

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: P450699

Luminaire Tested: **GLAN-SA1C-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6467 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 57
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

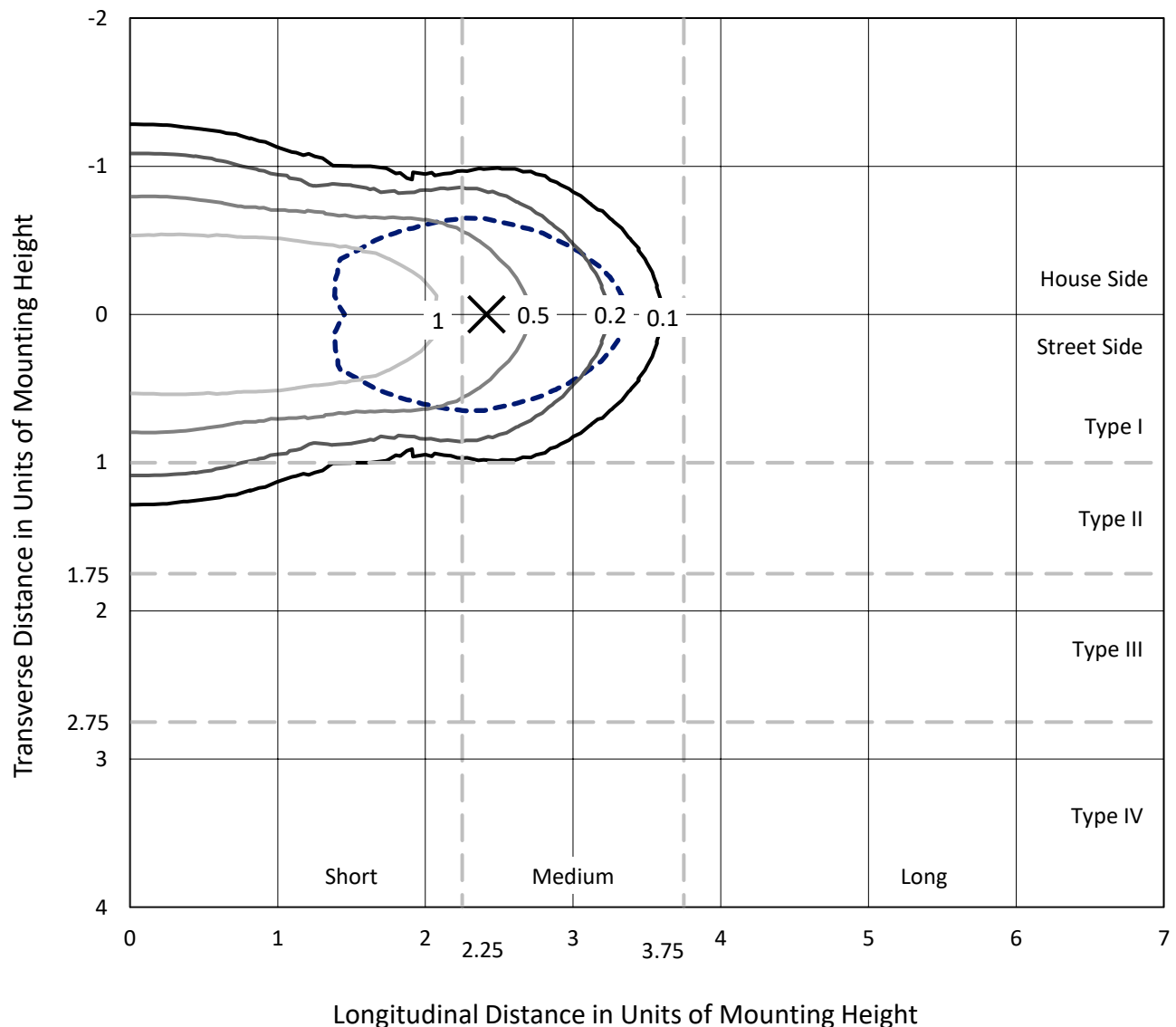


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

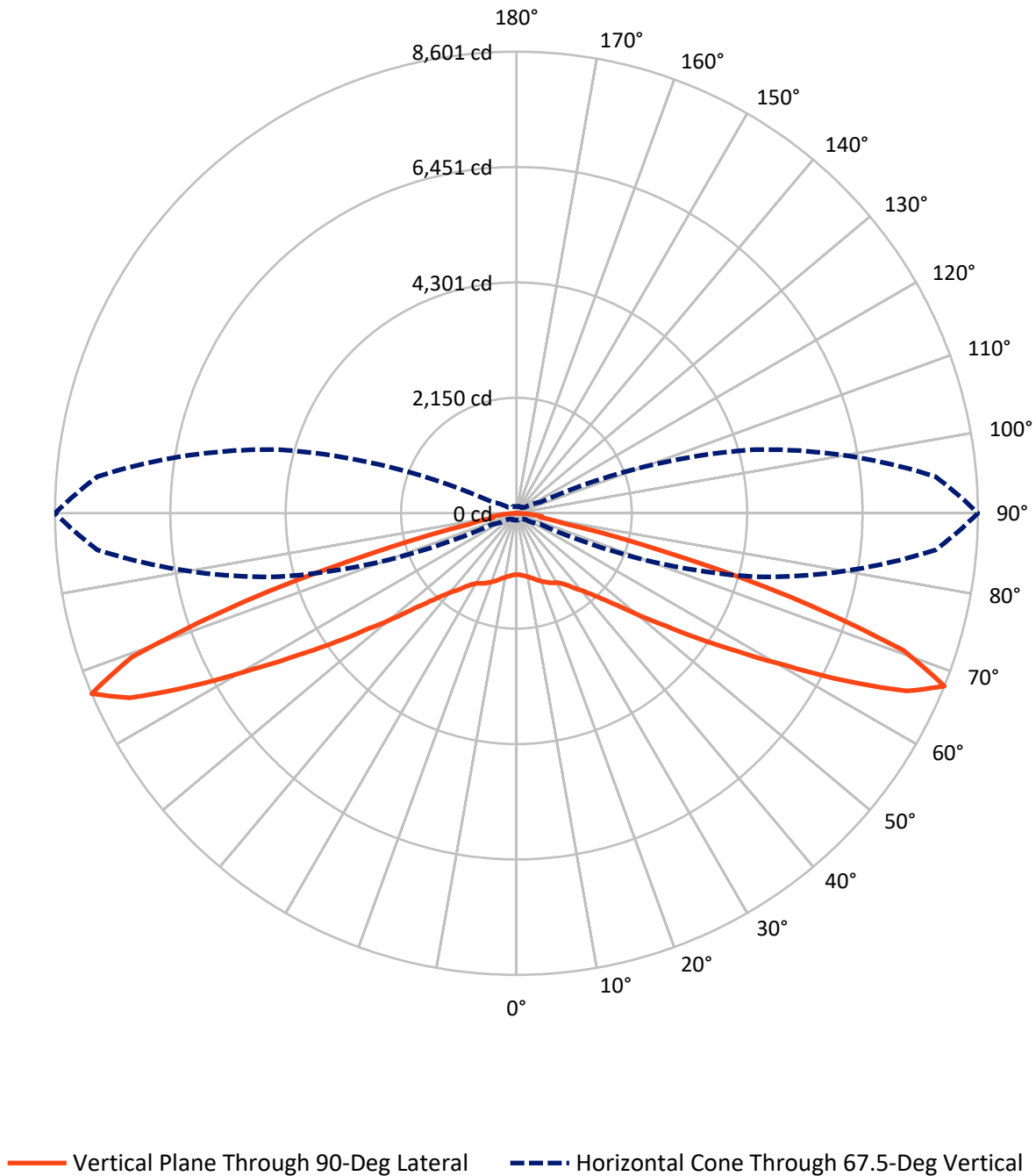


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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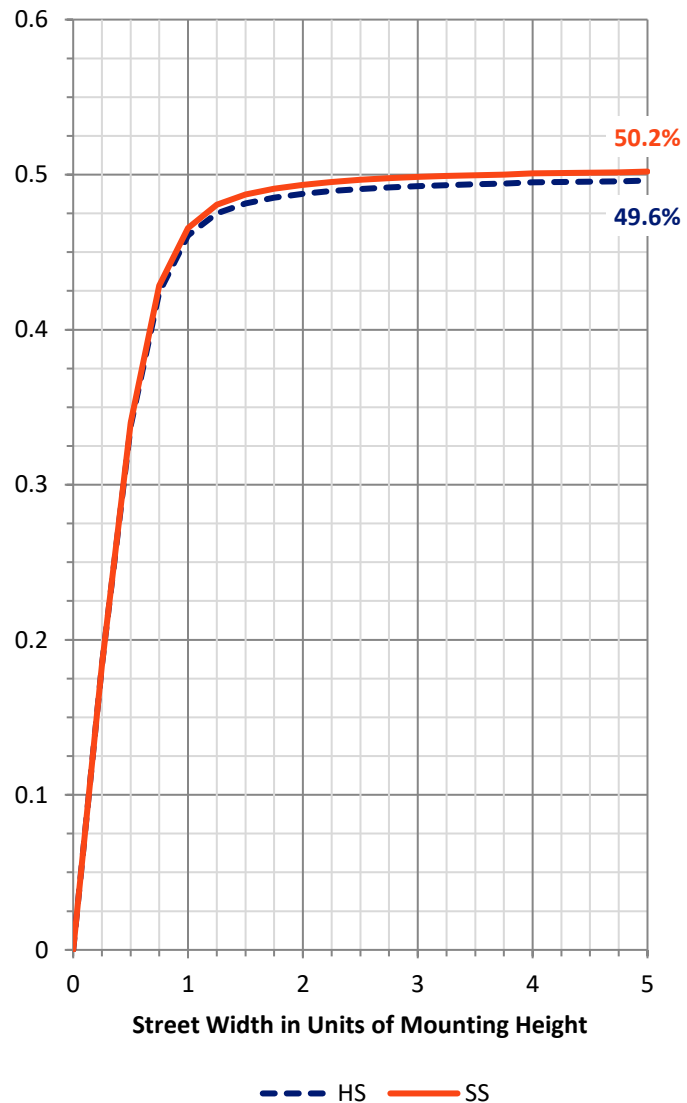
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3233.5	0.0	3233.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3233.5	0.0	3233.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6467.0	0.0	6467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	1.8
10°-20°	365.2	5.6
20°-30°	611.2	9.5
30°-40°	828.1	12.8
40°-50°	1048.9	16.2
50°-60°	1310.3	20.3
60°-70°	1540.2	23.8
70°-80°	589.2	9.1
80°-90°	59.7	0.9
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°	6467.0	100.0
0°-180°	6467.0	100.0

Coefficient of Utilization



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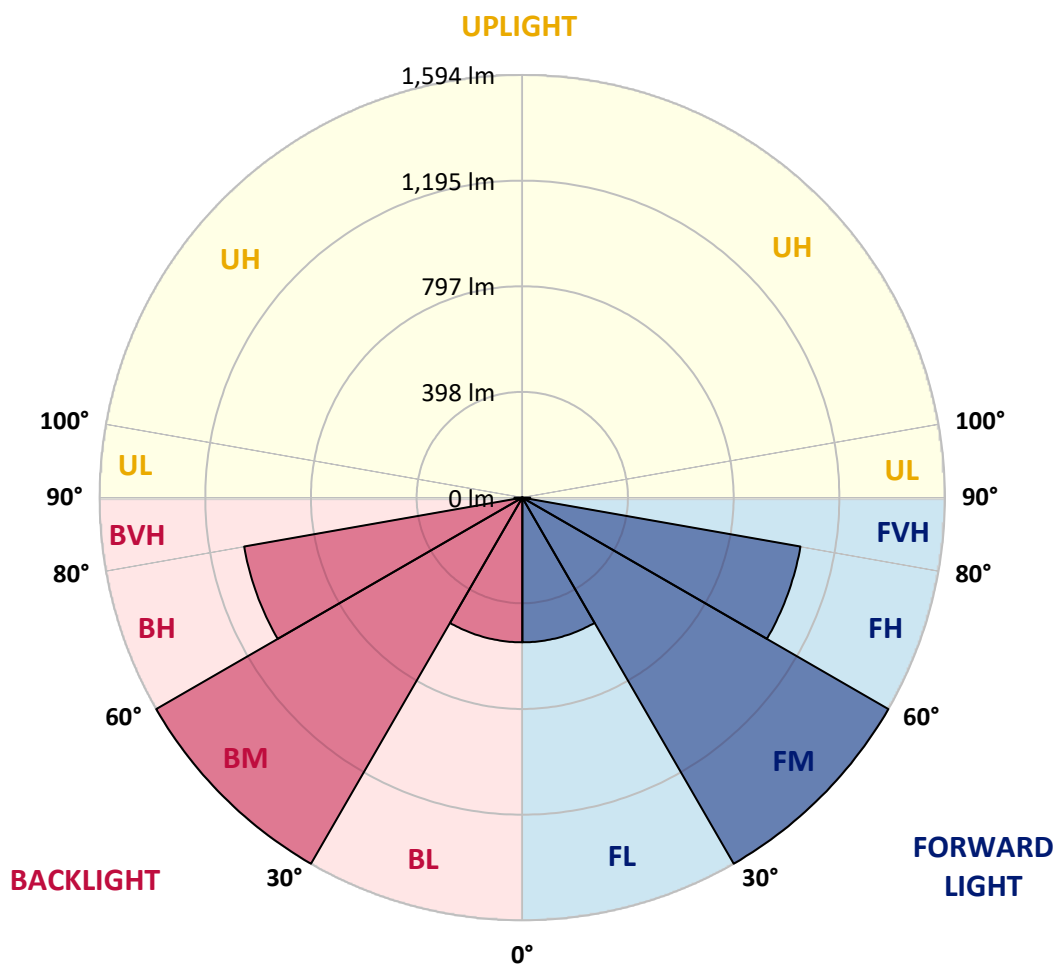
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	545.3	8.4			
FM	(30°-60°)	1593.6	24.6			
FH	(60°-80°)	1064.7	16.5			G1/1800
FVH	(80°-90°)	29.8	0.5			G1/100
BL	(0°-30°)	545.3	8.4	B2/1000		
BM	(30°-60°)	1593.6	24.6	B2/2500		
BH	(60°-80°)	1064.7	16.5	B3/2500		G3/2500
BVH	(80°-90°)	29.8	0.5			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1159.5	1158.8	1159.2	1158.8	1159.9	1159.2	1154.9	1151.3	1148.4	1148.8	1147.7
5°	1184.3	1184.6	1185.0	1183.2	1185.7	1184.3	1177.4	1171.7	1166.0	1163.8	1163.1
7.5°	1204.7	1206.5	1207.5	1209.3	1213.6	1213.6	1210.0	1201.8	1189.3	1182.1	1181.7
10°	1225.1	1226.5	1229.7	1235.5	1242.6	1249.4	1248.0	1236.9	1220.8	1208.6	1205.7
12.5°	1232.2	1234.0	1244.8	1261.2	1277.4	1290.6	1290.6	1281.7	1260.9	1242.3	1236.9
15°	1207.2	1210.4	1229.7	1264.8	1307.1	1336.1	1342.5	1330.0	1307.8	1279.1	1272.7
17.5°	1157.4	1165.3	1193.6	1245.5	1315.7	1375.8	1394.5	1388.4	1359.7	1323.2	1315.7
20°	1104.0	1112.6	1142.7	1211.5	1308.5	1399.1	1453.2	1454.6	1419.2	1366.2	1355.1
22.5°	1045.3	1051.8	1090.4	1171.0	1287.0	1404.5	1503.7	1528.4	1480.4	1409.1	1393.4
25°	979.4	986.6	1027.0	1114.1	1246.6	1398.4	1549.9	1604.3	1544.5	1455.0	1434.9
27.5°	916.4	919.3	962.6	1051.0	1193.2	1382.6	1583.9	1674.1	1615.4	1492.9	1467.5
30°	855.9	862.7	901.0	988.4	1132.0	1351.8	1613.3	1753.6	1691.7	1532.7	1500.1
32.5°	791.8	800.0	841.5	930.0	1070.7	1305.6	1631.2	1840.7	1798.0	1597.1	1562.4
35°	730.2	735.5	777.4	863.4	1010.9	1251.9	1634.4	1938.8	1935.2	1694.9	1648.7
37.5°	667.1	675.0	717.3	799.6	947.5	1195.0	1618.3	2043.0	2100.6	1830.6	1780.9
40°	606.6	613.4	655.0	738.1	875.6	1125.5	1580.0	2138.2	2293.7	1970.3	1899.7
42.5°	540.7	542.5	588.0	672.5	805.0	1044.9	1524.8	2223.1	2508.9	2157.6	2069.8
45°	465.9	470.5	512.8	595.9	724.1	954.7	1450.0	2293.3	2781.8	2417.2	2297.6
47.5°	391.1	395.0	433.7	515.7	635.6	851.2	1334.7	2354.9	3061.8	2747.0	2590.2
50°	318.0	320.1	351.7	424.4	536.1	742.4	1191.8	2374.6	3378.4	3214.0	3013.8
52.5°	251.4	254.6	278.6	335.5	429.7	613.8	1037.4	2325.9	3747.9	3767.6	3485.4
55°	203.8	204.8	222.7	264.6	335.9	479.1	851.2	2190.2	4145.4	4477.0	4117.1
57.5°	175.5	176.2	186.2	209.5	258.6	361.3	660.3	1933.4	4502.4	5308.2	4845.5
60°	159.4	159.7	165.4	179.1	204.8	277.2	473.1	1571.0	4854.8	6233.2	5750.8
62.5°	149.3	149.3	153.3	160.8	173.3	212.7	342.7	1133.4	5096.2	7171.8	6866.7
65°	139.7	139.7	142.5	147.9	154.7	174.0	253.2	739.1	5090.1	7855.4	7989.0
67.5°	128.6	128.6	130.7	136.1	140.0	149.7	195.5	484.2	4572.3	7840.3	8601.3
70°	115.3	115.3	118.2	122.8	126.1	132.1	154.3	331.2	3359.0	6694.4	7649.5
72.5°	102.1	102.4	104.2	108.9	111.4	115.0	128.2	232.1	2060.5	4558.3	5348.7
75°	87.4	88.1	89.9	94.5	96.7	98.1	108.1	165.4	1042.4	2457.7	2798.2
77.5°	70.5	72.0	73.1	78.1	79.5	81.6	89.2	119.6	457.7	883.1	891.0
80°	51.6	53.4	56.6	61.2	62.3	63.7	68.0	84.9	207.3	403.2	438.0
82.5°	38.0	40.5	36.5	42.6	42.6	40.8	48.0	56.9	95.3	399.3	477.7
85°	20.8	21.1	19.0	21.8	23.3	22.9	25.4	27.9	46.2	266.4	274.7
87.5°	5.0	5.4	5.7	6.8	8.2	8.2	9.0	7.9	15.0	86.3	49.4
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)