

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: P650939

Luminaire Tested: **GALN-SA6C-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-840-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30947.1 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

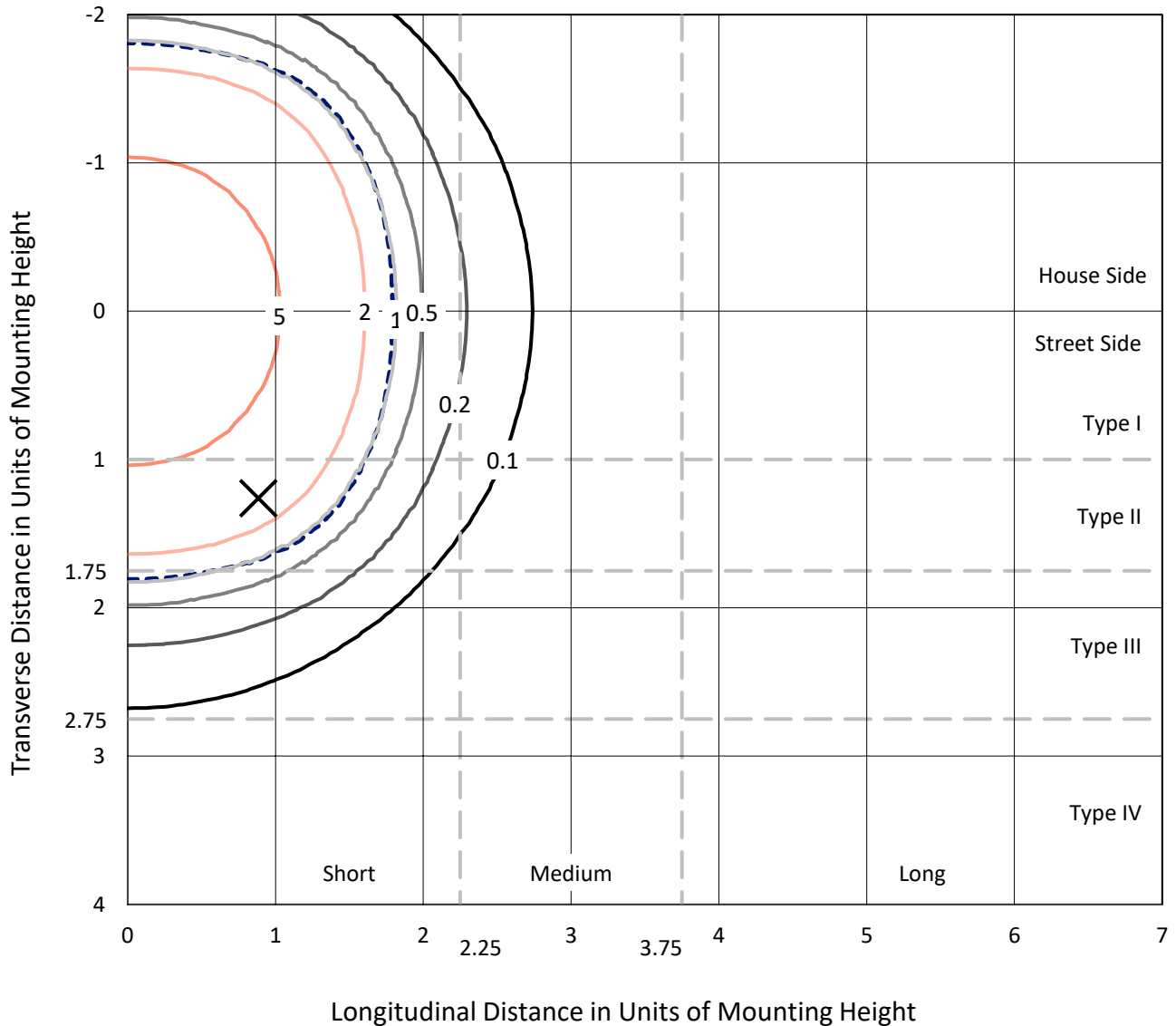
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P650939  
 CATALOG NUMBER: GALN-SA6C-840-U-5MQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

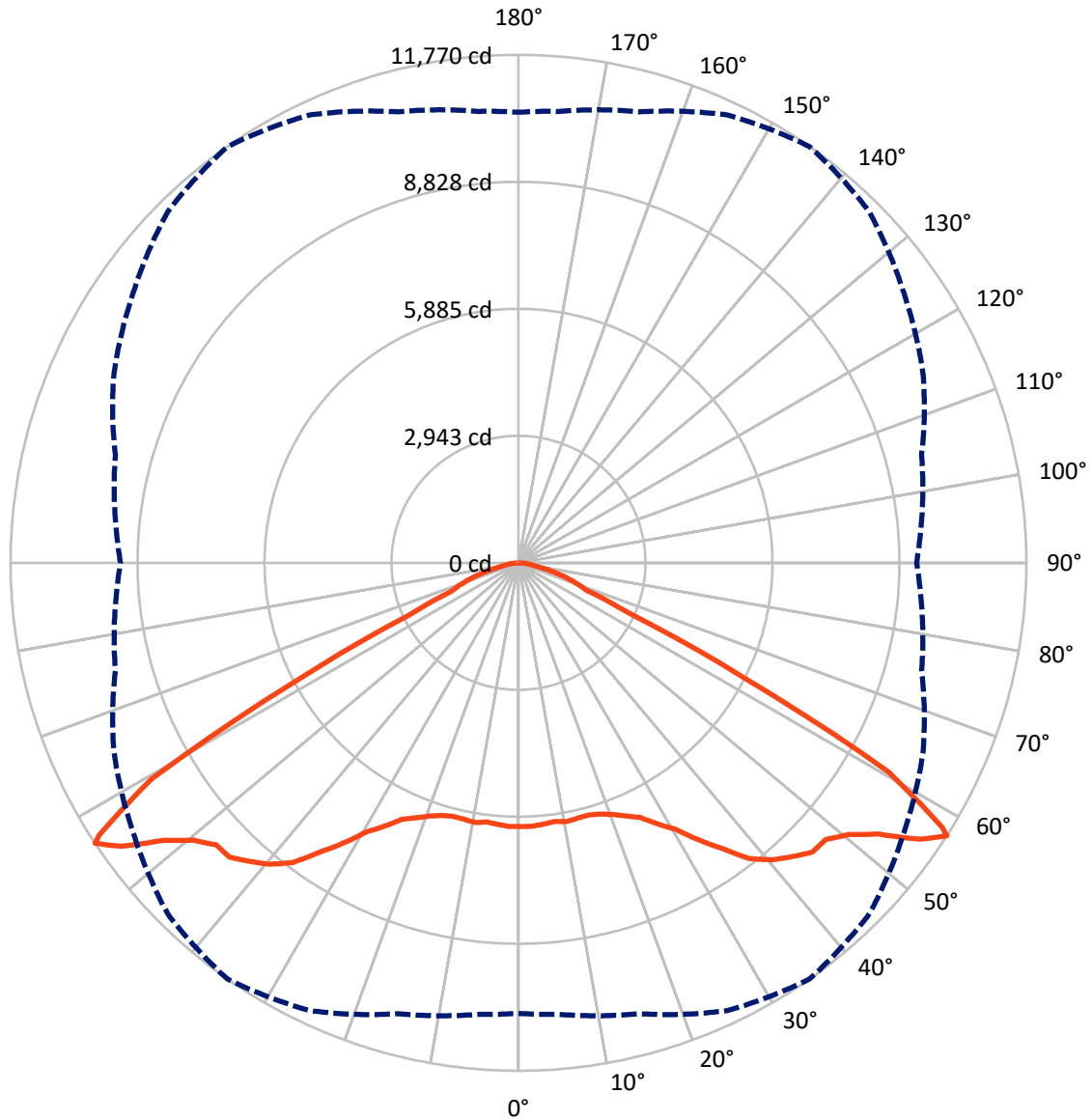
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P650939  
CATALOG NUMBER: GALN-SA6C-840-U-5MQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P650939  
 CATALOG NUMBER: GALN-SA6C-840-U-5MQ-GRSWH

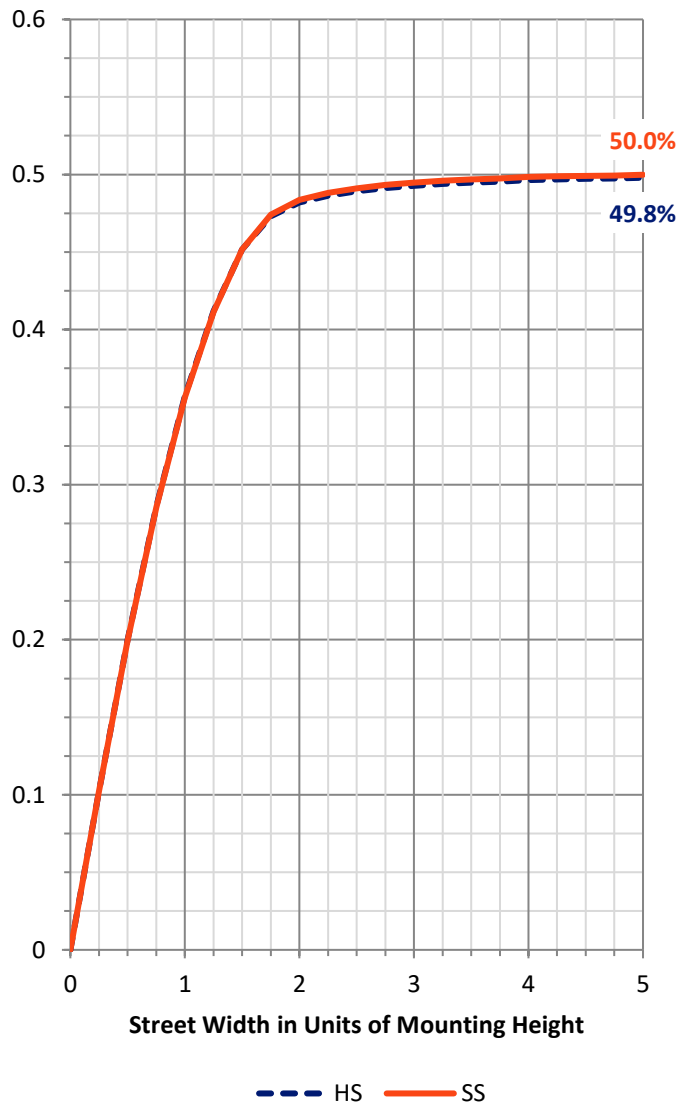
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15473.6	0.0	15473.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15473.6	0.0	15473.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30947.1	0.0	30947.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.4	1.9
10°-20°	1716.1	5.5
20°-30°	2997.1	9.7
30°-40°	4910.9	15.9
40°-50°	7200.5	23.3
50°-60°	9069.6	29.3
60°-70°	3411.0	11.0
70°-80°	907.0	2.9
80°-90°	155.5	0.5
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°	30947.1	100.0
0°-180°	30947.1	100.0

**Coefficient of Utilization**

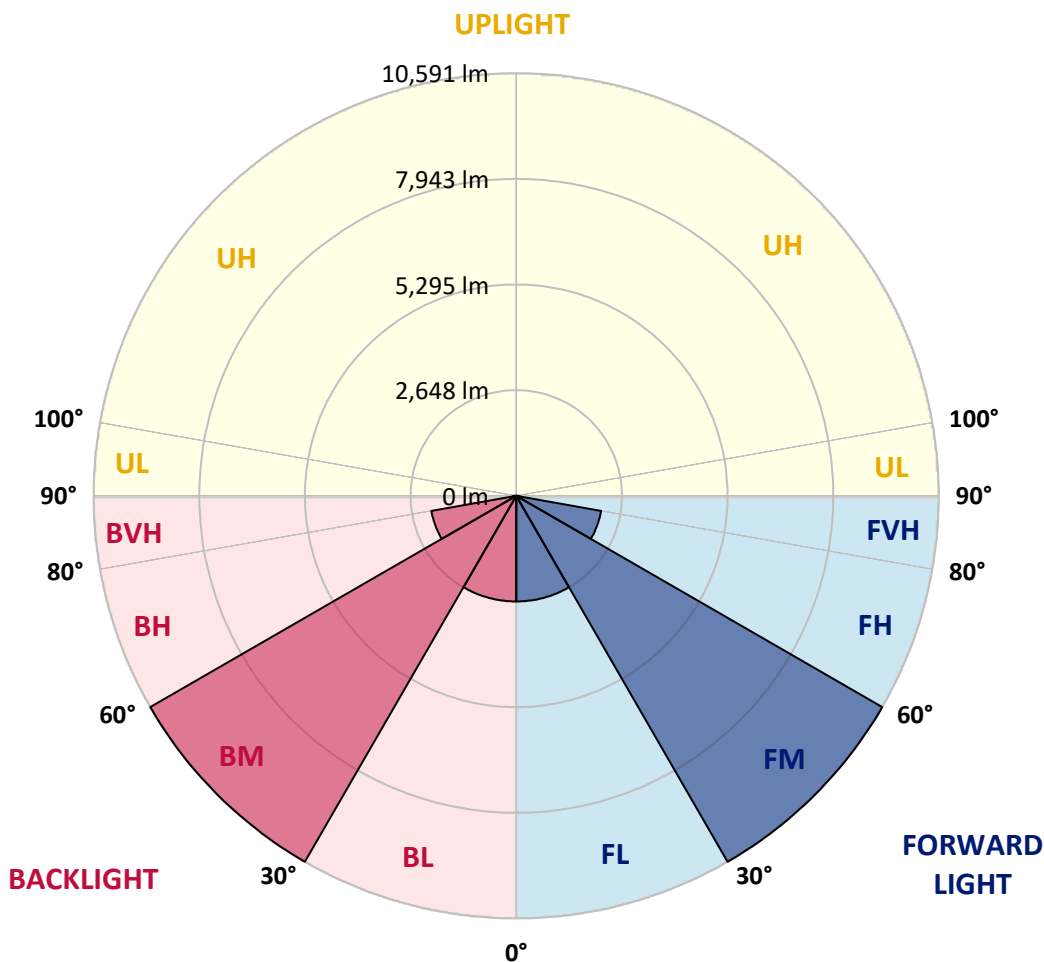


REPORT NUMBER: P650939  
 CATALOG NUMBER: GALN-SA6C-840-U-5MQ-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.3	8.6			
FM (30°-60°)	10590.5	34.2			
FH (60°-80°)	2159.0	7.0			G2/5000
FVH (80°-90°)	77.8	0.3			G1/100
BL (0°-30°)	2646.3	8.6	B4/5000		
BM (30°-60°)	10590.5	34.2	B5		
BH (60°-80°)	2159.0	7.0	B3/2500		G2/5000
BVH (80°-90°)	77.8	0.3			G1/100
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





REPORT NUMBER: P650939

CATALOG NUMBER: GALN-SA6C-840-U-5MQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8	6111.8
2.5°	6081.4	6142.3	6115.7	6100.4	6111.8	6092.8	6062.3	6096.6	6088.9	6058.5	6047.0
5°	6066.0	6111.8	6081.4	6111.8	6081.4	6134.7	6119.5	6062.3	6130.9	6066.0	6088.9
7.5°	6054.6	6069.9	6077.5	6062.3	6050.8	6115.7	6081.4	6054.6	6016.5	6005.1	6024.2
10°	6028.0	6066.0	6008.9	6085.1	6100.4	6054.6	6054.6	6005.1	5974.5	5955.5	6020.3
12.5°	6096.6	6031.7	6024.2	6062.3	6073.7	6092.8	6039.4	6012.7	5955.5	5963.1	5951.7
15°	6016.5	6043.2	6047.0	6054.6	6066.0	6111.8	6062.3	6005.1	5982.2	5902.1	5909.8
17.5°	6047.0	6020.3	6047.0	6134.7	6119.5	6153.8	6100.4	6012.7	5959.3	5913.6	5974.5
20°	6100.4	6088.9	6100.4	6207.2	6226.2	6256.7	6211.0	6130.9	6028.0	5974.5	6005.1
22.5°	6157.5	6150.0	6157.5	6260.5	6371.1	6409.3	6363.5	6176.6	6123.2	6024.2	5989.9
25°	6260.5	6268.1	6348.2	6462.6	6535.1	6607.5	6523.6	6390.2	6218.6	6157.5	6085.1
27.5°	6489.3	6508.3	6554.1	6721.9	6847.7	6912.5	6794.3	6611.3	6504.5	6378.7	6359.6
30°	6771.4	6771.4	6851.5	6996.4	7167.9	7267.1	7122.2	6904.9	6775.3	6706.6	6664.7
32.5°	7145.1	7103.2	7133.6	7389.1	7656.0	7739.9	7545.5	7278.5	7072.6	6981.1	6950.6
35°	7465.4	7492.0	7560.7	7835.2	8132.6	8327.0	8022.0	7675.1	7465.4	7381.5	7366.2
37.5°	7880.9	7926.7	7961.0	8338.4	8696.9	8769.3	8475.8	8197.4	7942.0	7873.3	7835.2
40°	8468.1	8437.6	8449.0	8727.4	9051.4	9097.2	8807.5	8609.1	8399.5	8357.5	8357.5
42.5°	8952.4	8918.0	8956.1	9059.1	9306.9	9272.6	9112.5	8967.6	8879.9	8834.1	8879.9
45°	9245.9	9238.3	9306.9	9383.1	9558.6	9444.2	9318.4	9341.2	9257.3	9181.1	9177.2
47.5°	9566.2	9516.6	9600.5	9714.9	9581.4	9528.0	9520.5	9570.0	9543.3	9409.9	9367.9
50°	9722.5	9703.5	9836.8	9970.3	9897.9	9775.9	9802.5	9882.6	9539.5	9360.2	9257.3
52.5°	10141.9	10145.7	10401.2	10473.6	10443.1	10263.9	10321.1	10103.8	9699.6	9448.0	9459.4
55°	10801.5	10774.8	11060.7	11274.3	11308.6	11079.8	10805.3	10500.3	9993.2	9737.8	9661.5
57°	10439.3	10500.3	10816.8	11449.7	11770.0	11499.2	10900.6	10344.0	9669.1	9360.2	9223.0
57.5°	9955.1	10054.2	10603.2	11240.0	11575.5	11552.6	10782.5	10054.2	9451.8	8971.4	8982.8
60°	7293.7	7312.8	7808.5	8818.9	9867.4	9890.2	8952.4	7987.7	7316.6	6794.3	6866.8
62.5°	3847.1	3934.8	4133.0	4945.2	5852.6	6073.7	5505.6	5009.9	4430.4	4033.9	4072.0
65°	2036.0	2024.5	2119.9	2348.7	2794.7	2909.1	2832.9	2440.2	2238.1	2173.2	2177.1
67.5°	1654.8	1673.8	1662.3	1673.8	1704.3	1753.8	1742.4	1757.7	1769.1	1788.2	1784.3
70°	1403.1	1403.1	1410.7	1414.6	1414.6	1437.4	1464.1	1513.6	1517.5	1536.5	1544.2
72.5°	1105.7	1098.1	1109.5	1136.2	1140.0	1159.1	1197.2	1227.7	1239.1	1239.1	1216.3
75°	751.1	758.8	774.0	796.8	819.7	854.0	884.6	903.7	911.2	899.8	888.3
77.5°	423.2	430.8	442.3	476.6	503.3	533.8	568.1	587.2	606.2	610.1	587.2
80°	251.6	251.6	270.7	297.4	327.9	358.4	388.9	411.8	419.4	419.4	408.0
82.5°	152.5	156.3	171.6	198.2	225.0	244.0	270.7	289.8	305.0	301.2	293.6
85°	80.1	80.1	95.3	118.2	137.3	156.3	156.3	144.9	137.3	118.2	110.6
87.5°	26.7	22.9	30.5	30.5	26.7	30.5	30.5	34.3	34.3	34.3	34.3
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)