

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: P317289

Luminaire Tested: **GAN-SA5C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317289
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-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28716 lumens
Efficiency: N/A
Efficacy: 102.9 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



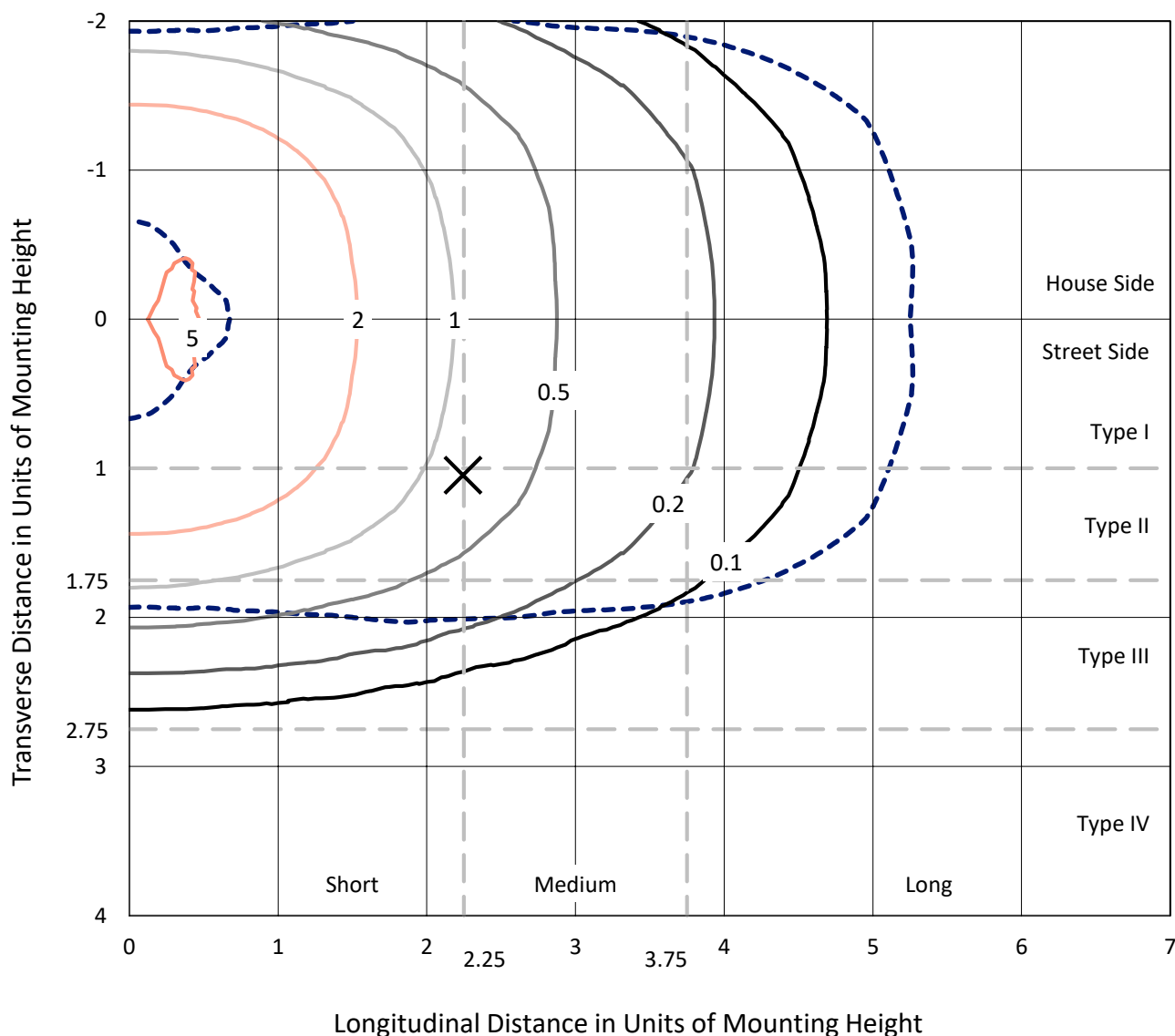
REPORT NUMBER: P317289

CATALOG NUMBER: GAN-SA5C-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

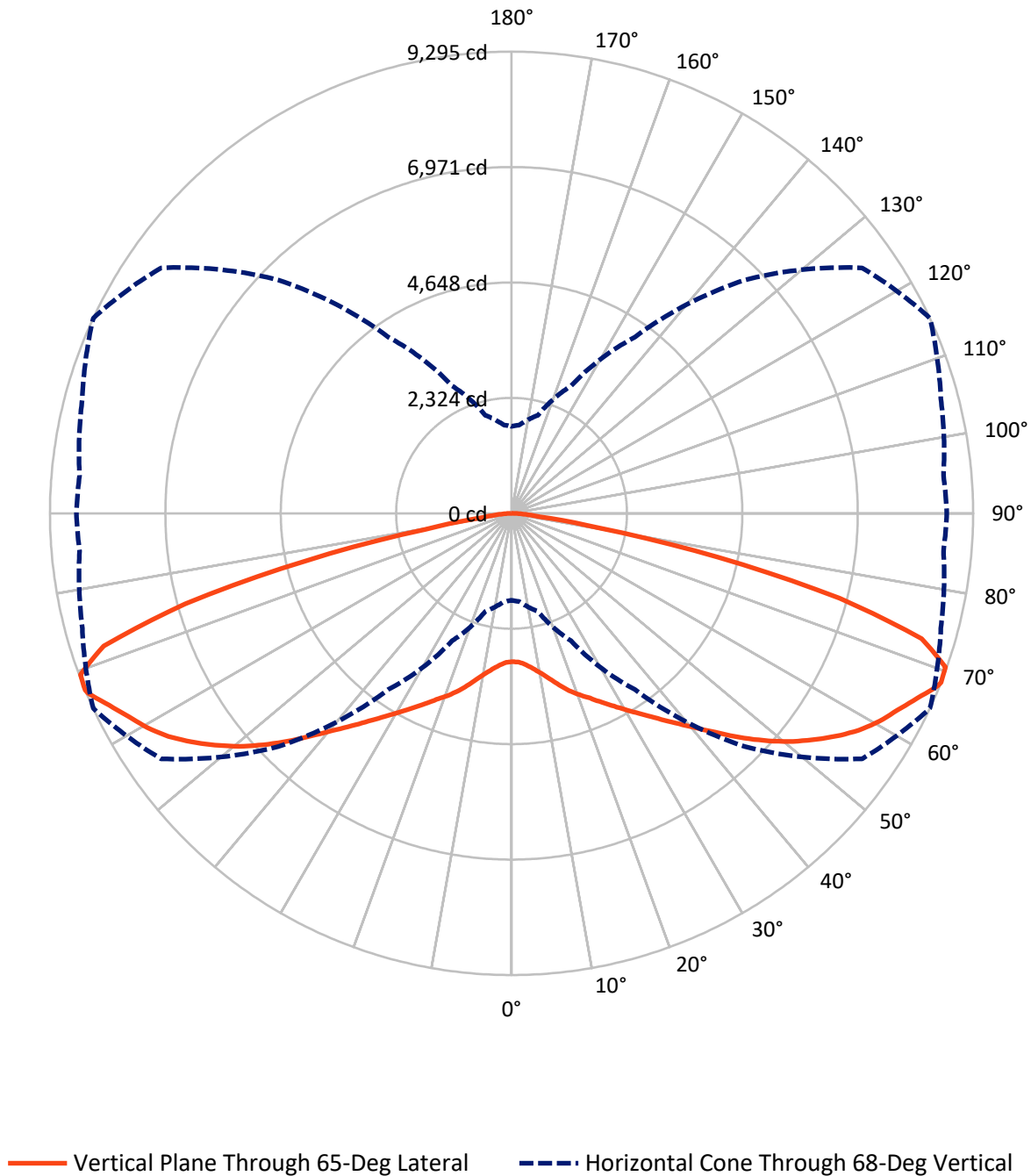


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc

Type III - Short - N/A

REPORT NUMBER: P317289
CATALOG NUMBER: GAN-SA5C-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317289

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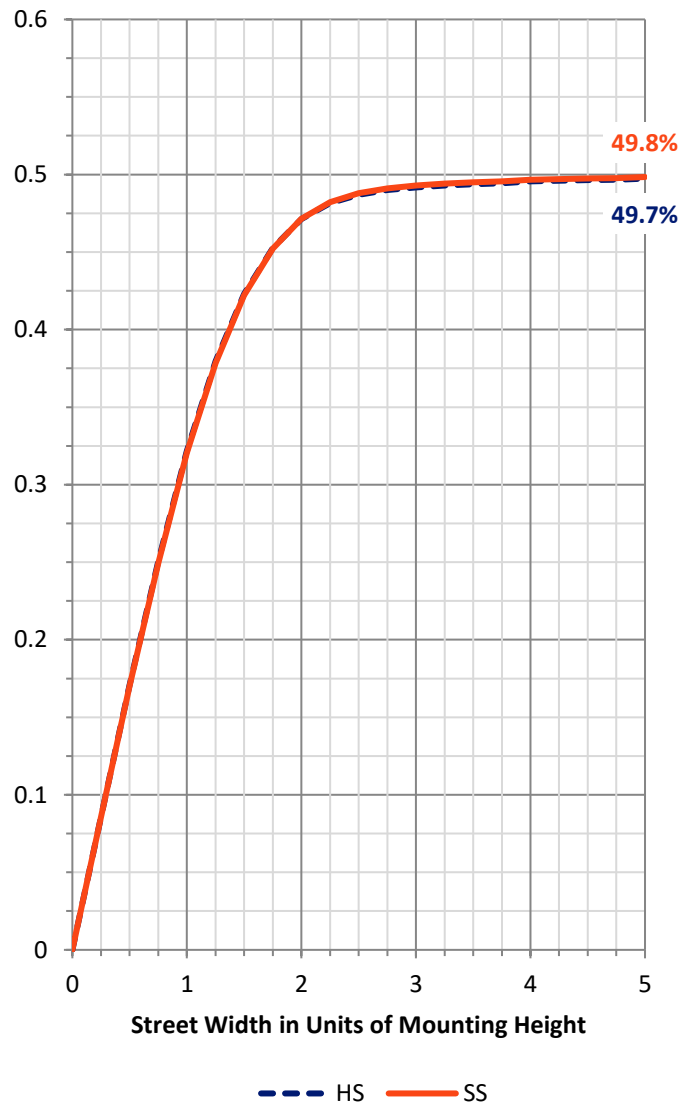
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14358.0	0.0	14358.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14358.0	0.0	14358.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28716.0	0.0	28716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	1.0
10°-20°	978.8	3.4
20°-30°	1908.5	6.6
30°-40°	3206.1	11.2
40°-50°	5051.7	17.6
50°-60°	6755.8	23.5
60°-70°	6567.5	22.9
70°-80°	3590.1	12.5
80°-90°	365.1	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°	28716.0	100.0
0°-180°	28716.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317289

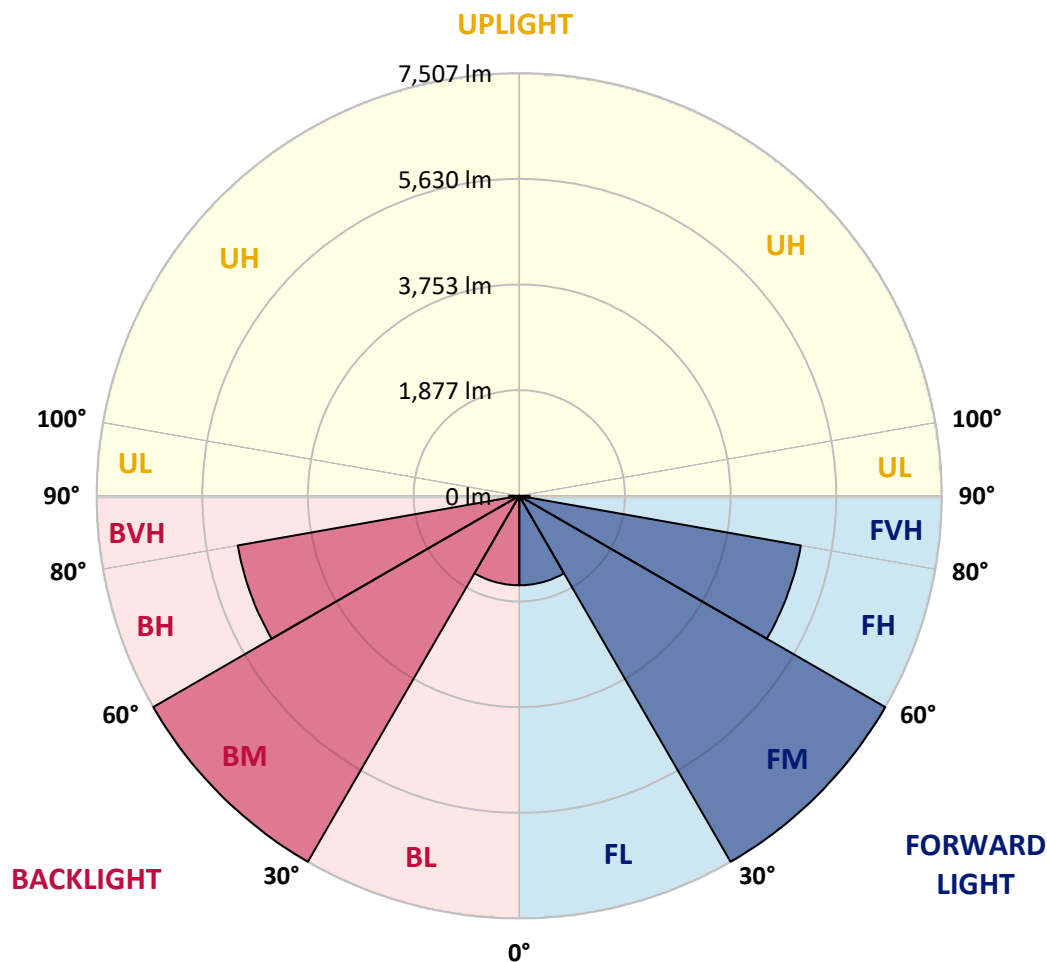
CATALOG NUMBER: GAN-SA5C-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1589.8	5.5			
FM	(30°-60°)	7506.8	26.1			
FH	(60°-80°)	5078.8	17.7			G3/7500
FVH	(80°-90°)	182.6	0.6			G2/225
BL	(0°-30°)	1589.8	5.5	B3/2500		
BM	(30°-60°)	7506.8	26.1	B4/8500		
BH	(60°-80°)	5078.8	17.7	B5		G5
BVH	(80°-90°)	182.6	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: P317289

CATALOG NUMBER: GAN-SA5C-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8	2985.8
2.5°	2964.6	2965.6	2970.4	2976.2	2981.0	2993.5	2996.4	3001.2	3003.1	3007.9	3007.9
5°	2938.6	2940.5	2952.1	2967.5	2984.8	3015.6	3037.8	3062.8	3075.3	3088.8	3087.9
7.5°	2935.7	2940.5	2956.9	2981.9	3010.8	3061.9	3108.1	3158.1	3191.8	3222.6	3220.7
10°	2965.6	2973.3	2996.4	3033.9	3077.3	3140.8	3209.2	3276.6	3335.3	3382.5	3384.4
12.5°	3010.8	3020.5	3057.0	3113.8	3179.3	3261.2	3342.0	3418.1	3499.0	3569.3	3575.1
15°	3070.5	3083.0	3137.9	3222.6	3322.8	3420.0	3506.7	3584.7	3678.1	3775.3	3785.0
17.5°	3159.1	3176.4	3248.6	3363.2	3495.1	3602.0	3692.5	3751.3	3829.2	3929.4	3947.7
20°	3293.9	3316.0	3407.5	3544.2	3705.0	3816.7	3886.1	3898.6	3937.1	4026.6	4047.8
22.5°	3469.1	3488.4	3590.5	3753.2	3933.2	4054.5	4091.1	4041.1	4037.2	4109.4	4129.7
25°	3664.6	3681.9	3800.4	3983.3	4176.8	4310.7	4309.7	4212.5	4145.1	4200.9	4222.1
27.5°	3884.1	3911.1	4024.7	4217.3	4424.3	4556.2	4548.5	4398.3	4270.2	4284.7	4303.0
30°	4136.4	4166.2	4277.0	4472.4	4679.4	4808.5	4798.8	4600.5	4407.9	4369.4	4382.9
32.5°	4449.3	4484.9	4589.9	4782.5	4965.4	5081.9	5054.0	4820.0	4573.5	4489.8	4502.3
35°	4825.8	4847.0	4957.7	5147.4	5295.7	5375.6	5316.8	5074.2	4783.4	4682.3	4682.3
37.5°	5207.1	5223.4	5347.7	5531.6	5675.0	5717.4	5602.8	5352.5	5057.8	4914.4	4917.3
40°	5573.0	5617.2	5756.9	5945.6	6087.1	6098.7	5946.5	5670.2	5363.1	5214.8	5232.1
42.5°	5955.2	5998.5	6165.1	6378.9	6504.0	6523.3	6345.2	6026.5	5707.8	5587.4	5606.7
45°	6296.1	6330.7	6523.3	6771.7	6927.7	6977.8	6766.9	6434.7	6080.4	5962.9	5967.7
47.5°	6533.9	6579.1	6791.0	7083.7	7310.9	7387.9	7180.9	6832.4	6447.2	6304.7	6317.2
50°	6749.6	6773.6	6988.3	7308.0	7596.9	7755.7	7578.6	7225.2	6817.9	6666.8	6680.2
52.5°	6869.9	6900.7	7108.7	7441.8	7783.7	8039.8	7931.9	7578.6	7176.1	7028.8	7045.2
55°	6786.1	6809.3	7058.6	7471.7	7899.2	8215.0	8231.4	7924.2	7527.5	7398.5	7444.7
57.5°	6404.9	6433.7	6738.0	7279.1	7913.6	8333.4	8456.7	8244.9	7855.9	7750.9	7777.9
60°	5808.9	5827.1	6151.6	6760.1	7632.5	8382.5	8600.1	8506.8	8177.5	8072.5	8109.1
62.5°	4746.8	4773.8	5161.8	5977.4	7038.4	8237.2	8738.8	8723.4	8476.9	8380.6	8413.4
65°	3244.8	3292.0	3721.4	4752.6	6122.7	7792.3	8864.9	8975.7	8741.7	8620.4	8663.7
67.5°	1959.4	1994.1	2305.1	3137.9	4685.2	6894.9	8734.9	9262.6	8928.5	8733.0	8768.6
68°	1751.4	1783.2	2043.2	2831.7	4333.8	6641.7	8616.5	9295.3	8948.7	8731.1	8762.9
70°	1058.2	1079.4	1253.6	1750.5	2889.5	5268.7	7808.7	9268.4	9077.7	8758.1	8776.3
72.5°	689.4	696.1	725.0	898.3	1476.0	2946.3	5860.8	8636.7	9271.3	8915.0	8912.1
75°	572.9	569.0	571.9	592.2	727.9	1292.1	3424.8	6822.7	8838.0	8667.5	8606.9
77.5°	484.3	481.4	480.5	481.4	487.2	623.9	1486.6	4250.0	6763.0	7667.2	7721.1
80°	391.9	388.0	400.5	394.8	377.4	388.0	623.0	1767.8	3188.0	3429.7	3214.0
82.5°	285.0	270.6	324.5	309.1	294.6	273.4	343.7	571.0	760.6	521.9	366.8
85°	219.5	204.1	246.5	236.9	202.2	139.6	204.1	279.2	308.1	176.2	138.6
87.5°	89.5	94.4	178.1	140.6	118.4	67.4	83.8	111.7	150.2	75.1	57.8
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)