

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: P459657

Luminaire Tested: **GAN-SA9A-AMB-U-5WQ**

Issue Date: 1/6/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-79-08
Report Number: P459657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9A-AMB-U-5WQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(9) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9463 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

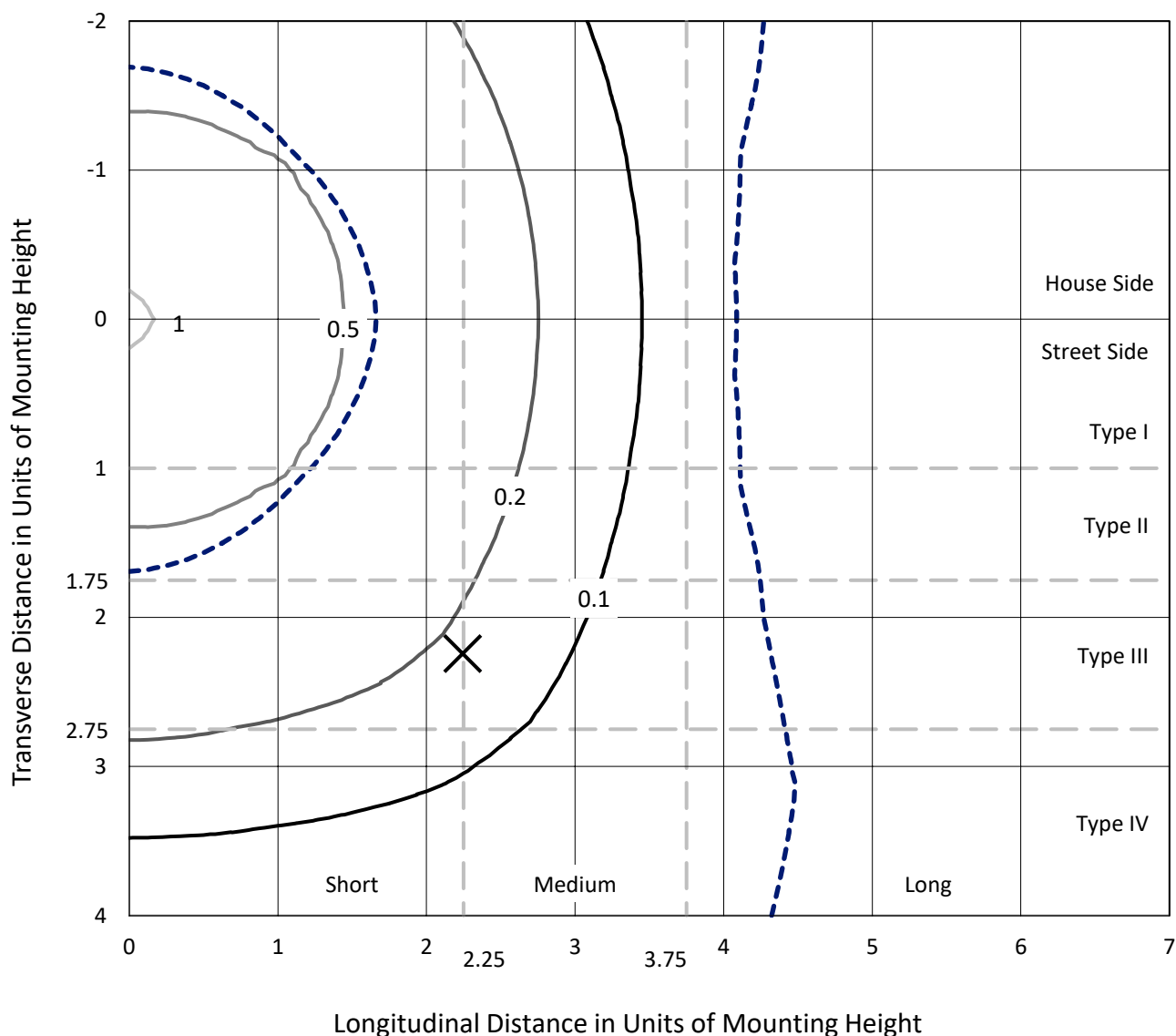
Input Watts (W): 178.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P459657
 CATALOG NUMBER: GAN-SA9A-AMB-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

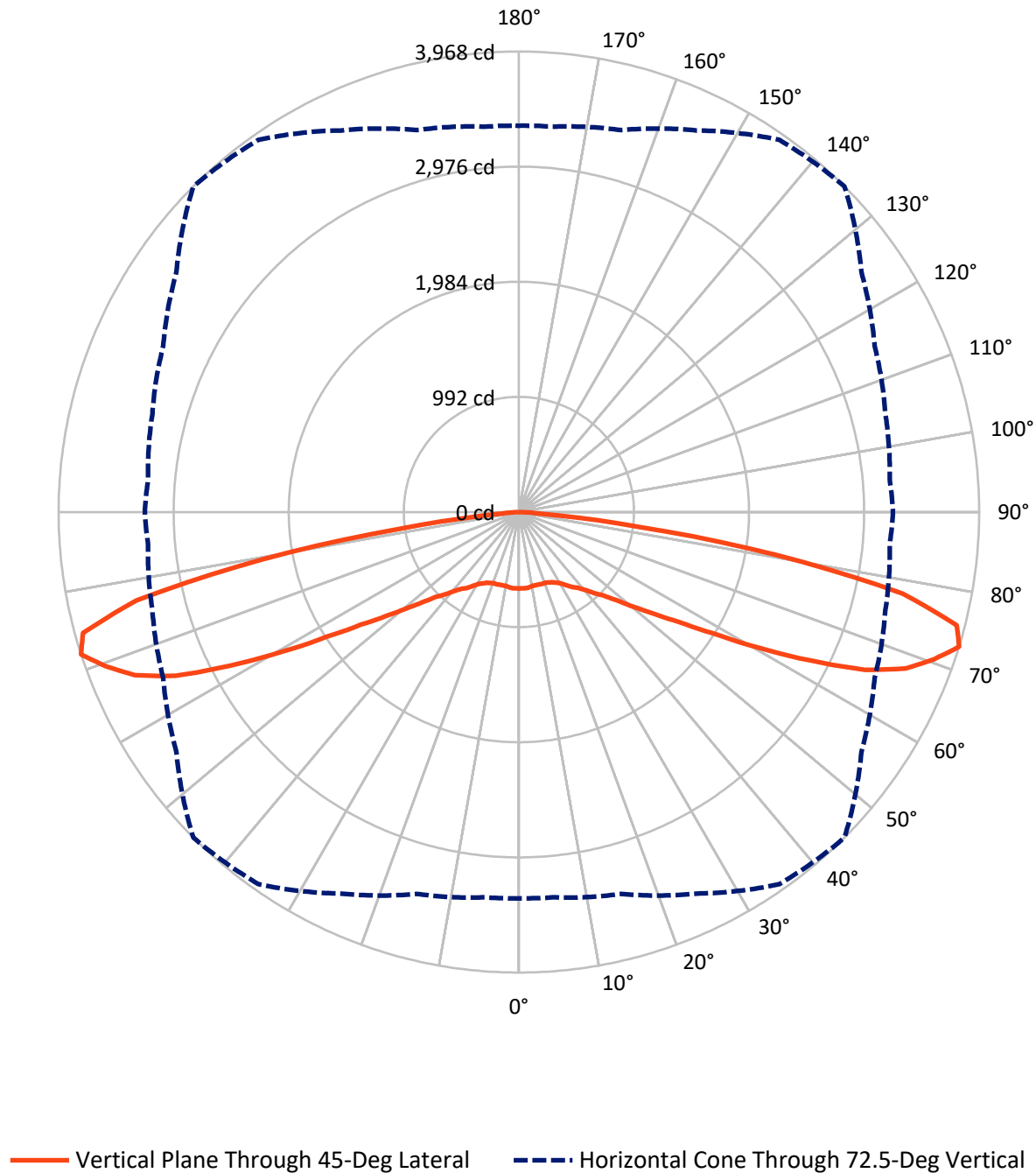
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P459657
CATALOG NUMBER: GAN-SA9A-AMB-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P459657

CATALOG NUMBER: GAN-SA9A-AMB-U-5WQ

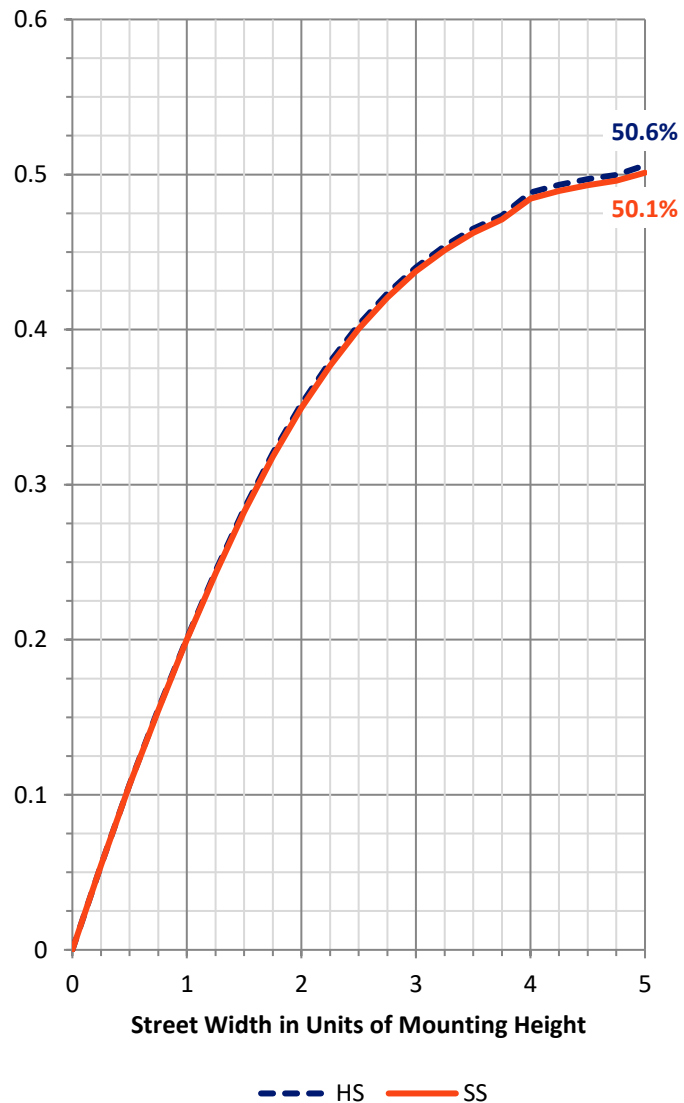
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4731.5	0.0	4731.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4731.5	0.0	4731.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9463.0	0.0	9463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	0.7
10°-20°	185.9	2.0
20°-30°	318.4	3.4
30°-40°	499.2	5.3
40°-50°	826.2	8.7
50°-60°	1523.4	16.1
60°-70°	2829.9	29.9
70°-80°	2946.6	31.1
80°-90°	270.8	2.9
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°	9463.0	100.0
0°-180°	9463.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459657

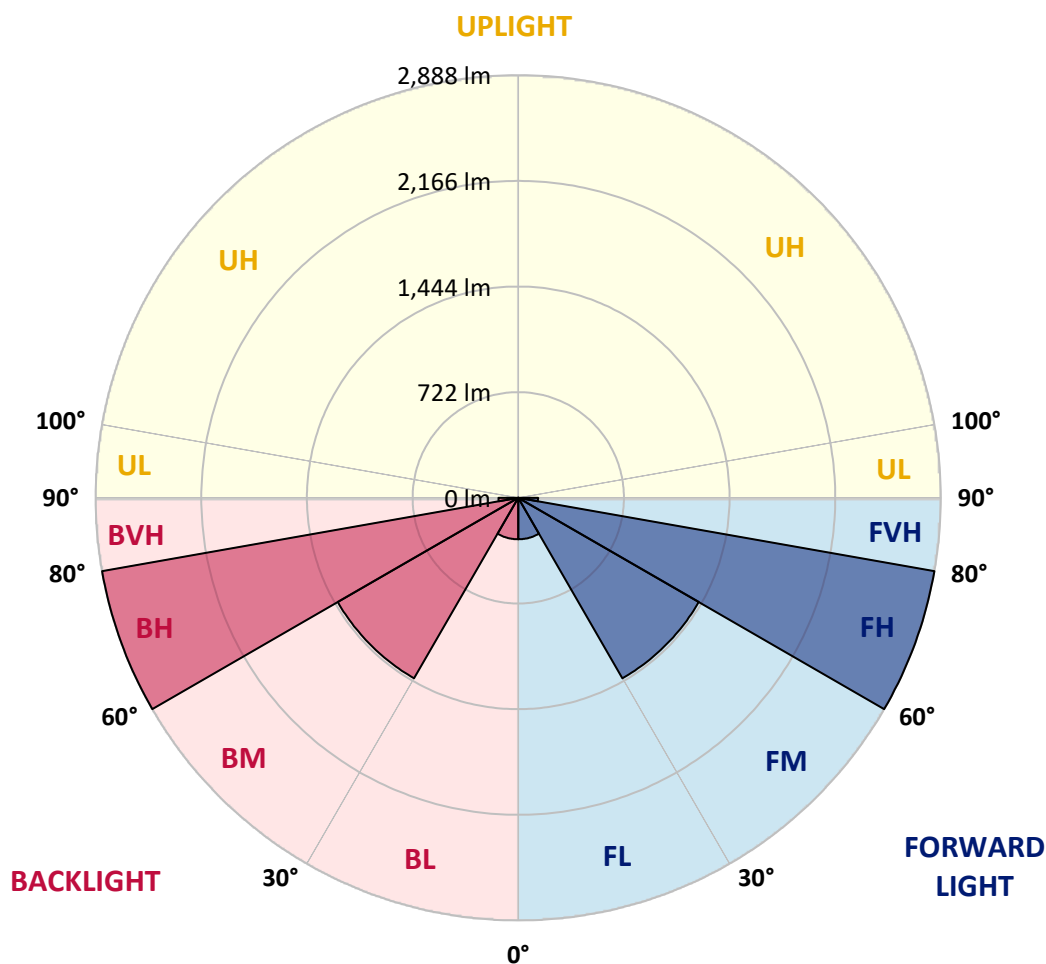
CATALOG NUMBER: GAN-SA9A-AMB-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.4	3.0			
FM	(30°-60°)	1424.4	15.1			
FH	(60°-80°)	2888.2	30.5			G2/5000
FVH	(80°-90°)	135.4	1.4			G2/225
BL	(0°-30°)	283.4	3.0	B1/500		
BM	(30°-60°)	1424.4	15.1	B2/2500		
BH	(60°-80°)	2888.2	30.5	B4/5000		G2/5000
BVH	(80°-90°)	135.4	1.4			G2/225
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



REPORT NUMBER: P459657

CATALOG NUMBER: GAN-SA9A-AMB-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7
2.5°	662.6	662.6	662.6	658.7	658.7	658.7	658.7	658.7	658.7	658.7	658.7
5°	662.6	662.6	662.6	662.6	658.7	658.7	658.7	654.8	654.8	654.8	658.7
7.5°	658.7	662.6	658.7	658.7	654.8	654.8	651.0	651.0	651.0	651.0	651.0
10°	662.6	662.6	658.7	654.8	651.0	647.1	647.1	647.1	647.1	651.0	651.0
12.5°	666.5	666.5	658.7	651.0	651.0	647.1	647.1	647.1	647.1	651.0	654.8
15°	670.3	670.3	662.6	651.0	651.0	647.1	647.1	647.1	654.8	658.7	662.6
17.5°	678.1	674.2	662.6	654.8	651.0	651.0	651.0	651.0	658.7	666.5	666.5
20°	678.1	678.1	666.5	654.8	654.8	651.0	654.8	654.8	662.6	670.3	674.2
22.5°	689.7	685.8	670.3	662.6	658.7	658.7	662.6	662.6	670.3	678.1	682.0
25°	701.3	701.3	685.8	674.2	670.3	670.3	674.2	674.2	682.0	693.6	697.5
27.5°	724.6	720.7	705.2	693.6	689.7	689.7	697.5	697.5	701.3	713.0	716.8
30°	743.9	743.9	728.5	724.6	716.8	713.0	720.7	728.5	728.5	736.2	740.1
32.5°	759.4	759.4	751.7	751.7	755.6	751.7	759.4	755.6	751.7	759.4	759.4
35°	786.6	786.6	778.8	774.9	790.4	794.3	790.4	778.8	778.8	786.6	790.4
37.5°	829.2	829.2	821.4	813.7	817.6	829.2	817.6	813.7	821.4	833.1	836.9
40°	891.2	895.1	887.3	883.4	871.8	883.4	871.8	879.6	891.2	898.9	898.9
42.5°	960.9	964.8	953.2	945.4	949.3	957.1	941.6	945.4	960.9	972.6	972.6
45°	1069.4	1065.6	1046.2	1034.6	1022.9	1026.8	1019.1	1038.4	1053.9	1073.3	1081.1
47.5°	1174.0	1170.2	1162.4	1150.8	1135.3	1139.2	1139.2	1154.7	1174.0	1193.4	1193.4
50°	1305.8	1305.8	1294.2	1286.4	1274.8	1282.5	1274.8	1294.2	1317.4	1332.9	1336.8
52.5°	1456.9	1453.0	1453.0	1449.2	1441.4	1456.9	1445.3	1468.5	1487.9	1491.8	1499.5
55°	1615.8	1627.4	1642.9	1642.9	1654.5	1670.0	1662.3	1666.1	1681.6	1666.1	1673.9
57.5°	1821.1	1832.7	1856.0	1887.0	1925.7	1968.4	1941.2	1921.9	1890.9	1867.6	1863.7
60°	2034.2	2045.9	2092.4	2185.4	2282.2	2375.2	2293.8	2204.7	2135.0	2076.9	2073.0
62.5°	2266.7	2286.1	2352.0	2491.5	2677.4	2816.9	2689.1	2514.7	2386.8	2297.7	2301.6
65°	2572.8	2584.4	2654.2	2816.9	3107.5	3278.0	3080.4	2847.9	2689.1	2588.3	2592.2
67.5°	3033.9	3026.2	3061.0	3216.0	3456.3	3595.8	3359.4	3169.5	3006.8	2890.6	2909.9
70°	3355.5	3351.6	3374.9	3537.6	3770.1	3797.2	3560.9	3347.8	3212.2	3142.4	3142.4
72.5°	3328.4	3332.3	3405.9	3626.8	3913.5	3967.7	3603.5	3382.6	3270.3	3208.3	3223.8
75°	2692.9	2700.7	2909.9	3312.9	3793.4	3898.0	3506.6	3134.7	2809.2	2630.9	2599.9
77.5°	1294.2	1305.8	1615.8	2282.2	3061.0	3382.6	3033.9	2251.2	1646.8	1336.8	1367.8
80°	391.3	403.0	534.7	937.7	1751.4	2259.0	1813.4	926.1	472.7	344.9	344.9
82.5°	85.2	104.6	124.0	205.4	604.5	1030.7	604.5	228.6	139.5	100.7	93.0
85°	46.5	46.5	69.7	73.6	96.9	170.5	116.2	93.0	81.4	54.2	54.2
87.5°	19.4	19.4	34.9	34.9	38.7	27.1	42.6	46.5	46.5	27.1	27.1
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)