

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: P533066

Luminaire Tested: **GALN-SA8C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533066  
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-SA8C-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 41602 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

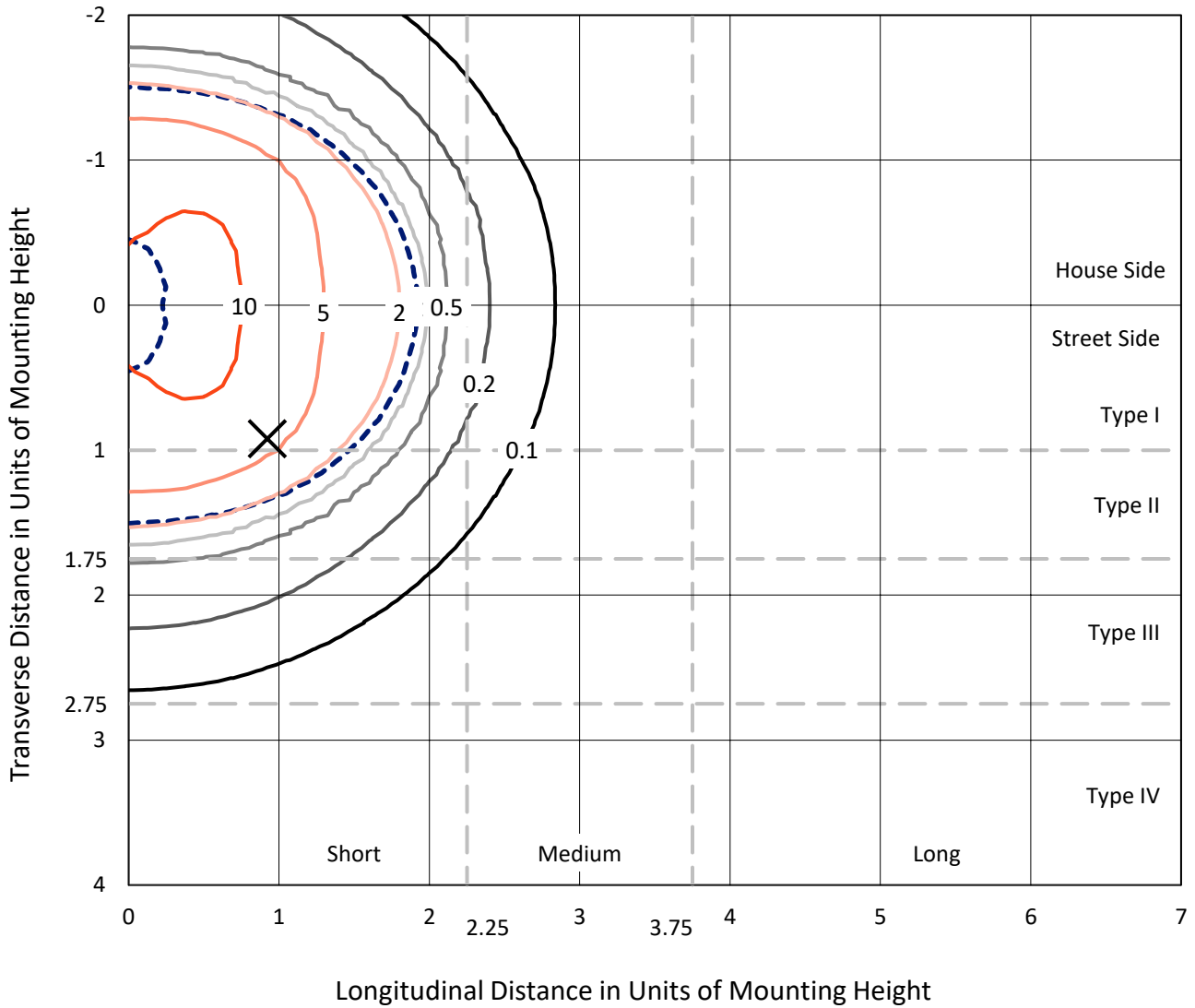
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

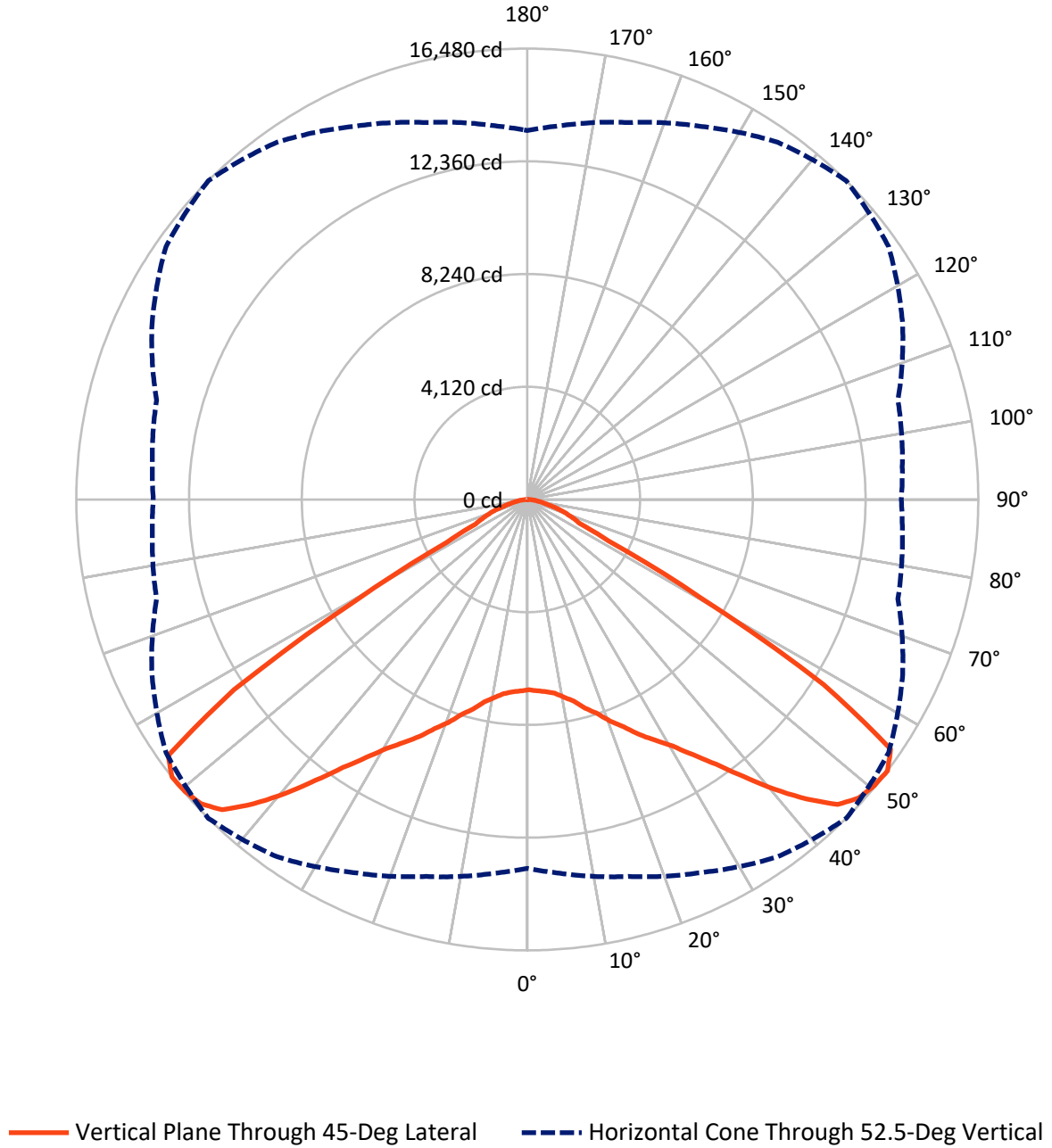
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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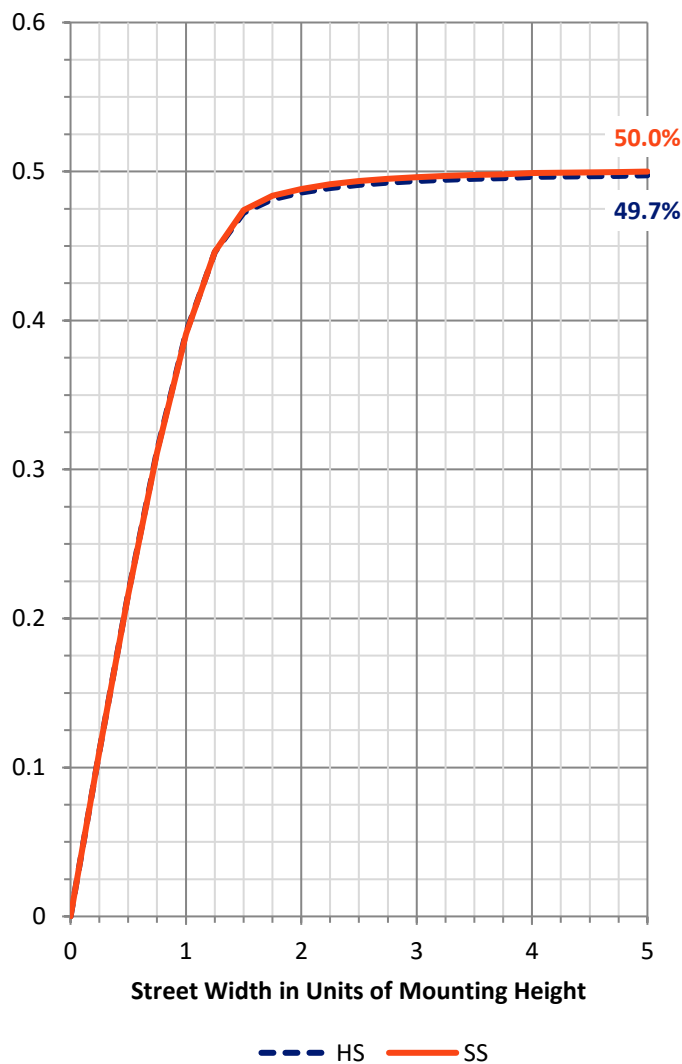
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20801.0	0.0	20801.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20801.0	0.0	20801.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41602.0	0.0	41602.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	683.2	1.6
10°-20°	2245.1	5.4
20°-30°	4274.3	10.3
30°-40°	7339.3	17.6
40°-50°	11280.7	27.1
50°-60°	11455.4	27.5
60°-70°	3192.5	7.7
70°-80°	941.7	2.3
80°-90°	189.7	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°	41602.0	100.0
0°-180°	41602.0	100.0

**Coefficient of Utilization**



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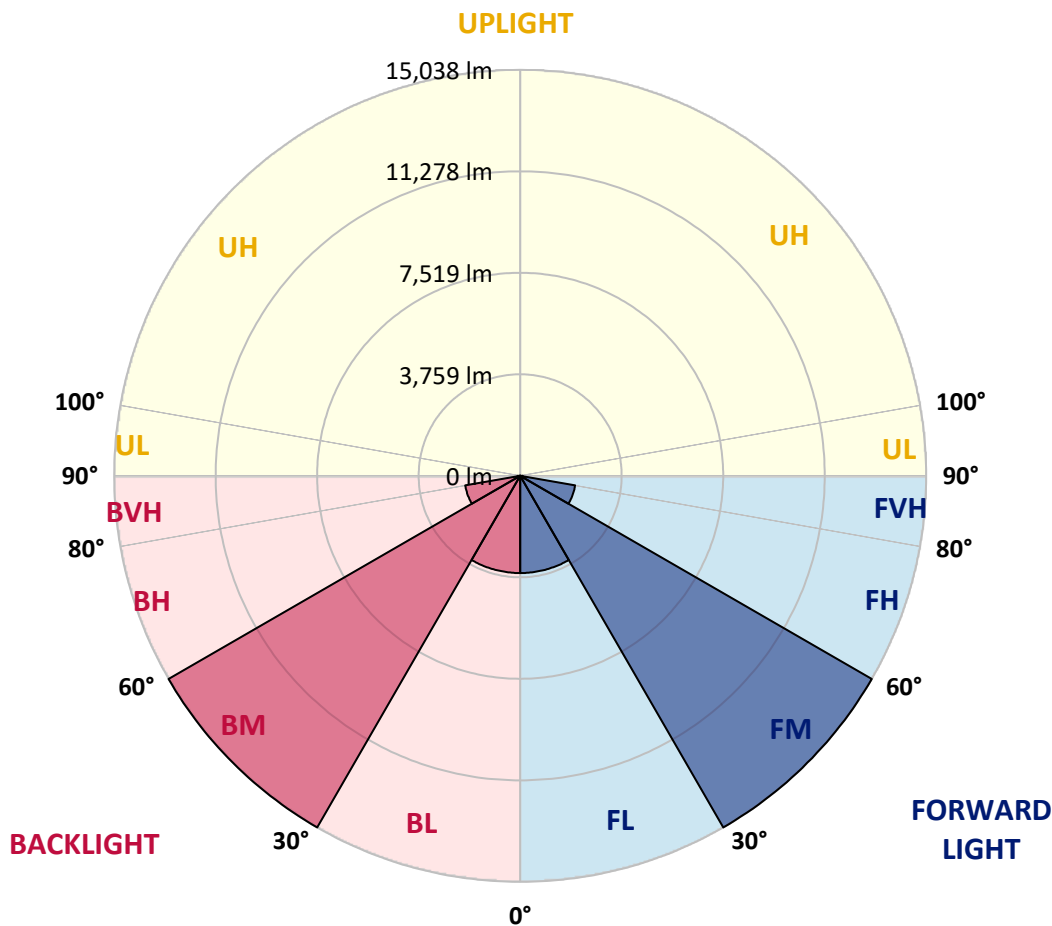
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3601.3	8.7			
FM (30°-60°)	15037.7	36.1			
FH (60°-80°)	2067.1	5.0			G2/5000
FVH (80°-90°)	94.8	0.2			G1/100
BL (0°-30°)	3601.3	8.7	B4/5000		
BM (30°-60°)	15037.7	36.1	B5		
BH (60°-80°)	2067.1	5.0	B3/2500		G2/5000
BVH (80°-90°)	94.8	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3	6954.3
2.5°	6969.8	6897.5	6923.3	6938.8	7006.0	7000.8	6985.3	7006.0	7026.6	7031.8	7021.4
5°	6964.6	6913.0	6933.7	6949.2	7016.3	7052.4	7042.1	7129.9	7191.8	7176.3	7253.8
7.5°	6923.3	6954.3	6928.5	7006.0	7062.7	7150.5	7243.4	7326.0	7403.5	7491.3	7506.7
10°	7016.3	7016.3	7062.7	7124.7	7274.4	7341.5	7475.8	7594.5	7744.2	7847.5	7806.2
12.5°	7114.4	7129.9	7129.9	7289.9	7413.8	7563.5	7687.4	7847.5	8059.2	8183.1	8245.0
15°	7212.5	7222.8	7274.4	7491.3	7677.1	7914.6	8028.2	8172.7	8291.5	8523.8	8529.0
17.5°	7300.2	7357.0	7511.9	7754.6	7986.9	8214.1	8394.8	8544.5	8647.7	8740.7	8720.0
20°	7630.7	7672.0	7832.0	8074.7	8420.6	8642.6	8704.5	8730.3	8797.5	8983.3	8926.5
22.5°	7950.7	7966.2	8116.0	8487.7	8730.3	9024.6	9091.7	9076.2	9102.1	9148.5	9231.1
25°	8281.2	8307.0	8513.5	8828.4	9169.2	9520.2	9577.0	9458.3	9422.2	9473.8	9478.9
27.5°	8704.5	8709.7	8973.0	9246.6	9633.8	9964.2	10052.0	9959.1	9788.7	9830.0	9897.1
30°	9241.5	9205.3	9468.6	9861.0	10268.9	10454.7	10604.4	10558.0	10372.1	10336.0	10279.2
32.5°	9861.0	9871.3	10108.8	10537.3	10805.8	11115.6	11275.6	11198.2	11079.4	11017.5	11053.6
35°	10733.5	10780.0	10940.0	11296.3	11729.9	11884.8	12137.8	11972.6	11662.8	11740.3	11807.4
37.5°	11451.1	11585.4	11884.8	12308.2	12566.3	12850.3	12943.2	12721.2	12494.0	12401.1	12623.1
40°	12550.8	12509.5	12839.9	13263.3	13645.3	13929.3	13810.6	13588.6	13025.8	13031.0	13092.9
42.5°	13495.6	13516.3	13769.2	14275.2	14796.7	14972.2	14595.3	14053.2	13428.5	13361.4	13495.6
45°	14290.7	14373.3	14517.9	15194.2	15705.3	15896.3	15199.4	14559.2	13722.8	13444.0	13666.0
47.5°	14574.6	14708.9	15023.8	15643.4	16149.3	16304.2	15746.6	14827.6	13996.4	13542.1	13660.8
50°	14616.0	14569.5	15085.8	15653.7	16097.7	16433.3	15942.8	15023.8	13929.3	13691.8	13655.7
52.5°	13485.3	13712.5	14264.9	15044.5	15942.8	16479.7	16118.3	15132.2	14022.2	13753.8	13666.0
55°	10914.2	10645.7	11652.5	12963.8	14616.0	16108.0	16056.4	15189.0	14079.0	13857.0	13738.3
57.5°	6092.1	6169.6	6737.5	8162.4	10294.7	12772.8	14275.2	14590.1	14053.2	13924.1	13986.1
60°	2818.9	2844.7	3087.4	3753.4	5075.1	7243.4	9220.8	11229.1	12153.3	12339.1	12339.1
62.5°	2101.3	2090.9	2152.9	2271.6	2550.4	3330.0	4445.2	6040.5	7310.6	8198.6	8430.9
65°	1899.9	1894.8	1925.7	1967.0	1987.7	2096.1	2343.9	2834.4	3247.4	3484.9	3443.6
67.5°	1662.4	1657.3	1667.6	1693.4	1729.5	1786.3	1848.3	1951.5	2096.1	2085.8	2060.0
70°	1342.3	1342.3	1357.8	1378.5	1419.8	1486.9	1559.2	1631.5	1755.4	1781.2	1776.0
72.5°	991.3	975.8	1006.8	1048.1	1089.4	1172.0	1249.4	1316.5	1404.3	1430.1	1419.8
75°	629.9	640.2	660.8	707.3	779.6	836.4	919.0	975.8	1032.6	1053.2	1058.4
77.5°	351.1	361.4	397.5	454.3	526.6	588.6	660.8	707.3	743.4	748.6	753.8
80°	211.7	216.8	253.0	304.6	366.6	433.7	490.5	536.9	567.9	552.4	547.3
82.5°	129.1	134.2	165.2	211.7	263.3	314.9	376.9	418.2	449.2	428.5	407.9
85°	67.1	72.3	98.1	129.1	170.4	196.2	196.2	175.5	170.4	160.0	154.9
87.5°	20.7	20.7	25.8	31.0	25.8	31.0	36.1	41.3	41.3	46.5	41.3
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)