

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: P316322

Luminaire Tested: **GAN-SA8B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38334 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 334
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

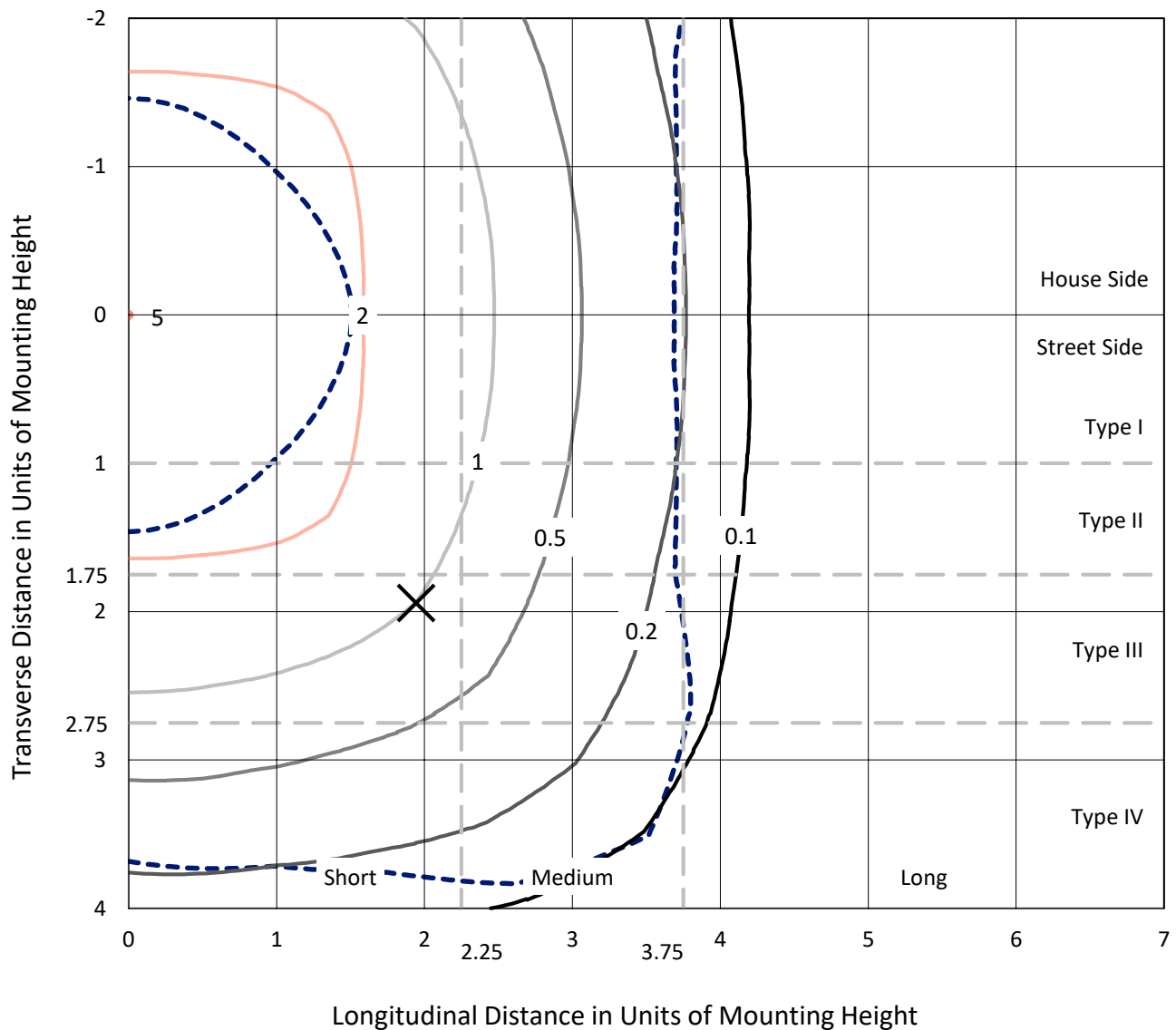


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Iso-Footcandle Lines of Horizontal Illumination

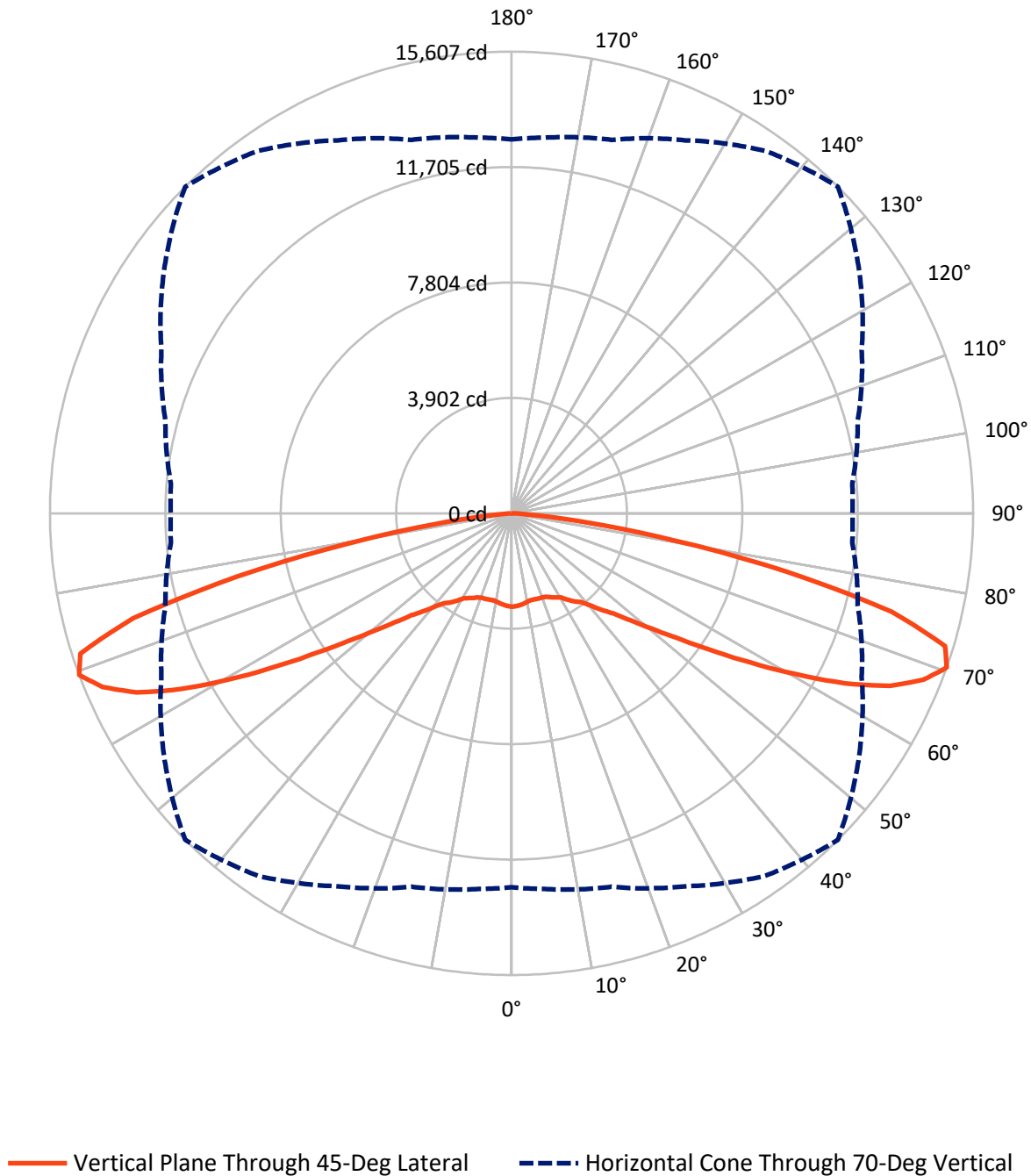
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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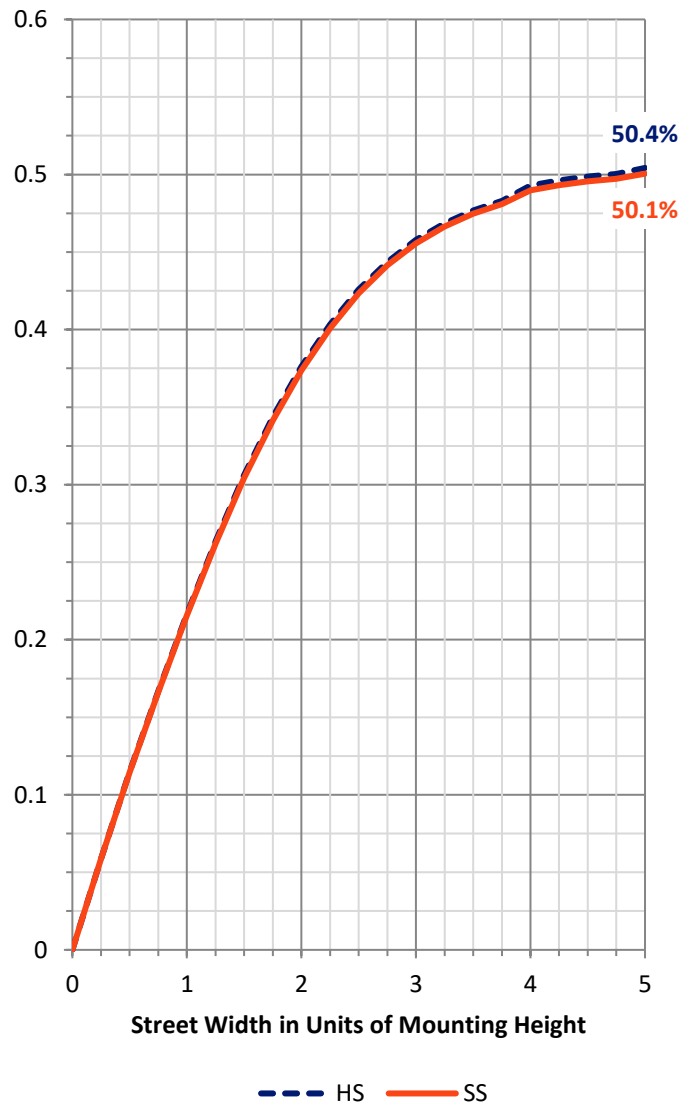
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19167.0	0.0	19167.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19167.0	0.0	19167.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38334.0	0.0	38334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.5	0.8
10°-20°	860.1	2.2
20°-30°	1466.5	3.8
30°-40°	2291.4	6.0
40°-50°	3883.4	10.1
50°-60°	7081.7	18.5
60°-70°	12191.6	31.8
70°-80°	9556.2	24.9
80°-90°	708.6	1.8
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°	38334.0	100.0
0°-180°	38334.0	100.0

Coefficient of Utilization



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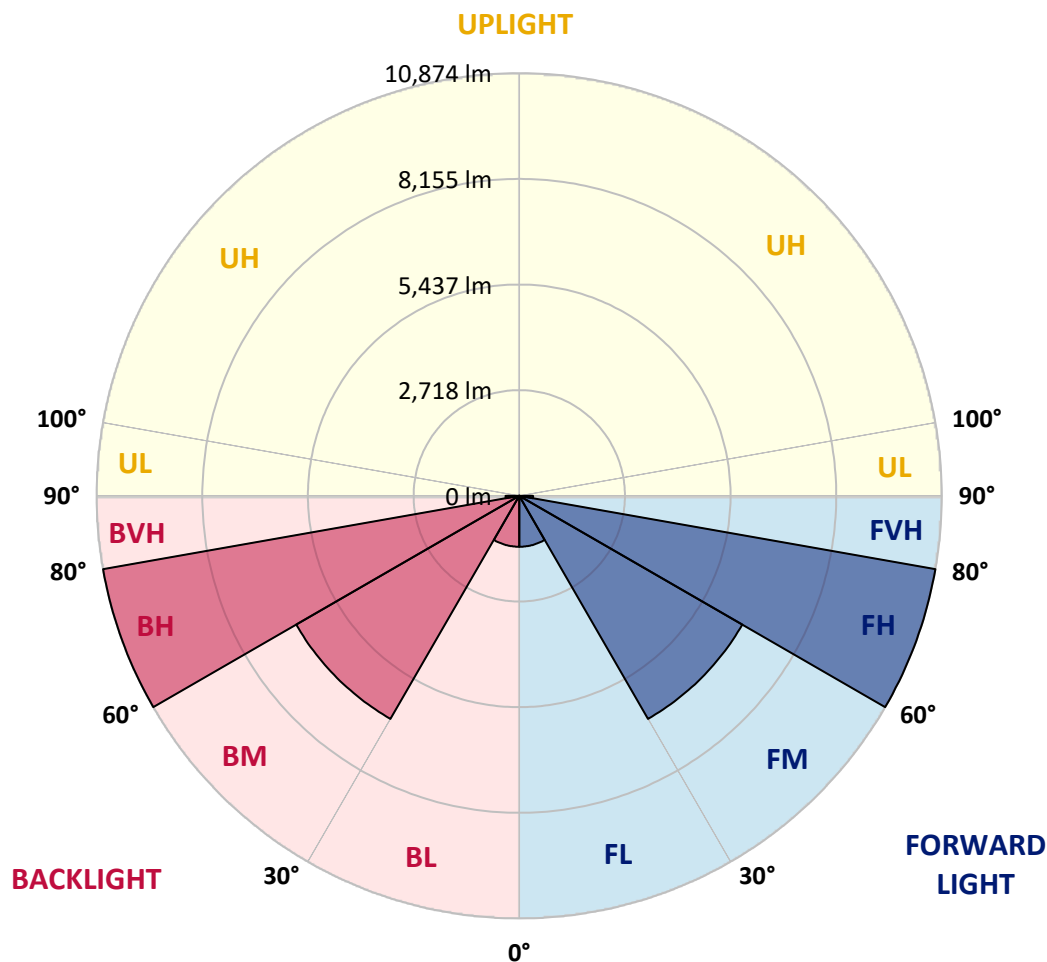
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1310.5	3.4			
FM	(30°-60°)	6628.3	17.3			
FH	(60°-80°)	10873.9	28.4			G4/12000
FVH	(80°-90°)	354.3	0.9			G3/500
BL	(0°-30°)	1310.5	3.4	B3/2500		
BM	(30°-60°)	6628.3	17.3	B4/8500		
BH	(60°-80°)	10873.9	28.4	B5		G4/12000
BVH	(80°-90°)	354.3	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9	3154.9
2.5°	3140.9	3144.7	3140.9	3143.5	3137.1	3139.7	3139.7	3139.7	3138.4	3139.7	3137.1
5°	3113.0	3115.6	3110.5	3113.0	3109.2	3113.0	3114.3	3113.0	3110.5	3111.8	3106.7
7.5°	3071.2	3073.7	3069.9	3073.7	3068.7	3075.0	3073.7	3069.9	3066.1	3066.1	3061.1
10°	3048.4	3049.6	3039.5	3035.7	3024.3	3026.8	3030.6	3034.4	3038.2	3045.8	3044.6
12.5°	3049.6	3049.6	3034.4	3017.9	3001.5	3005.3	3011.6	3025.6	3040.8	3054.7	3056.0
15°	3062.3	3061.1	3038.2	3011.6	3000.2	3011.6	3015.4	3024.3	3048.4	3072.5	3073.7
17.5°	3071.2	3071.2	3035.7	3005.3	3004.0	3021.7	3020.5	3024.3	3050.9	3086.4	3087.7
20°	3087.7	3087.7	3042.0	3009.1	3009.1	3028.1	3029.4	3035.7	3062.3	3101.6	3108.0
22.5°	3124.5	3125.7	3077.5	3050.9	3053.4	3064.9	3068.7	3078.8	3102.9	3146.0	3153.6
25°	3176.5	3179.0	3129.5	3114.3	3123.2	3144.7	3142.2	3149.8	3176.5	3218.3	3225.9
27.5°	3248.7	3242.4	3196.7	3190.4	3199.3	3214.5	3213.2	3214.5	3236.0	3274.1	3283.0
30°	3342.6	3340.0	3307.1	3310.9	3307.1	3302.0	3303.3	3313.4	3324.8	3355.2	3364.1
32.5°	3433.9	3436.4	3416.1	3435.1	3463.0	3482.0	3452.9	3425.0	3412.3	3428.8	3436.4
35°	3598.7	3605.0	3573.3	3560.7	3598.7	3654.5	3572.1	3526.4	3551.8	3573.3	3579.7
37.5°	3878.9	3882.8	3829.5	3778.8	3750.9	3804.1	3721.7	3725.5	3814.3	3854.9	3853.6
40°	4198.5	4199.8	4164.3	4119.9	4071.7	4084.4	4051.4	4061.5	4119.9	4156.6	4166.8
42.5°	4578.9	4575.1	4519.3	4455.9	4442.0	4454.6	4398.8	4391.2	4458.4	4524.4	4525.6
45°	5072.2	5063.3	4991.0	4921.3	4854.1	4826.2	4812.2	4849.0	4941.6	5002.4	5003.7
47.5°	5603.5	5579.4	5541.4	5485.6	5427.2	5399.3	5376.5	5394.3	5461.5	5485.6	5488.1
50°	6150.0	6155.1	6162.7	6141.1	6119.6	6110.7	6051.1	6016.9	6037.2	5992.8	5986.4
52.5°	6798.0	6808.1	6881.7	6943.8	6980.6	6999.6	6886.7	6768.8	6702.9	6616.7	6591.3
55°	7562.6	7579.1	7686.9	7859.3	8036.9	8130.7	7926.5	7705.9	7501.7	7340.7	7288.7
57.5°	8414.7	8443.9	8592.3	8923.2	9287.2	9509.1	9164.2	8763.5	8369.1	8137.0	8096.5
60°	9414.0	9441.9	9647.3	10121.5	10711.2	11044.7	10522.2	9866.7	9375.9	9154.0	9079.2
62.5°	10603.4	10605.9	10858.3	11412.4	12191.0	12655.1	11947.5	11071.3	10565.3	10297.8	10225.5
65°	11882.8	11889.2	12150.4	12748.9	13554.1	14058.8	13259.9	12346.9	11728.1	11333.8	11278.0
67.5°	12787.0	12813.6	13088.8	13809.0	14562.2	15017.4	14190.7	13158.5	12443.3	11972.9	11926.0
70°	12642.4	12746.4	13069.7	13910.4	14957.8	15607.1	14341.6	13062.1	12118.7	11563.3	11524.0
72.5°	11025.6	11224.7	11655.9	12759.1	14434.1	15328.1	13518.6	11699.0	10631.3	10158.3	10087.3
75°	7508.1	7831.4	8481.9	10073.3	12331.7	13271.3	11380.7	9327.7	8323.4	7669.1	7620.9
77.5°	3347.6	3421.2	4245.4	6077.7	8509.8	9530.6	8268.9	6101.8	4580.2	3653.2	3458.0
80°	933.3	944.7	1260.4	2263.5	4259.4	5599.7	4572.6	2377.6	1336.5	942.2	887.6
82.5°	296.7	322.1	393.1	587.1	1431.6	2555.1	1469.7	634.0	451.4	360.1	324.6
85°	144.6	143.3	199.1	238.4	365.2	565.5	389.3	294.2	257.4	171.2	154.7
87.5°	60.9	62.1	92.6	83.7	106.5	91.3	125.5	131.9	138.2	76.1	65.9
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)