

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: P939900

Luminaire Tested: **GALN-SB2D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

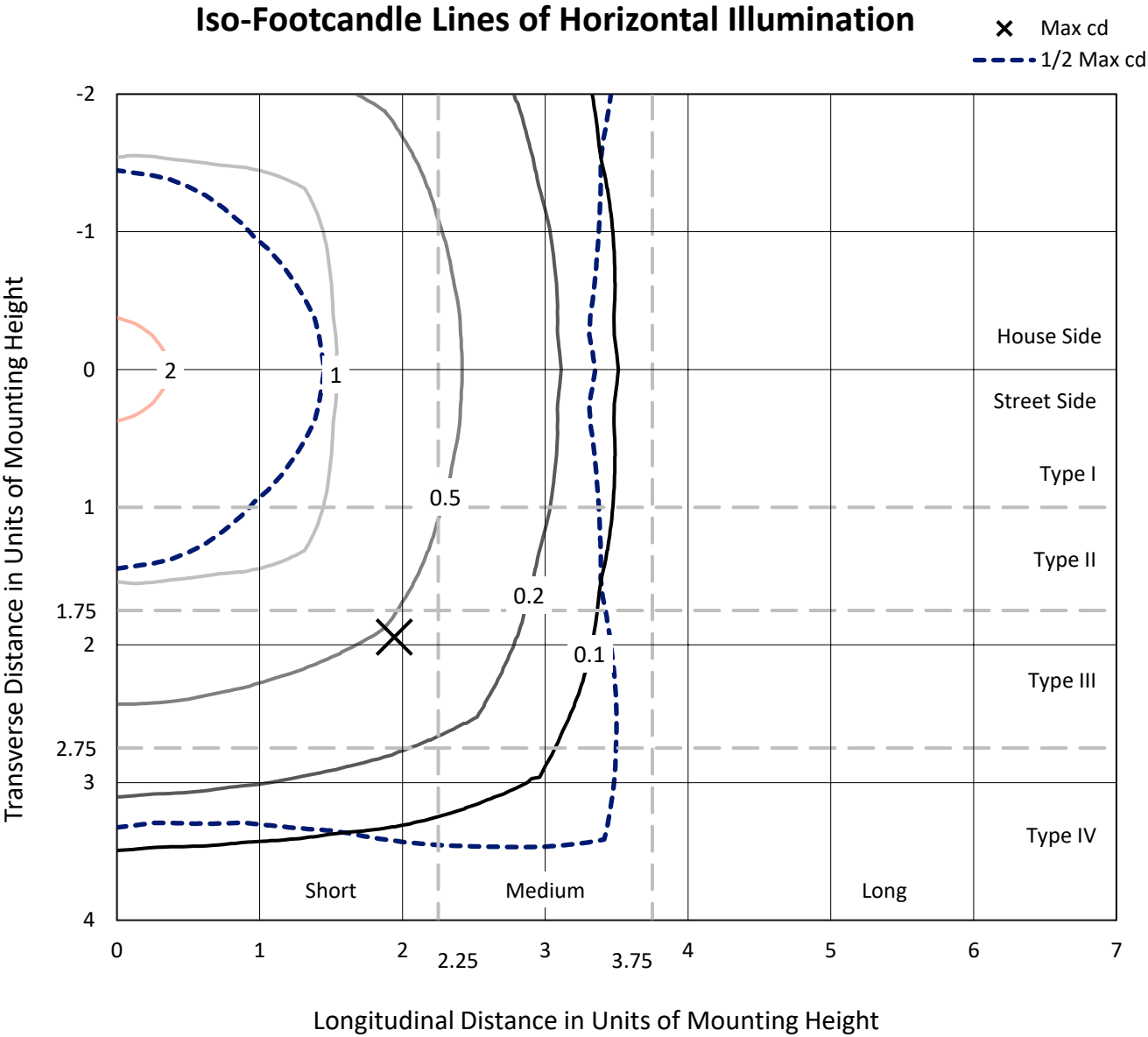
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17005 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 147.6
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

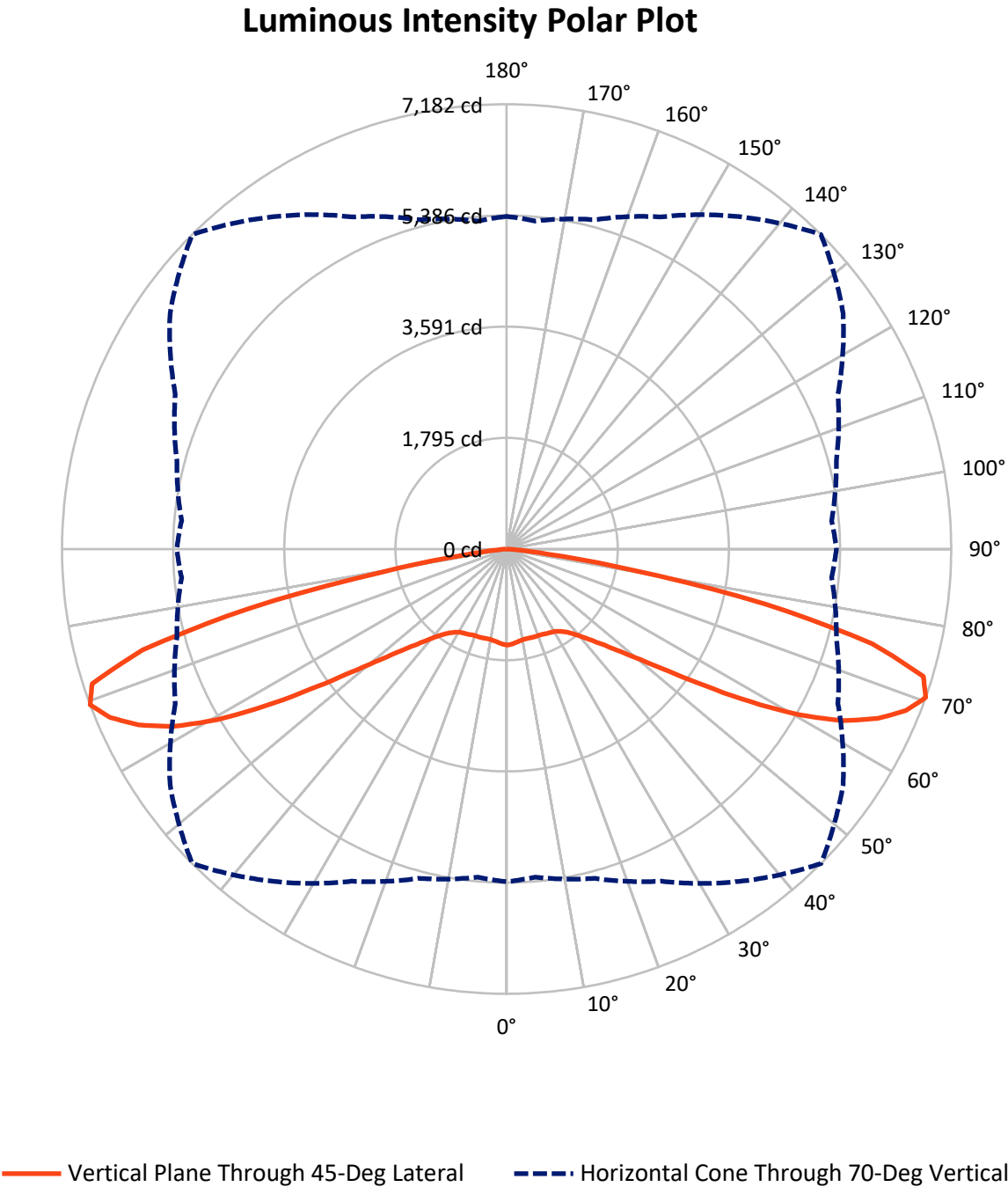


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Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - N/A

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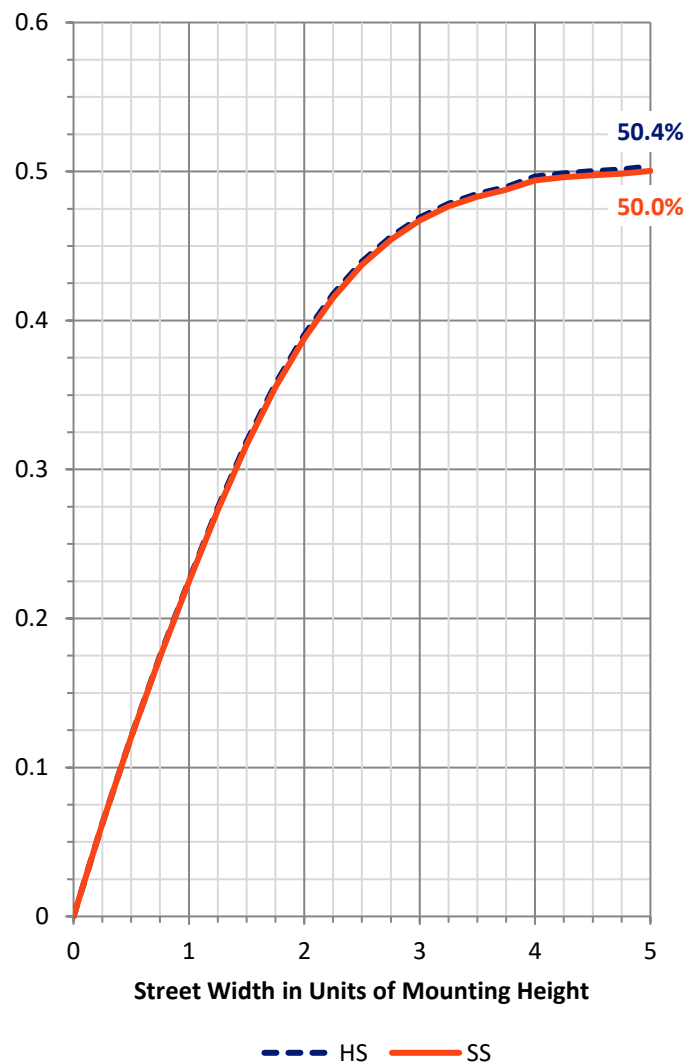
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8502.5	0.0	8502.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8502.5	0.0	8502.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17005.0	0.0	17005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	0.8
10°-20°	423.7	2.5
20°-30°	705.1	4.1
30°-40°	1066.3	6.3
40°-50°	1772.0	10.4
50°-60°	3343.6	19.7
60°-70°	5645.8	33.2
70°-80°	3709.9	21.8
80°-90°	194.4	1.1
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°	17005.0	100.0
0°-180°	17005.0	100.0

Coefficient of Utilization



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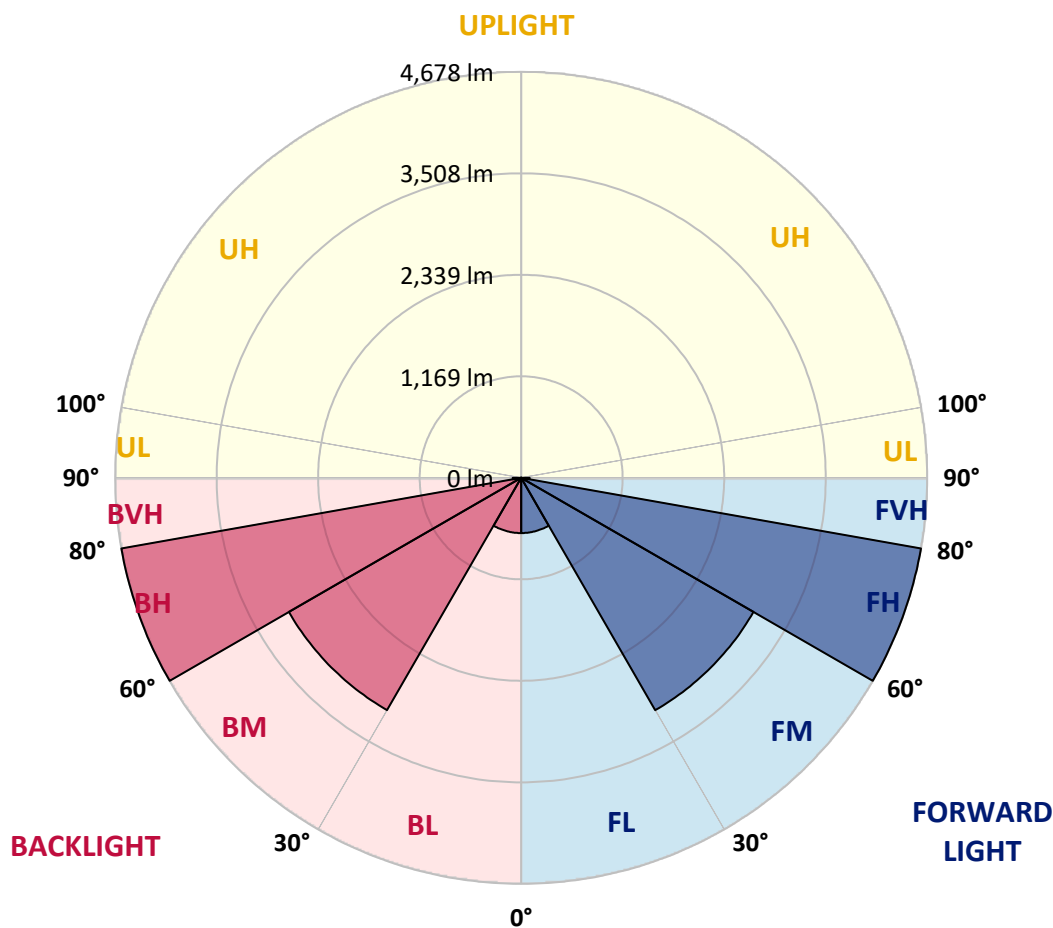
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.5	3.7			
FM	(30°-60°)	3090.9	18.2			
FH	(60°-80°)	4677.8	27.5			G2/5000
FVH	(80°-90°)	97.2	0.6			G1/100
BL	(0°-30°)	636.5	3.7	B2/1000		
BM	(30°-60°)	3090.9	18.2	B3/5000		
BH	(60°-80°)	4677.8	27.5	B4/5000		G2/5000
BVH	(80°-90°)	97.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2	1551.2
2.5°	1541.5	1545.9	1544.1	1540.6	1540.6	1537.9	1540.6	1542.4	1545.0	1546.8	1545.9
5°	1521.1	1524.7	1523.8	1521.1	1522.0	1519.4	1521.1	1523.8	1525.6	1526.4	1526.4
7.5°	1503.5	1507.0	1505.2	1500.8	1500.8	1498.2	1499.0	1501.7	1504.4	1505.2	1505.2
10°	1499.0	1502.6	1497.3	1490.2	1487.6	1484.0	1484.9	1487.6	1492.9	1495.5	1495.5
12.5°	1500.8	1503.5	1498.2	1487.6	1484.9	1481.4	1481.4	1484.0	1491.1	1494.6	1495.5
15°	1506.1	1508.8	1500.8	1489.3	1486.7	1484.0	1483.1	1486.7	1494.6	1500.8	1501.7
17.5°	1515.8	1518.5	1506.1	1490.2	1486.7	1487.6	1486.7	1489.3	1501.7	1513.2	1513.2
20°	1524.7	1526.4	1509.7	1490.2	1486.7	1487.6	1486.7	1492.0	1507.9	1523.8	1524.7
22.5°	1527.3	1529.1	1513.2	1496.4	1493.7	1494.6	1493.7	1499.0	1514.1	1530.0	1530.0
25°	1528.2	1530.9	1518.5	1505.2	1509.7	1511.4	1509.7	1510.5	1522.0	1536.2	1535.3
27.5°	1541.5	1545.0	1533.5	1522.0	1524.7	1523.8	1526.4	1529.1	1537.9	1552.1	1548.5
30°	1568.9	1571.5	1561.8	1550.3	1548.5	1542.4	1550.3	1559.2	1568.9	1581.3	1578.6
32.5°	1614.0	1619.3	1606.9	1594.5	1586.6	1583.0	1589.2	1604.2	1617.5	1630.7	1625.4
35°	1689.1	1692.6	1681.1	1658.1	1644.0	1644.0	1649.3	1668.8	1690.0	1706.8	1700.6
37.5°	1795.1	1799.6	1779.2	1751.8	1730.6	1730.6	1737.7	1758.0	1789.8	1813.7	1804.9
40°	1924.2	1930.4	1904.7	1876.5	1856.1	1852.6	1861.4	1884.4	1914.5	1944.5	1934.8
42.5°	2079.8	2086.8	2053.2	2028.5	2012.6	2012.6	2017.0	2038.2	2065.6	2102.7	2100.1
45°	2278.6	2291.0	2245.0	2220.3	2205.3	2208.8	2211.5	2230.0	2254.8	2297.2	2295.4
47.5°	2515.5	2527.9	2479.3	2453.6	2451.0	2467.8	2457.2	2470.4	2483.7	2532.3	2518.2
50°	2784.2	2805.4	2771.8	2770.1	2775.4	2806.3	2781.6	2788.6	2773.6	2804.5	2786.0
52.5°	3113.0	3143.9	3137.8	3148.4	3207.6	3271.2	3214.6	3189.9	3133.3	3143.1	3110.4
55°	3511.6	3558.5	3567.3	3631.0	3765.3	3895.2	3775.0	3675.1	3554.9	3532.8	3498.4
57.5°	3965.1	4002.2	4044.6	4174.5	4425.6	4656.2	4425.6	4204.6	4015.4	3970.4	3938.5
60°	4453.0	4498.9	4539.6	4731.4	5104.4	5428.8	5097.3	4746.4	4496.3	4435.3	4382.2
62.5°	4977.1	5036.3	5064.6	5277.6	5712.5	6099.6	5718.7	5293.5	5016.0	4950.6	4897.5
65°	5480.0	5528.6	5560.4	5787.6	6203.0	6591.0	6231.3	5812.4	5526.9	5441.1	5398.7
67.5°	5714.2	5740.8	5818.5	6075.7	6514.1	6957.0	6588.4	6103.1	5784.1	5633.8	5635.6
70°	5371.3	5317.4	5504.8	5916.7	6551.3	7181.5	6636.1	5904.3	5513.6	5269.7	5328.0
72.5°	4150.7	4057.9	4383.1	5087.6	6127.0	7038.3	6169.4	5127.4	4585.5	4090.6	4213.4
75°	2258.3	2153.1	2602.1	3493.1	4886.1	6100.5	4998.3	3592.9	2897.3	2241.5	2387.3
77.5°	637.3	597.5	959.9	1690.0	2938.9	4283.3	3052.0	1727.1	1138.4	675.3	750.4
80°	195.3	189.1	256.3	509.1	1248.0	2051.5	1199.4	515.3	326.1	205.9	217.4
82.5°	115.8	106.1	127.3	185.6	318.2	644.3	309.4	193.6	155.6	104.3	113.1
85°	66.3	61.9	75.1	90.2	106.9	137.0	89.3	91.9	83.1	55.7	58.3
87.5°	27.4	24.7	29.2	28.3	24.7	31.8	23.9	28.3	33.6	22.1	20.3
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)