

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: P944497

Luminaire Tested: **GALN-SB9C-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

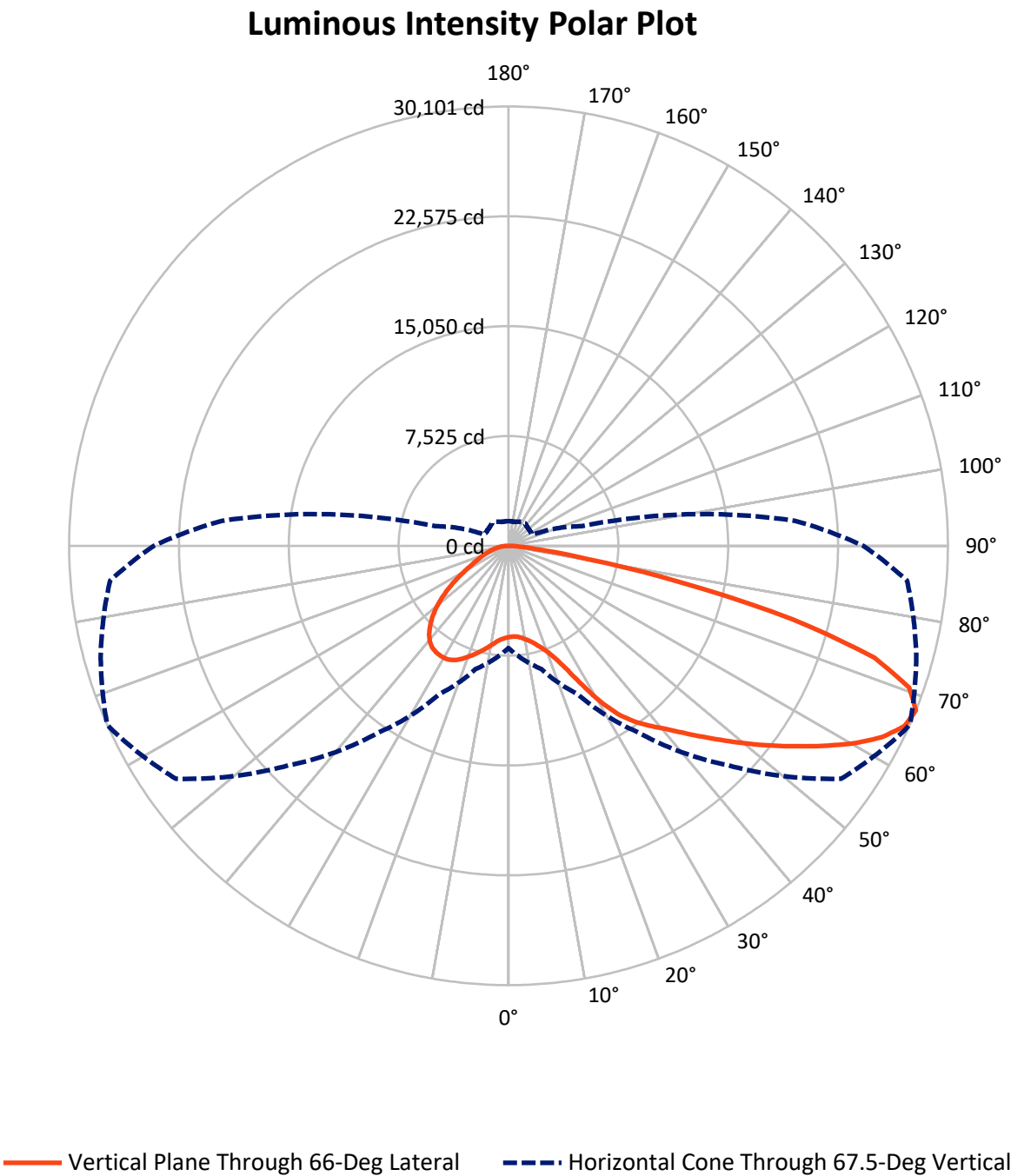
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56388 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 449.8
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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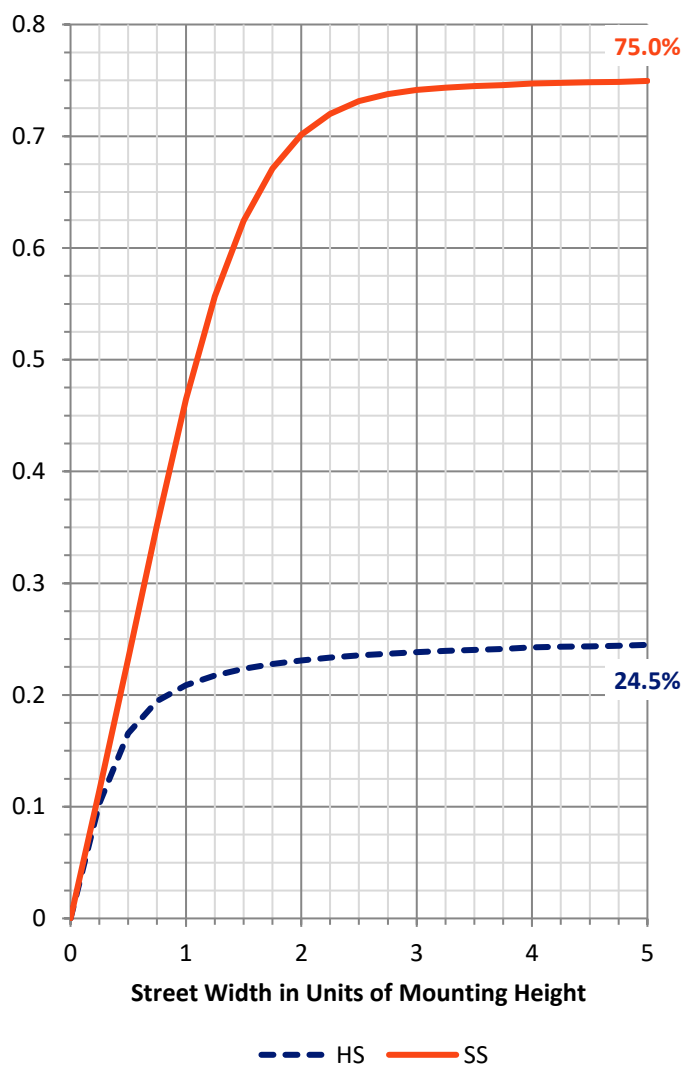
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14020.7	0.0	14020.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	42367.3	0.0	42367.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	56388.0	0.0	56388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.1	1.1
10°-20°	2048.6	3.6
20°-30°	3948.7	7.0
30°-40°	6923.5	12.3
40°-50°	10292.9	18.3
50°-60°	13047.3	23.1
60°-70°	12766.4	22.6
70°-80°	6089.7	10.8
80°-90°	650.8	1.2
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°	56388.0	100.0
0°-180°	56388.0	100.0

Coefficient of Utilization



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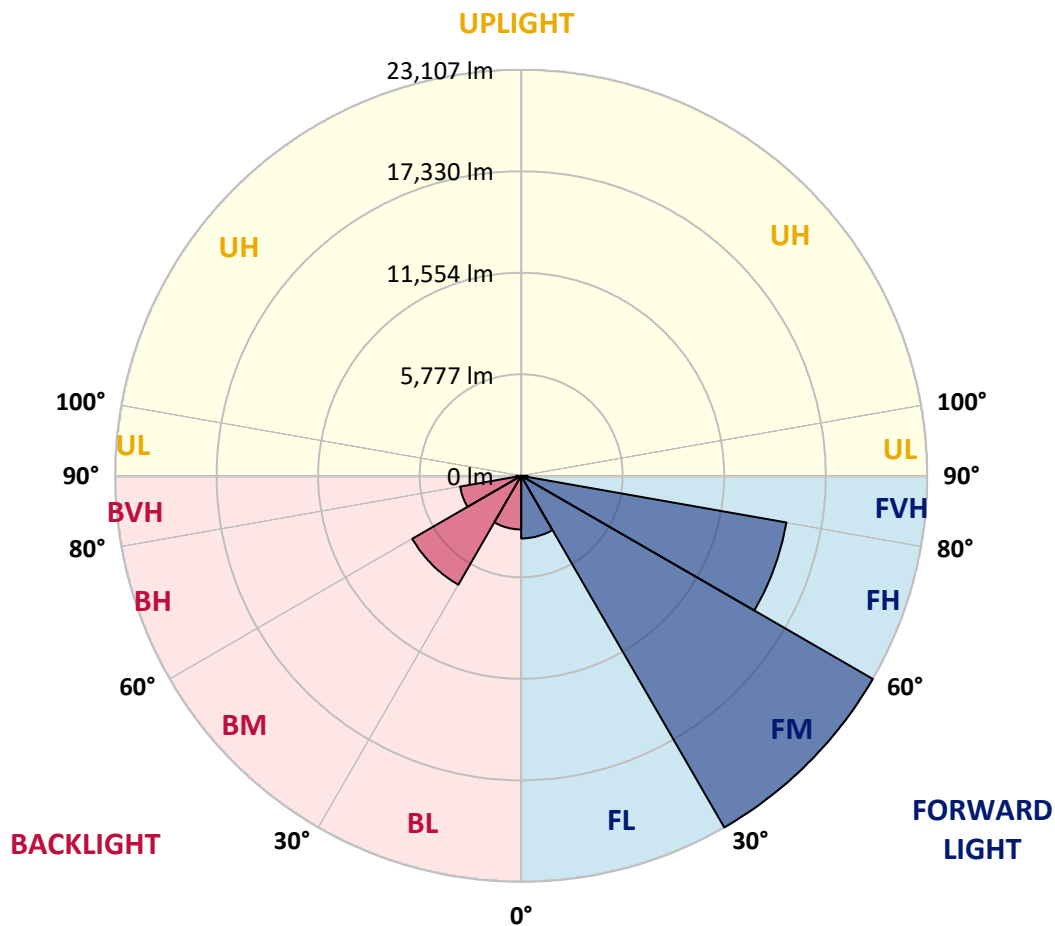
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3563.2	6.3			
FM	(30°-60°)	23107.3	41.0			
FH	(60°-80°)	15327.8	27.2			G5
FVH	(80°-90°)	369.0	0.7			G3/500
BL	(0°-30°)	3054.2	5.4	B4/5000		
BM	(30°-60°)	7156.3	12.7	B4/8500		
BH	(60°-80°)	3528.3	6.3	B4/5000		G4/5000
BVH	(80°-90°)	281.8	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2
2.5°	6189.0	6224.5	6215.7	6200.8	6197.9	6203.8	6212.7	6221.6	6218.6	6233.4	6257.1
5°	6171.2	6206.8	6203.8	6203.8	6215.7	6239.4	6254.2	6269.0	6254.2	6272.0	6304.5
7.5°	6183.1	6209.7	6221.6	6233.4	6263.1	6307.5	6343.1	6375.6	6357.9	6378.6	6420.1
10°	6334.2	6354.9	6366.8	6366.8	6387.5	6437.9	6473.4	6532.7	6517.9	6550.4	6603.8
12.5°	6609.7	6630.4	6630.4	6618.6	6633.4	6666.0	6677.8	6743.0	6716.3	6769.7	6823.0
15°	6947.4	6988.9	6956.3	6935.6	6941.5	6974.1	6971.1	7021.5	6994.8	7039.3	7086.7
17.5°	7320.7	7374.1	7320.7	7317.8	7305.9	7341.5	7344.4	7388.9	7341.5	7374.1	7406.6
20°	7762.2	7836.2	7791.8	7806.6	7779.9	7794.8	7809.6	7874.7	7800.7	7824.4	7815.5
22.5°	8384.3	8473.2	8425.8	8482.1	8464.3	8452.5	8449.5	8565.0	8449.5	8458.4	8372.5
25°	9290.9	9397.6	9314.6	9391.6	9391.6	9430.1	9474.6	9622.7	9430.1	9373.9	9151.7
27.5°	10630.0	10736.7	10573.7	10621.1	10606.3	10701.1	10653.7	11021.1	10813.7	10721.9	10274.5
30°	12241.7	12431.3	12123.2	12111.4	12096.5	12247.6	12315.8	12558.7	12348.4	12256.5	11717.3
32.5°	13983.8	14182.3	13814.9	13708.2	13651.9	13743.8	13687.5	13883.0	13737.9	13595.6	12929.0
35°	15826.5	16022.1	15672.5	15465.1	15239.9	15047.3	14845.9	14896.3	14760.0	14543.7	13853.4
37.5°	17568.6	17927.1	17556.7	17334.5	16919.7	16543.5	15980.6	15746.5	15619.1	15420.6	14724.4
40°	19343.2	19547.6	19266.2	19076.6	18626.2	18036.7	17136.0	16641.3	16469.4	16276.9	15687.3
42.5°	20649.7	20845.3	20694.2	20563.8	20211.3	19526.9	18362.6	17743.4	17494.5	17278.2	16777.5
45°	21686.7	21831.8	21737.0	21784.4	21633.3	20969.7	19633.5	18925.5	18667.7	18404.0	18010.0
47.5°	22104.4	22258.5	22409.6	22691.0	22948.8	22459.9	20999.3	20205.3	19932.8	19663.2	19275.1
50°	22057.0	22214.0	22652.5	23251.0	24050.9	23887.9	22439.2	21568.2	21316.3	21008.2	20649.7
52.5°	21677.8	21855.5	22418.4	23413.9	24687.8	24957.4	23905.7	22975.4	22738.4	22371.0	22012.6
55°	20682.3	20789.0	21633.3	23043.6	24838.9	25704.0	25342.6	24474.5	24237.5	23725.0	23333.9
57.5°	18836.6	18990.6	20220.2	22045.2	24459.7	26210.6	26604.7	26050.7	25822.5	25084.8	24676.0
60°	16427.9	16673.8	18081.1	20368.3	23493.9	26207.7	27751.2	27600.1	27410.5	26424.0	25997.3
62.5°	13702.3	13986.7	15340.7	17998.2	21805.2	25464.1	28468.2	28897.8	28800.0	27659.4	27114.3
65°	10523.4	10718.9	12066.9	14931.8	19177.3	23867.2	28551.2	29783.6	29801.4	28598.6	27697.9
67.5°	7006.7	7569.6	8739.8	11204.8	15657.7	21257.1	27822.3	29928.8	30100.6	28921.5	27404.6
70°	3418.9	4159.6	5306.1	7282.2	11204.8	17254.5	25917.3	28737.8	29120.0	27979.4	25656.6
72.5°	1419.1	1659.1	2284.2	3593.7	6431.9	11643.3	22089.6	25508.5	26216.6	24791.5	21571.1
75°	956.9	1036.9	1306.5	1842.8	2930.1	5741.6	15930.2	19020.3	20160.9	18724.0	15305.1
77.5°	737.7	788.1	951.0	1288.8	1742.0	2171.6	8526.5	11462.5	12052.1	11157.4	7963.6
80°	580.7	619.2	711.0	939.2	1235.4	1161.4	2906.4	5193.5	5534.2	4642.5	2559.7
82.5°	503.7	518.5	509.6	637.0	820.7	678.4	954.0	1916.8	2115.3	1534.7	835.5
85°	364.4	405.9	423.7	394.0	435.5	343.7	391.1	678.4	746.6	666.6	471.1
87.5°	148.1	219.2	269.6	254.8	160.0	97.8	121.5	198.5	228.1	248.9	154.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2	6254.2
2.5°	6260.1	6280.8	6295.7	6313.4	6325.3	6343.1	6378.6	6399.3	6402.3	6417.1	6414.2
5°	6316.4	6346.0	6378.6	6426.0	6479.3	6523.8	6591.9	6639.3	6657.1	6671.9	6668.9
7.5°	6437.9	6479.3	6538.6	6621.5	6698.6	6757.8	6840.8	6897.1	6953.4	6974.1	6977.1
10°	6618.6	6677.8	6763.8	6876.3	6959.3	7036.3	7122.2	7169.6	7225.9	7249.6	7261.5
12.5°	6843.7	6906.0	7018.5	7175.6	7252.6	7305.9	7335.5	7323.7	7335.5	7356.3	7362.2
15°	7101.5	7169.6	7297.0	7465.9	7519.2	7471.8	7406.6	7347.4	7338.5	7344.4	7365.2
17.5°	7406.6	7457.0	7605.1	7747.4	7708.8	7513.3	7371.1	7276.3	7228.9	7214.1	7234.8
20°	7833.3	7833.3	7954.7	8043.6	7785.9	7454.1	7231.9	7077.8	6980.0	6938.5	6929.7
22.5°	8351.7	8304.3	8381.4	8319.1	7771.1	7288.1	6980.0	6713.4	6565.3	6506.0	6497.1
25°	9009.4	8953.2	8932.4	8547.3	7664.4	7024.5	6523.8	6200.8	6070.5	6037.9	6043.8
27.5°	10001.9	9859.7	9590.1	8671.7	7468.9	6609.7	5990.5	5691.3	5617.2	5620.2	5629.1
30°	11323.3	11038.9	10378.2	8692.4	7148.9	6023.1	5445.4	5232.1	5196.5	5211.3	5261.7
32.5°	12546.9	12277.3	11184.0	8597.6	6657.1	5448.3	4956.5	4814.3	4761.0	4778.8	4802.5
35°	13506.8	13432.7	11930.6	8464.3	6052.7	4909.1	4518.1	4396.6	4292.9	4269.2	4287.0
37.5°	14413.3	14383.7	12490.6	8277.7	5454.3	4526.9	4165.5	4005.5	3854.4	3771.5	3774.4
40°	15408.8	15379.2	12857.9	7990.3	4923.9	4195.1	3848.5	3638.1	3451.5	3300.4	3315.2
42.5°	16528.7	16353.9	13032.7	7578.5	4473.6	3913.7	3590.7	3306.3	3060.4	2921.2	2930.1
45°	17752.3	17358.2	13029.8	7054.1	4094.4	3655.9	3315.2	2912.3	2684.2	2553.8	2547.9
47.5°	19049.9	18318.1	12869.8	6473.4	3727.0	3371.5	2888.6	2580.5	2429.4	2349.4	2331.6
50°	20389.0	19215.8	12597.2	5806.8	3350.8	3048.6	2622.0	2411.6	2296.1	2222.0	2195.3
52.5°	21648.2	20030.5	12268.4	5051.3	2968.6	2734.5	2503.4	2340.5	2219.0	2136.1	2100.5
55°	22818.4	20732.7	11803.2	4278.1	2657.5	2524.2	2447.2	2310.9	2171.6	2073.9	2035.3
57.5°	23858.3	21188.9	11000.4	3552.2	2435.3	2379.0	2387.9	2260.5	2100.5	2017.6	1964.2
60°	24723.4	21523.7	9812.3	2879.7	2254.6	2236.8	2296.1	2165.7	1979.1	1884.3	1842.8
62.5°	25241.9	21517.8	8354.7	2358.3	2100.5	2106.5	2174.6	2047.2	1857.6	1768.7	1742.0
65°	25197.4	20990.4	6754.9	2017.6	1952.4	1958.3	2047.2	1916.8	1756.9	1703.5	1700.6
67.5°	24305.7	19704.6	5181.7	1795.4	1789.4	1816.1	1919.8	1828.0	1694.6	1688.7	1697.6
70°	21891.1	17035.3	3733.0	1617.6	1620.6	1659.1	1795.4	1771.7	1662.1	1673.9	1670.9
72.5°	17553.8	12988.3	2506.4	1431.0	1433.9	1496.1	1676.9	1727.2	1629.5	1786.5	1810.2
75°	11690.7	8099.9	1611.7	1232.5	1235.4	1315.4	1573.2	1641.3	1540.6	1780.6	1795.4
77.5°	5617.2	3641.1	1167.3	1036.9	1036.9	1111.0	1359.9	1469.5	1312.5	1383.6	1268.0
80°	1940.5	1368.7	918.4	835.5	817.7	868.1	1146.5	1273.9	1131.7	1042.9	977.7
82.5°	764.4	711.0	737.7	648.8	589.6	622.2	891.8	1051.7	832.5	752.5	749.6
85°	438.5	462.2	521.4	429.6	340.7	382.2	654.7	755.5	628.1	554.0	565.9
87.5°	118.5	162.9	240.0	222.2	154.1	162.9	311.1	417.7	361.4	278.5	287.4
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)