

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: P317049

Luminaire Tested: **GAN-SA5C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317049
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-SA5C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30221 lumens
Efficiency: N/A
Efficacy: 108.3 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): 279
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



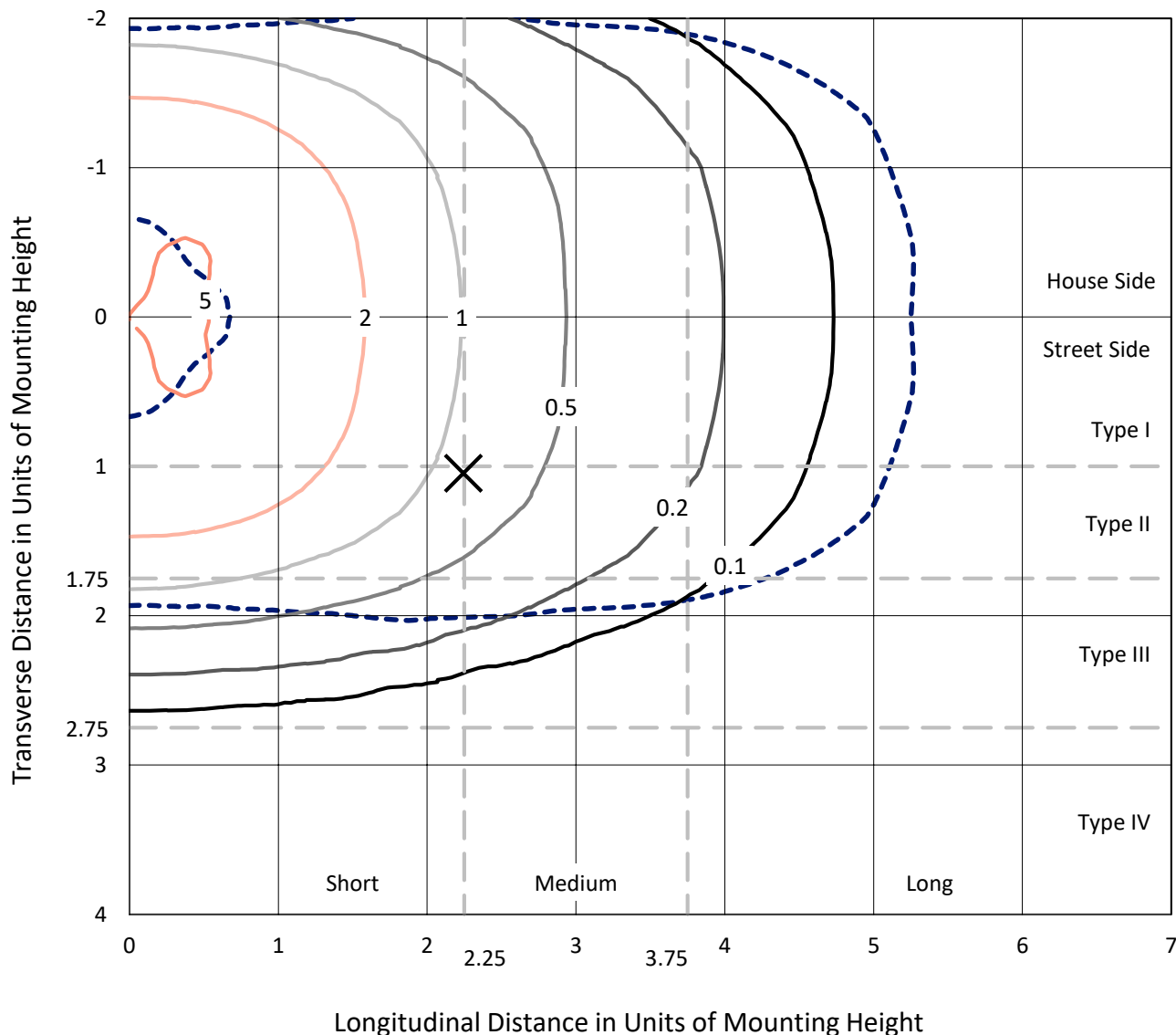
REPORT NUMBER: P317049

CATALOG NUMBER: GAN-SA5C-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

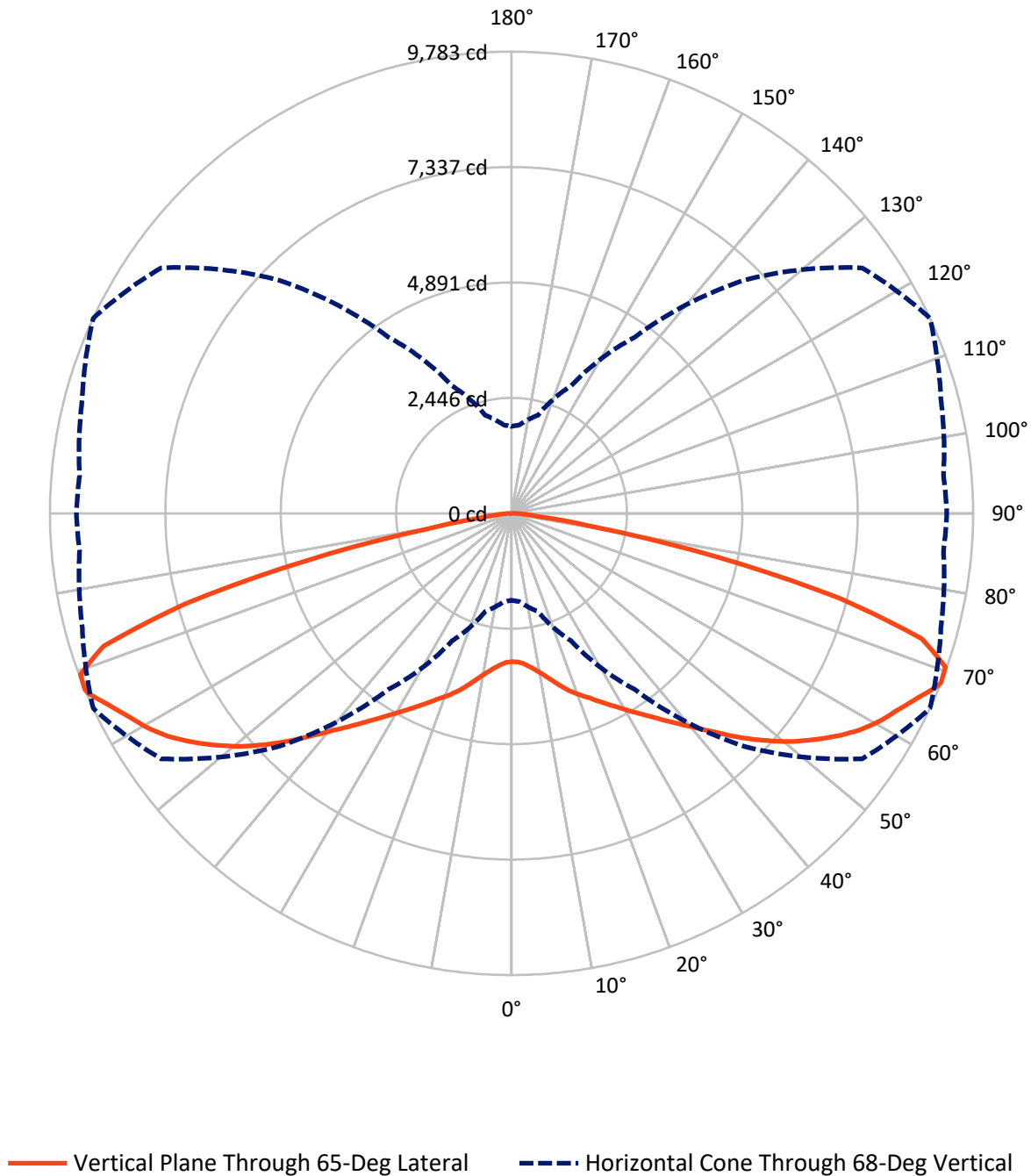
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P317049
CATALOG NUMBER: GAN-SA5C-727-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317049

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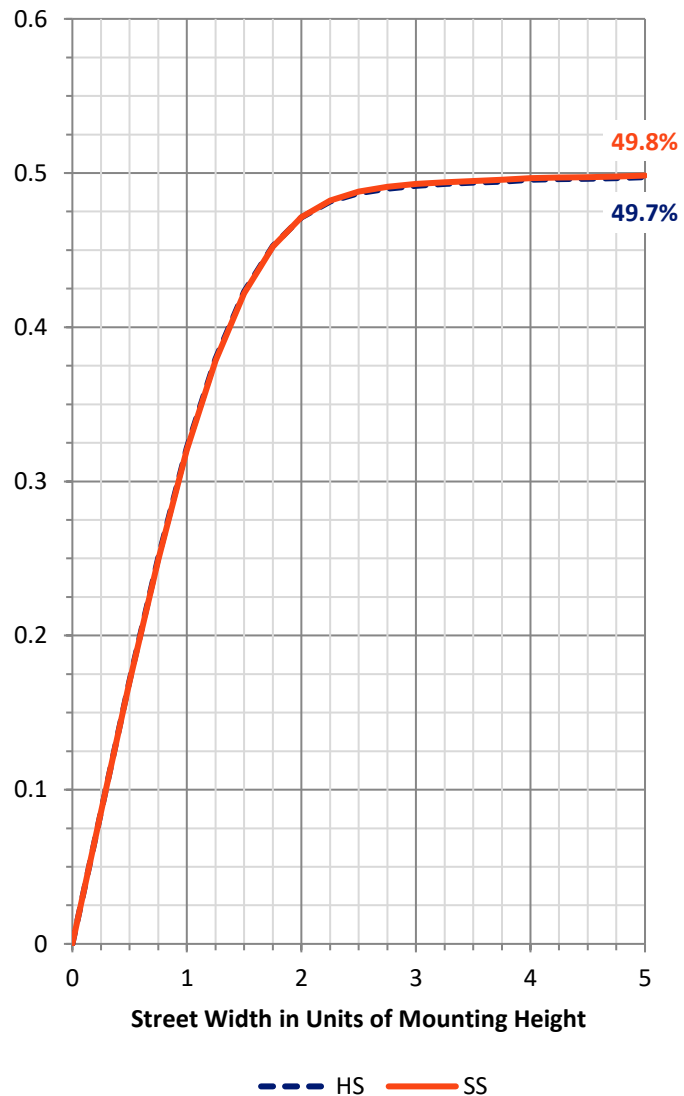
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15110.5	0.0	15110.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15110.5	0.0	15110.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30221.0	0.0	30221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	1.0
10°-20°	1030.1	3.4
20°-30°	2008.5	6.6
30°-40°	3374.1	11.2
40°-50°	5316.5	17.6
50°-60°	7109.9	23.5
60°-70°	6911.7	22.9
70°-80°	3778.3	12.5
80°-90°	384.3	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°	30221.0	100.0
0°-180°	30221.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317049

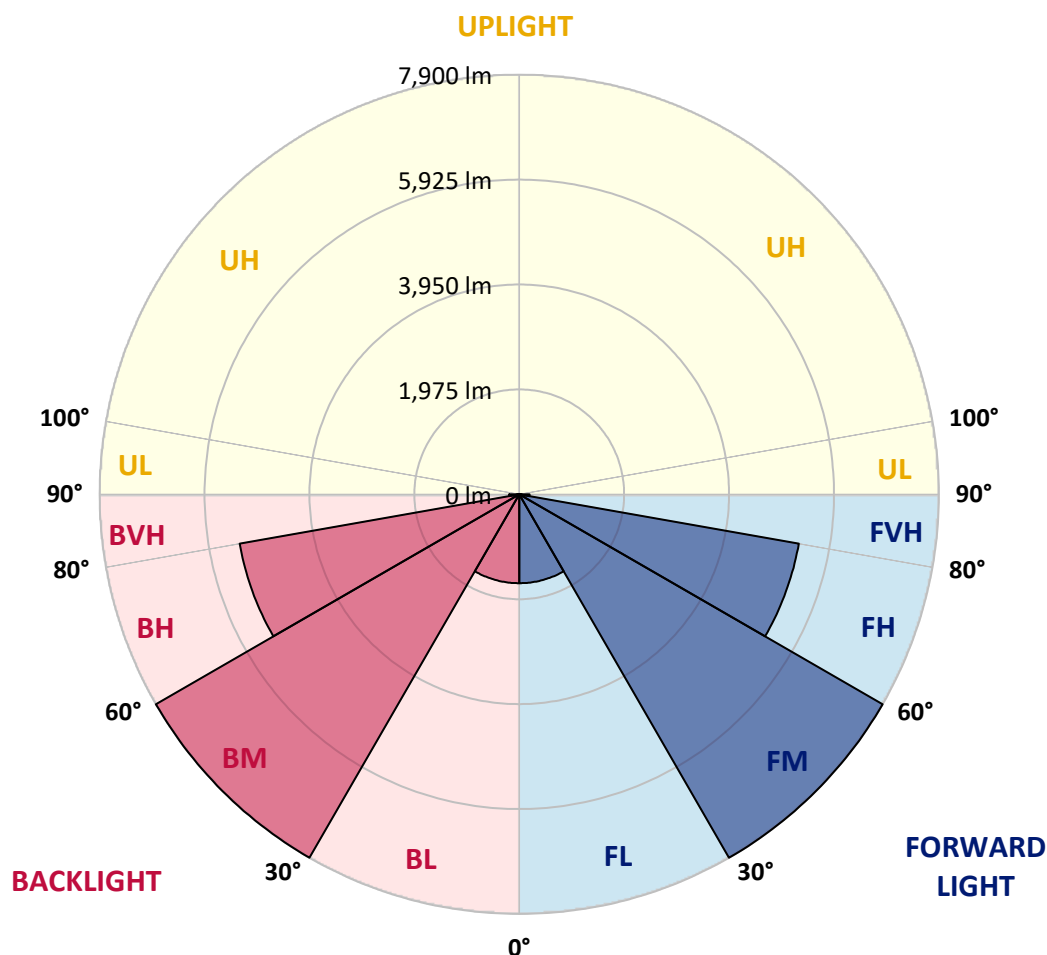
CATALOG NUMBER: GAN-SA5C-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1673.1	5.5			
FM	(30°-60°)	7900.2	26.1			
FH	(60°-80°)	5345.0	17.7			G3/7500
FVH	(80°-90°)	192.1	0.6			G2/225
BL	(0°-30°)	1673.1	5.5	B3/2500		
BM	(30°-60°)	7900.2	26.1	B4/8500		
BH	(60°-80°)	5345.0	17.7	B5		G5
BVH	(80°-90°)	192.1	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





REPORT NUMBER: P317049

CATALOG NUMBER: GAN-SA5C-727-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3	3142.3
2.5°	3120.0	3121.0	3126.1	3132.1	3137.2	3150.4	3153.4	3158.5	3160.5	3165.6	3165.6
5°	3092.6	3094.6	3106.8	3123.0	3141.3	3173.7	3197.0	3223.3	3236.5	3250.7	3249.7
7.5°	3089.6	3094.6	3111.9	3138.2	3168.6	3222.3	3271.0	3323.7	3359.1	3391.5	3389.5
10°	3121.0	3129.1	3153.4	3192.9	3238.5	3305.4	3377.4	3448.3	3510.1	3559.8	3561.8
12.5°	3168.6	3178.8	3217.3	3277.0	3345.9	3432.1	3517.2	3597.2	3682.4	3756.3	3762.4
15°	3231.4	3244.6	3302.4	3391.5	3496.9	3599.3	3690.5	3772.6	3870.8	3973.2	3983.3
17.5°	3324.7	3342.9	3418.9	3539.5	3678.3	3790.8	3886.0	3947.9	4029.9	4135.3	4154.6
20°	3466.5	3489.8	3586.1	3730.0	3899.2	4016.8	4089.7	4102.9	4143.4	4237.7	4260.0
22.5°	3651.0	3671.2	3778.6	3949.9	4139.4	4267.0	4305.6	4252.9	4248.8	4324.8	4346.1
25°	3856.7	3874.9	3999.5	4192.1	4395.7	4536.6	4535.6	4433.2	4362.3	4421.1	4443.4
27.5°	4087.7	4116.1	4235.6	4438.3	4656.2	4795.0	4786.9	4628.8	4494.0	4509.2	4528.5
30°	4353.2	4384.6	4501.1	4706.8	4924.7	5060.5	5050.3	4841.6	4638.9	4598.4	4612.6
32.5°	4682.5	4720.0	4830.4	5033.1	5225.6	5348.2	5318.9	5072.6	4813.2	4725.1	4738.2
35°	5078.7	5101.0	5217.5	5417.2	5573.2	5657.3	5595.5	5340.1	5034.1	4927.7	4927.7
37.5°	5480.0	5497.2	5627.9	5821.5	5972.4	6017.0	5896.4	5633.0	5322.9	5171.9	5175.0
40°	5865.0	5911.6	6058.6	6257.2	6406.1	6418.3	6258.2	5967.4	5644.1	5488.1	5506.3
42.5°	6267.3	6312.9	6488.2	6713.2	6844.9	6865.2	6677.7	6342.3	6006.9	5880.2	5900.5
45°	6626.0	6662.5	6865.2	7126.6	7290.8	7343.5	7121.5	6771.9	6399.0	6275.4	6280.5
47.5°	6876.3	6923.9	7146.9	7454.9	7694.1	7775.1	7557.3	7190.4	6785.1	6635.2	6648.3
50°	7103.3	7128.6	7354.6	7691.0	7995.0	8162.2	7975.8	7603.9	7175.2	7016.2	7030.3
52.5°	7230.0	7262.4	7481.3	7831.9	8191.6	8461.1	8347.6	7975.8	7552.2	7397.2	7414.4
55°	7141.8	7166.1	7428.6	7863.3	8313.2	8645.6	8662.8	8339.5	7922.1	7786.3	7834.9
57.5°	6740.5	6770.9	7091.1	7660.6	8328.4	8770.2	8899.9	8677.0	8267.6	8157.1	8185.5
60°	6113.3	6132.5	6474.0	7114.4	8032.5	8821.9	9050.9	8952.6	8606.0	8495.6	8534.1
62.5°	4995.6	5024.0	5432.4	6290.6	7407.3	8668.9	9196.8	9180.6	8921.2	8819.8	8854.3
65°	3414.9	3464.5	3916.4	5001.7	6443.6	8200.7	9329.5	9446.1	9199.8	9072.2	9117.8
67.5°	2062.1	2098.6	2425.9	3302.4	4930.8	7256.3	9192.7	9748.0	9396.4	9190.7	9228.2
68°	1843.2	1876.6	2150.2	2980.1	4560.9	6989.8	9068.1	9782.5	9417.7	9188.7	9222.1
70°	1113.6	1135.9	1319.3	1842.2	3040.9	5544.8	8217.9	9754.1	9553.5	9217.1	9236.3
72.5°	725.5	732.6	763.0	945.4	1553.4	3100.7	6168.0	9089.4	9757.2	9382.2	9379.2
75°	602.9	598.9	601.9	623.2	766.1	1359.9	3604.3	7180.3	9301.2	9121.8	9058.0
77.5°	509.7	506.7	505.6	506.7	512.7	656.6	1564.5	4472.7	7117.5	8069.0	8125.7
80°	412.4	408.4	421.5	415.5	397.2	408.4	655.6	1860.4	3355.1	3609.4	3382.4
82.5°	299.9	284.7	341.5	325.3	310.1	287.8	361.8	600.9	800.5	549.2	386.1
85°	231.0	214.8	259.4	249.3	212.8	146.9	214.8	293.9	324.3	185.4	145.9
87.5°	94.2	99.3	187.5	147.9	124.6	70.9	88.2	117.5	158.1	79.0	60.8
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)