

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: P529136

Luminaire Tested: **GALN-SA4B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529136  
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-SA4B-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 800mA 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: 17789 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

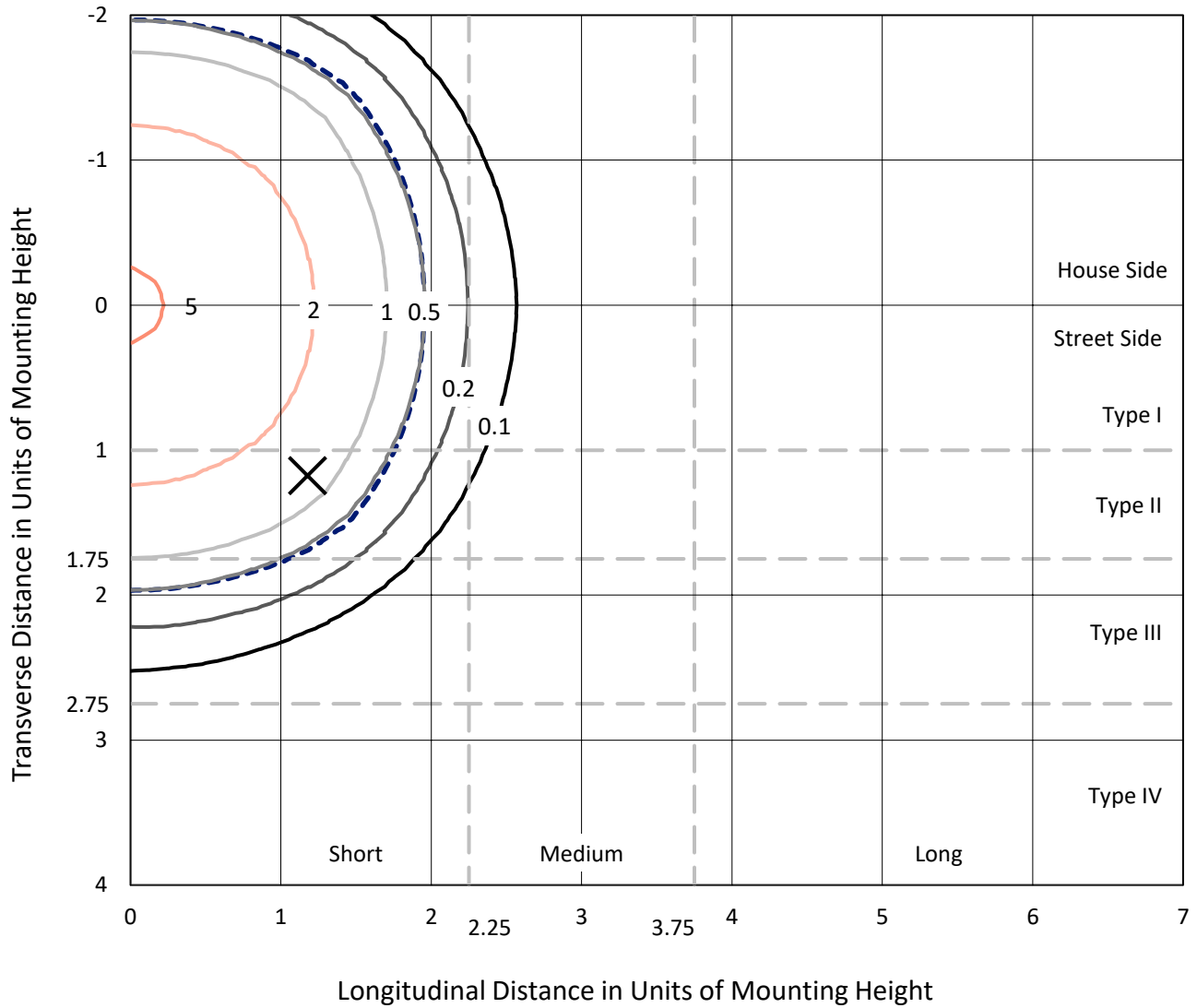
Input Watts (W): 164  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

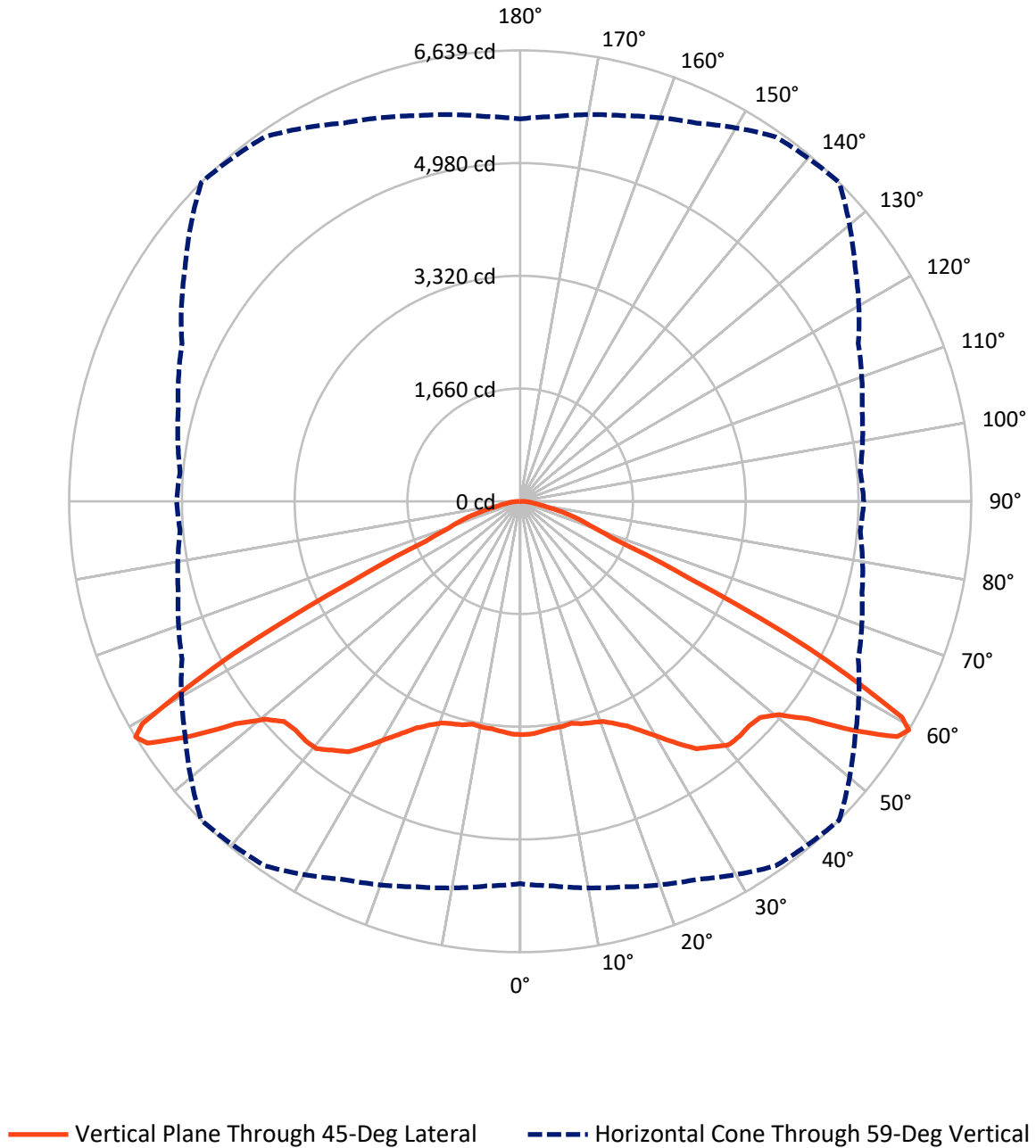
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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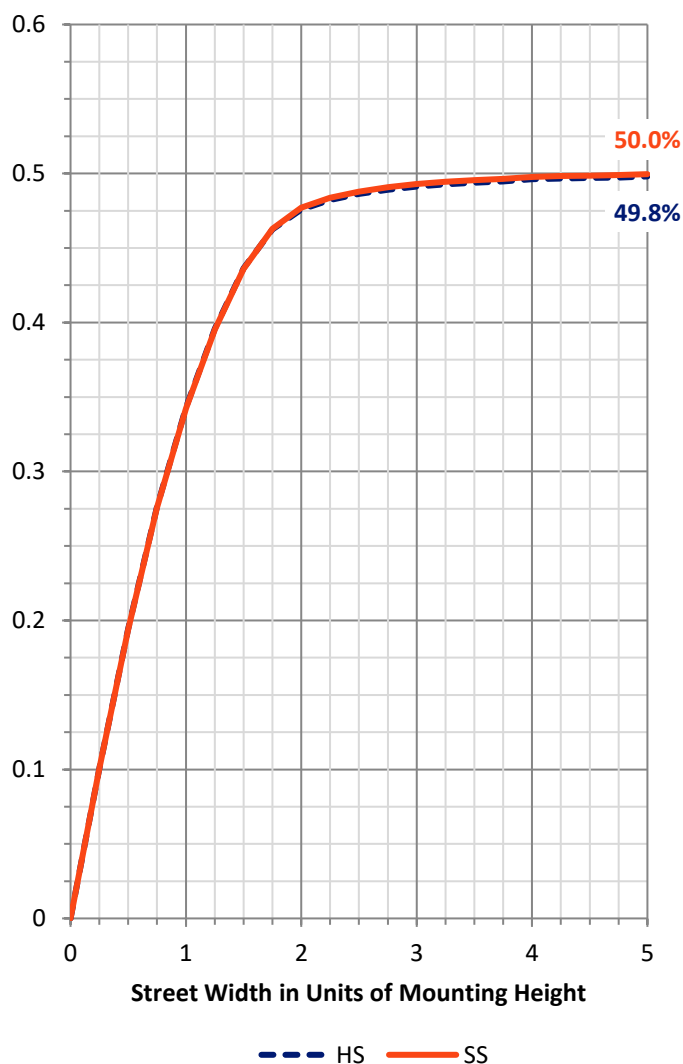
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8894.5	0.0	8894.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8894.5	0.0	8894.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17789.0	0.0	17789.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.9	1.8
10°-20°	963.2	5.4
20°-30°	1681.9	9.5
30°-40°	2686.3	15.1
40°-50°	3659.2	20.6
50°-60°	4948.2	27.8
60°-70°	2713.6	15.3
70°-80°	694.2	3.9
80°-90°	118.4	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°	17789.0	100.0
0°-180°	17789.0	100.0

**Coefficient of Utilization**



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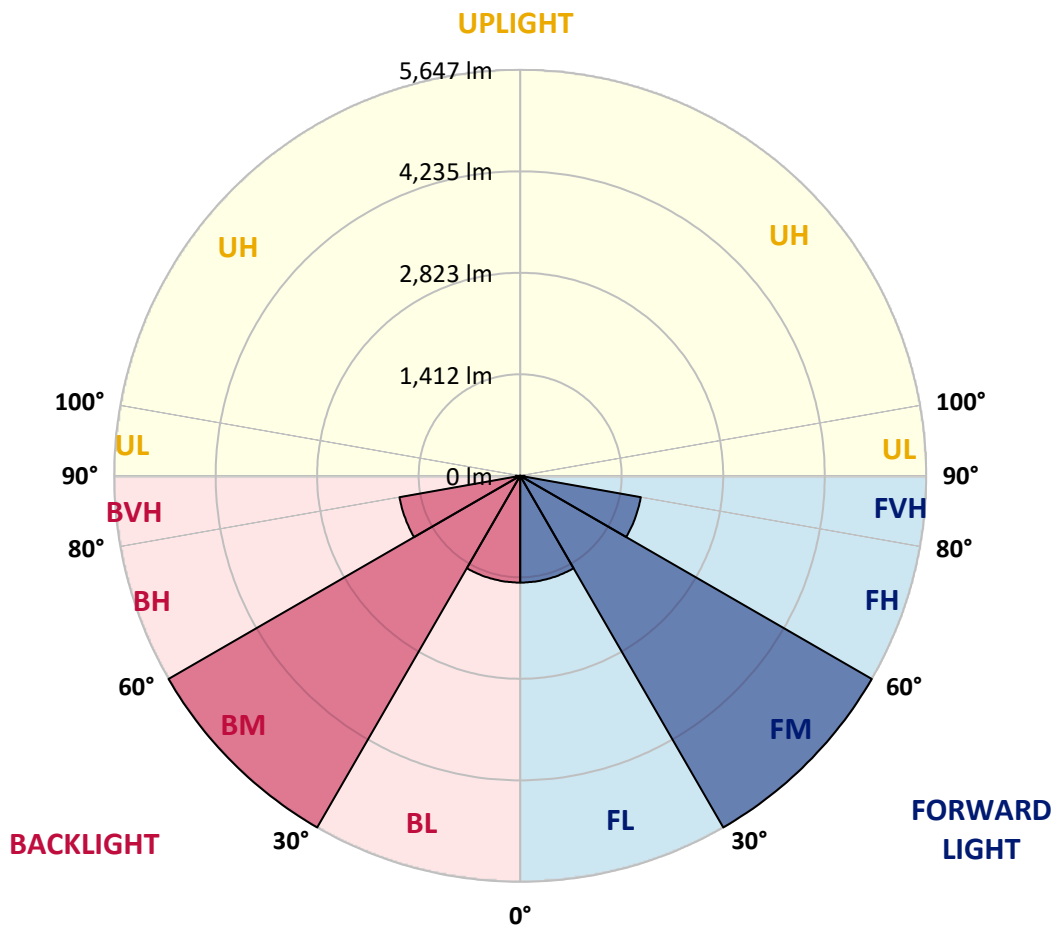
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.5	8.3			
FM (30°-60°)	5646.9	31.7			
FH (60°-80°)	1703.9	9.6			G1/1800
FVH (80°-90°)	59.2	0.3			G1/100
BL (0°-30°)	1484.5	8.3	B3/2500		
BM (30°-60°)	5646.9	31.7	B4/8500		
BH (60°-80°)	1703.9	9.6	B3/2500		G1/1800
BVH (80°-90°)	59.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0	3436.0
2.5°	3415.5	3440.5	3422.3	3438.3	3436.0	3429.1	3417.7	3410.9	3401.8	3415.5	3392.7
5°	3401.8	3422.3	3442.8	3415.5	3415.5	3401.8	3394.9	3381.3	3381.3	3379.0	3376.7
7.5°	3424.6	3404.1	3394.9	3399.5	3404.1	3374.4	3394.9	3367.6	3344.8	3360.7	3379.0
10°	3404.1	3413.2	3379.0	3394.9	3369.9	3374.4	3360.7	3379.0	3353.9	3353.9	3353.9
12.5°	3424.6	3399.5	3410.9	3399.5	3392.7	3353.9	3372.1	3351.6	3349.3	3372.1	3351.6
15°	3465.6	3424.6	3415.5	3392.7	3399.5	3399.5	3381.3	3383.5	3358.5	3372.1	3376.7
17.5°	3451.9	3429.1	3422.3	3394.9	3417.7	3424.6	3390.4	3367.6	3383.5	3381.3	3379.0
20°	3463.3	3472.5	3465.6	3470.2	3479.3	3461.1	3429.1	3397.2	3376.7	3406.3	3404.1
22.5°	3536.3	3527.2	3522.6	3518.1	3534.0	3552.3	3508.9	3458.8	3458.8	3479.3	3488.4
25°	3595.6	3593.3	3591.0	3611.5	3666.3	3666.3	3611.5	3547.7	3531.7	3545.4	3534.0
27.5°	3682.2	3707.3	3698.2	3734.7	3814.5	3832.7	3759.7	3684.5	3641.2	3625.2	3645.7
30°	3880.6	3850.9	3857.8	3896.5	3967.2	4026.5	3914.8	3835.0	3775.7	3773.4	3782.5
32.5°	4012.8	4035.6	4056.1	4092.6	4204.3	4249.9	4115.4	3985.5	3949.0	3928.5	3935.3
35°	4277.3	4256.8	4252.2	4288.7	4400.4	4475.7	4307.0	4192.9	4145.1	4190.7	4190.7
37.5°	4528.1	4471.1	4427.8	4475.7	4578.3	4587.4	4443.8	4382.2	4357.1	4409.6	4407.3
40°	4646.7	4642.1	4541.8	4569.2	4706.0	4719.6	4585.1	4512.2	4507.6	4576.0	4644.4
42.5°	4769.8	4726.5	4626.2	4644.4	4728.8	4733.3	4605.6	4585.1	4635.3	4701.4	4706.0
45°	4790.3	4753.8	4690.0	4644.4	4706.0	4719.6	4644.4	4658.1	4662.6	4742.4	4742.4
47.5°	4831.4	4826.8	4790.3	4756.1	4767.5	4756.1	4708.2	4728.8	4797.2	4835.9	4817.7
50°	4945.4	4897.5	4934.0	4904.3	4906.6	4938.5	4895.2	4915.7	4902.0	4867.8	4845.0
52.5°	5196.2	5173.4	5205.3	5225.8	5248.6	5321.6	5271.4	5162.0	5059.4	4968.2	4965.9
55°	5563.2	5579.2	5640.8	5745.6	5834.6	5950.8	5709.2	5447.0	5282.8	5139.2	5148.3
57.5°	5909.8	5898.4	5982.8	6222.2	6482.1	6541.4	6067.1	5693.2	5426.4	5335.2	5296.5
59°	5631.6	5686.4	5877.9	6144.6	6552.8	6639.4	6019.2	5492.6	5209.8	5025.2	5057.1
60°	5193.9	5214.4	5385.4	5757.0	6308.8	6457.0	5697.8	5182.5	4806.3	4699.1	4747.0
62.5°	3670.8	3654.9	3778.0	4081.2	4576.0	4776.6	4236.3	3873.7	3636.6	3518.1	3545.4
65°	1951.7	2024.7	2074.8	2264.1	2526.3	2738.3	2514.9	2357.5	2225.3	2127.3	2125.0
67.5°	1317.8	1308.7	1320.1	1363.4	1452.4	1511.7	1507.1	1427.3	1415.9	1397.6	1418.2
70°	1110.4	1105.8	1085.3	1085.3	1103.5	1117.2	1133.2	1142.3	1160.5	1183.3	1181.0
72.5°	900.6	889.2	875.5	868.7	891.5	898.3	918.8	928.0	943.9	941.6	962.2
75°	595.1	595.1	611.0	629.3	636.1	649.8	652.1	679.4	679.4	684.0	665.8
77.5°	332.9	323.8	335.2	353.4	369.4	394.4	419.5	440.0	451.4	446.9	446.9
80°	193.8	193.8	205.2	225.7	246.2	269.0	287.3	303.2	314.6	310.1	301.0
82.5°	120.8	120.8	132.2	152.8	168.7	182.4	207.5	228.0	241.7	237.1	225.7
85°	61.6	61.6	75.2	88.9	109.4	118.6	116.3	107.2	104.9	93.5	93.5
87.5°	16.0	16.0	22.8	25.1	20.5	22.8	22.8	22.8	22.8	22.8	25.1
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)