

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: P317266

Luminaire Tested: **GAN-SA2A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317266
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-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

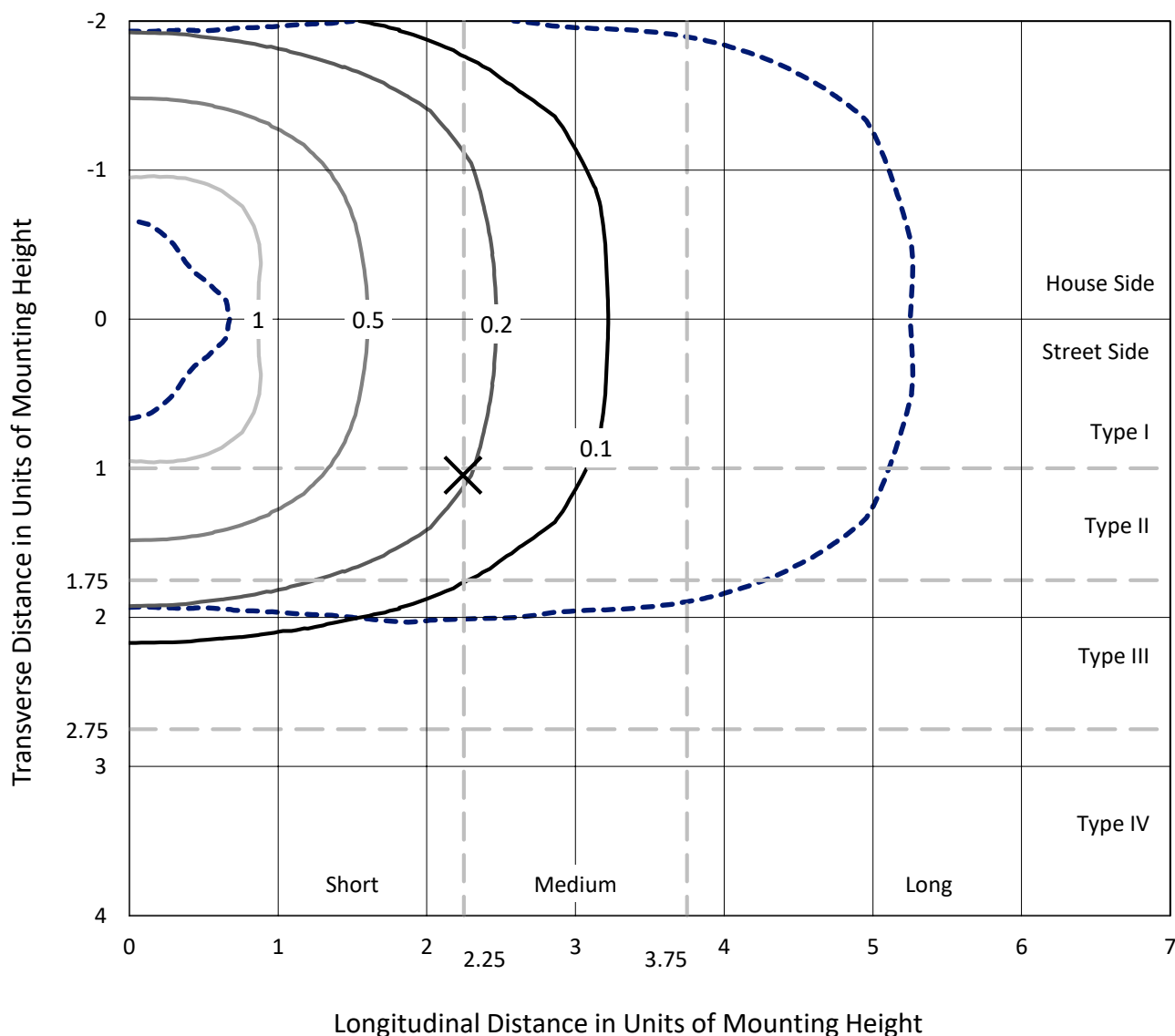
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317266
 CATALOG NUMBER: GAN-SA2A-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

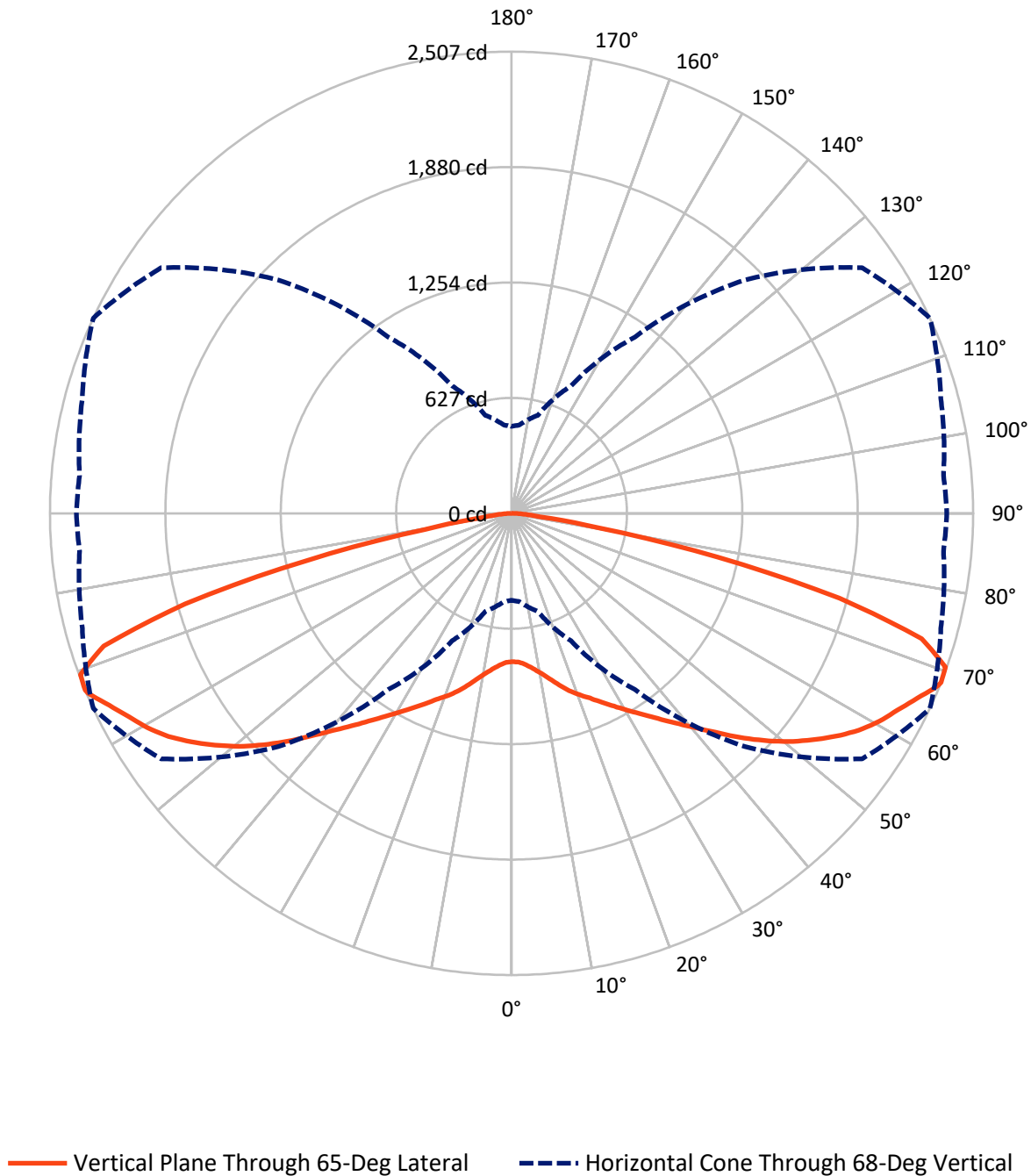
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P317266
CATALOG NUMBER: GAN-SA2A-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317266

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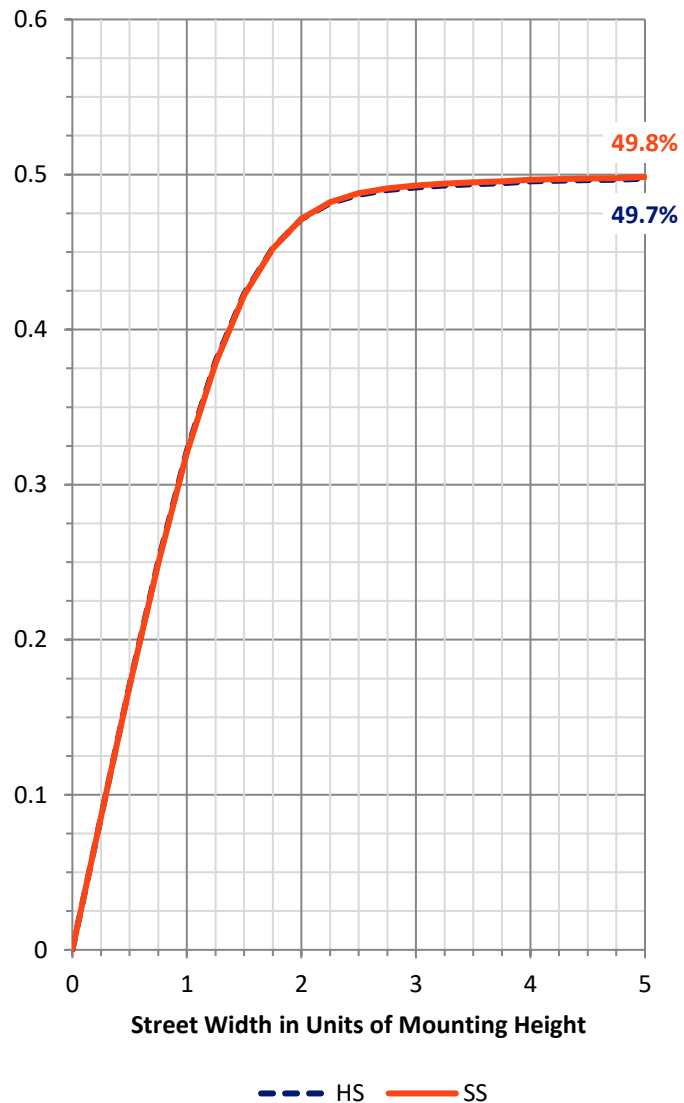
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3872.5	0.0	3872.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3872.5	0.0	3872.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7745.0	0.0	7745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.0
10°-20°	264.0	3.4
20°-30°	514.7	6.6
30°-40°	864.7	11.2
40°-50°	1362.5	17.6
50°-60°	1822.1	23.5
60°-70°	1771.3	22.9
70°-80°	968.3	12.5
80°-90°	98.5	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°	7745.0	100.0
0°-180°	7745.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317266

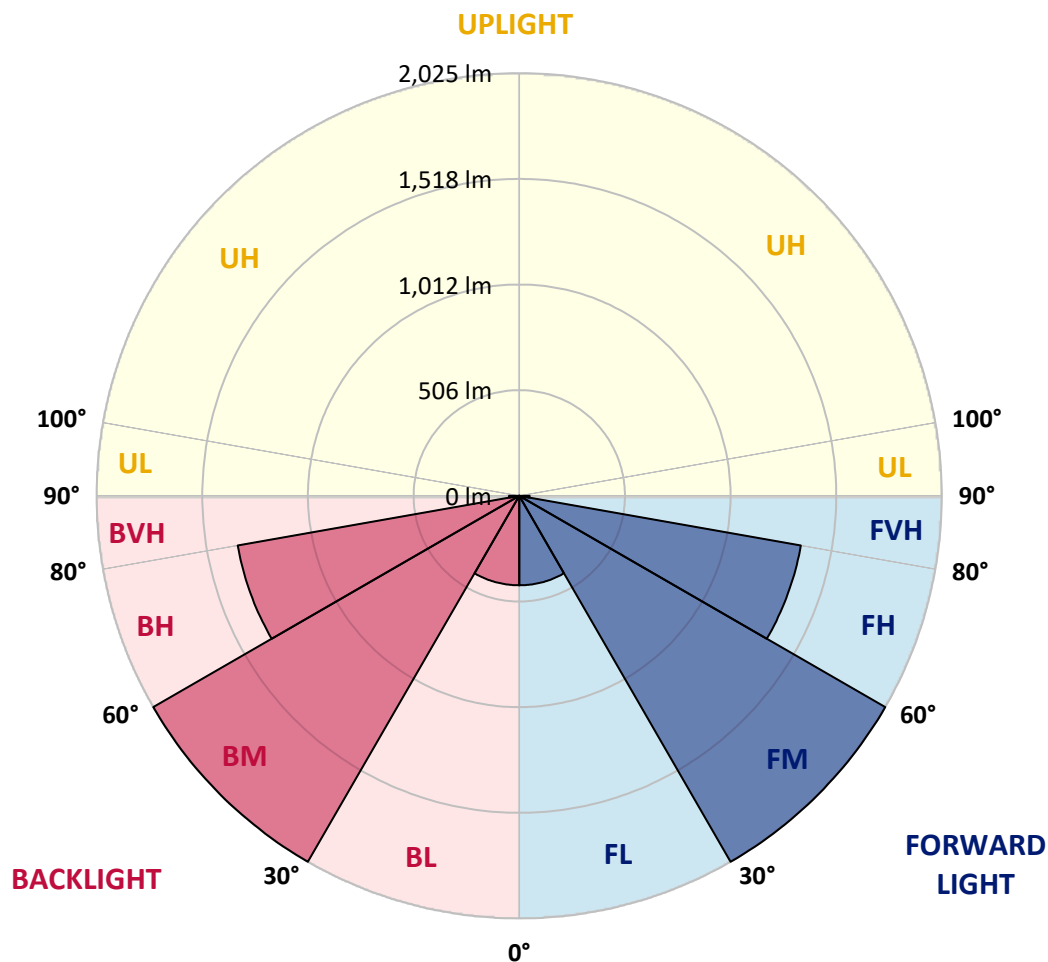
CATALOG NUMBER: GAN-SA2A-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	428.8	5.5			
FM	(30°-60°)	2024.7	26.1			
FH	(60°-80°)	1369.8	17.7			G1/1800
FVH	(80°-90°)	49.2	0.6			G1/100
BL	(0°-30°)	428.8	5.5	B1/500		
BM	(30°-60°)	2024.7	26.1	B2/2500		
BH	(60°-80°)	1369.8	17.7	B3/2500		G3/2500
BVH	(80°-90°)	49.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P317266

CATALOG NUMBER: GAN-SA2A-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	799.6	799.8	801.1	802.7	804.0	807.4	808.2	809.5	810.0	811.3	811.3
5°	792.6	793.1	796.2	800.4	805.0	813.3	819.3	826.1	829.4	833.1	832.8
7.5°	791.8	793.1	797.5	804.3	812.0	825.8	838.3	851.8	860.9	869.2	868.7
10°	799.8	801.9	808.2	818.3	830.0	847.1	865.5	883.7	899.6	912.3	912.8
12.5°	812.0	814.6	824.5	839.8	857.5	879.6	901.4	921.9	943.7	962.7	964.2
15°	828.2	831.5	846.3	869.2	896.2	922.4	945.8	966.8	992.0	1018.2	1020.8
17.5°	852.0	856.7	876.2	907.1	942.7	971.5	995.9	1011.8	1032.8	1059.8	1064.7
20°	888.4	894.4	919.0	955.9	999.3	1029.4	1048.1	1051.5	1061.9	1086.0	1091.7
22.5°	935.7	940.9	968.4	1012.3	1060.8	1093.6	1103.4	1089.9	1088.9	1108.4	1113.8
25°	988.4	993.1	1025.0	1074.3	1126.5	1162.6	1162.4	1136.1	1118.0	1133.0	1138.7
27.5°	1047.6	1054.9	1085.5	1137.4	1193.3	1228.9	1226.8	1186.3	1151.7	1155.6	1160.6
30°	1115.6	1123.7	1153.5	1206.3	1262.1	1296.9	1294.3	1240.8	1188.9	1178.5	1182.1
32.5°	1200.0	1209.6	1237.9	1289.9	1339.2	1370.6	1363.1	1300.0	1233.5	1210.9	1214.3
35°	1301.6	1307.3	1337.1	1388.3	1428.3	1449.8	1434.0	1368.6	1290.1	1262.9	1262.9
37.5°	1404.4	1408.8	1442.3	1491.9	1530.6	1542.0	1511.1	1443.6	1364.1	1325.5	1326.2
40°	1503.1	1515.0	1552.7	1603.6	1641.8	1644.9	1603.8	1529.3	1446.5	1406.5	1411.2
42.5°	1606.2	1617.9	1662.8	1720.4	1754.2	1759.4	1711.4	1625.4	1539.4	1507.0	1512.2
45°	1698.1	1707.5	1759.4	1826.4	1868.5	1882.0	1825.1	1735.5	1639.9	1608.3	1609.6
47.5°	1762.3	1774.5	1831.6	1910.5	1971.8	1992.6	1936.8	1842.8	1738.9	1700.4	1703.8
50°	1820.4	1826.9	1884.8	1971.0	2049.0	2091.8	2044.0	1948.7	1838.9	1798.1	1801.7
52.5°	1852.9	1861.2	1917.3	2007.1	2099.3	2168.4	2139.3	2044.0	1935.5	1895.7	1900.1
55°	1830.3	1836.5	1903.8	2015.2	2130.5	2215.7	2220.1	2137.2	2030.3	1995.5	2007.9
57.5°	1727.5	1735.2	1817.3	1963.3	2134.4	2247.6	2280.9	2223.7	2118.8	2090.5	2097.8
60°	1566.7	1571.6	1659.2	1823.3	2058.6	2260.9	2319.5	2294.4	2205.5	2177.2	2187.1
62.5°	1280.3	1287.5	1392.2	1612.2	1898.3	2221.6	2356.9	2352.8	2286.3	2260.3	2269.2
65°	875.2	887.9	1003.7	1281.8	1651.4	2101.7	2391.0	2420.8	2357.7	2325.0	2336.7
67.5°	528.5	537.8	621.7	846.3	1263.7	1859.6	2355.9	2498.2	2408.1	2355.4	2365.0
68°	472.4	480.9	551.1	763.7	1168.9	1791.3	2324.0	2507.0	2413.6	2354.9	2363.4
70°	285.4	291.1	338.1	472.1	779.3	1421.0	2106.1	2499.8	2448.4	2362.1	2367.1
72.5°	185.9	187.8	195.5	242.3	398.1	794.7	1580.7	2329.4	2500.6	2404.5	2403.7
75°	154.5	153.5	154.3	159.7	196.3	348.5	923.7	1840.2	2383.7	2337.7	2321.4
77.5°	130.6	129.8	129.6	129.8	131.4	168.3	401.0	1146.3	1824.1	2067.9	2082.5
80°	105.7	104.7	108.0	106.5	101.8	104.7	168.0	476.8	859.8	925.0	866.8
82.5°	76.9	73.0	87.5	83.4	79.5	73.8	92.7	154.0	205.2	140.8	98.9
85°	59.2	55.1	66.5	63.9	54.5	37.7	55.1	75.3	83.1	47.5	37.4
87.5°	24.2	25.4	48.0	37.9	31.9	18.2	22.6	30.1	40.5	20.3	15.6
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)