

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: P956636

Luminaire Tested: **GALN-SB9B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956636
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-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

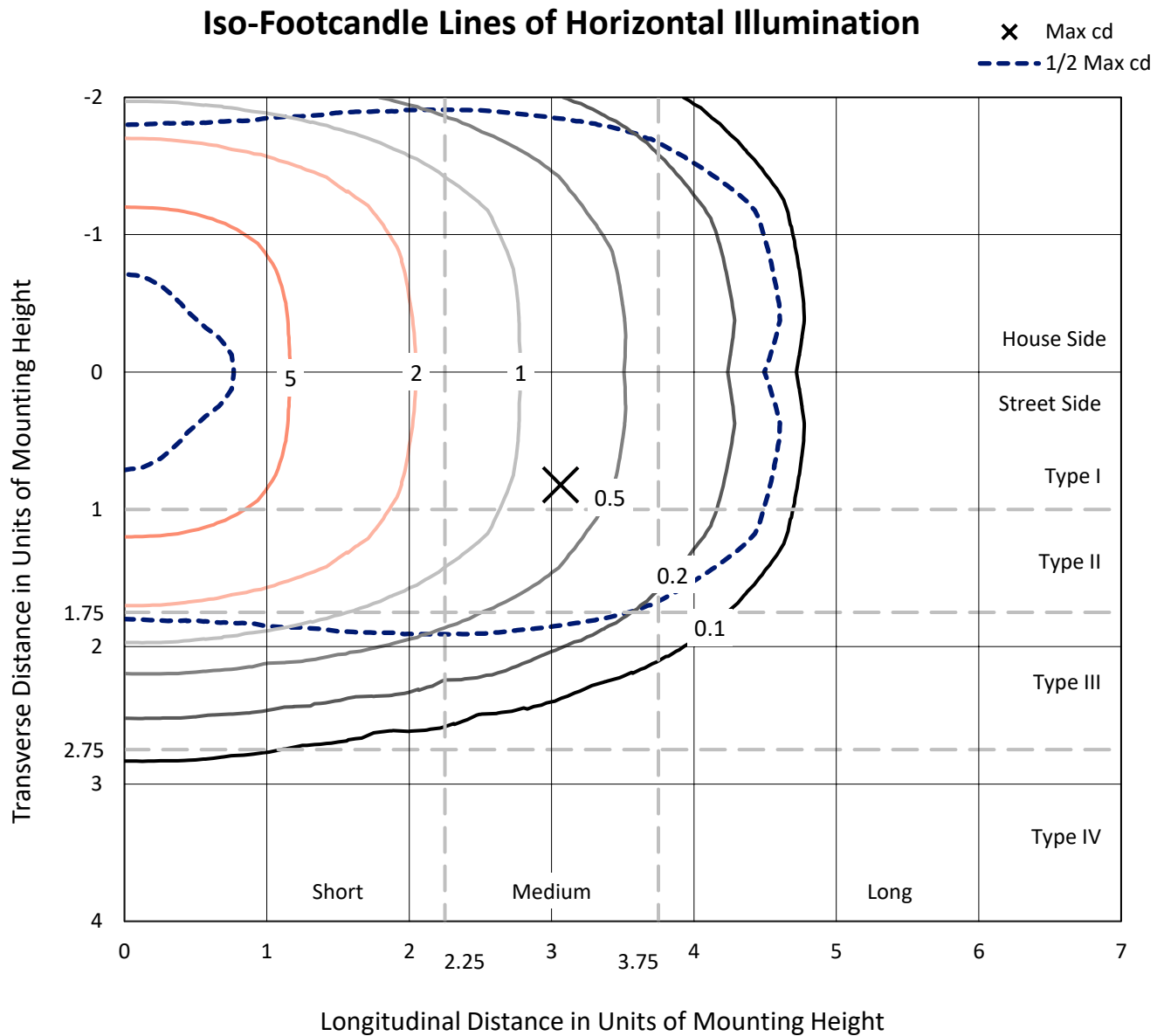
Lumens per Lamp: N/A
Luminaire Lumens: 48988 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

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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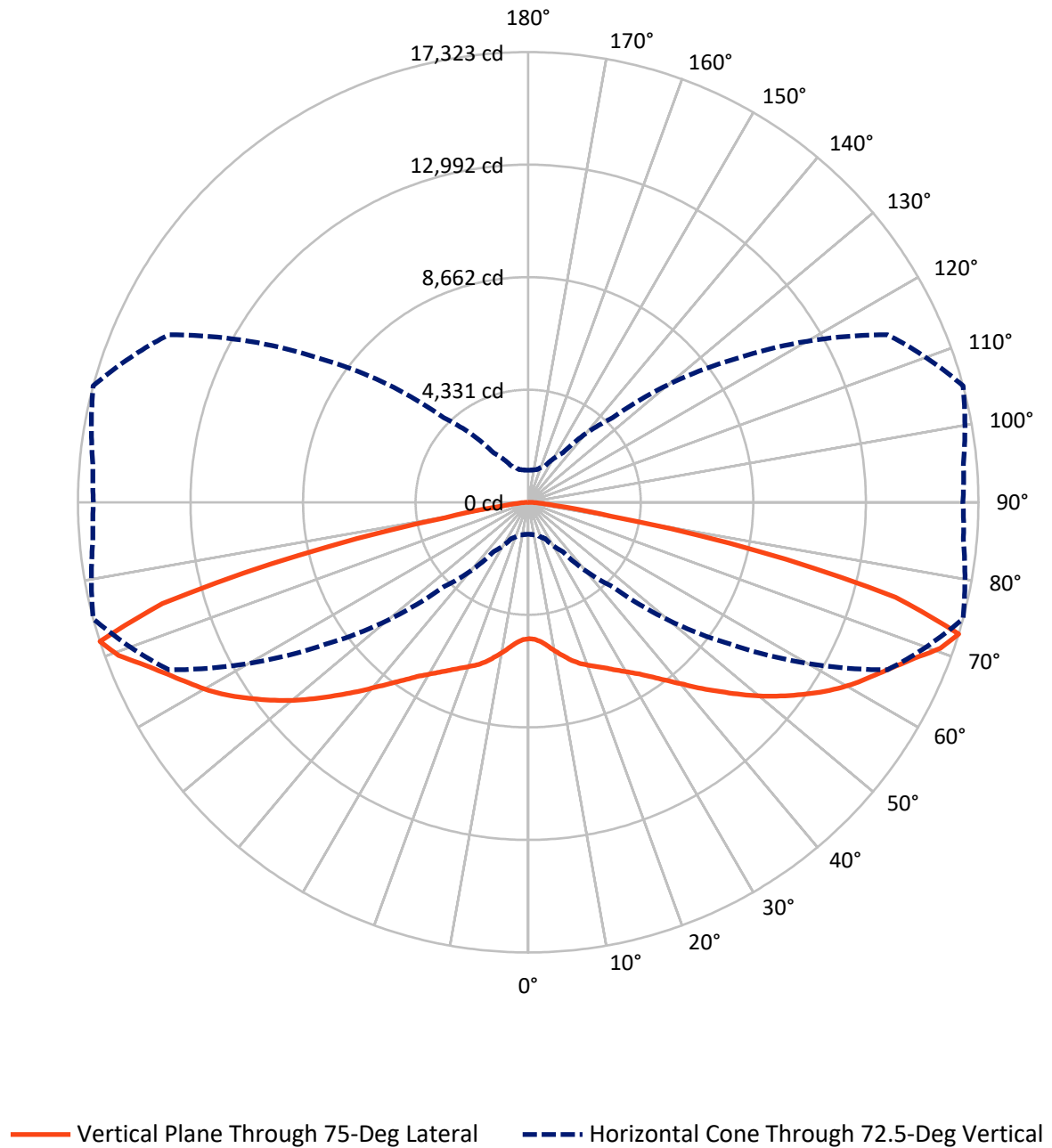


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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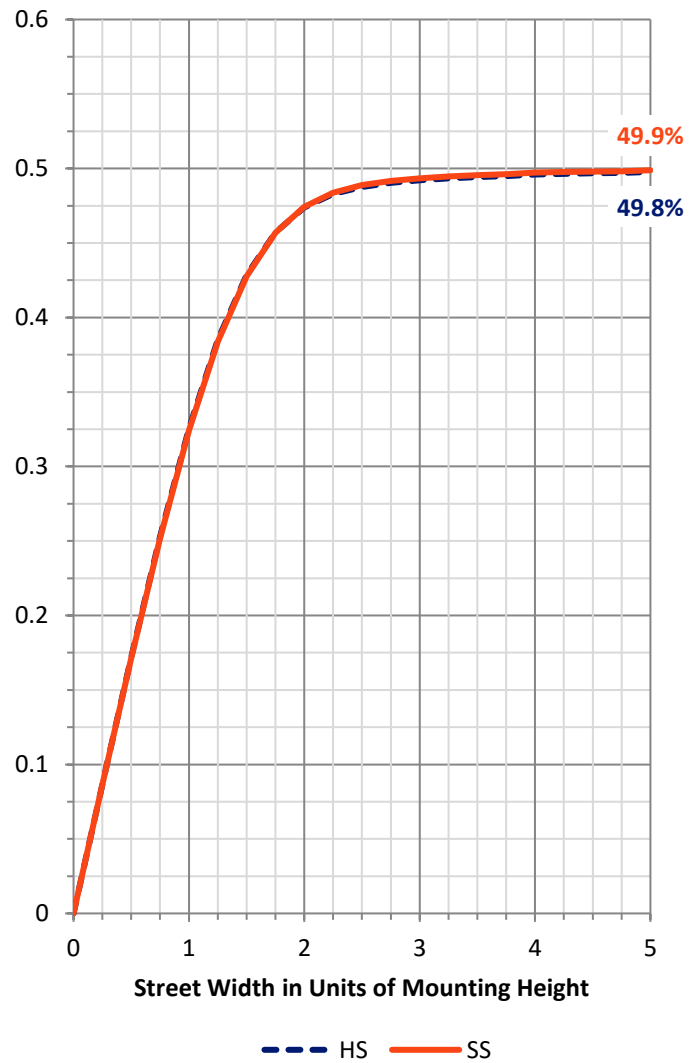
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24494.0	0.0	24494.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24494.0	0.0	24494.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48988.0	0.0	48988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.0	1.0
10°-20°	1695.4	3.5
20°-30°	3276.0	6.7
30°-40°	5531.7	11.3
40°-50°	8772.7	17.9
50°-60°	11745.6	24.0
60°-70°	11178.1	22.8
70°-80°	5832.9	11.9
80°-90°	441.5	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°	48988.0	100.0
0°-180°	48988.0	100.0

Coefficient of Utilization



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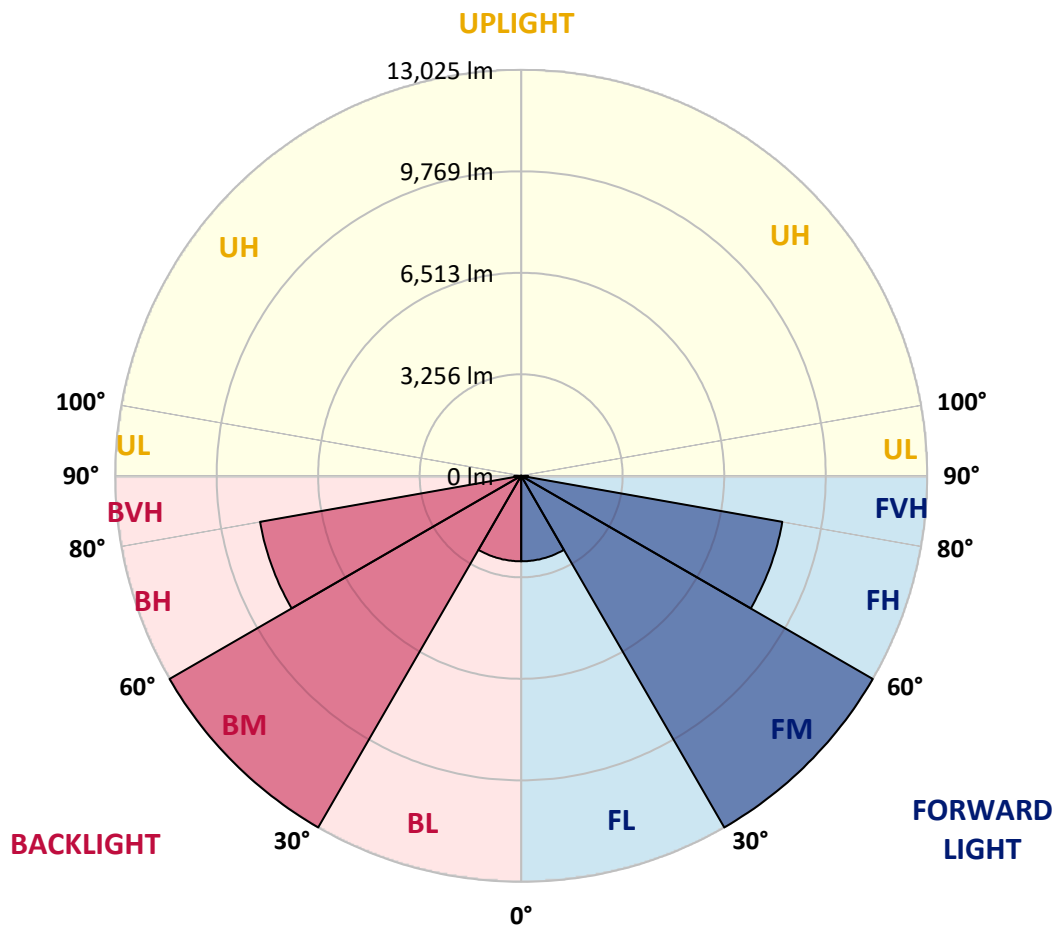
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2742.7	5.6			
FM	(30°-60°)	13025.0	26.6			
FH	(60°-80°)	8505.5	17.4			G4/12000
FVH	(80°-90°)	220.8	0.5			G2/225
BL	(0°-30°)	2742.7	5.6	B4/5000		
BM	(30°-60°)	13025.0	26.6	B5		
BH	(60°-80°)	8505.5	17.4	B5		G5
BVH	(80°-90°)	220.8	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°	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5	5247.5
2.5°	5247.5	5242.5	5247.5	5252.5	5250.0	5250.0	5262.5	5270.0	5285.0	5282.5	5280.0
5°	5212.5	5210.0	5230.0	5252.5	5270.0	5300.0	5337.5	5365.0	5400.1	5407.6	5407.6
7.5°	5195.0	5187.5	5222.5	5262.5	5317.5	5392.6	5465.1	5540.1	5600.2	5620.2	5625.2
10°	5207.5	5210.0	5257.5	5332.5	5420.1	5525.1	5627.7	5755.2	5840.3	5860.3	5880.3
12.5°	5265.0	5260.0	5340.0	5460.1	5580.1	5712.7	5832.8	5972.8	6065.4	6112.9	6132.9
15°	5370.0	5360.0	5472.6	5650.2	5825.3	5980.3	6077.9	6210.4	6318.0	6378.0	6400.5
17.5°	5495.1	5500.1	5647.7	5877.8	6107.9	6283.0	6375.5	6443.1	6525.6	6578.1	6603.1
20°	5715.2	5725.2	5890.3	6162.9	6425.6	6625.6	6700.7	6675.7	6698.2	6738.2	6768.2
22.5°	6010.4	6015.4	6200.4	6495.6	6770.7	6990.8	7040.8	6938.3	6875.8	6903.3	6923.3
25°	6353.0	6385.5	6570.6	6873.3	7155.9	7366.0	7388.5	7233.4	7078.4	7085.9	7098.4
27.5°	6770.7	6800.7	6988.3	7288.5	7576.1	7758.7	7756.2	7548.6	7321.0	7263.4	7281.0
30°	7223.4	7255.9	7448.5	7758.7	8026.3	8186.4	8151.4	7903.8	7578.6	7471.0	7483.6
32.5°	7761.2	7781.2	7976.3	8286.4	8534.1	8661.6	8589.1	8283.9	7878.7	7756.2	7786.2
35°	8411.5	8441.5	8586.6	8879.2	9096.8	9201.9	9079.3	8719.1	8263.9	8126.4	8146.4
37.5°	9154.3	9134.3	9299.4	9559.5	9739.6	9804.7	9637.1	9209.4	8704.1	8541.6	8571.6
40°	9929.7	9919.7	10099.8	10349.9	10447.5	10487.5	10239.9	9772.1	9211.9	9036.8	9094.3
42.5°	10632.5	10625.0	10867.7	11145.3	11262.8	11217.8	10905.2	10369.9	9799.7	9599.6	9649.6
45°	11195.3	11185.3	11483.0	11873.1	12103.2	12028.2	11608.0	11030.2	10394.9	10187.3	10234.9
47.5°	11628.0	11633.0	11953.2	12435.9	12838.6	12866.1	12325.9	11703.1	11050.2	10815.1	10885.2
50°	11940.7	11955.7	12298.3	12833.6	13383.9	13626.5	13058.7	12393.4	11728.1	11462.9	11543.0
52.5°	12018.2	12045.7	12458.4	13086.2	13734.0	14196.7	13804.1	13056.2	12370.9	12118.3	12183.3
55°	11605.5	11660.5	12183.3	13066.2	13949.1	14571.9	14459.4	13729.0	13018.7	12758.6	12831.1
57.5°	10657.6	10735.1	11345.4	12498.4	13901.6	14829.5	14967.1	14374.3	13666.5	13416.4	13473.9
60°	9329.4	9422.0	10007.3	11265.3	13231.3	14924.6	15324.8	15002.1	14261.8	14019.2	14071.7
62.5°	7326.0	7446.0	8146.4	9622.1	11815.6	14481.9	15629.9	15569.9	14797.0	14494.4	14529.4
65°	4699.7	4827.3	5565.1	7308.5	9927.2	13126.2	15725.0	16122.7	15362.3	14939.6	14992.1
67.5°	2833.8	2891.4	3256.5	4429.6	7255.9	11082.8	14919.6	16735.4	16022.6	15497.4	15537.4
70°	1813.4	1845.9	2063.5	2601.2	4101.9	8086.3	12923.6	16850.5	16823.0	16070.1	16065.1
72.5°	1230.6	1240.6	1298.1	1540.7	2321.1	4594.7	9532.0	15254.7	17323.2	16808.0	16727.9
75°	900.4	955.5	1048.0	1090.5	1318.1	2296.1	5462.6	10717.6	14599.4	14824.5	14279.3
77.5°	670.3	672.8	800.4	850.4	940.4	1223.1	2311.1	5982.8	9064.3	9517.0	8489.0
80°	567.8	537.8	535.3	685.3	707.8	762.9	1033.0	2066.0	3246.5	1968.4	1488.2
82.5°	472.7	440.2	397.7	535.3	482.7	467.7	447.7	840.4	1033.0	507.7	432.7
85°	330.2	315.1	300.1	350.2	275.1	235.1	215.1	392.7	435.2	215.1	190.1
87.5°	142.6	147.6	150.1	155.1	115.1	82.5	82.5	110.1	110.1	85.0	62.5
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)