

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: STREETWORKS

Report Number: P317026

Luminaire Tested: **GAN-SA2A-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2A-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8149 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 66
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

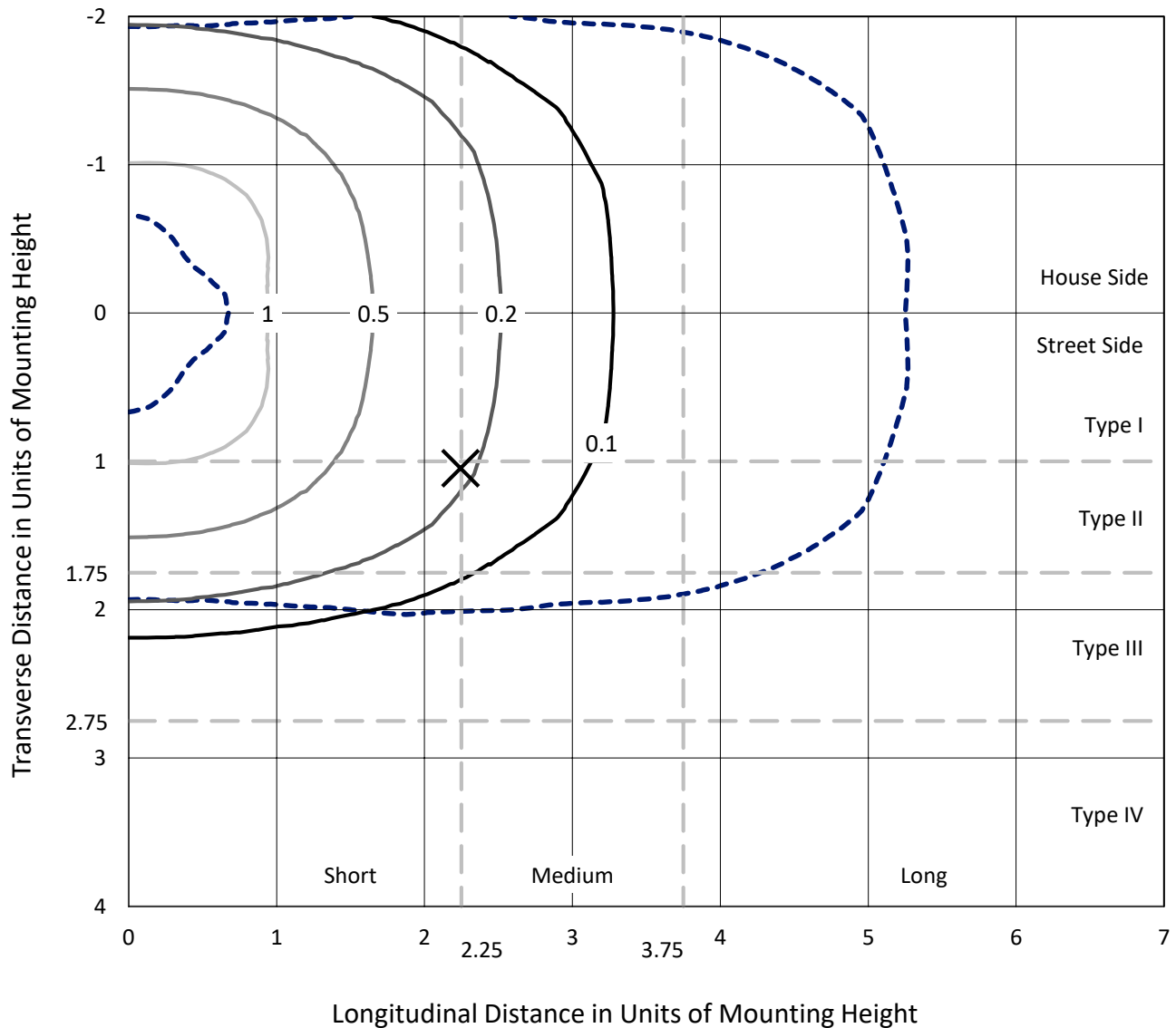


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Iso-Footcandle Lines of Horizontal Illumination

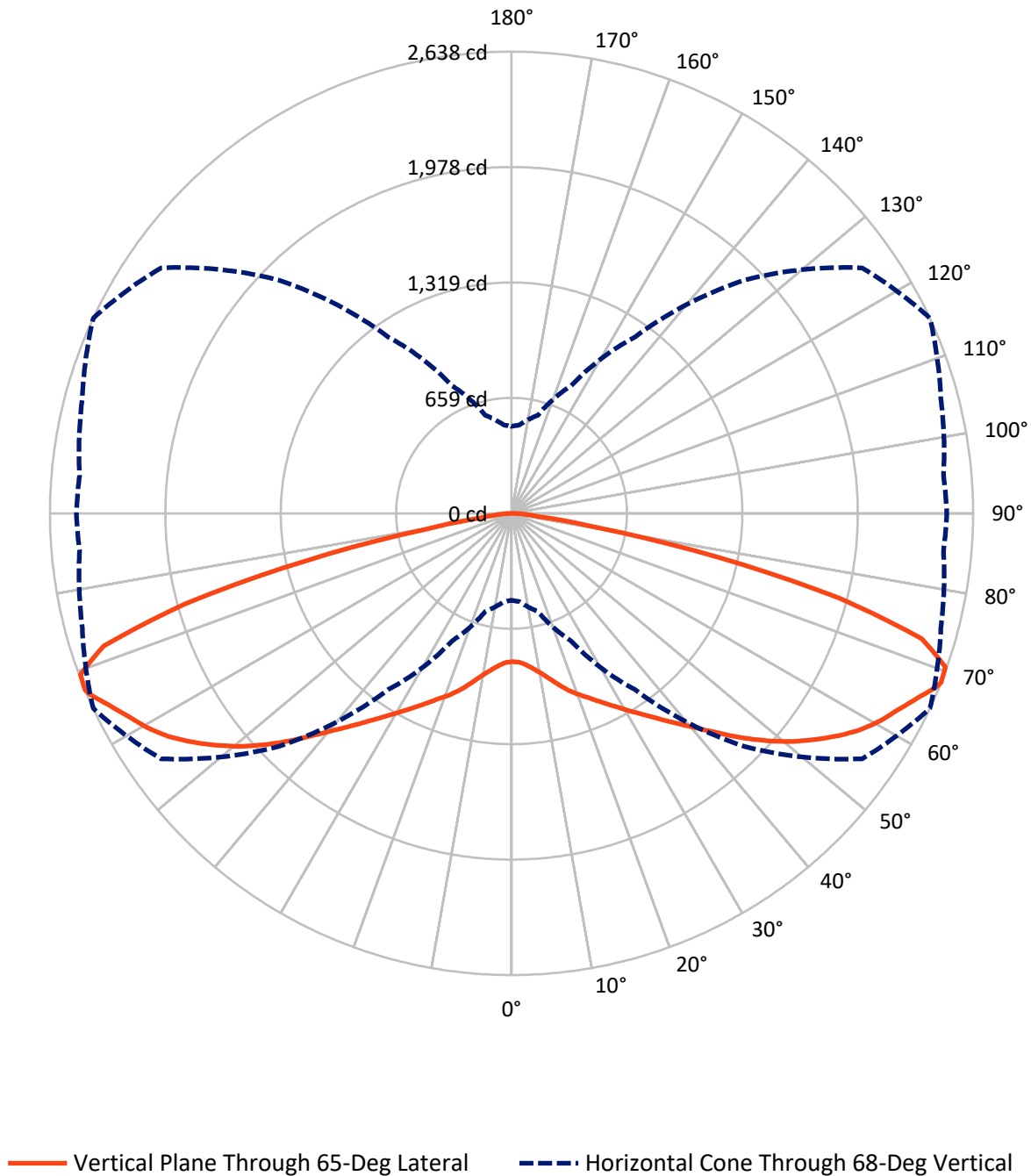
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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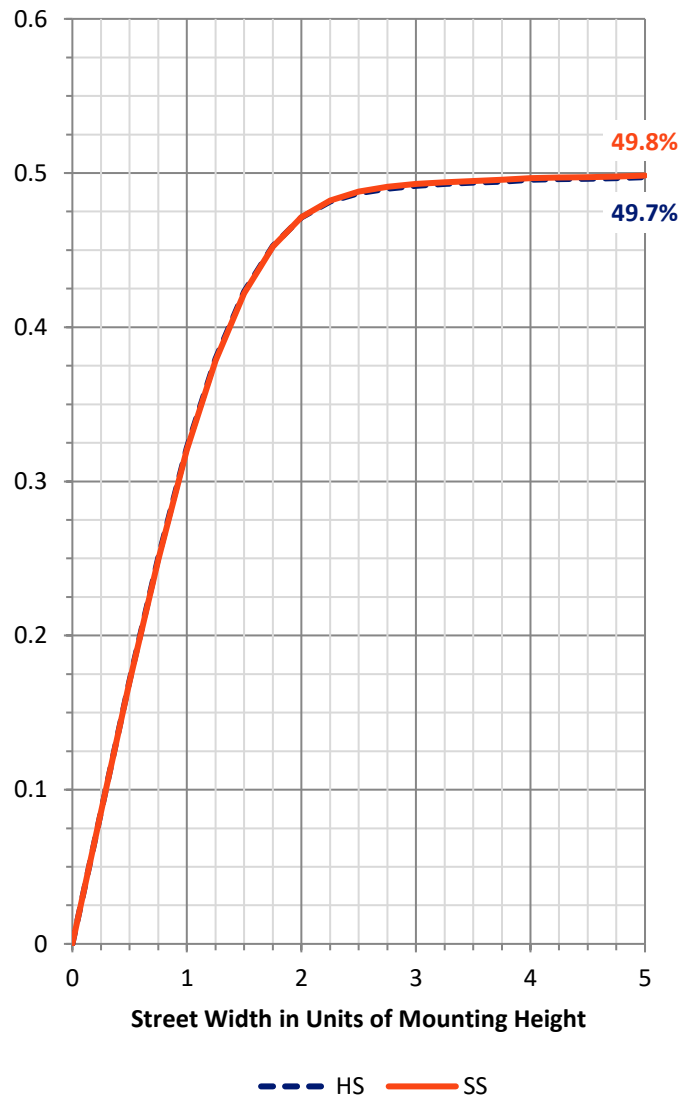
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4074.5	0.0	4074.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4074.5	0.0	4074.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8149.0	0.0	8149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	1.0
10°-20°	277.8	3.4
20°-30°	541.6	6.6
30°-40°	909.8	11.2
40°-50°	1433.6	17.6
50°-60°	1917.1	23.5
60°-70°	1863.7	22.9
70°-80°	1018.8	12.5
80°-90°	103.6	1.3
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°	8149.0	100.0
0°-180°	8149.0	100.0

Coefficient of Utilization



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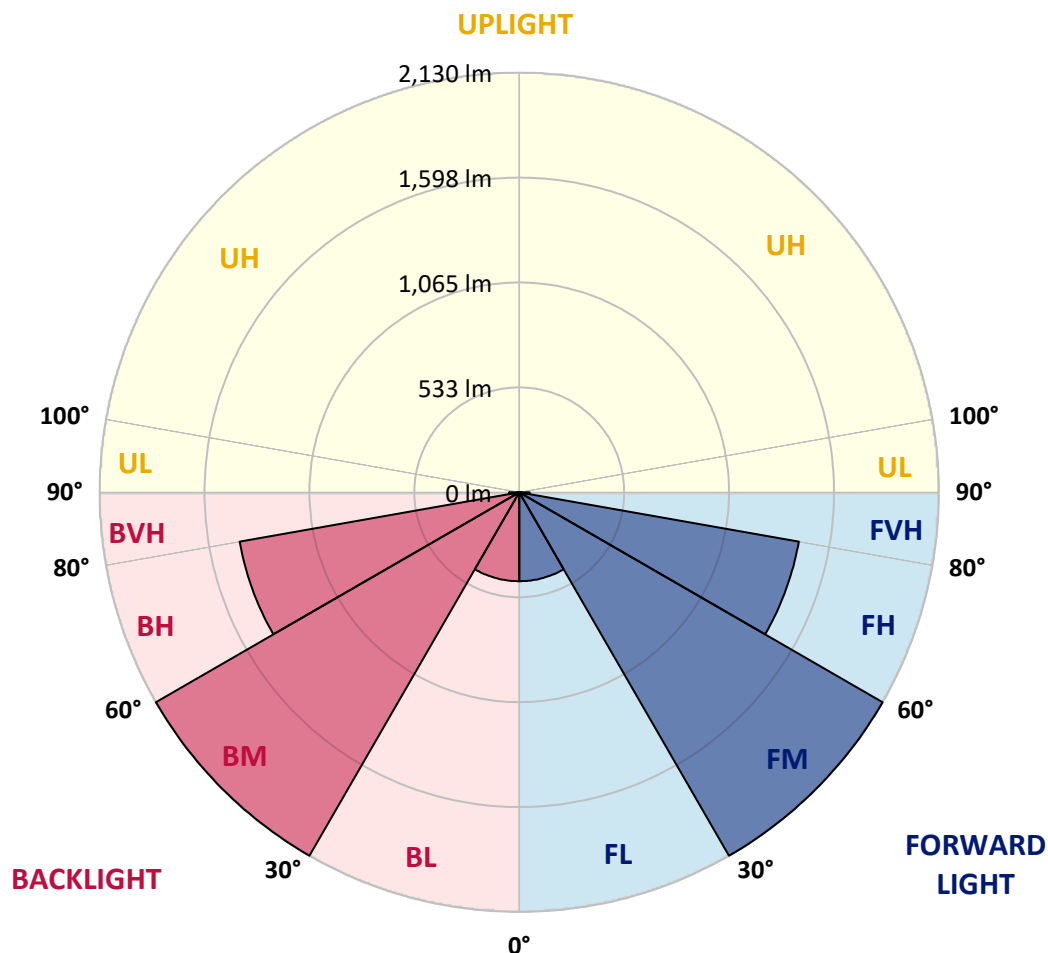
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.2	5.5			
FM	(30°-60°)	2130.3	26.1			
FH	(60°-80°)	1441.3	17.7			G1/1800
FVH	(80°-90°)	51.8	0.6			G1/100
BL	(0°-30°)	451.2	5.5	B1/500		
BM	(30°-60°)	2130.3	26.1	B2/2500		
BH	(60°-80°)	1441.3	17.7	B3/2500		G3/2500
BVH	(80°-90°)	51.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	847.3	847.3	847.3	847.3	847.3	847.3	847.3	847.3	847.3	847.3	847.3
2.5°	841.3	841.6	842.9	844.6	845.9	849.5	850.3	851.7	852.2	853.6	853.6
5°	833.9	834.5	837.7	842.1	847.0	855.8	862.1	869.2	872.7	876.5	876.3
7.5°	833.1	834.5	839.1	846.2	854.4	868.9	882.0	896.2	905.8	914.5	914.0
10°	841.6	843.8	850.3	861.0	873.3	891.3	910.7	929.8	946.5	959.9	960.4
12.5°	854.4	857.1	867.5	883.6	902.2	925.4	948.4	970.0	992.9	1012.9	1014.5
15°	871.3	874.9	890.5	914.5	942.9	970.5	995.1	1017.3	1043.8	1071.4	1074.1
17.5°	896.5	901.4	921.9	954.4	991.8	1022.2	1047.9	1064.5	1086.7	1115.1	1120.3
20°	934.7	941.0	967.0	1005.8	1051.4	1083.1	1102.8	1106.3	1117.3	1142.7	1148.7
22.5°	984.5	989.9	1018.9	1065.1	1116.2	1150.6	1161.0	1146.8	1145.7	1166.2	1171.9
25°	1039.9	1044.9	1078.5	1130.4	1185.3	1223.3	1223.0	1195.4	1176.3	1192.1	1198.1
27.5°	1102.2	1109.9	1142.1	1196.8	1255.5	1293.0	1290.8	1248.1	1211.8	1215.9	1221.1
30°	1173.8	1182.3	1213.7	1269.2	1327.9	1364.5	1361.8	1305.5	1250.9	1239.9	1243.8
32.5°	1262.6	1272.7	1302.5	1357.2	1409.1	1442.1	1434.2	1367.8	1297.9	1274.1	1277.7
35°	1369.5	1375.5	1406.9	1460.7	1502.8	1525.5	1508.8	1440.0	1357.4	1328.7	1328.7
37.5°	1477.7	1482.3	1517.6	1569.7	1610.5	1622.5	1590.0	1518.9	1435.3	1394.6	1395.4
40°	1581.5	1594.1	1633.7	1687.2	1727.4	1730.7	1687.5	1609.1	1521.9	1479.8	1484.8
42.5°	1690.0	1702.3	1749.5	1810.2	1845.7	1851.2	1800.6	1710.2	1619.7	1585.6	1591.1
45°	1786.7	1796.5	1851.2	1921.7	1965.9	1980.1	1920.3	1826.0	1725.5	1692.1	1693.5
47.5°	1854.2	1867.0	1927.1	2010.2	2074.7	2096.5	2037.8	1938.9	1829.6	1789.1	1792.7
50°	1915.4	1922.2	1983.1	2073.9	2155.8	2200.9	2150.6	2050.4	1934.8	1891.9	1895.7
52.5°	1949.5	1958.3	2017.3	2111.8	2208.8	2281.5	2250.9	2150.6	2036.4	1994.6	1999.3
55°	1925.8	1932.3	2003.1	2120.3	2241.6	2331.2	2335.9	2248.7	2136.2	2099.5	2112.7
57.5°	1817.6	1825.8	1912.1	2065.7	2245.7	2364.9	2399.8	2339.7	2229.3	2199.5	2207.2
60°	1648.4	1653.6	1745.7	1918.4	2165.9	2378.8	2440.5	2414.0	2320.6	2290.8	2301.2
62.5°	1347.1	1354.7	1464.8	1696.2	1997.4	2337.5	2479.9	2475.5	2405.6	2378.2	2387.5
65°	920.8	934.2	1056.1	1348.7	1737.5	2211.3	2515.7	2547.1	2480.7	2446.3	2458.6
67.5°	556.0	565.9	654.1	890.5	1329.6	1956.6	2478.8	2628.5	2533.7	2478.2	2488.4
68°	497.0	506.0	579.8	803.6	1229.8	1884.8	2445.2	2637.8	2539.5	2477.7	2486.7
70°	300.3	306.3	355.8	496.7	820.0	1495.1	2215.9	2630.2	2576.1	2485.4	2490.5
72.5°	195.6	197.5	205.7	254.9	418.9	836.1	1663.2	2450.9	2631.0	2529.9	2529.1
75°	162.6	161.5	162.3	168.0	206.6	366.7	971.9	1936.1	2508.0	2459.7	2442.5
77.5°	137.4	136.6	136.3	136.6	138.3	177.1	421.9	1206.1	1919.2	2175.8	2191.1
80°	111.2	110.1	113.7	112.0	107.1	110.1	176.8	501.7	904.7	973.3	912.1
82.5°	80.9	76.8	92.1	87.7	83.6	77.6	97.5	162.0	215.9	148.1	104.1
85°	62.3	57.9	69.9	67.2	57.4	39.6	57.9	79.2	87.4	50.0	39.3
87.5°	25.4	26.8	50.5	39.9	33.6	19.1	23.8	31.7	42.6	21.3	16.4
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)