

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: P628935

Luminaire Tested: GWS-SA1A-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2957.2 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

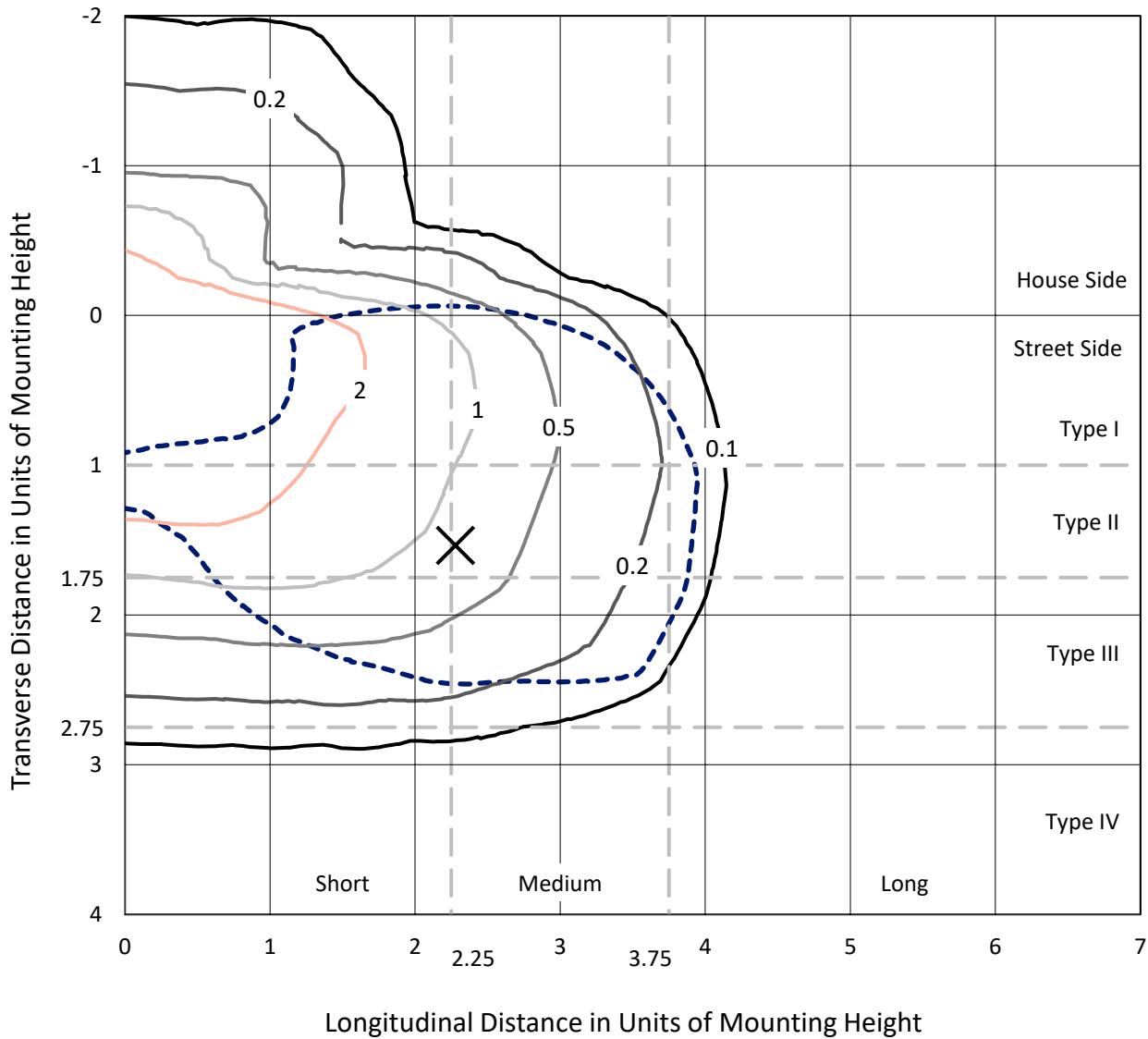
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

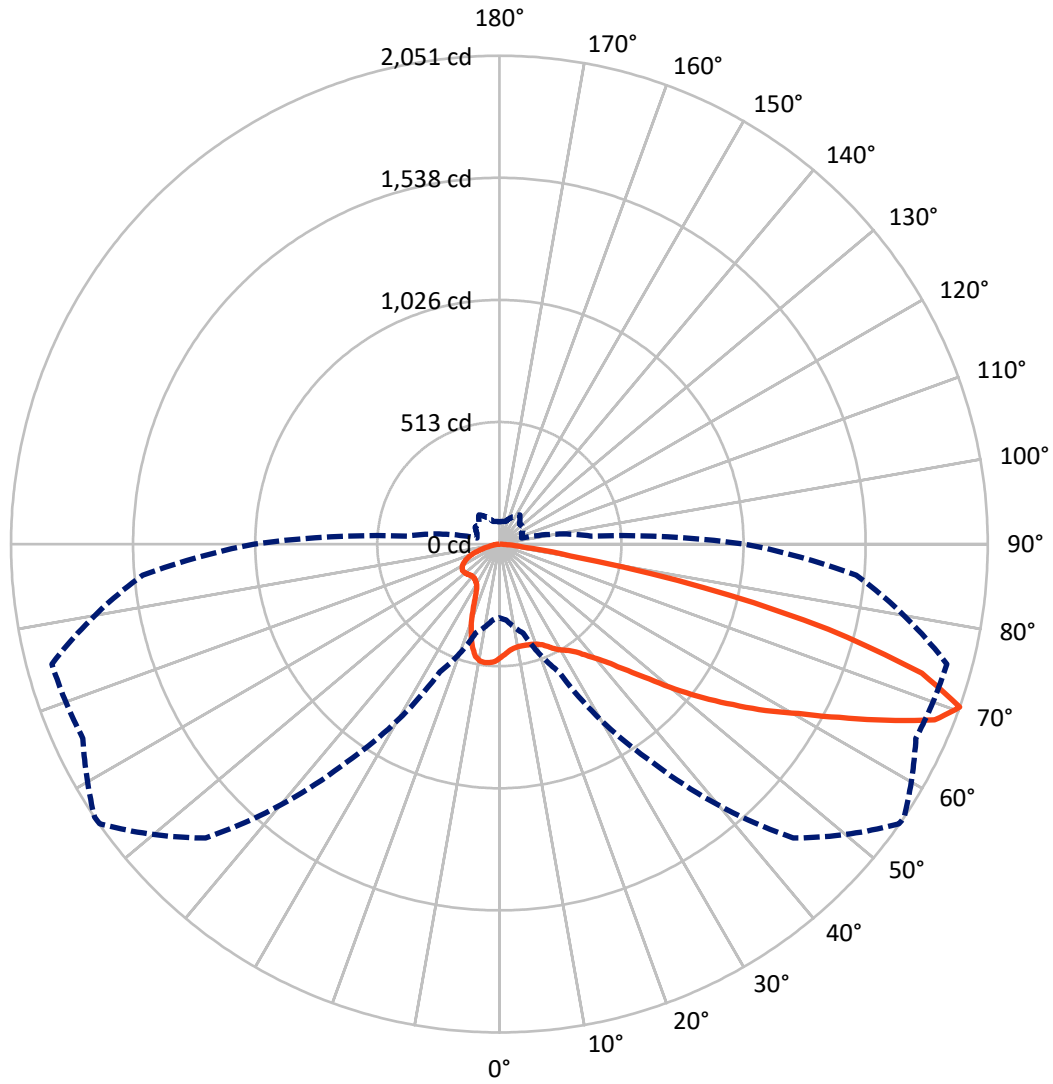
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	568.5	0.0	568.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2388.7	0.0	2388.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	2957.2	0.0	2957.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.5
10°-20°	119.7	4.0
20°-30°	197.9	6.7
30°-40°	295.9	10.0
40°-50°	440.3	14.9
50°-60°	625.9	21.2
60°-70°	775.2	26.2
70°-80°	428.1	14.5
80°-90°	30.1	1.0
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°	2957.2	100.0
0°-180°	2957.2	100.0

Coefficient of Utilization



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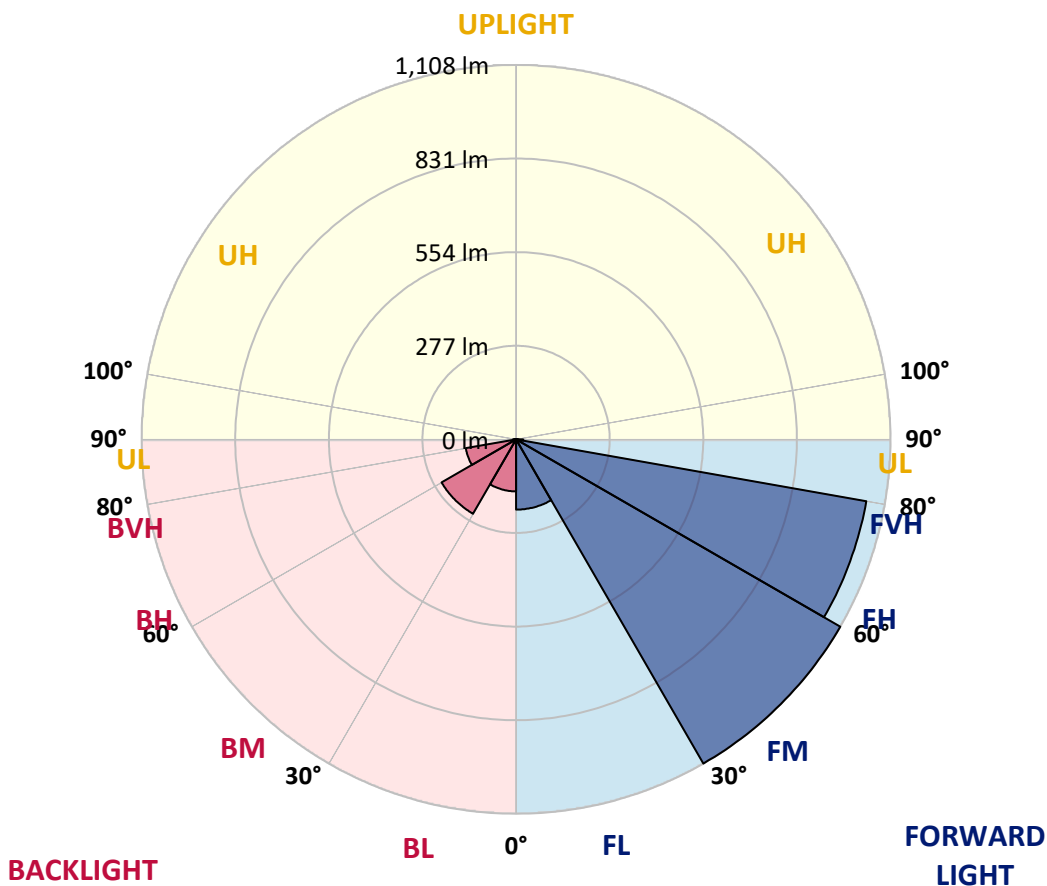
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.8	7.0			
FM (30°-60°)	1107.7	37.5			
FH (60°-80°)	1052.2	35.6			G1/1800
FVH (80°-90°)	20.9	0.7			G1/100
BL (0°-30°)	153.9	5.2	B1/500		
BM (30°-60°)	254.3	8.6	B1/1000		
BH (60°-80°)	151.1	5.1	B1/500		G1/500
BVH (80°-90°)	9.2	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3
2.5°	446.7	444.2	447.1	448.6	452.3	457.7	462.5	462.7	465.2	471.3	477.1
5°	426.5	425.2	426.0	430.4	434.4	441.3	448.6	449.2	456.3	468.2	479.8
7.5°	410.8	409.1	412.3	417.9	422.9	430.6	440.2	441.1	451.1	469.0	486.9
10°	388.3	387.0	392.9	400.4	411.2	424.0	436.7	437.7	450.9	474.4	499.4
12.5°	378.5	378.5	381.0	388.1	400.0	416.9	436.0	437.7	454.2	482.8	515.5
15°	393.7	394.8	392.7	392.3	397.1	413.1	436.9	439.4	460.4	491.3	531.3
17.5°	424.4	425.4	420.0	411.4	406.6	416.7	440.0	442.7	467.1	500.7	548.4
20°	467.3	468.6	456.7	443.6	427.1	426.9	446.1	448.6	475.7	510.9	566.6
22.5°	517.6	518.4	503.4	482.6	457.3	445.8	456.5	459.0	486.7	525.1	586.2
25°	575.8	578.3	560.1	529.9	495.7	471.9	473.8	476.7	506.5	544.1	609.3
27.5°	637.9	641.0	620.2	586.8	539.7	500.7	496.1	498.6	527.6	555.7	621.6
30°	701.5	703.8	683.0	644.8	587.0	533.2	514.9	516.3	536.8	561.4	634.2
32.5°	772.2	770.3	750.3	706.3	641.7	572.2	532.4	532.0	547.0	572.6	652.1
35°	838.5	841.2	820.0	771.4	701.7	620.4	558.7	557.0	568.7	591.0	677.3
37.5°	918.8	918.0	892.5	840.0	762.0	666.5	595.6	592.7	596.8	619.6	712.6
40°	976.2	982.0	965.5	916.5	832.5	723.2	638.7	632.3	633.3	654.8	759.7
42.5°	1023.1	1028.5	1030.2	998.9	913.2	793.3	692.5	686.1	686.7	717.2	817.7
45°	1059.2	1066.5	1090.0	1080.8	1004.1	874.2	765.3	758.7	759.1	792.9	887.7
47.5°	1074.0	1081.9	1129.6	1151.5	1100.6	970.9	855.8	846.0	847.5	884.8	967.8
50°	1069.2	1079.8	1144.4	1206.0	1181.6	1069.4	964.1	957.2	951.5	1005.8	1054.8
52.5°	1027.9	1039.5	1143.0	1240.6	1247.7	1162.4	1075.8	1071.9	1070.6	1134.2	1151.9
55°	906.3	925.9	1092.7	1249.8	1299.4	1250.0	1197.0	1190.3	1196.8	1271.9	1250.2
57.5°	838.9	853.5	994.3	1239.5	1341.7	1333.4	1317.9	1318.6	1325.9	1421.4	1369.2
60°	800.6	817.7	939.7	1211.6	1382.4	1434.7	1444.5	1444.5	1457.7	1582.6	1490.2
62.5°	749.7	767.0	888.6	1157.8	1419.9	1554.0	1603.6	1603.0	1608.2	1755.5	1608.4
65°	646.5	662.5	786.0	1072.9	1438.3	1685.4	1784.4	1782.6	1772.1	1909.4	1686.6
67.5°	469.4	484.6	602.0	911.5	1372.2	1791.3	1970.7	1971.5	1909.1	2006.3	1690.8
70°	309.5	319.9	387.0	592.0	1115.9	1745.6	2048.7	2051.2	1930.2	1945.8	1504.8
72.5°	193.1	200.4	241.7	353.1	659.4	1381.8	1848.5	1855.3	1736.5	1710.0	1236.4
75°	128.2	133.3	160.8	205.8	305.1	747.8	1405.1	1427.2	1391.8	1340.5	861.5
77.5°	77.2	81.3	102.4	130.8	135.1	292.2	820.2	877.3	882.3	699.8	360.8
80°	35.2	40.0	56.5	74.7	71.9	101.8	289.2	302.6	357.0	222.3	113.9
82.5°	20.9	22.9	37.5	37.1	30.7	49.4	104.1	106.8	90.7	81.3	48.6
85°	8.3	9.8	15.8	14.0	11.3	16.1	39.2	41.1	39.4	35.5	17.9
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	3.5	3.8	5.4	9.8	5.4
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°	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3	477.3
2.5°	480.9	479.6	485.9	490.7	492.8	494.9	493.0	492.4	492.4	488.2	486.1
5°	486.1	486.7	495.3	499.2	499.2	497.6	492.6	489.0	487.8	482.3	480.9
7.5°	495.9	498.6	506.5	506.3	500.5	491.3	478.8	469.2	460.4	456.7	454.4
10°	512.0	515.5	520.9	512.2	495.9	471.7	445.2	424.4	411.9	401.8	401.8
12.5°	530.3	533.6	532.6	512.4	478.8	433.5	395.4	371.4	353.9	344.7	344.7
15°	548.7	551.4	540.1	502.8	443.1	382.9	341.2	312.4	297.2	288.6	288.6
17.5°	567.2	567.0	543.2	480.7	396.6	326.8	285.9	263.6	258.4	256.9	256.7
20°	585.2	580.4	539.3	443.8	342.6	270.3	244.4	245.9	253.6	256.9	257.3
22.5°	605.4	593.5	527.6	396.6	281.3	231.1	232.7	244.8	256.1	261.1	261.7
25°	626.0	604.8	508.0	341.4	230.0	216.7	229.6	243.2	255.9	262.3	263.0
27.5°	634.4	604.8	474.6	277.4	202.7	210.6	224.8	237.9	251.3	258.8	260.3
30°	641.2	599.5	427.9	219.6	191.4	204.8	217.1	229.2	242.3	251.5	253.2
32.5°	650.8	595.0	371.4	184.6	186.2	199.2	207.7	217.9	229.8	235.9	235.2
35°	662.1	587.9	303.2	167.9	181.8	194.4	200.4	206.5	201.0	200.8	201.4
37.5°	678.2	581.6	243.8	160.4	178.9	191.0	196.0	183.1	175.6	172.5	171.2
40°	701.3	579.1	192.3	156.0	178.5	190.8	187.3	167.2	157.0	146.2	146.0
42.5°	730.5	577.2	158.9	153.9	180.0	195.6	175.2	156.8	135.8	131.0	130.5
45°	768.0	574.3	142.2	153.5	183.5	199.4	173.9	142.4	128.0	126.0	126.0
47.5°	813.3	569.7	134.7	153.5	187.5	197.7	170.2	139.3	124.5	126.8	128.2
50°	865.2	563.9	130.8	153.1	191.4	197.7	162.2	138.7	123.7	135.5	140.3
52.5°	920.7	557.2	128.0	151.4	194.1	197.9	162.7	140.8	124.5	137.6	141.6
55°	982.0	556.2	124.3	147.9	195.0	192.5	163.7	145.3	125.7	124.7	124.9
57.5°	1059.4	568.7	121.6	142.6	191.6	181.4	165.8	148.7	124.3	124.5	126.0
60°	1140.3	592.2	123.9	137.6	184.8	171.0	167.2	147.0	117.2	113.9	114.3
62.5°	1209.1	610.2	125.7	135.3	174.8	161.8	165.8	143.3	113.2	112.4	114.3
65°	1237.9	595.4	121.2	130.5	160.2	150.6	162.7	138.5	109.9	106.8	107.0
67.5°	1206.0	525.9	112.2	119.9	143.7	136.2	157.7	132.2	105.3	101.6	100.7
70°	1030.2	386.4	96.8	103.0	123.7	119.3	149.9	124.1	98.0	95.3	93.4
72.5°	830.2	273.6	80.3	82.0	97.0	100.5	136.6	113.9	89.7	82.0	79.2
75°	577.9	171.8	66.9	65.3	70.1	76.7	106.6	94.5	77.4	69.2	66.7
77.5°	248.6	88.2	52.3	51.5	46.7	53.2	81.7	78.8	64.9	55.5	54.0
80°	83.2	51.1	37.7	36.3	31.1	37.3	57.6	63.0	50.9	41.1	38.6
82.5°	41.7	29.6	24.0	21.7	20.9	23.6	34.0	39.2	35.2	28.4	24.0
85°	20.4	16.9	13.1	12.9	10.8	10.2	14.2	16.7	15.8	11.7	11.1
87.5°	7.5	6.7	4.2	3.3	2.1	1.5	0.8	0.8	0.6	0.6	0.6
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)