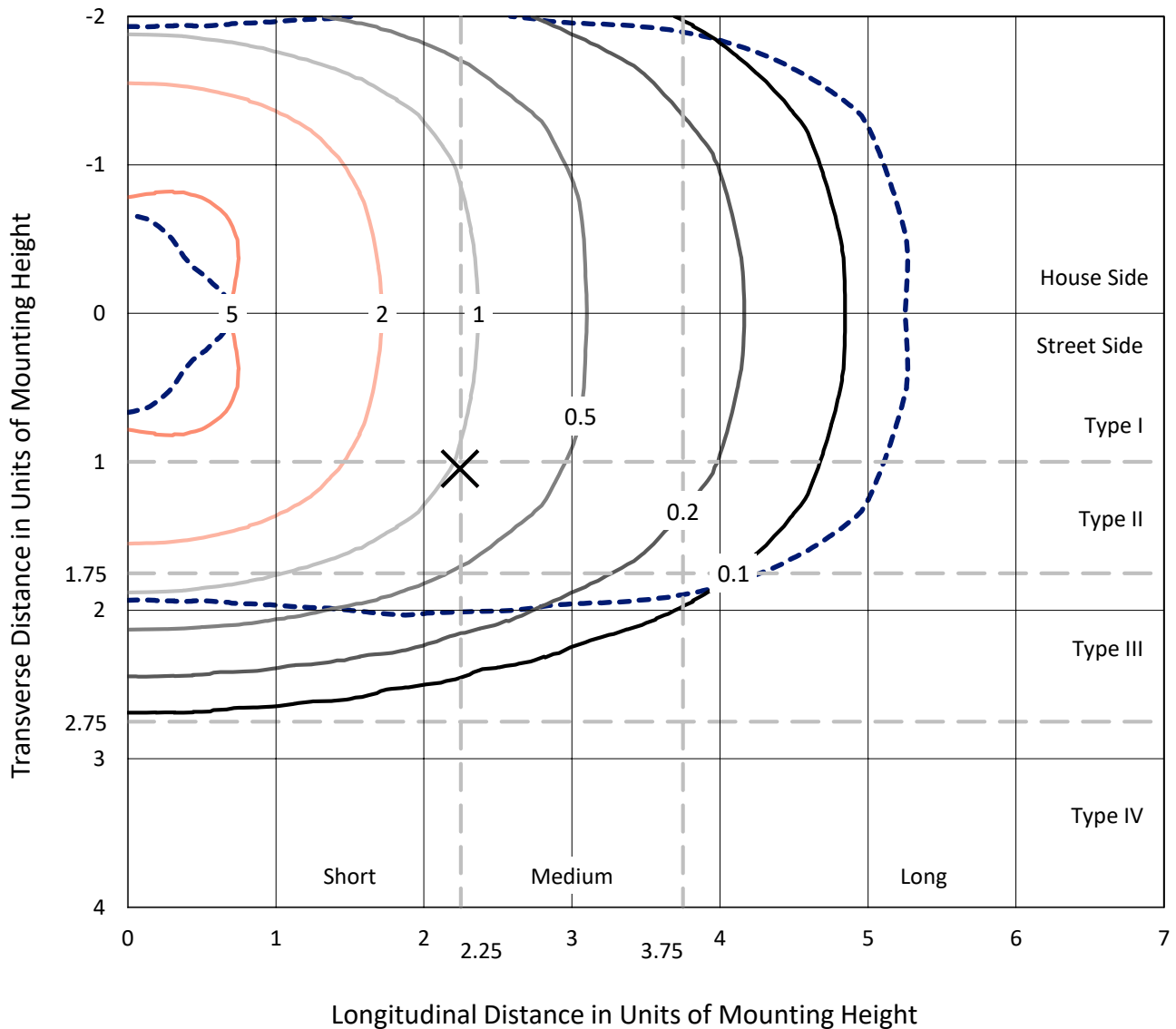
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

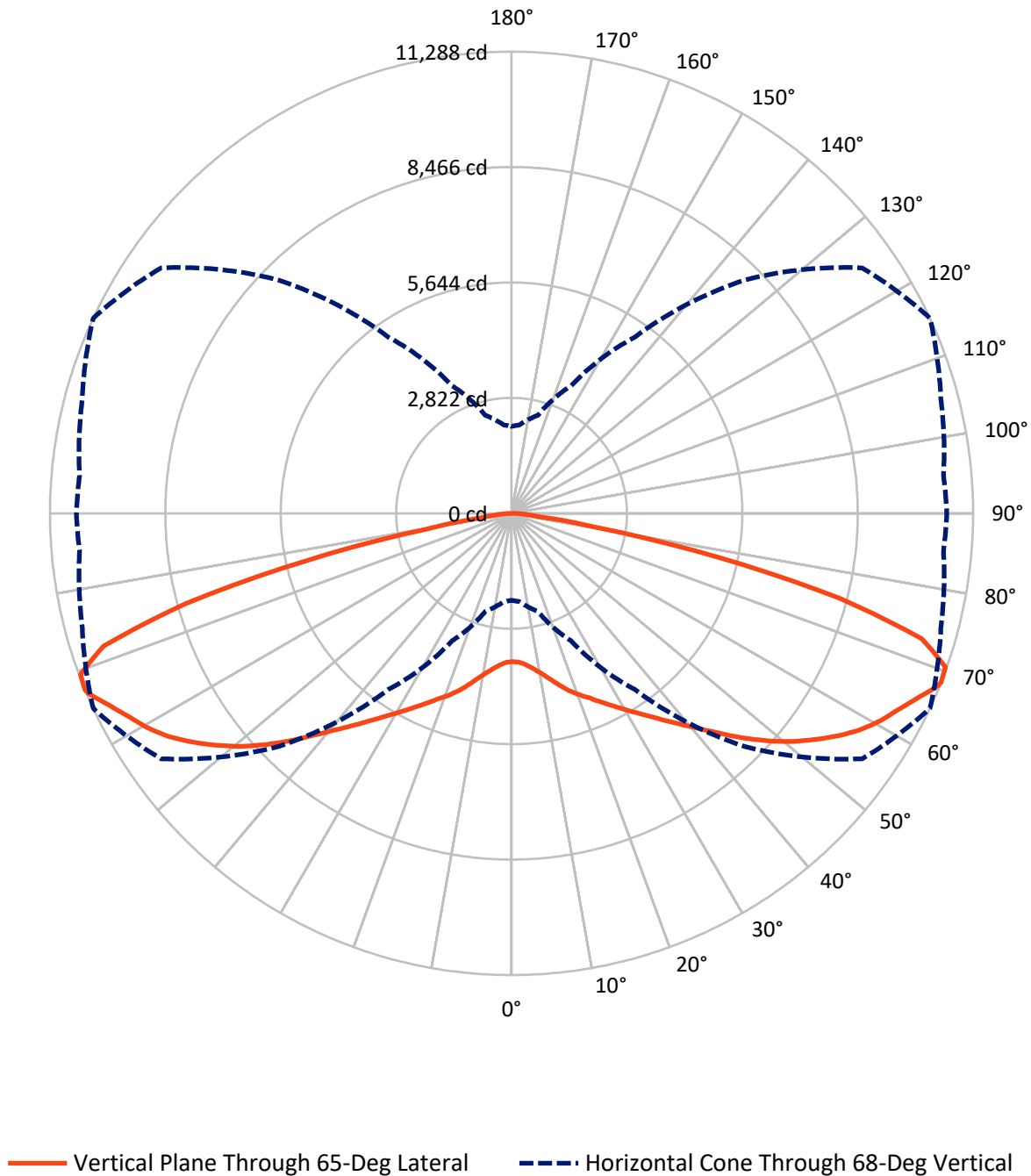
× Max cd
- - - 1/2 Max cd



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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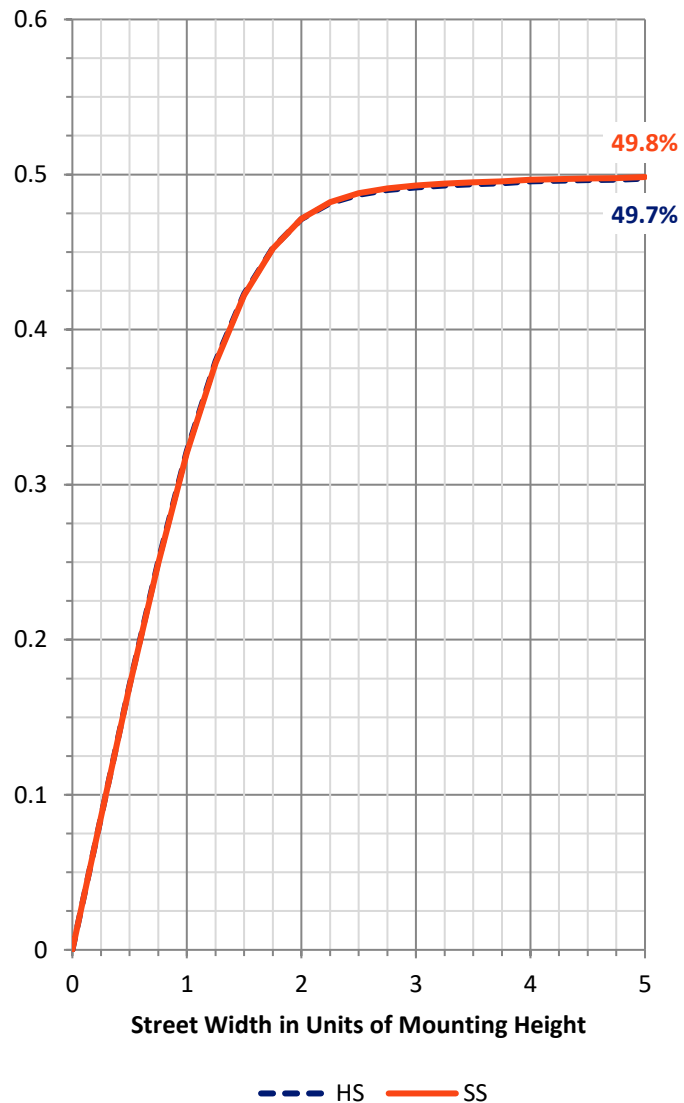
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17436.0	0.0	17436.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17436.0	0.0	17436.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34872.0	0.0	34872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.0	1.0
10°-20°	1188.7	3.4
20°-30°	2317.6	6.6
30°-40°	3893.4	11.2
40°-50°	6134.7	17.6
50°-60°	8204.1	23.5
60°-70°	7975.4	22.9
70°-80°	4359.7	12.5
80°-90°	443.4	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°	34872.0	100.0
0°-180°	34872.0	100.0

Coefficient of Utilization



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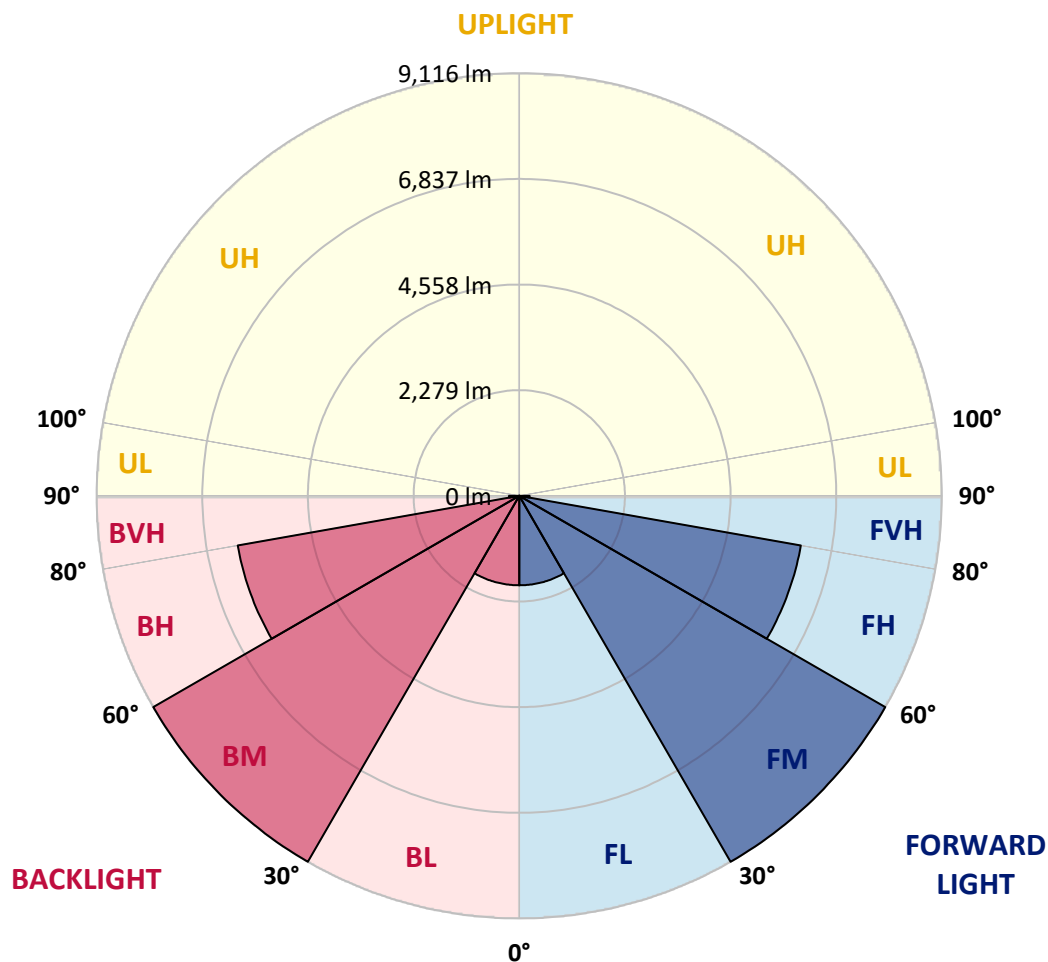
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1930.6	5.5			
FM	(30°-60°)	9116.1	26.1			
FH	(60°-80°)	6167.6	17.7			G3/7500
FVH	(80°-90°)	221.7	0.6			G2/225
BL	(0°-30°)	1930.6	5.5	B3/2500		
BM	(30°-60°)	9116.1	26.1	B5		
BH	(60°-80°)	6167.6	17.7	B5		G5
BVH	(80°-90°)	221.7	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°	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9	3625.9
2.5°	3600.1	3601.3	3607.2	3614.2	3620.0	3635.2	3638.7	3644.6	3646.9	3652.8	3652.8
5°	3568.6	3570.9	3584.9	3603.7	3624.7	3662.1	3689.0	3719.4	3734.6	3751.0	3749.8
7.5°	3565.1	3570.9	3590.8	3621.2	3656.3	3718.2	3774.4	3835.2	3876.1	3913.5	3911.2
10°	3601.3	3610.7	3638.7	3684.3	3736.9	3814.1	3897.1	3979.0	4050.3	4107.6	4109.9
12.5°	3656.3	3668.0	3712.4	3781.4	3860.9	3960.3	4058.5	4150.9	4249.1	4334.4	4341.5
15°	3728.8	3744.0	3810.6	3913.5	4035.1	4153.2	4258.4	4353.1	4466.6	4584.7	4596.4
17.5°	3836.3	3857.4	3945.1	4084.2	4244.4	4374.2	4484.1	4555.4	4650.1	4771.7	4794.0
20°	4000.0	4026.9	4138.0	4304.0	4499.3	4634.9	4719.1	4734.3	4781.1	4889.8	4915.6
22.5°	4212.8	4236.2	4360.2	4557.8	4776.4	4923.7	4968.2	4907.4	4902.7	4990.4	5014.9
25°	4450.2	4471.2	4615.1	4837.2	5072.2	5234.8	5233.6	5115.5	5033.7	5101.5	5127.2
27.5°	4716.8	4749.5	4887.5	5121.3	5372.7	5532.9	5523.6	5341.2	5185.7	5203.2	5225.4
30°	5023.1	5059.4	5193.8	5431.2	5682.6	5839.3	5827.6	5586.7	5352.9	5306.1	5322.5
32.5°	5403.1	5446.4	5573.9	5807.7	6029.9	6171.3	6137.4	5853.3	5554.0	5452.2	5467.4
35°	5860.3	5886.0	6020.5	6250.9	6430.9	6528.0	6456.6	6162.0	5808.9	5686.1	5686.1
37.5°	6323.3	6343.2	6494.1	6717.4	6891.6	6943.1	6803.9	6499.9	6142.1	5967.9	5971.4
40°	6767.7	6821.4	6991.0	7220.2	7392.0	7406.1	7221.3	6885.8	6512.8	6332.7	6353.7
42.5°	7231.9	7284.5	7486.8	7746.3	7898.3	7921.7	7705.4	7318.4	6931.4	6785.2	6808.6
45°	7645.8	7687.9	7921.7	8223.4	8412.8	8473.6	8217.5	7814.1	7383.9	7241.2	7247.1
47.5°	7934.6	7989.5	8246.8	8602.2	8878.2	8971.7	8720.3	8297.1	7829.3	7656.3	7671.5
50°	8196.5	8225.7	8486.5	8874.7	9225.4	9418.4	9203.2	8774.1	8279.5	8095.9	8112.3
52.5°	8342.7	8380.1	8632.6	9037.2	9452.3	9763.3	9632.3	9203.2	8714.5	8535.6	8555.5
55°	8240.9	8269.0	8571.8	9073.4	9592.6	9976.1	9996.0	9623.0	9141.3	8984.6	9040.7
57.5°	7777.9	7813.0	8182.5	8839.6	9610.1	10119.9	10269.6	10012.4	9540.0	9412.5	9445.3
60°	7054.1	7076.3	7470.4	8209.4	9268.7	10179.6	10443.8	10330.4	9930.5	9803.1	9847.5
62.5°	5764.4	5797.2	6268.4	7258.8	8547.3	10003.0	10612.2	10593.5	10294.1	10177.2	10217.0
65°	3940.4	3997.7	4519.2	5771.5	7435.3	9462.8	10765.4	10899.8	10615.7	10468.4	10521.0
67.5°	2379.4	2421.5	2799.2	3810.6	5689.6	8373.1	10607.5	11248.3	10842.5	10605.2	10648.4
68°	2126.9	2165.5	2481.2	3438.8	5262.8	8065.5	10463.7	11288.0	10867.1	10602.8	10641.4
70°	1285.0	1310.7	1522.4	2125.7	3508.9	6398.2	9482.7	11255.3	11023.8	10635.6	10657.8
72.5°	837.2	845.4	880.5	1090.9	1792.5	3577.9	7117.3	10488.2	11258.8	10826.2	10822.6
75°	695.7	691.0	694.5	719.1	884.0	1569.1	4159.0	8285.4	10732.6	10525.7	10452.0
77.5°	588.1	584.6	583.5	584.6	591.6	757.7	1805.3	5161.1	8212.9	9310.8	9376.3
80°	475.9	471.2	486.4	479.4	458.3	471.2	756.5	2146.8	3871.4	4164.9	3903.0
82.5°	346.1	328.6	394.0	375.3	357.8	332.1	417.4	693.4	923.7	633.7	445.5
85°	266.6	247.9	299.3	287.6	245.5	169.5	247.9	339.1	374.2	214.0	168.4
87.5°	108.7	114.6	216.3	170.7	143.8	81.8	101.7	135.6	182.4	91.2	70.2
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)