

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: McGRAW-EDISON

Report Number: P952730

Luminaire Tested: **GALN-SB6C-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

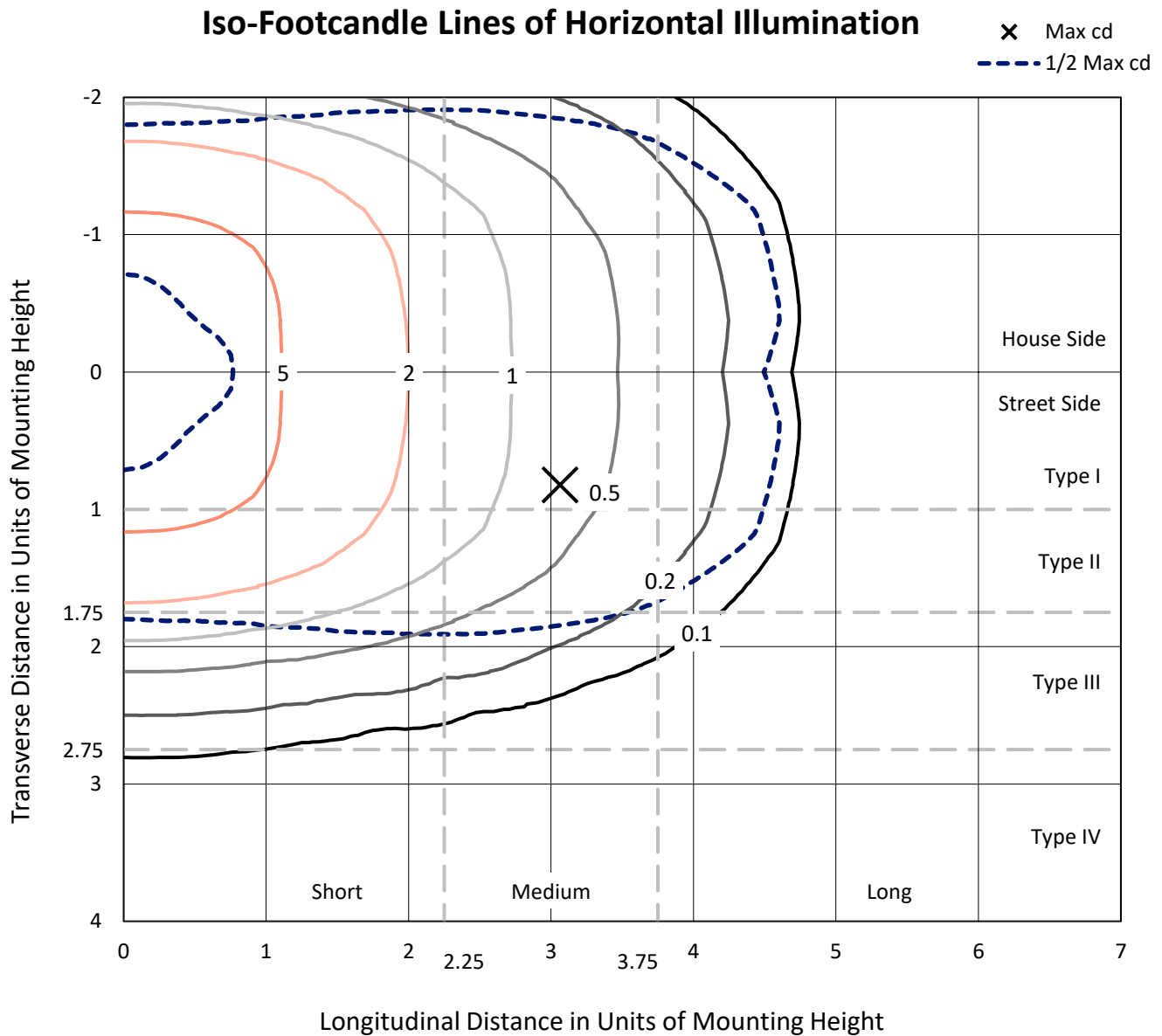
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46765 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 300.9
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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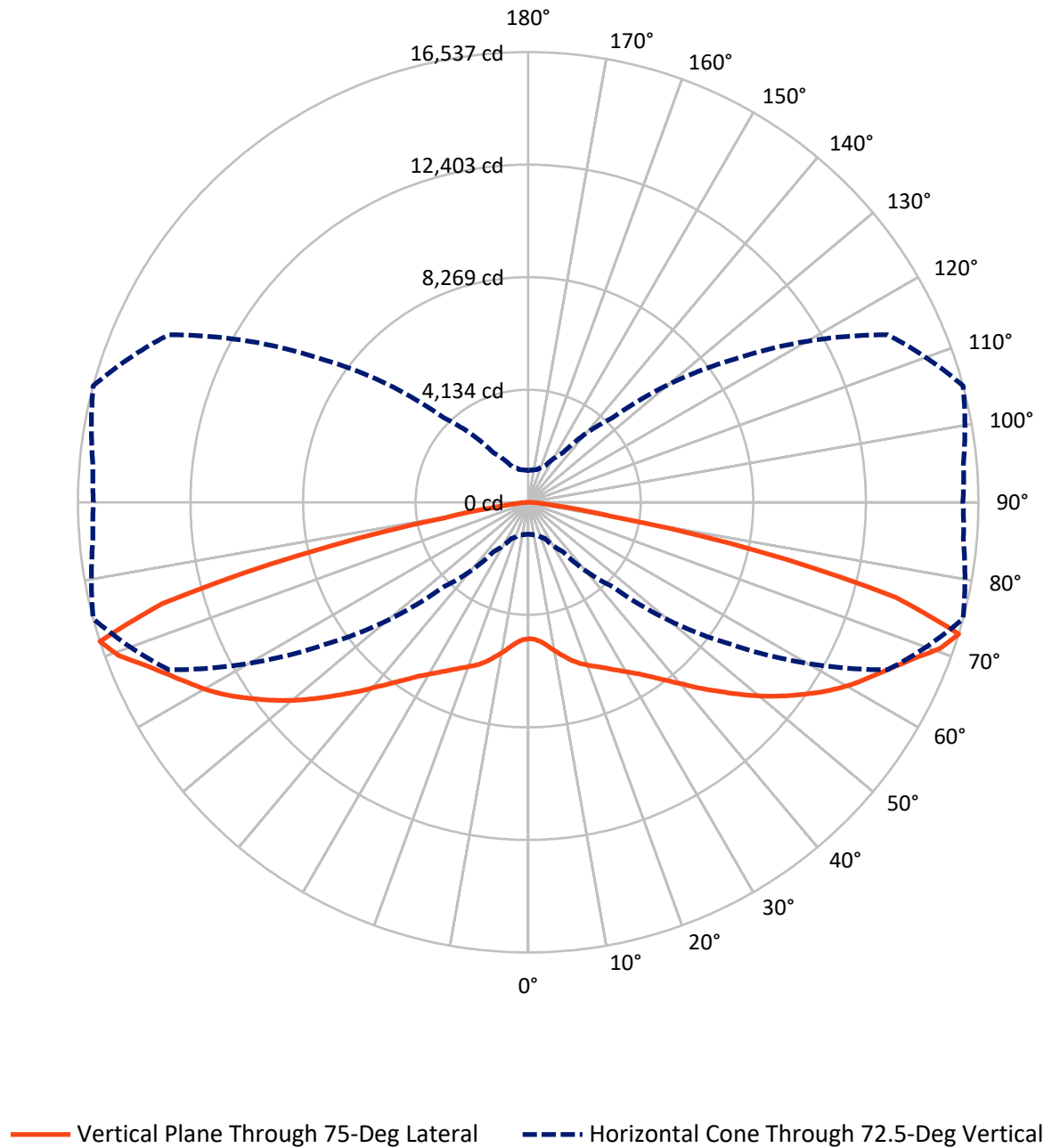


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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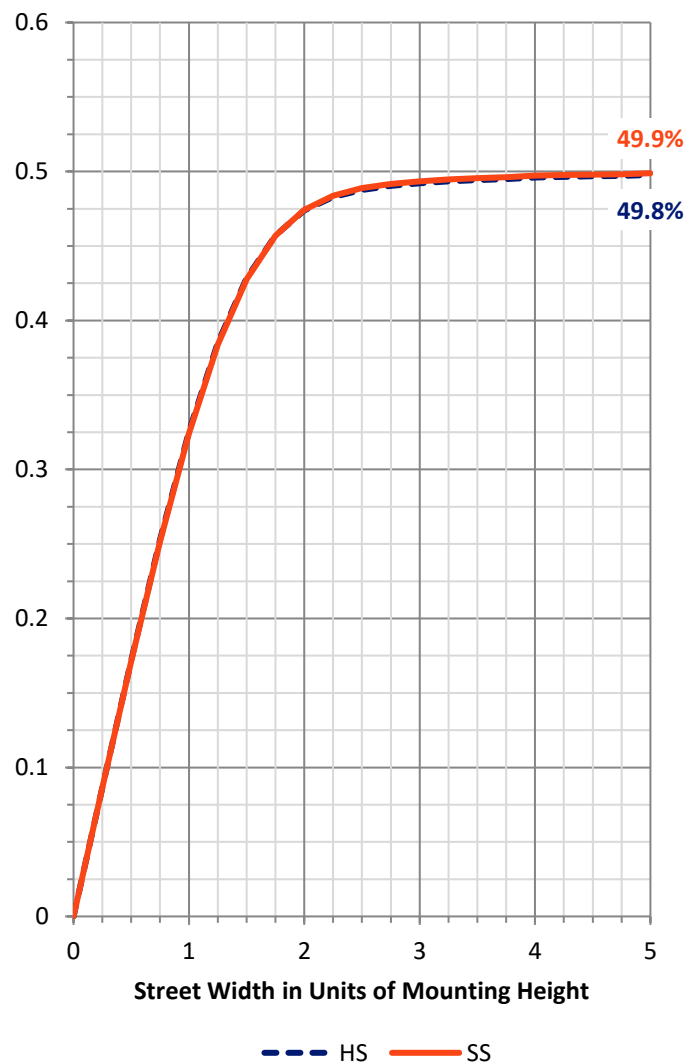
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23382.5	0.0	23382.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23382.5	0.0	23382.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46765.0	0.0	46765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.7	1.0
10°-20°	1618.5	3.5
20°-30°	3127.3	6.7
30°-40°	5280.7	11.3
40°-50°	8374.6	17.9
50°-60°	11212.6	24.0
60°-70°	10670.8	22.8
70°-80°	5568.2	11.9
80°-90°	421.5	0.9
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°	46765.0	100.0
0°-180°	46765.0	100.0

Coefficient of Utilization



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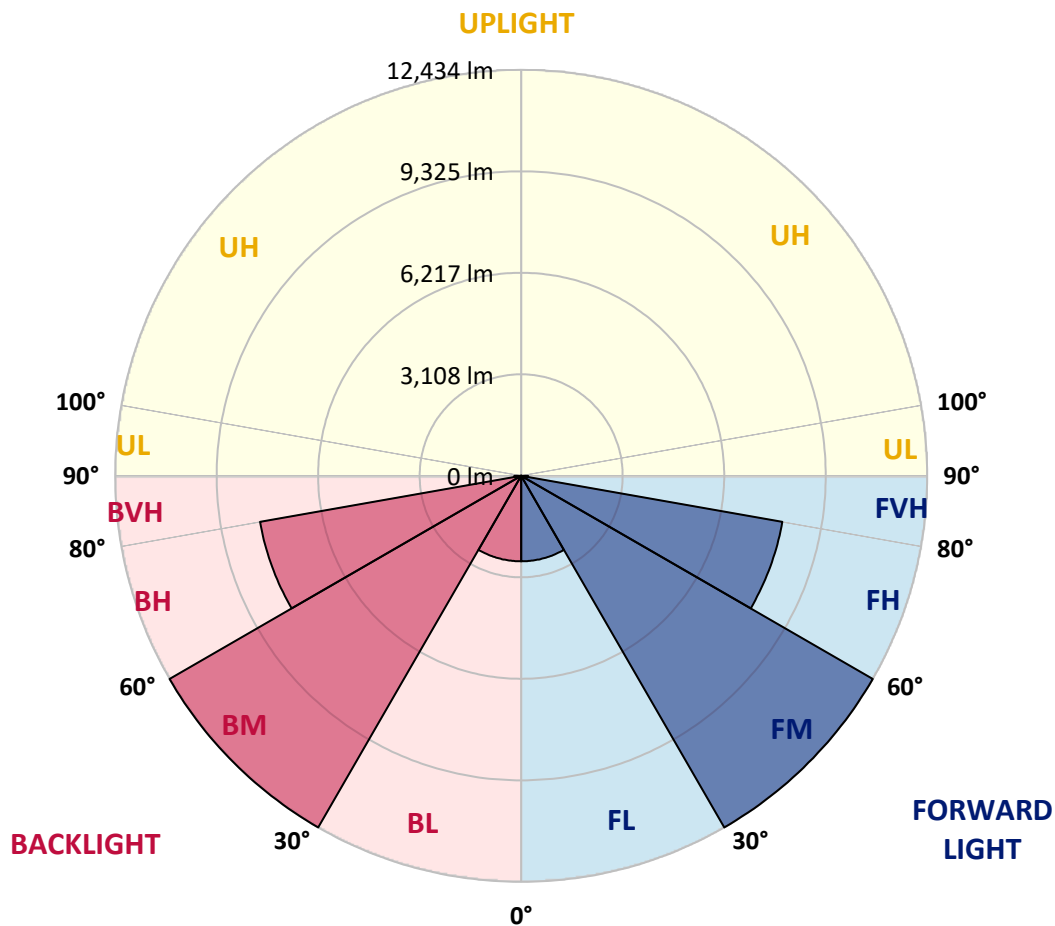
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2618.3	5.6			
FM	(30°-60°)	12434.0	26.6			
FH	(60°-80°)	8119.5	17.4			G4/12000
FVH	(80°-90°)	210.7	0.5			G2/225
BL	(0°-30°)	2618.3	5.6	B4/5000		
BM	(30°-60°)	12434.0	26.6	B5		
BH	(60°-80°)	8119.5	17.4	B5		G5
BVH	(80°-90°)	210.7	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4
2.5°	5009.4	5004.6	5009.4	5014.1	5011.8	5011.8	5023.7	5030.9	5045.2	5042.8	5040.4
5°	4975.9	4973.6	4992.7	5014.1	5030.9	5059.5	5095.3	5121.6	5155.0	5162.2	5162.2
7.5°	4959.2	4952.1	4985.5	5023.7	5076.2	5147.9	5217.1	5288.7	5346.0	5365.1	5369.9
10°	4971.2	4973.6	5018.9	5090.6	5174.1	5274.4	5372.3	5494.1	5575.3	5594.4	5613.5
12.5°	5026.1	5021.3	5097.7	5212.3	5326.9	5453.5	5568.1	5701.8	5790.1	5835.5	5854.6
15°	5126.4	5116.8	5224.3	5393.8	5560.9	5709.0	5802.1	5928.6	6031.3	6088.6	6110.1
17.5°	5245.7	5250.5	5391.4	5611.1	5830.7	5997.9	6086.2	6150.7	6229.5	6279.6	6303.5
20°	5455.9	5465.4	5623.0	5883.3	6134.0	6325.0	6396.6	6372.7	6394.2	6432.4	6461.1
22.5°	5737.6	5742.4	5919.1	6200.8	6463.5	6673.6	6721.3	6623.4	6563.8	6590.0	6609.1
25°	6064.7	6095.8	6272.5	6561.4	6831.2	7031.7	7053.2	6905.2	6757.2	6764.3	6776.3
27.5°	6463.5	6492.1	6671.2	6957.7	7232.3	7406.6	7404.2	7206.0	6988.8	6933.8	6950.6
30°	6895.6	6926.7	7110.5	7406.6	7662.1	7814.9	7781.5	7545.1	7234.7	7132.0	7144.0
32.5°	7409.0	7428.1	7614.3	7910.4	8146.8	8268.6	8199.3	7908.0	7521.2	7404.2	7432.9
35°	8029.8	8058.4	8196.9	8476.3	8684.0	8784.3	8667.3	8323.5	7888.9	7757.6	7776.7
37.5°	8738.9	8719.8	8877.4	9125.7	9297.7	9359.7	9199.8	8791.5	8309.2	8154.0	8182.6
40°	9479.1	9469.6	9641.5	9880.3	9973.4	10011.6	9775.2	9328.7	8793.9	8626.7	8681.6
42.5°	10150.1	10142.9	10374.5	10639.5	10751.8	10708.8	10410.3	9899.4	9355.0	9163.9	9211.7
45°	10687.3	10677.7	10961.9	11334.4	11554.0	11482.4	11081.3	10529.7	9923.2	9725.1	9770.4
47.5°	11100.4	11105.1	11410.8	11871.6	12256.0	12282.3	11766.5	11172.0	10548.8	10324.4	10391.2
50°	11398.8	11413.1	11740.3	12251.2	12776.5	13008.1	12466.1	11831.0	11195.9	10942.8	11019.2
52.5°	11472.8	11499.1	11893.1	12492.4	13110.8	13552.5	13177.6	12463.7	11809.5	11568.3	11630.4
55°	11078.9	11131.4	11630.4	12473.3	13316.1	13910.7	13803.2	13106.0	12427.9	12179.6	12248.8
57.5°	10173.9	10248.0	10830.6	11931.3	13270.8	14156.6	14287.9	13722.0	13046.3	12807.6	12862.5
60°	8906.1	8994.4	9553.1	10754.1	12630.9	14247.3	14629.4	14321.4	13614.6	13383.0	13433.1
62.5°	6993.5	7108.1	7776.7	9185.4	11279.4	13824.7	14920.7	14863.4	14125.6	13836.6	13870.1
65°	4486.5	4608.2	5312.6	6976.8	9476.7	12530.6	15011.4	15391.0	14665.2	14261.7	14311.8
67.5°	2705.3	2760.2	3108.8	4228.6	6926.7	10579.8	14242.6	15976.0	15295.5	14794.1	14832.3
70°	1731.1	1762.1	1969.8	2483.2	3915.8	7719.4	12337.2	16085.9	16059.6	15340.9	15336.1
72.5°	1174.7	1184.3	1239.2	1470.8	2215.8	4386.2	9099.5	14562.5	16537.1	16045.3	15968.9
75°	859.6	912.1	1000.4	1041.0	1258.3	2191.9	5214.7	10231.2	13936.9	14151.8	13631.3
77.5°	639.9	642.3	764.1	811.8	897.8	1167.6	2206.2	5711.3	8653.0	9085.2	8103.8
80°	542.0	513.4	511.0	654.2	675.7	728.2	986.1	1972.2	3099.2	1879.1	1420.7
82.5°	451.3	420.2	379.6	511.0	460.8	446.5	427.4	802.3	986.1	484.7	413.1
85°	315.2	300.8	286.5	334.3	262.6	224.4	205.3	374.9	415.5	205.3	181.5
87.5°	136.1	140.9	143.3	148.0	109.8	78.8	78.8	105.1	105.1	81.2	59.7
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)