

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: P531606

Luminaire Tested: **GALN-SA6D-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

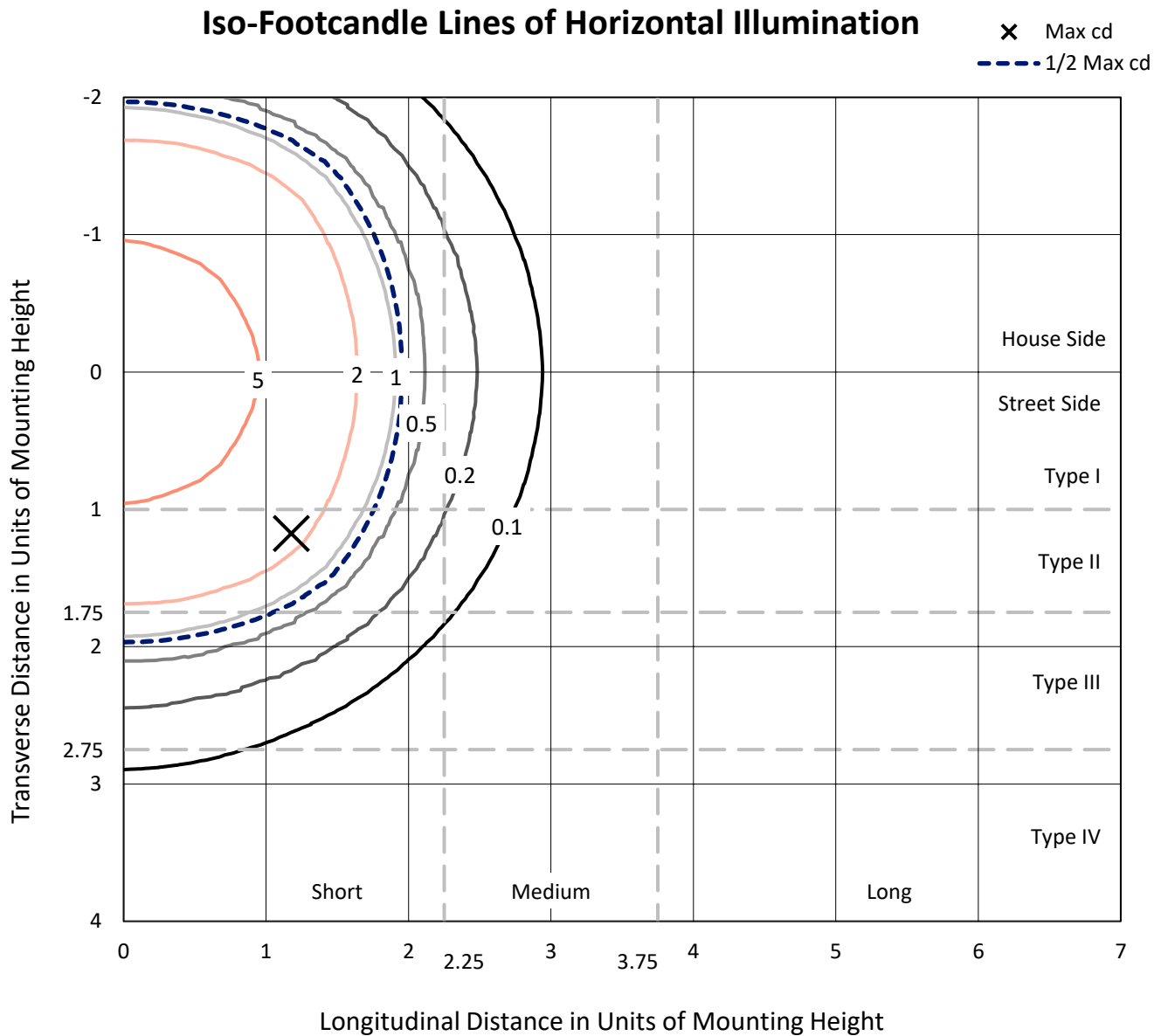
Lumens per Lamp: N/A
Luminaire Lumens: 30926 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 368
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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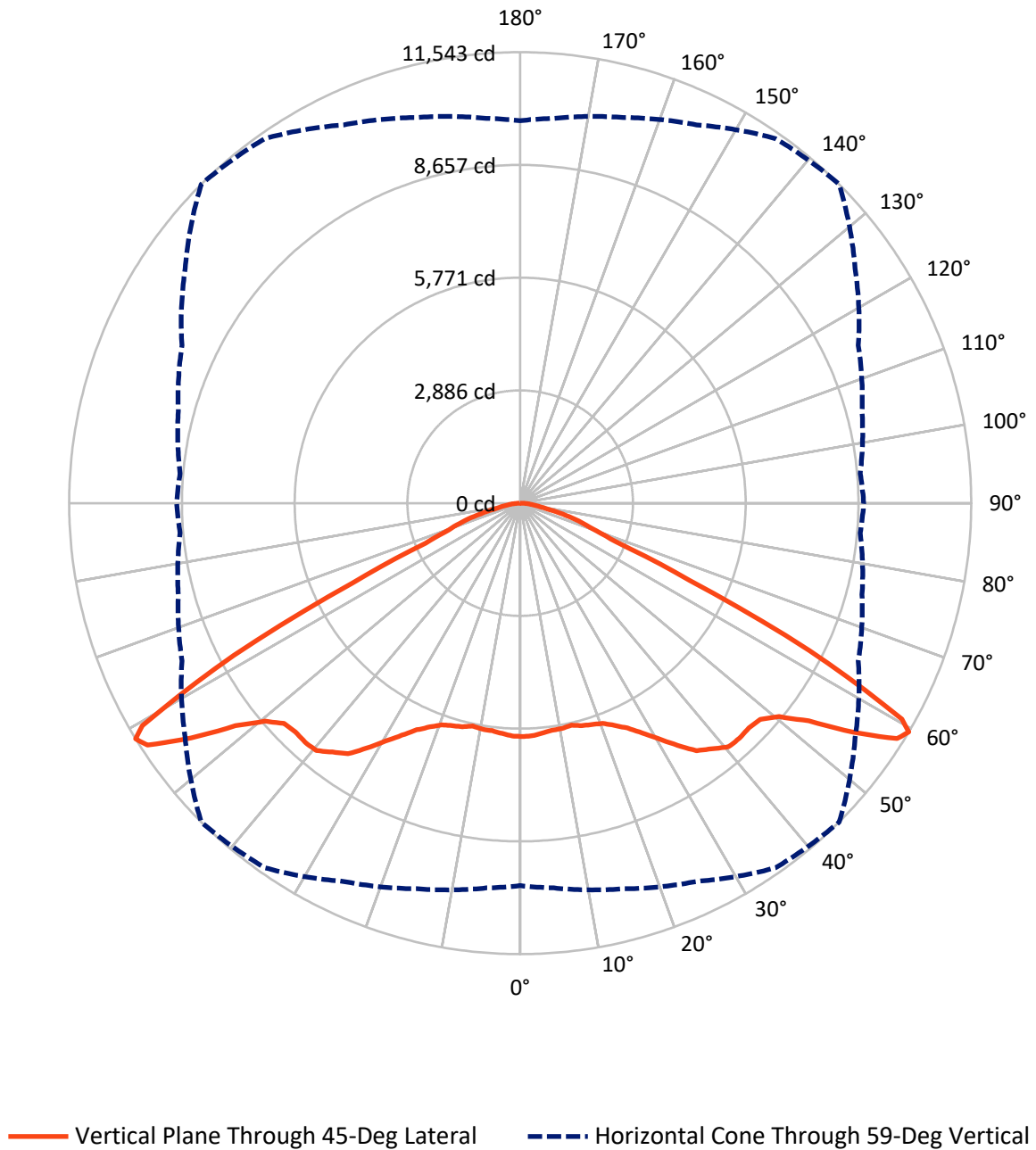


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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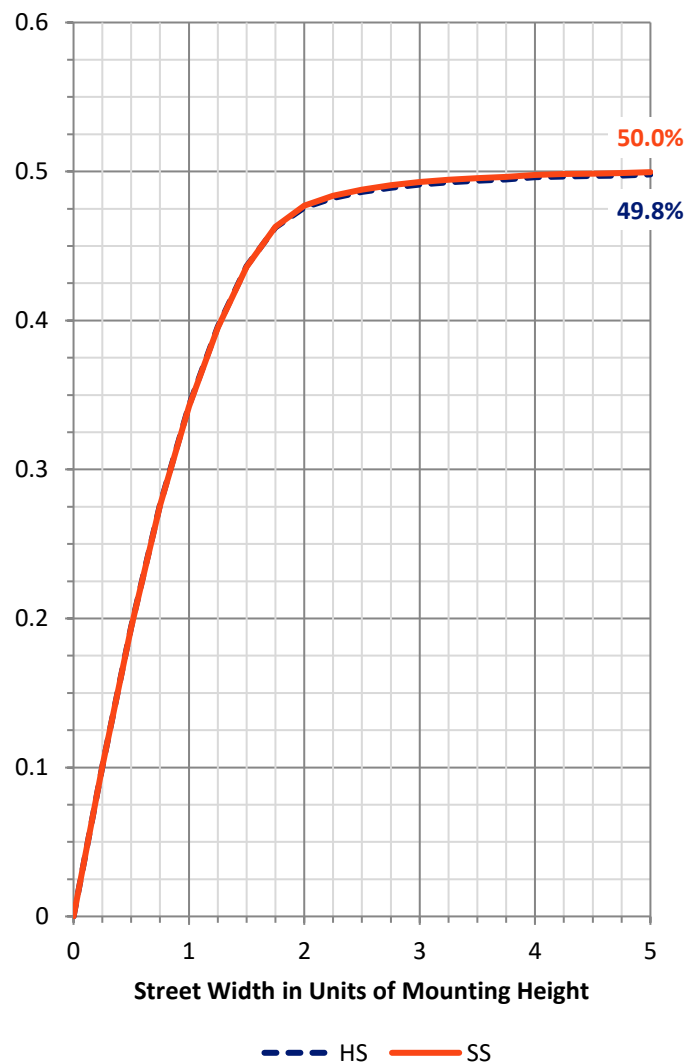
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15463.0	0.0	15463.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15463.0	0.0	15463.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30926.0	0.0	30926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.1	1.8
10°-20°	1674.6	5.4
20°-30°	2924.0	9.5
30°-40°	4670.0	15.1
40°-50°	6361.5	20.6
50°-60°	8602.5	27.8
60°-70°	4717.6	15.3
70°-80°	1206.9	3.9
80°-90°	205.8	0.7
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°	30926.0	100.0
0°-180°	30926.0	100.0

Coefficient of Utilization



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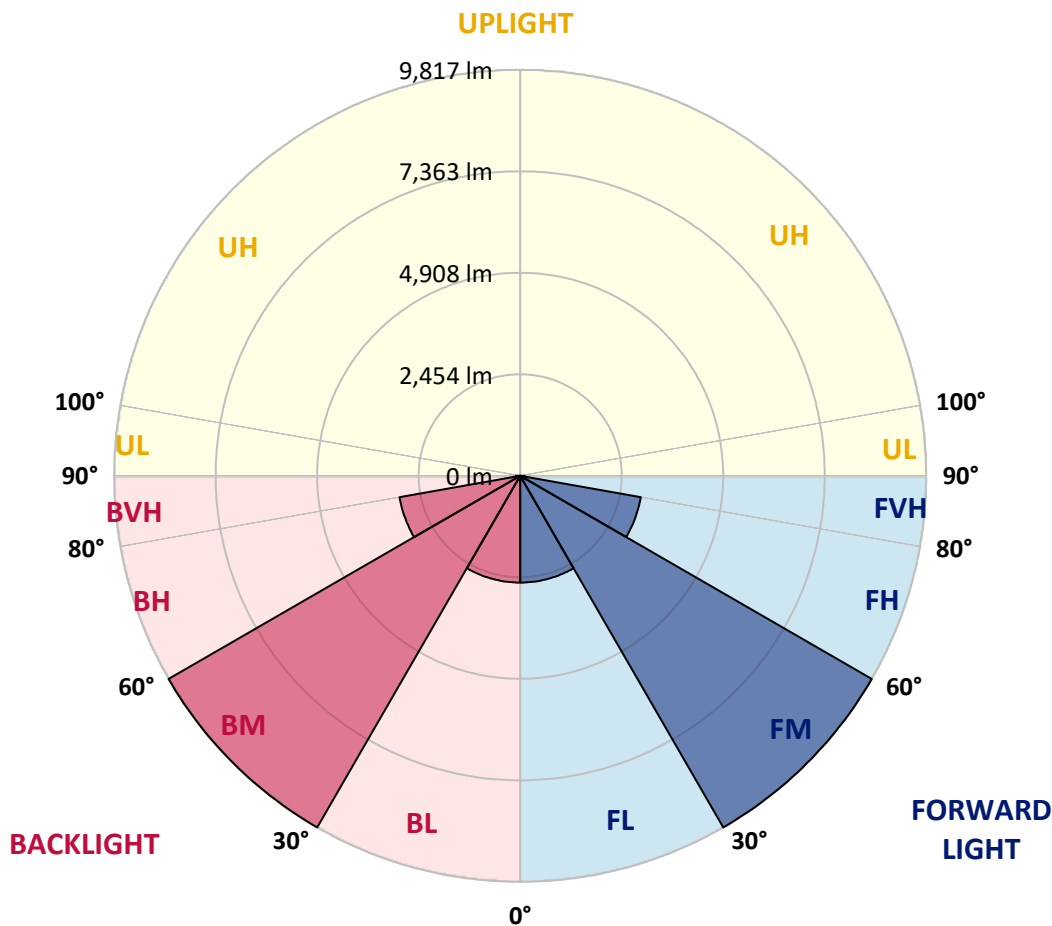
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2580.8	8.3			
FM	(30°-60°)	9817.0	31.7			
FH	(60°-80°)	2962.3	9.6			G2/5000
FVH	(80°-90°)	102.9	0.3			G2/225
BL	(0°-30°)	2580.8	8.3	B4/5000		
BM	(30°-60°)	9817.0	31.7	B5		
BH	(60°-80°)	2962.3	9.6	B4/5000		G2/5000
BVH	(80°-90°)	102.9	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4	5973.4
2.5°	5937.8	5981.4	5949.6	5977.4	5973.4	5961.5	5941.7	5929.8	5914.0	5937.8	5898.1
5°	5914.0	5949.6	5985.3	5937.8	5937.8	5914.0	5902.1	5878.3	5878.3	5874.3	5870.4
7.5°	5953.6	5917.9	5902.1	5910.0	5917.9	5866.4	5902.1	5854.5	5814.9	5842.6	5874.3
10°	5917.9	5933.8	5874.3	5902.1	5858.5	5866.4	5842.6	5874.3	5830.7	5830.7	5830.7
12.5°	5953.6	5910.0	5929.8	5910.0	5898.1	5830.7	5862.4	5826.8	5822.8	5862.4	5826.8
15°	6025.0	5953.6	5937.8	5898.1	5910.0	5910.0	5878.3	5882.3	5838.7	5862.4	5870.4
17.5°	6001.2	5961.5	5949.6	5902.1	5941.7	5953.6	5894.1	5854.5	5882.3	5878.3	5874.3
20°	6021.0	6036.8	6025.0	6032.9	6048.7	6017.0	5961.5	5906.0	5870.4	5921.9	5917.9
22.5°	6147.8	6132.0	6124.0	6116.1	6143.9	6175.6	6100.3	6013.1	6013.1	6048.7	6064.6
25°	6250.9	6246.9	6243.0	6278.6	6373.8	6373.8	6278.6	6167.6	6139.9	6163.7	6143.9
27.5°	6401.5	6445.1	6429.3	6492.7	6631.4	6663.1	6536.3	6405.5	6330.2	6302.4	6338.1
30°	6746.4	6694.8	6706.7	6774.1	6897.0	7000.0	6805.8	6667.1	6564.0	6560.1	6575.9
32.5°	6976.3	7015.9	7051.6	7115.0	7309.2	7388.5	7154.6	6928.7	6865.3	6829.6	6841.5
35°	7436.1	7400.4	7392.5	7455.9	7650.1	7780.9	7487.6	7289.4	7206.2	7285.4	7285.4
37.5°	7872.1	7773.0	7697.7	7780.9	7959.3	7975.1	7725.4	7618.4	7574.8	7666.0	7662.0
40°	8078.2	8070.3	7895.9	7943.4	8181.3	8205.0	7971.2	7844.3	7836.4	7955.3	8074.2
42.5°	8292.2	8216.9	8042.5	8074.2	8220.9	8228.8	8006.8	7971.2	8058.4	8173.3	8181.3
45°	8327.9	8264.5	8153.5	8074.2	8181.3	8205.0	8074.2	8098.0	8105.9	8244.7	8244.7
47.5°	8399.3	8391.3	8327.9	8268.5	8288.3	8268.5	8185.2	8220.9	8339.8	8407.2	8375.5
50°	8597.5	8514.2	8577.6	8526.1	8530.1	8585.6	8510.2	8545.9	8522.1	8462.7	8423.0
52.5°	9033.5	8993.8	9049.3	9085.0	9124.6	9251.5	9164.3	8974.0	8795.6	8637.1	8633.1
55°	9671.6	9699.4	9806.4	9988.7	10143.3	10345.5	9925.3	9469.5	9184.1	8934.4	8950.2
57.5°	10274.1	10254.3	10401.0	10817.2	11269.0	11372.1	10547.6	9897.6	9433.8	9275.3	9207.9
59°	9790.5	9885.7	10218.6	10682.4	11391.9	11542.5	10464.4	9548.8	9057.2	8736.2	8791.7
60°	9029.5	9065.2	9362.5	10008.6	10967.8	11225.4	9905.5	9009.7	8355.7	8169.4	8252.6
62.5°	6381.7	6353.9	6568.0	7095.2	7955.3	8304.1	7364.7	6734.5	6322.2	6116.1	6163.7
65°	3393.0	3519.8	3607.0	3936.0	4391.9	4760.5	4372.1	4098.6	3868.7	3698.2	3694.2
67.5°	2291.1	2275.2	2295.0	2370.3	2524.9	2628.0	2620.1	2481.3	2461.5	2429.8	2465.5
70°	1930.4	1922.4	1886.8	1886.8	1918.5	1942.3	1970.0	1985.9	2017.6	2057.2	2053.2
72.5°	1565.7	1545.9	1522.1	1510.2	1549.8	1561.7	1597.4	1613.3	1641.0	1637.0	1672.7
75°	1034.5	1034.5	1062.3	1094.0	1105.9	1129.7	1133.6	1181.2	1181.2	1189.1	1157.4
77.5°	578.7	562.9	582.7	614.4	642.1	685.7	729.3	765.0	784.8	776.9	776.9
80°	336.9	336.9	356.7	392.4	428.1	467.7	499.4	527.2	547.0	539.1	523.2
82.5°	210.1	210.1	229.9	265.6	293.3	317.1	360.7	396.4	420.2	412.2	392.4
85°	107.0	107.0	130.8	154.6	190.3	206.1	202.2	186.3	182.3	162.5	162.5
87.5°	27.7	27.7	39.6	43.6	35.7	39.6	39.6	39.6	39.6	39.6	43.6
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)