

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P628981

Luminaire Tested: GWS-SA1A-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2313.8 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

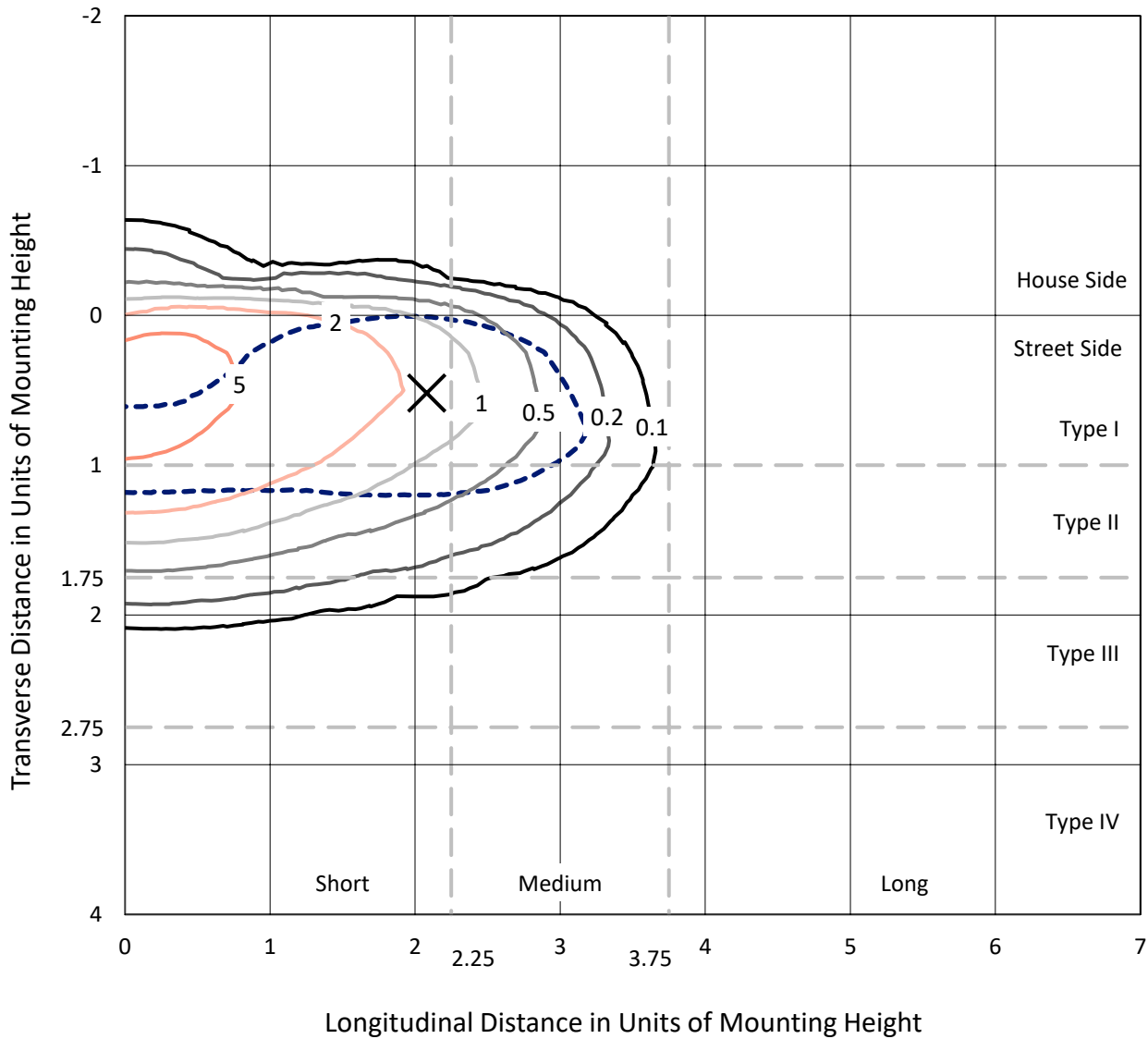
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

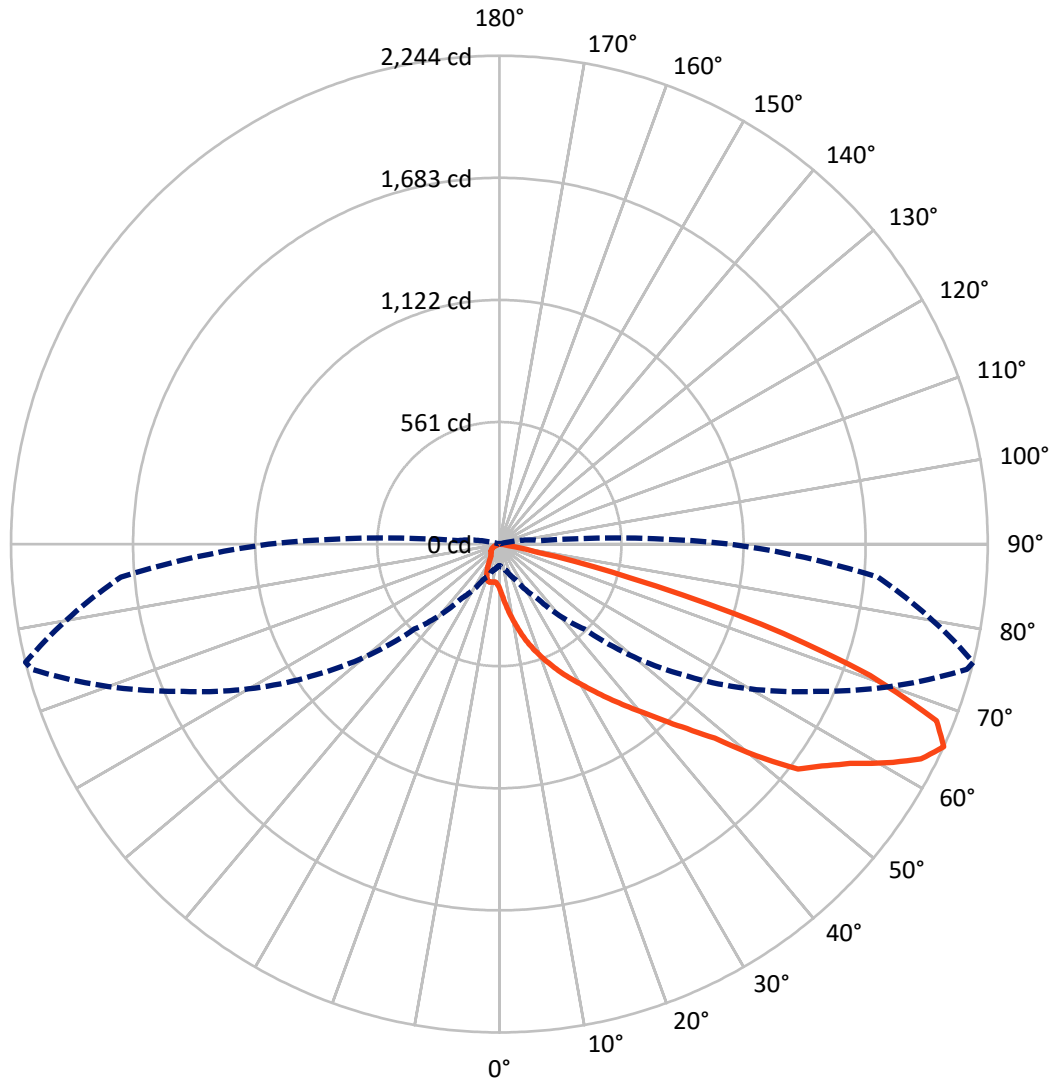
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	127.9	0.0	127.9
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2185.9	0.0	2185.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	2313.8	0.0	2313.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	1.1
10°-20°	94.6	4.1
20°-30°	192.9	8.3
30°-40°	343.1	14.8
40°-50°	507.2	21.9
50°-60°	580.7	25.1
60°-70°	443.1	19.1
70°-80°	124.1	5.4
80°-90°	3.1	0.1
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°	2313.8	100.0
0°-180°	2313.8	100.0

Coefficient of Utilization



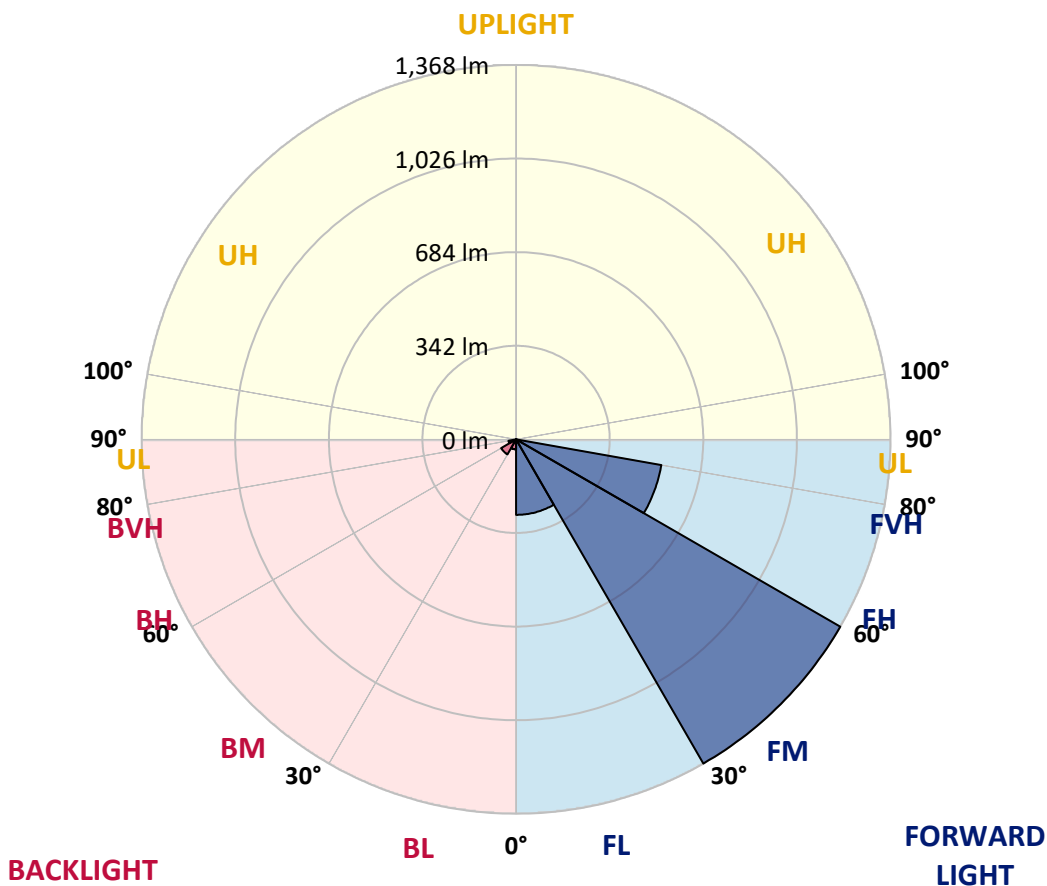
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.9	11.9			
FM (30°-60°)	1368.0	59.1			
FH (60°-80°)	539.1	23.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	36.5	1.6	B0/110		
BM (30°-60°)	63.1	2.7	B0/220		
BH (60°-80°)	28.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9
2.5°	315.7	320.4	316.7	310.6	298.6	287.1	272.3	252.0	235.7	233.7	218.4
5°	426.4	426.0	417.9	409.9	397.4	377.6	347.8	310.0	273.6	270.5	236.3
7.5°	492.2	492.8	488.3	482.1	469.8	449.4	418.3	372.7	319.4	313.2	260.8
10°	547.5	547.3	544.0	541.1	530.0	516.5	483.1	433.0	368.8	359.1	288.2
12.5°	589.1	590.5	592.1	595.0	590.3	576.9	545.5	490.7	418.8	408.1	319.4
15°	622.0	622.4	628.6	639.7	643.6	636.6	608.0	546.7	468.1	458.9	355.4
17.5°	631.8	632.7	643.2	663.5	684.1	688.0	666.4	603.0	516.7	506.8	390.4
20°	652.6	654.5	662.3	680.2	706.1	727.1	718.6	660.0	565.2	552.2	426.2
22.5°	718.0	719.1	716.4	718.6	732.0	756.3	761.4	715.1	615.0	601.2	464.8
25°	830.5	830.9	812.2	794.5	784.5	789.0	800.3	765.9	664.3	650.8	500.8
27.5°	947.4	948.8	926.4	896.3	860.4	839.8	836.5	812.4	714.1	699.1	536.4
30°	1057.4	1057.4	1033.7	997.1	949.0	908.9	885.2	859.3	767.4	750.9	572.8
32.5°	1156.3	1155.5	1125.3	1085.6	1038.1	994.0	944.3	908.3	826.6	808.3	614.8
35°	1238.0	1235.9	1201.6	1163.5	1112.7	1080.0	1024.5	960.9	890.8	872.5	658.0
37.5°	1299.7	1297.4	1266.0	1225.6	1178.5	1157.4	1110.9	1024.1	958.5	941.8	705.9
40°	1333.2	1328.7	1306.9	1276.9	1237.4	1218.9	1199.5	1102.4	1038.1	1017.3	762.4
42.5°	1343.1	1337.7	1323.3	1309.3	1285.5	1270.9	1291.7	1190.9	1125.5	1107.6	827.0
45°	1313.9	1310.8	1309.6	1319.6	1324.0	1328.1	1379.3	1288.8	1221.9	1208.4	908.3
47.5°	1243.5	1242.7	1253.6	1295.6	1341.2	1384.6	1474.5	1409.5	1347.0	1332.4	1021.8
50°	1113.5	1122.0	1152.4	1226.0	1317.4	1416.7	1563.6	1576.9	1549.4	1528.0	1169.9
52.5°	910.3	926.6	994.9	1106.8	1238.0	1407.7	1604.7	1711.0	1739.2	1717.0	1276.0
55°	714.3	729.5	790.4	932.3	1107.4	1338.8	1606.6	1757.3	1818.8	1798.2	1347.8
57.5°	532.1	546.1	601.4	737.2	929.7	1203.2	1562.5	1783.0	1913.2	1900.1	1461.1
60°	347.8	361.6	411.6	530.2	721.1	1005.8	1454.1	1777.7	2041.8	2040.5	1600.4
62.5°	192.9	203.8	240.0	332.6	503.3	778.9	1283.8	1724.0	2166.2	2174.0	1715.2
65°	98.7	105.7	127.7	182.8	304.6	552.2	1059.9	1601.0	2223.8	2243.5	1745.4
67.5°	64.6	66.8	72.2	95.0	163.1	347.4	797.6	1403.8	2142.8	2165.8	1644.0
70°	52.4	54.3	57.4	63.3	84.1	184.5	523.9	1121.2	1790.4	1806.1	1309.1
72.5°	38.5	40.9	46.9	50.8	60.7	101.2	272.5	735.9	1229.5	1257.1	822.7
75°	28.4	29.8	34.8	40.1	49.6	64.0	104.3	386.9	634.9	618.9	345.5
77.5°	17.1	18.1	22.2	25.7	35.4	39.9	36.4	142.9	193.1	181.6	83.5
80°	8.4	9.5	14.6	19.3	22.6	16.0	15.2	39.9	43.0	43.0	21.0
82.5°	2.9	3.7	7.8	12.8	11.1	6.2	7.2	10.3	11.5	12.1	6.2
85°	0.0	0.0	1.9	3.7	1.6	0.8	1.9	2.3	2.9	3.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9
2.5°	210.2	200.5	185.9	172.8	162.7	153.2	146.0	140.3	139.2	136.0	136.4
5°	219.7	202.2	175.2	154.5	139.9	130.0	121.8	115.6	112.9	110.2	108.2
7.5°	234.3	209.0	171.1	145.8	128.8	113.5	100.8	90.5	85.6	82.5	80.4
10°	252.2	218.4	171.3	140.7	115.4	92.1	74.7	63.3	58.0	56.4	56.2
12.5°	273.6	230.4	173.0	132.3	96.1	68.5	55.3	50.2	48.5	47.1	47.1
15°	296.2	243.7	173.0	116.8	73.2	53.5	47.9	44.6	42.6	41.8	41.3
17.5°	320.0	256.3	168.9	95.6	56.2	47.1	42.6	39.5	37.8	36.6	36.2
20°	345.5	268.2	158.6	73.2	48.1	42.2	37.8	34.8	33.1	31.9	31.9
22.5°	371.5	279.3	141.9	56.4	42.6	37.4	33.3	30.4	28.8	27.6	27.6
25°	395.5	286.7	120.5	46.5	38.5	33.3	29.6	26.7	24.9	24.1	23.7
27.5°	417.9	291.4	96.9	40.9	34.6	29.8	25.9	23.2	21.8	21.2	20.8
30°	441.2	292.7	74.0	37.2	31.3	26.3	22.6	20.6	19.3	18.5	18.5
32.5°	463.8	291.2	56.6	34.1	28.4	23.2	20.2	18.3	17.3	16.7	16.5
35°	486.8	284.7	45.9	31.5	25.5	20.4	17.9	16.5	15.8	15.0	15.0
37.5°	511.9	275.8	39.9	28.8	22.6	18.3	16.0	15.0	14.2	13.6	13.4
40°	543.2	265.5	36.6	26.5	20.0	16.5	14.4	13.4	12.8	12.1	11.9
42.5°	580.2	255.5	35.0	24.1	17.9	14.6	13.0	11.7	11.1	10.3	10.1
45°	632.7	253.2	33.1	21.4	16.0	13.2	11.3	10.1	9.3	8.6	8.4
47.5°	717.0	259.6	30.0	18.5	14.2	11.5	9.7	8.6	7.6	7.0	6.6
50°	800.7	257.9	26.9	16.0	12.5	9.9	8.2	7.2	6.2	5.6	5.3
52.5°	846.4	250.1	24.1	14.2	10.9	8.4	7.0	5.8	5.1	4.5	4.3
55°	887.7	247.0	21.2	12.3	9.3	7.4	5.8	4.7	4.3	3.7	3.5
57.5°	968.7	254.2	18.7	10.7	8.0	6.4	4.9	3.9	3.5	2.9	2.7
60°	1053.5	255.0	16.0	9.3	7.0	5.3	3.9	3.1	2.7	2.1	1.9
62.5°	1097.7	234.3	13.2	7.8	5.8	4.5	3.3	2.5	2.1	1.2	1.2
65°	1060.7	189.4	11.1	6.4	4.5	3.5	2.5	1.9	1.2	0.6	0.2
67.5°	938.7	134.7	9.3	5.1	3.3	2.5	1.9	1.2	0.2	0.0	0.0
70°	687.4	76.9	7.2	3.7	2.5	1.6	1.2	0.6	0.0	0.0	0.0
72.5°	422.5	41.1	5.3	2.5	1.9	1.2	1.0	0.4	0.0	0.0	0.0
75°	160.2	19.7	3.3	1.6	1.4	1.0	0.6	0.2	0.0	0.0	0.0
77.5°	43.4	9.7	1.9	1.2	1.0	0.6	0.4	0.0	0.0	0.0	0.0
80°	11.3	4.5	1.2	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.9	2.1	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0
85°	1.6	0.8	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
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)