

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: P529322

Luminaire Tested: **GALN-SA4C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4C-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20380 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

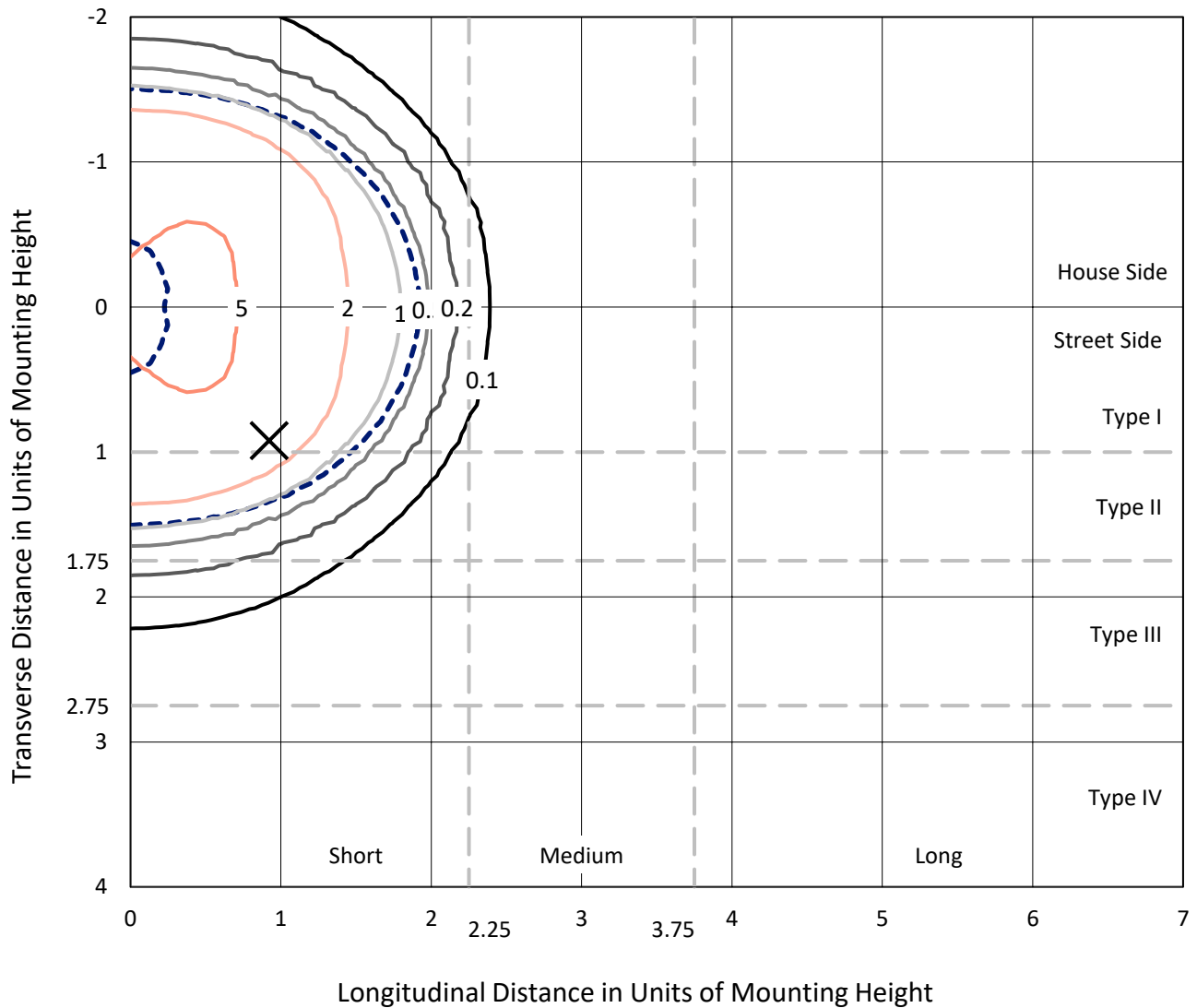
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

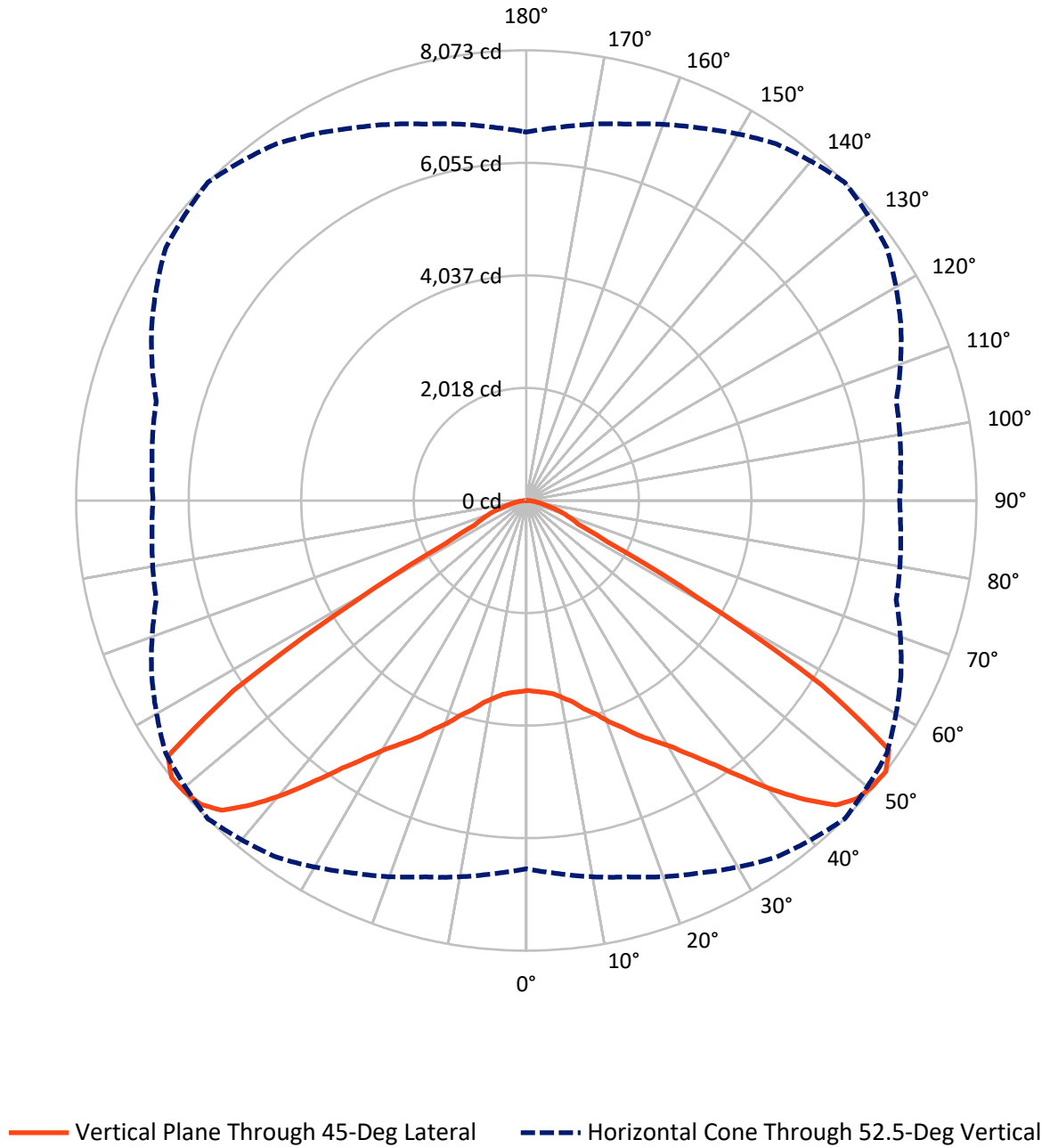
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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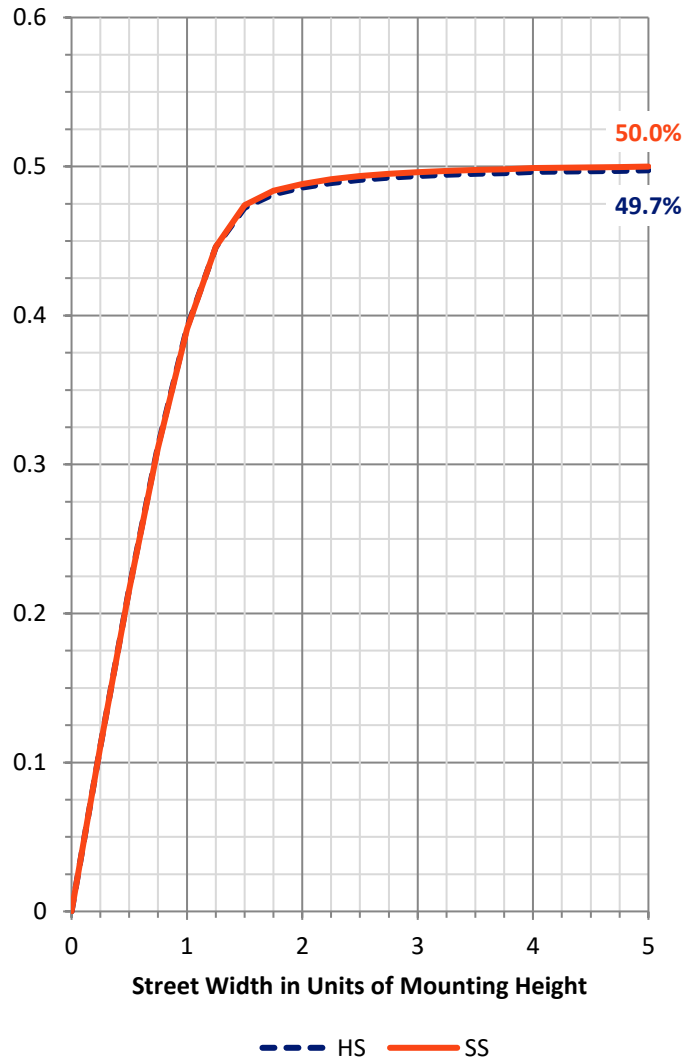
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10190.0	0.0	10190.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10190.0	0.0	10190.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20380.0	0.0	20380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.7	1.6
10°-20°	1099.8	5.4
20°-30°	2093.9	10.3
30°-40°	3595.4	17.6
40°-50°	5526.2	27.1
50°-60°	5611.8	27.5
60°-70°	1563.9	7.7
70°-80°	461.3	2.3
80°-90°	92.9	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°	20380.0	100.0
0°-180°	20380.0	100.0

**Coefficient of Utilization**



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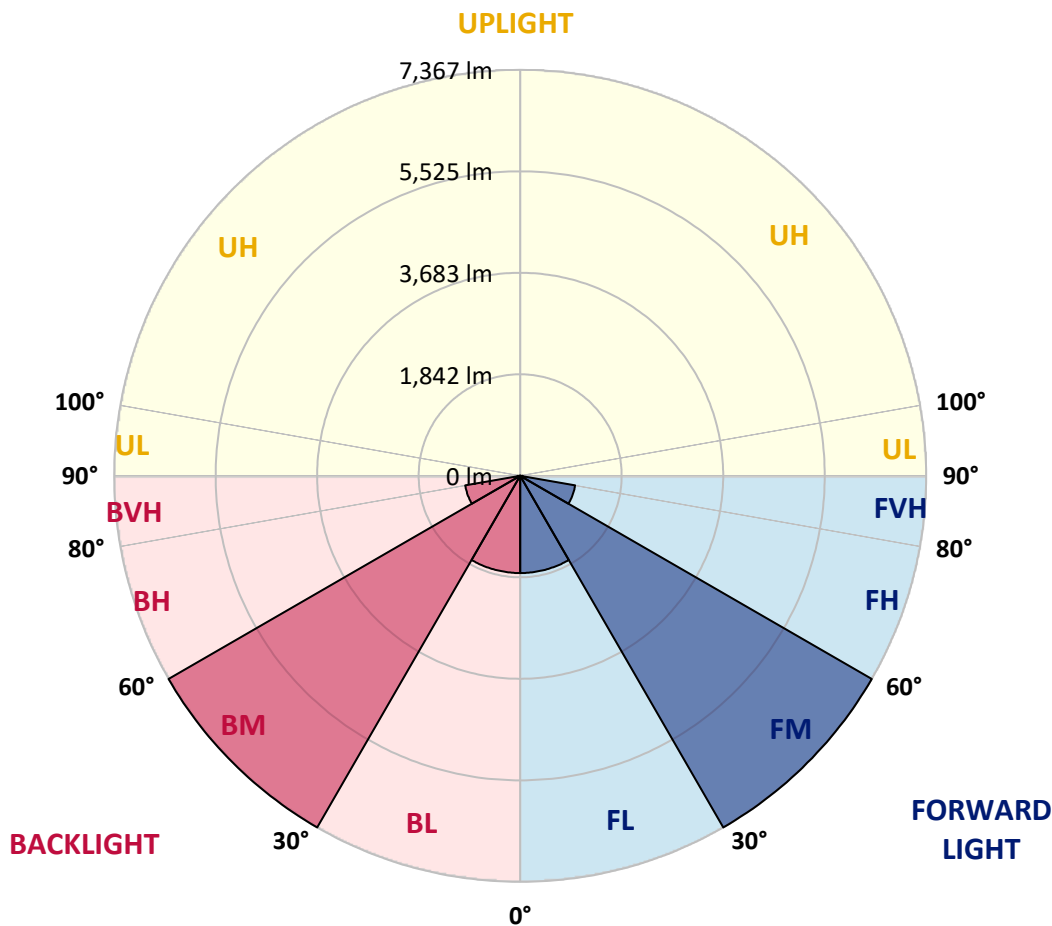
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.2	8.7			
FM (30°-60°)	7366.7	36.1			
FH (60°-80°)	1012.6	5.0			G1/1800
FVH (80°-90°)	46.5	0.2			G1/100
BL (0°-30°)	1764.2	8.7	B3/2500		
BM (30°-60°)	7366.7	36.1	B4/8500		
BH (60°-80°)	1012.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	46.5	0.2			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°	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8	3406.8
2.5°	3414.4	3379.0	3391.6	3399.2	3432.1	3429.5	3422.0	3432.1	3442.2	3444.7	3439.7
5°	3411.8	3386.6	3396.7	3404.3	3437.1	3454.8	3449.8	3492.8	3523.1	3515.5	3553.5
7.5°	3391.6	3406.8	3394.1	3432.1	3459.9	3502.9	3548.4	3588.9	3626.8	3669.8	3677.4
10°	3437.1	3437.1	3459.9	3490.2	3563.6	3596.5	3662.2	3720.4	3793.7	3844.3	3824.1
12.5°	3485.2	3492.8	3492.8	3571.2	3631.9	3705.2	3765.9	3844.3	3948.0	4008.7	4039.1
15°	3533.2	3538.3	3563.6	3669.8	3760.9	3877.2	3932.9	4003.7	4061.8	4175.7	4178.2
17.5°	3576.2	3604.1	3679.9	3798.8	3912.6	4023.9	4112.4	4185.8	4236.4	4281.9	4271.8
20°	3738.1	3758.3	3836.7	3955.6	4125.1	4233.8	4264.2	4276.8	4309.7	4400.7	4372.9
22.5°	3894.9	3902.5	3975.8	4157.9	4276.8	4421.0	4453.9	4446.3	4458.9	4481.7	4522.1
25°	4056.8	4069.4	4170.6	4324.9	4491.8	4663.8	4691.6	4633.4	4615.7	4641.0	4643.5
27.5°	4264.2	4266.7	4395.7	4529.7	4719.4	4881.3	4924.3	4878.8	4795.3	4815.5	4848.4
30°	4527.2	4509.5	4638.5	4830.7	5030.5	5121.6	5194.9	5172.1	5081.1	5063.4	5035.6
32.5°	4830.7	4835.8	4952.1	5162.0	5293.5	5445.3	5523.7	5485.8	5427.6	5397.2	5414.9
35°	5258.1	5280.9	5359.3	5533.8	5746.3	5822.1	5946.1	5865.1	5713.4	5751.3	5784.2
37.5°	5609.7	5675.4	5822.1	6029.5	6156.0	6295.1	6340.6	6231.9	6120.6	6075.1	6183.8
40°	6148.4	6128.2	6290.0	6497.4	6684.6	6823.7	6765.5	6656.8	6381.1	6383.6	6414.0
42.5°	6611.2	6621.4	6745.3	6993.1	7248.6	7334.6	7150.0	6884.4	6578.4	6545.5	6611.2
45°	7000.7	7041.2	7112.0	7443.3	7693.7	7787.3	7445.9	7132.2	6722.5	6585.9	6694.7
47.5°	7139.8	7205.6	7359.9	7663.4	7911.2	7987.1	7714.0	7263.8	6856.6	6634.0	6692.2
50°	7160.1	7137.3	7390.2	7668.4	7885.9	8050.3	7810.1	7359.9	6823.7	6707.3	6689.6
52.5°	6606.2	6717.5	6988.1	7370.0	7810.1	8073.1	7896.1	7413.0	6869.2	6737.7	6694.7
55°	5346.7	5215.1	5708.3	6350.7	7160.1	7891.0	7865.7	7440.8	6897.0	6788.3	6730.1
57.5°	2984.4	3022.4	3300.6	3998.6	5043.2	6257.2	6993.1	7147.4	6884.4	6821.2	6851.5
60°	1380.9	1393.6	1512.4	1838.7	2486.2	3548.4	4517.1	5500.9	5953.7	6044.7	6044.7
62.5°	1029.4	1024.3	1054.7	1112.8	1249.4	1631.3	2177.6	2959.1	3581.3	4016.3	4130.1
65°	930.7	928.2	943.4	963.6	973.7	1026.8	1148.2	1388.5	1590.8	1707.2	1687.0
67.5°	814.4	811.9	816.9	829.6	847.3	875.1	905.4	956.0	1026.8	1021.8	1009.1
70°	657.6	657.6	665.2	675.3	695.5	728.4	763.8	799.2	859.9	872.6	870.0
72.5°	485.6	478.0	493.2	513.4	533.7	574.1	612.1	644.9	687.9	700.6	695.5
75°	308.6	313.6	323.7	346.5	381.9	409.7	450.2	478.0	505.8	515.9	518.5
77.5°	172.0	177.0	194.7	222.6	258.0	288.3	323.7	346.5	364.2	366.7	369.3
80°	103.7	106.2	123.9	149.2	179.6	212.4	240.3	263.0	278.2	270.6	268.1
82.5°	63.2	65.8	80.9	103.7	129.0	154.3	184.6	204.9	220.0	209.9	199.8
85°	32.9	35.4	48.1	63.2	83.5	96.1	96.1	86.0	83.5	78.4	75.9
87.5°	10.1	10.1	12.6	15.2	12.6	15.2	17.7	20.2	20.2	22.8	20.2
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)