

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: P956615

Luminaire Tested: **GALN-SB9B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956615
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-SB9B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

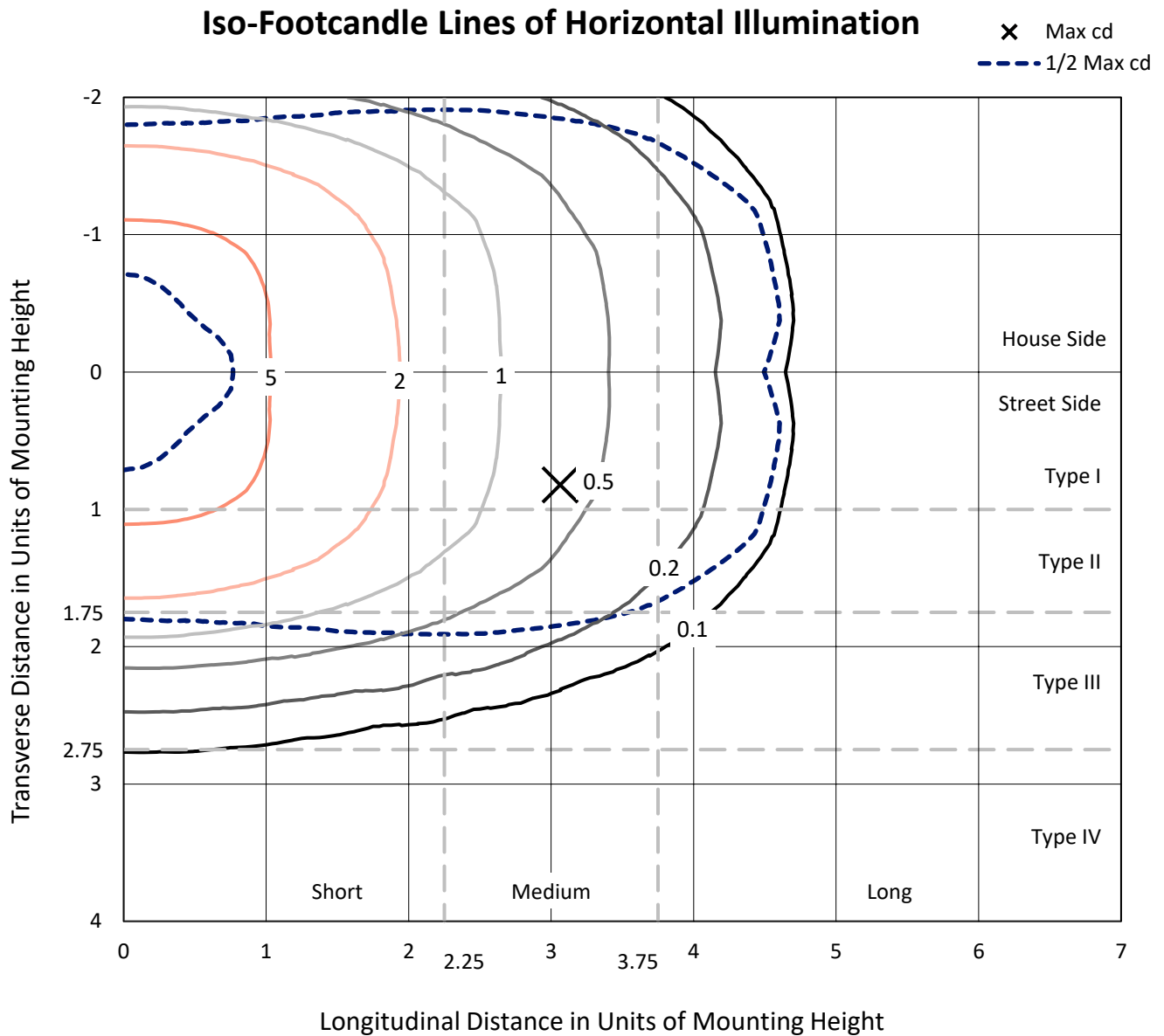
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43630 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 329.5
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

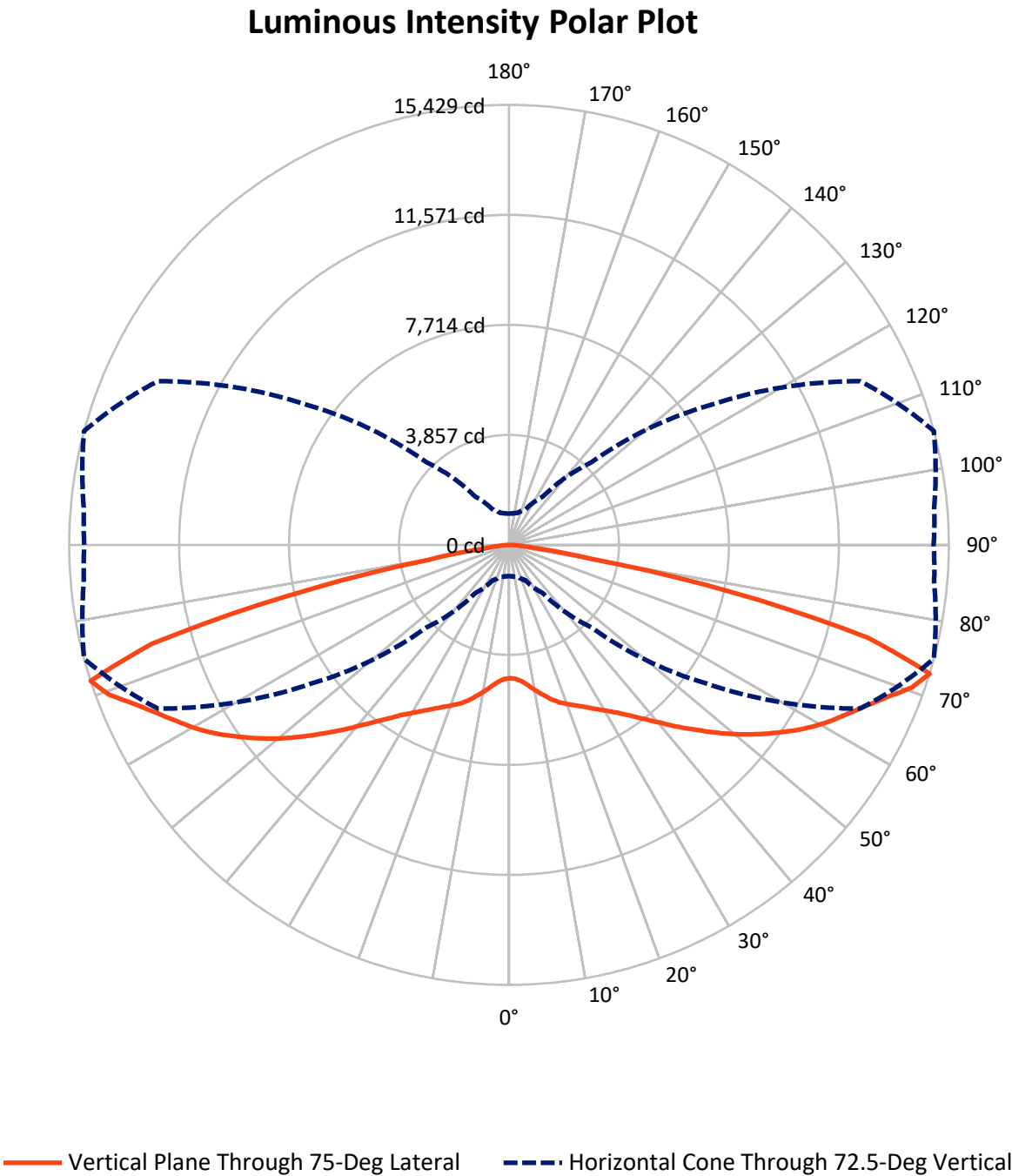


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Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

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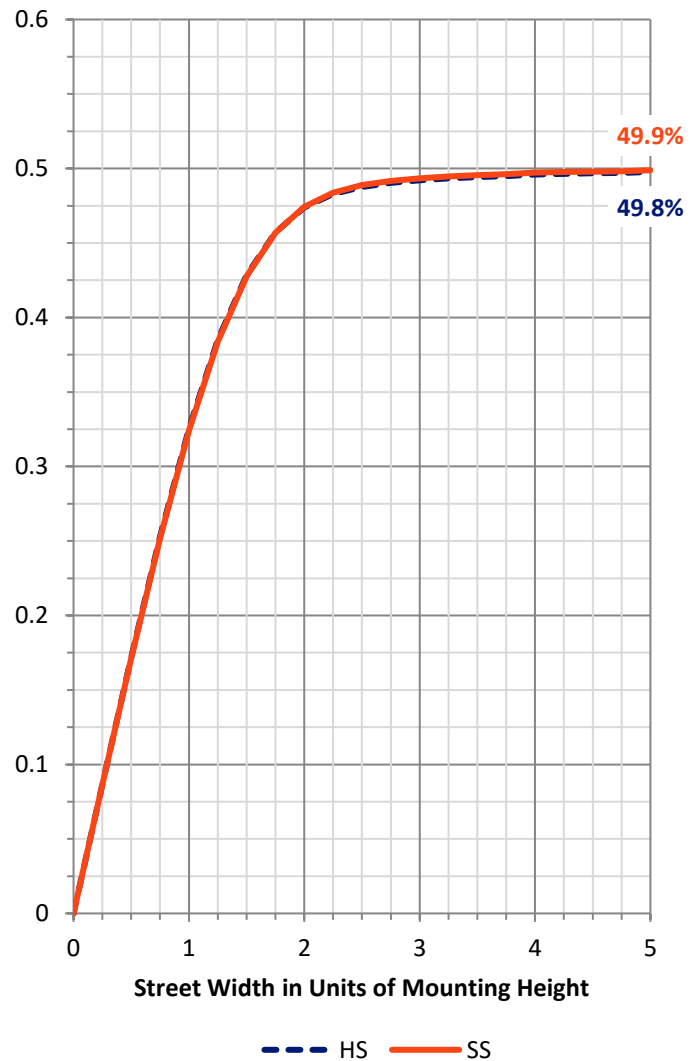
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21815.0	0.0	21815.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21815.0	0.0	21815.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43630.0	0.0	43630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	1.0
10°-20°	1510.0	3.5
20°-30°	2917.7	6.7
30°-40°	4926.7	11.3
40°-50°	7813.2	17.9
50°-60°	10461.0	24.0
60°-70°	9955.5	22.8
70°-80°	5194.9	11.9
80°-90°	393.2	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°	43630.0	100.0
0°-180°	43630.0	100.0

Coefficient of Utilization



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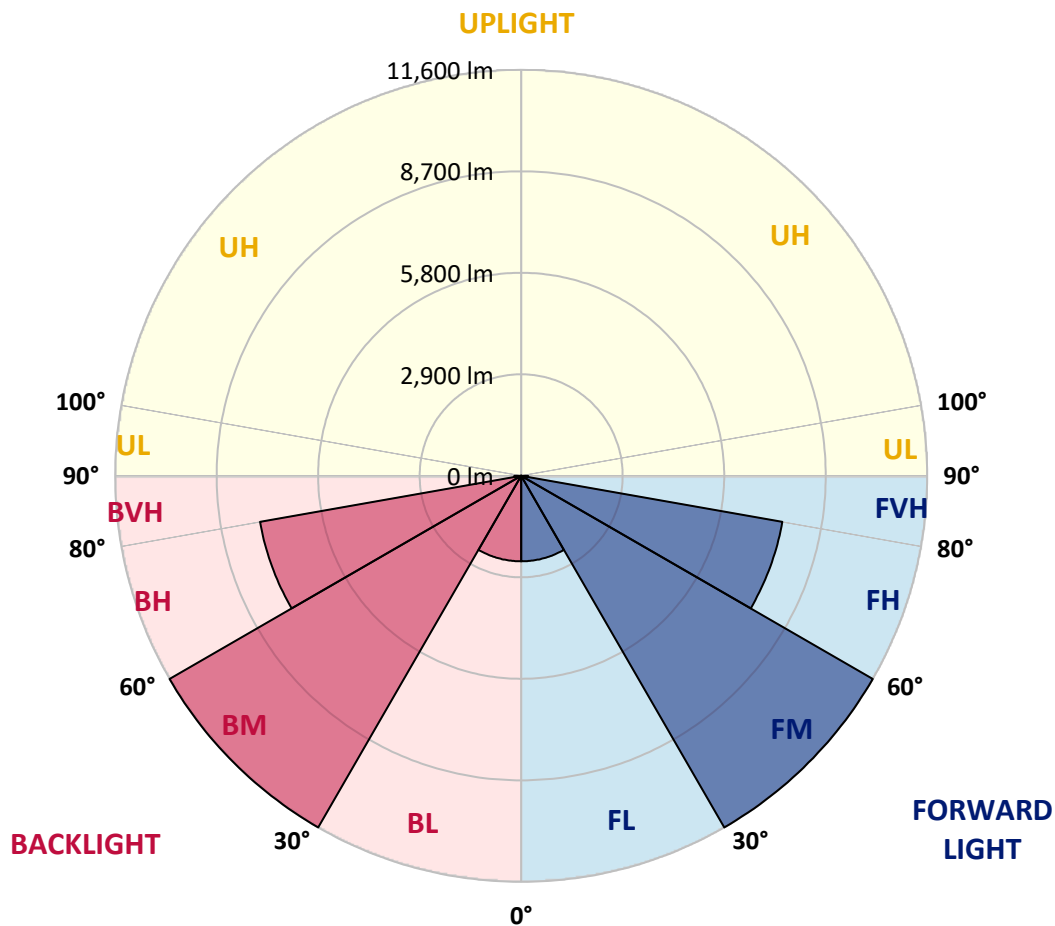
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2442.7	5.6			
FM	(30°-60°)	11600.4	26.6			
FH	(60°-80°)	7575.2	17.4			G4/12000
FVH	(80°-90°)	196.6	0.5			G2/225
BL	(0°-30°)	2442.7	5.6	B3/2500		
BM	(30°-60°)	11600.4	26.6	B5		
BH	(60°-80°)	7575.2	17.4	B5		G5
BVH	(80°-90°)	196.6	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°	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6	4673.6
2.5°	4673.6	4669.1	4673.6	4678.0	4675.8	4675.8	4686.9	4693.6	4707.0	4704.7	4702.5
5°	4642.4	4640.1	4658.0	4678.0	4693.6	4720.3	4753.7	4778.3	4809.4	4816.1	4816.1
7.5°	4626.8	4620.1	4651.3	4686.9	4735.9	4802.8	4867.4	4934.2	4987.6	5005.5	5009.9
10°	4637.9	4640.1	4682.5	4749.3	4827.3	4920.8	5012.2	5125.8	5201.5	5219.3	5237.1
12.5°	4689.1	4684.7	4756.0	4862.9	4969.8	5087.9	5194.8	5319.6	5402.0	5444.3	5462.1
15°	4782.7	4773.8	4874.0	5032.2	5188.1	5326.2	5413.1	5531.2	5627.0	5680.4	5700.5
17.5°	4894.1	4898.5	5030.0	5234.9	5439.9	5595.8	5678.2	5738.4	5811.9	5858.6	5880.9
20°	5090.1	5099.0	5246.1	5488.9	5722.8	5901.0	5967.8	5945.5	5965.6	6001.2	6027.9
22.5°	5353.0	5357.4	5522.3	5785.1	6030.2	6226.2	6270.8	6179.4	6123.7	6148.2	6166.1
25°	5658.2	5687.1	5852.0	6121.5	6373.2	6560.4	6580.4	6442.3	6304.2	6310.9	6322.0
27.5°	6030.2	6056.9	6224.0	6491.3	6747.5	6910.1	6907.9	6723.0	6520.3	6469.0	6484.6
30°	6433.4	6462.3	6633.9	6910.1	7148.4	7291.0	7259.8	7039.3	6749.7	6653.9	6665.0
32.5°	6912.3	6930.1	7103.9	7380.1	7600.7	7714.3	7649.7	7377.9	7017.0	6907.9	6934.6
35°	7491.5	7518.2	7647.4	7908.1	8101.9	8195.4	8086.3	7765.5	7360.1	7237.5	7255.4
37.5°	8153.1	8135.3	8282.3	8514.0	8674.4	8732.3	8583.0	8202.1	7752.1	7607.3	7634.1
40°	8843.7	8834.8	8995.1	9217.9	9304.8	9340.4	9119.9	8703.3	8204.3	8048.4	8099.6
42.5°	9469.6	9462.9	9679.0	9926.3	10031.0	9990.9	9712.4	9235.7	8727.8	8549.6	8594.2
45°	9970.8	9961.9	10227.0	10574.5	10779.5	10712.6	10338.4	9823.8	9258.0	9073.1	9115.4
47.5°	10356.2	10360.7	10645.8	11075.7	11434.4	11458.9	10977.7	10423.1	9841.6	9632.2	9694.6
50°	10634.7	10648.0	10953.2	11429.9	11920.0	12136.1	11630.4	11037.9	10445.3	10209.2	10280.5
52.5°	10703.7	10728.2	11095.8	11654.9	12231.9	12644.0	12294.3	11628.2	11017.8	10792.8	10850.8
55°	10336.2	10385.2	10850.8	11637.1	12423.5	12978.1	12877.9	12227.4	11594.8	11363.1	11427.7
57.5°	9491.9	9561.0	10104.5	11131.4	12381.1	13207.6	13330.1	12802.2	12171.7	11949.0	12000.2
60°	8309.0	8391.5	8912.7	10033.2	11784.1	13292.2	13648.6	13361.3	12701.9	12485.8	12532.6
62.5°	6524.7	6631.6	7255.4	8569.7	10523.3	12897.9	13920.4	13867.0	13178.6	12909.1	12940.3
65°	4185.7	4299.3	4956.5	6509.1	8841.4	11690.6	14005.1	14359.3	13682.1	13305.6	13352.4
67.5°	2523.9	2575.1	2900.4	3945.1	6462.3	9870.6	13287.8	14905.0	14270.2	13802.4	13838.0
70°	1615.0	1644.0	1837.8	2316.7	3653.3	7201.9	11510.1	15007.5	14983.0	14312.5	14308.0
72.5°	1096.0	1104.9	1156.1	1372.2	2067.2	4092.1	8489.5	13586.3	15428.5	14969.6	14898.3
75°	801.9	851.0	933.4	971.2	1174.0	2045.0	4865.1	9545.4	13002.6	13203.1	12717.5
77.5°	597.0	599.2	712.8	757.4	837.6	1089.3	2058.3	5328.5	8072.9	8476.1	7560.6
80°	505.7	478.9	476.7	610.4	630.4	679.4	920.0	1840.0	2891.5	1753.1	1325.4
82.5°	421.0	392.1	354.2	476.7	429.9	416.6	398.7	748.5	920.0	452.2	385.4
85°	294.0	280.7	267.3	311.9	245.0	209.4	191.6	349.7	387.6	191.6	169.3
87.5°	127.0	131.4	133.7	138.1	102.5	73.5	73.5	98.0	98.0	75.7	55.7
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)