

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: P955208

Luminaire Tested: **GALN-SB8B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955208
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-SB8B-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

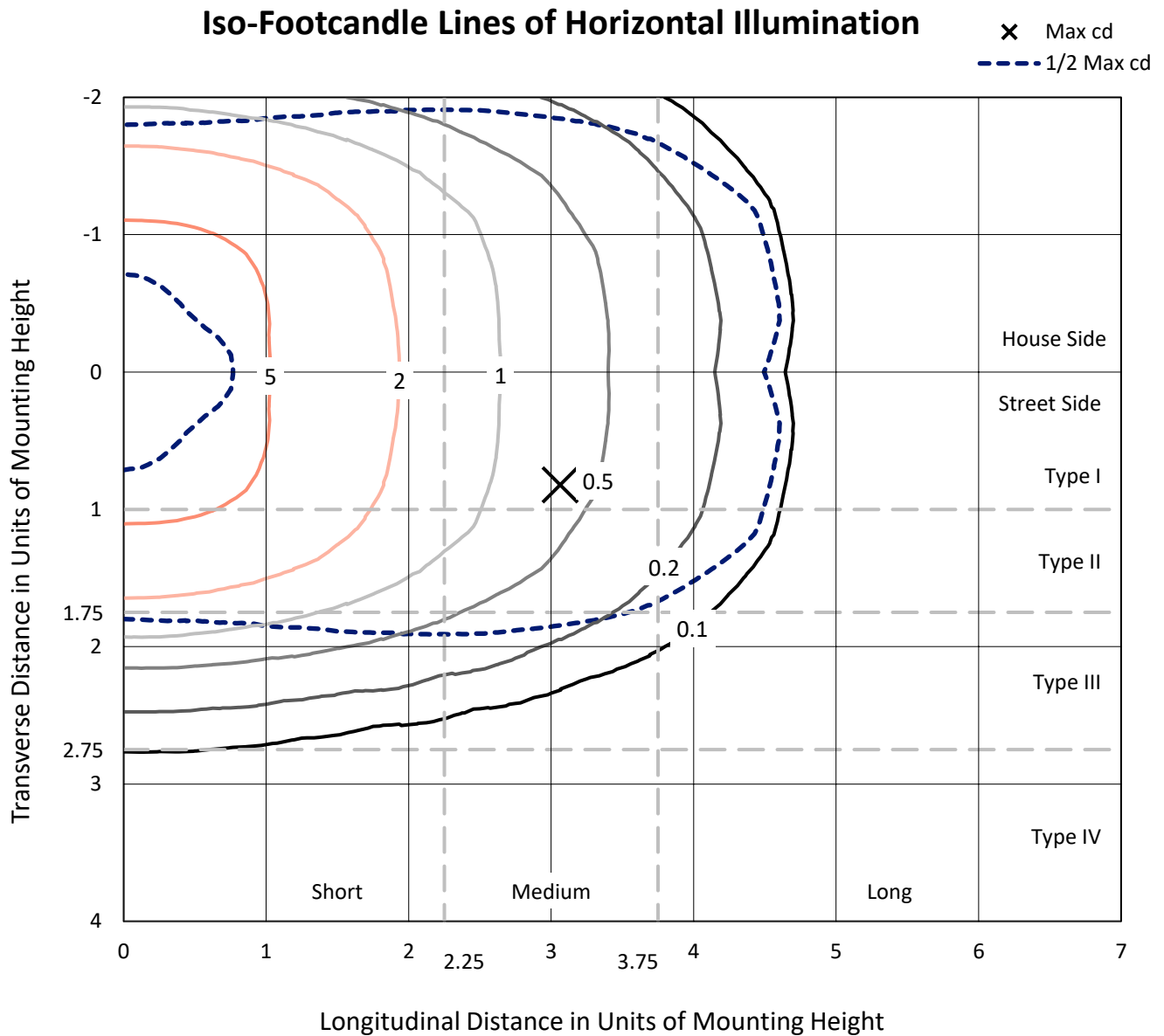
Lumens per Lamp: N/A
Luminaire Lumens: 43491 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 292.8
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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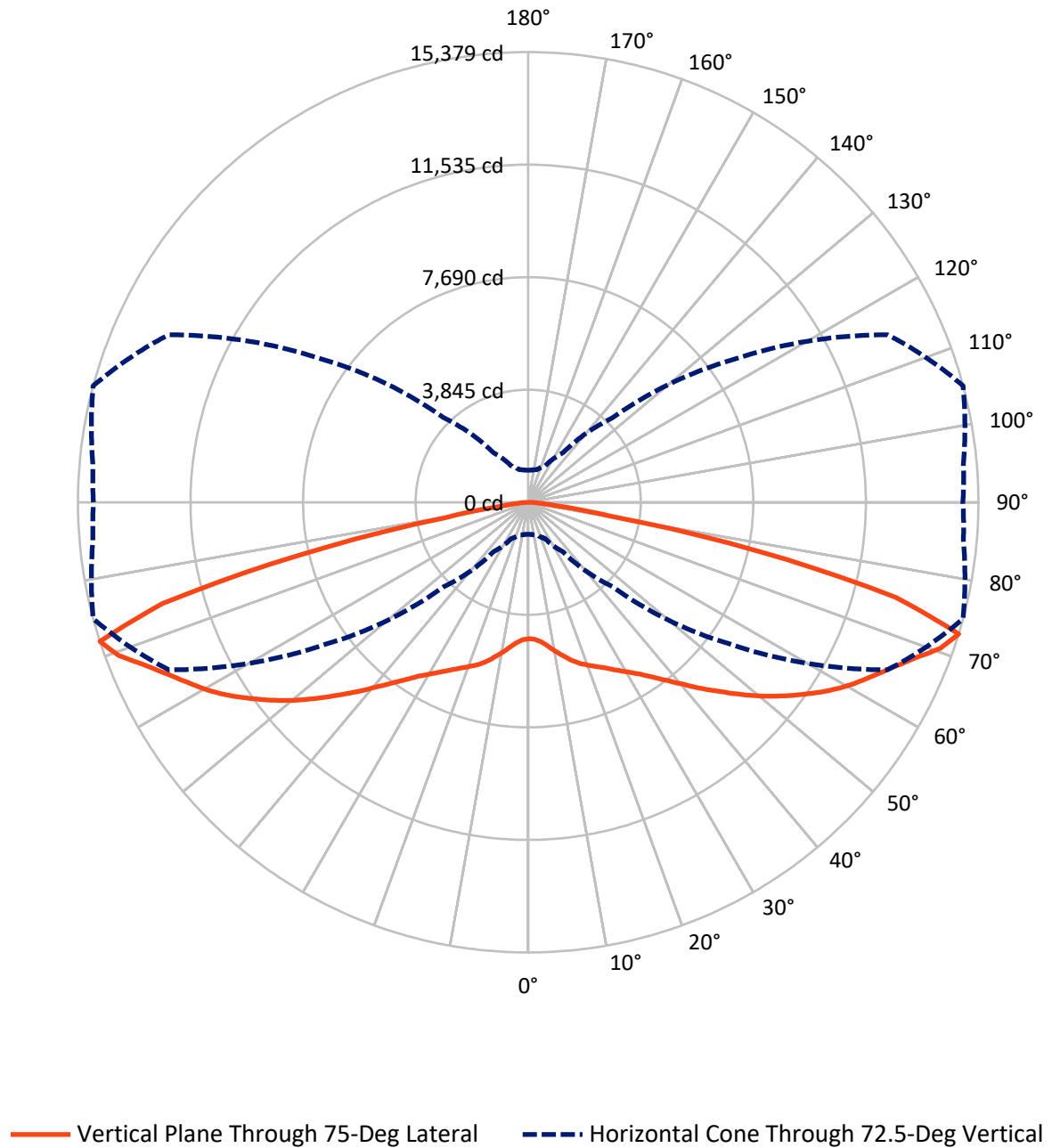


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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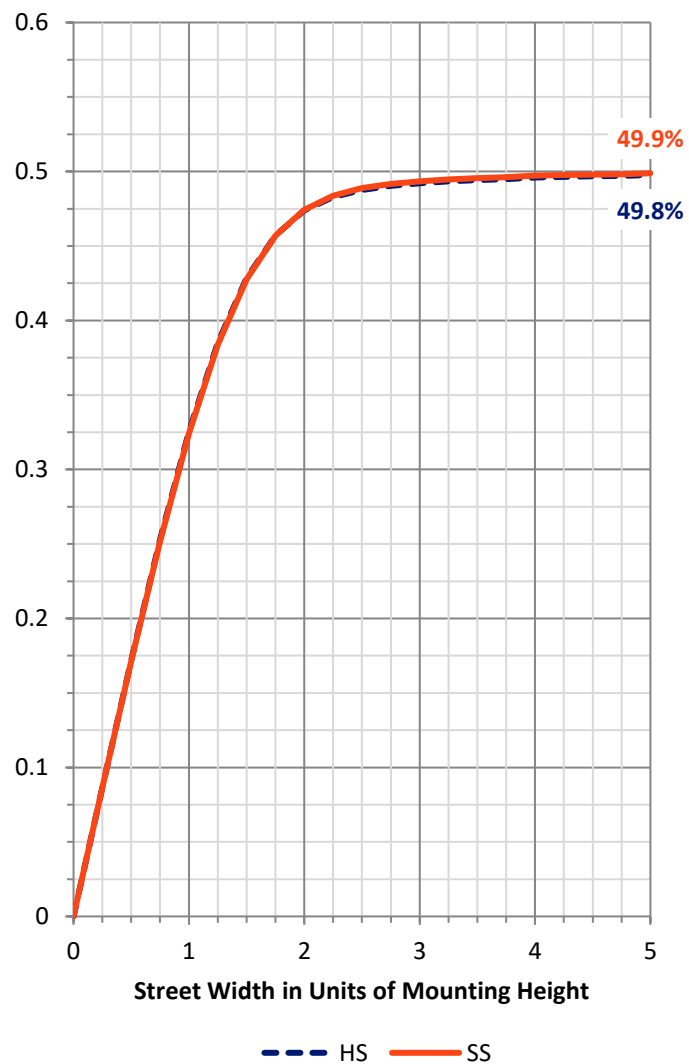
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21745.5	0.0	21745.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21745.5	0.0	21745.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43491.0	0.0	43491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.4	1.0
10°-20°	1505.2	3.5
20°-30°	2908.4	6.7
30°-40°	4911.0	11.3
40°-50°	7788.3	17.9
50°-60°	10427.6	24.0
60°-70°	9923.8	22.8
70°-80°	5178.4	11.9
80°-90°	392.0	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°	43491.0	100.0
0°-180°	43491.0	100.0

Coefficient of Utilization



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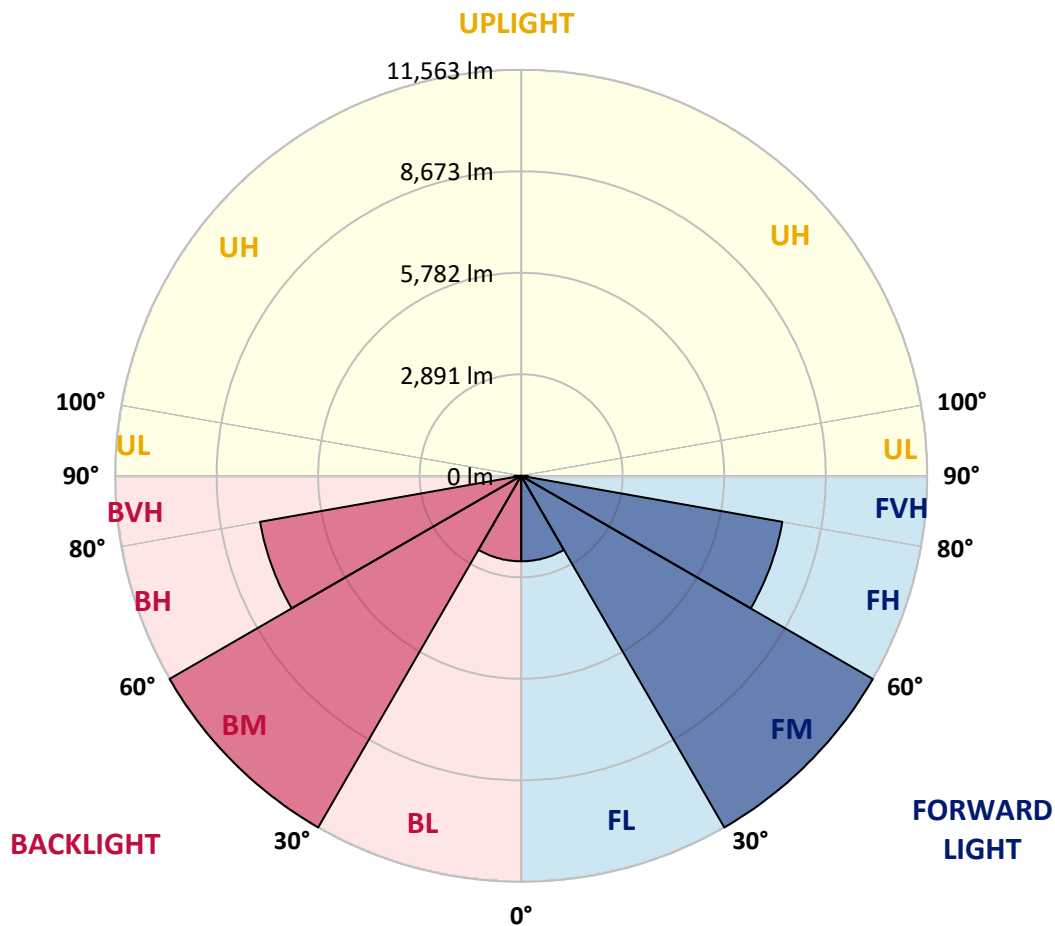
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2435.0	5.6			
FM	(30°-60°)	11563.5	26.6			
FH	(60°-80°)	7551.1	17.4			G4/12000
FVH	(80°-90°)	196.0	0.5			G2/225
BL	(0°-30°)	2435.0	5.6	B3/2500		
BM	(30°-60°)	11563.5	26.6	B5		
BH	(60°-80°)	7551.1	17.4	B5		G5
BVH	(80°-90°)	196.0	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°	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7	4658.7
2.5°	4658.7	4654.2	4658.7	4663.1	4660.9	4660.9	4672.0	4678.6	4692.0	4689.8	4687.5
5°	4627.6	4625.4	4643.1	4663.1	4678.6	4705.3	4738.6	4763.0	4794.1	4800.8	4800.8
7.5°	4612.0	4605.4	4636.5	4672.0	4720.8	4787.5	4851.9	4918.5	4971.8	4989.5	4994.0
10°	4623.1	4625.4	4667.5	4734.2	4811.9	4905.1	4996.2	5109.4	5184.9	5202.7	5220.5
12.5°	4674.2	4669.8	4740.8	4847.4	4954.0	5071.7	5178.3	5302.6	5384.8	5427.0	5444.7
15°	4767.5	4758.6	4858.5	5016.2	5171.6	5309.3	5395.9	5513.6	5609.1	5662.3	5682.3
17.5°	4878.5	4882.9	5013.9	5218.2	5422.5	5578.0	5660.1	5720.1	5793.4	5840.0	5862.2
20°	5073.9	5082.8	5229.3	5471.4	5704.5	5882.2	5948.8	5926.6	5946.6	5982.1	6008.7
22.5°	5335.9	5340.4	5504.7	5766.7	6011.0	6206.4	6250.8	6159.7	6104.2	6128.7	6146.4
25°	5640.1	5669.0	5833.3	6102.0	6352.9	6539.5	6559.4	6421.8	6284.1	6290.8	6301.9
27.5°	6011.0	6037.6	6204.2	6470.6	6726.0	6888.1	6885.9	6701.5	6499.5	6448.4	6464.0
30°	6412.9	6441.7	6612.7	6888.1	7125.7	7267.8	7236.7	7016.9	6728.2	6632.7	6643.8
32.5°	6890.3	6908.1	7081.3	7356.6	7576.4	7689.7	7625.3	7354.4	6994.7	6885.9	6912.5
35°	7467.6	7494.3	7623.1	7882.9	8076.1	8169.3	8060.5	7740.8	7336.6	7214.5	7232.3
37.5°	8127.1	8109.4	8255.9	8486.9	8646.7	8704.5	8555.7	8176.0	7727.4	7583.1	7609.7
40°	8815.5	8806.6	8966.5	9188.5	9275.1	9310.7	9090.8	8675.6	8178.2	8022.8	8073.8
42.5°	9439.5	9432.8	9648.2	9894.7	9999.0	9959.1	9681.5	9206.3	8700.0	8522.4	8566.8
45°	9939.1	9930.2	10194.4	10540.8	10745.1	10678.5	10305.5	9792.5	9228.5	9044.2	9086.4
47.5°	10323.2	10327.7	10611.9	11040.5	11398.0	11422.4	10942.8	10389.8	9810.3	9601.6	9663.7
50°	10600.8	10614.1	10918.3	11393.5	11882.0	12097.4	11593.4	11002.7	10412.0	10176.7	10247.7
52.5°	10669.6	10694.1	11060.4	11617.8	12192.9	12603.7	12255.1	11591.1	10982.7	10758.5	10816.2
55°	10303.2	10352.1	10816.2	11600.0	12383.9	12936.8	12836.9	12188.5	11557.8	11326.9	11391.3
57.5°	9461.7	9530.5	10072.3	11096.0	12341.7	13165.5	13287.6	12761.4	12133.0	11910.9	11962.0
60°	8282.6	8364.7	8884.3	10001.3	11746.6	13249.9	13605.2	13318.7	12661.4	12446.1	12492.7
62.5°	6503.9	6610.5	7232.3	8542.4	10489.8	12856.8	13876.1	13822.8	13136.6	12868.0	12899.0
65°	4172.4	4285.6	4940.7	6488.4	8813.3	11653.3	13960.5	14313.5	13638.5	13263.2	13309.8
67.5°	2515.9	2566.9	2891.1	3932.6	6441.7	9839.2	13245.4	14857.5	14224.7	13758.4	13793.9
70°	1609.9	1638.7	1831.9	2309.3	3641.7	7179.0	11473.5	14959.7	14935.3	14266.9	14262.4
72.5°	1092.5	1101.4	1152.5	1367.8	2060.6	4079.1	8462.4	13543.0	15379.4	14921.9	14850.9
75°	799.4	848.2	930.4	968.1	1170.2	2038.4	4849.6	9515.0	12961.2	13161.1	12677.0
77.5°	595.1	597.3	710.6	755.0	834.9	1085.8	2051.8	5311.5	8047.2	8449.1	7536.5
80°	504.1	477.4	475.2	608.4	628.4	677.3	917.1	1834.2	2882.2	1747.6	1321.2
82.5°	419.7	390.8	353.1	475.2	428.6	415.2	397.5	746.1	917.1	450.8	384.2
85°	293.1	279.8	266.5	310.9	244.3	208.7	191.0	348.6	386.4	191.0	168.8
87.5°	126.6	131.0	133.2	137.7	102.1	73.3	73.3	97.7	97.7	75.5	55.5
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)