

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: P629304

Luminaire Tested: GWS-SA1B-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3528.4 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

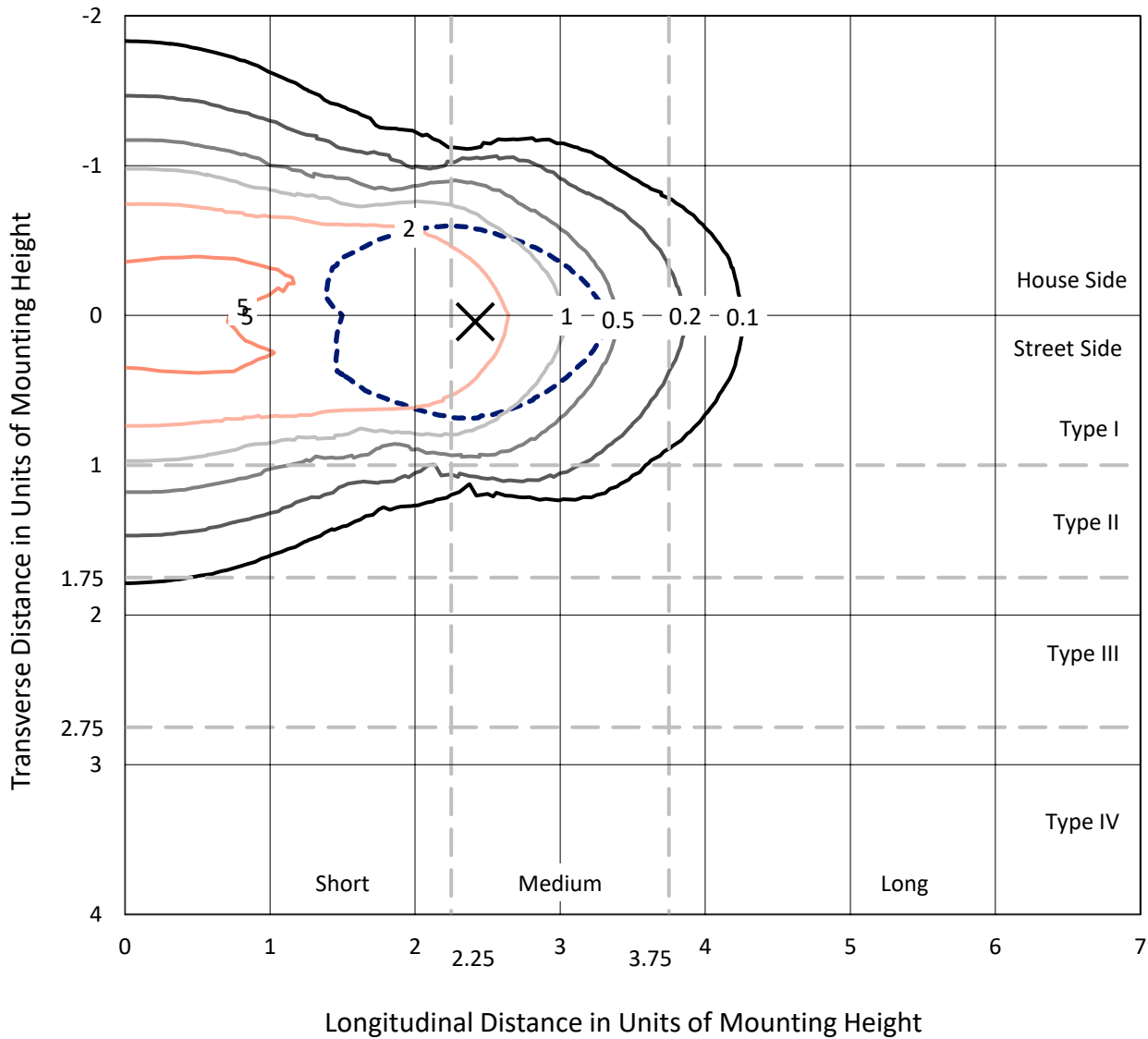
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

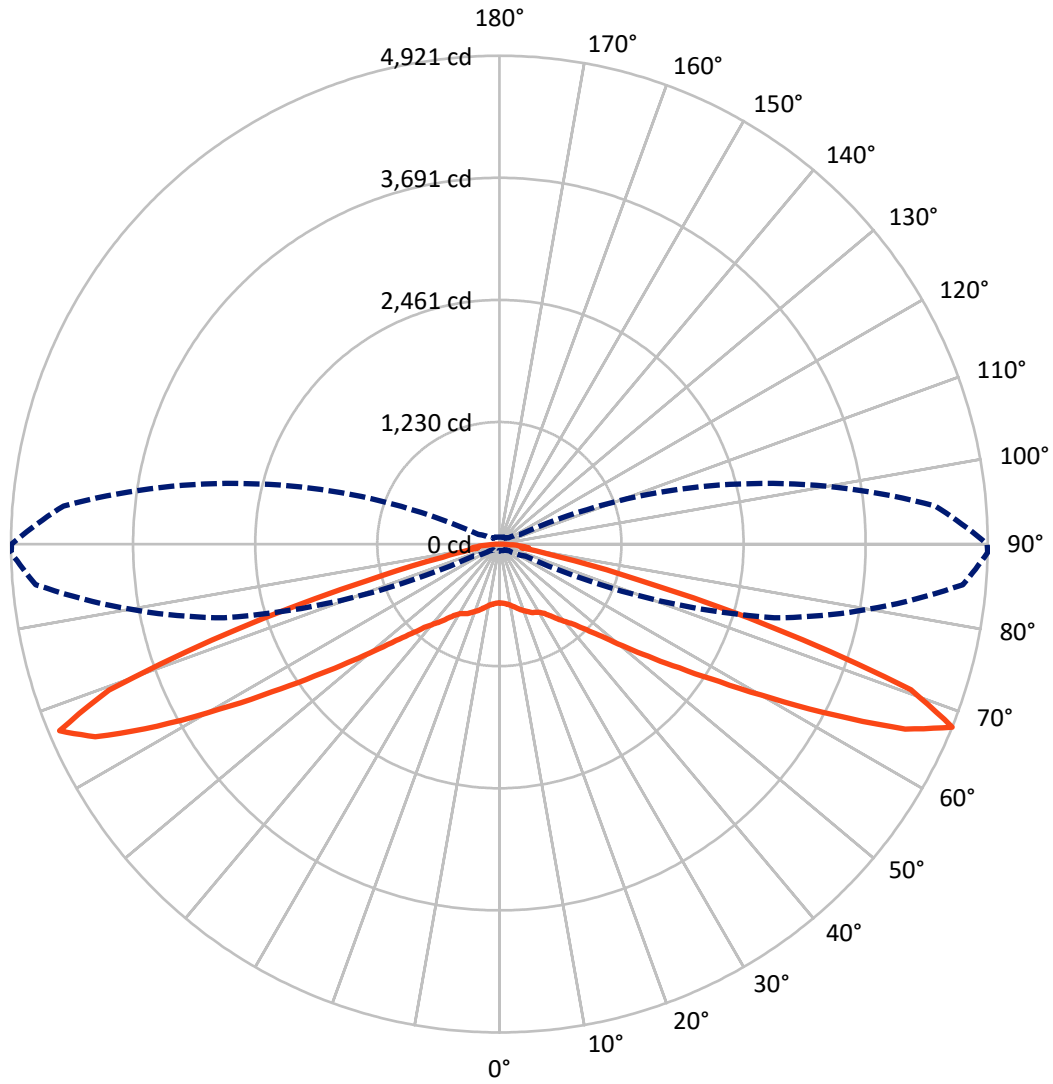
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1748.7	0.0	1748.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1779.7	0.0	1779.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	3528.4	0.0	3528.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	1.7
10°-20°	193.4	5.5
20°-30°	327.0	9.3
30°-40°	448.7	12.7
40°-50°	572.2	16.2
50°-60°	718.0	20.3
60°-70°	865.9	24.5
70°-80°	313.3	8.9
80°-90°	30.5	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°	3528.4	100.0
0°-180°	3528.4	100.0

Coefficient of Utilization



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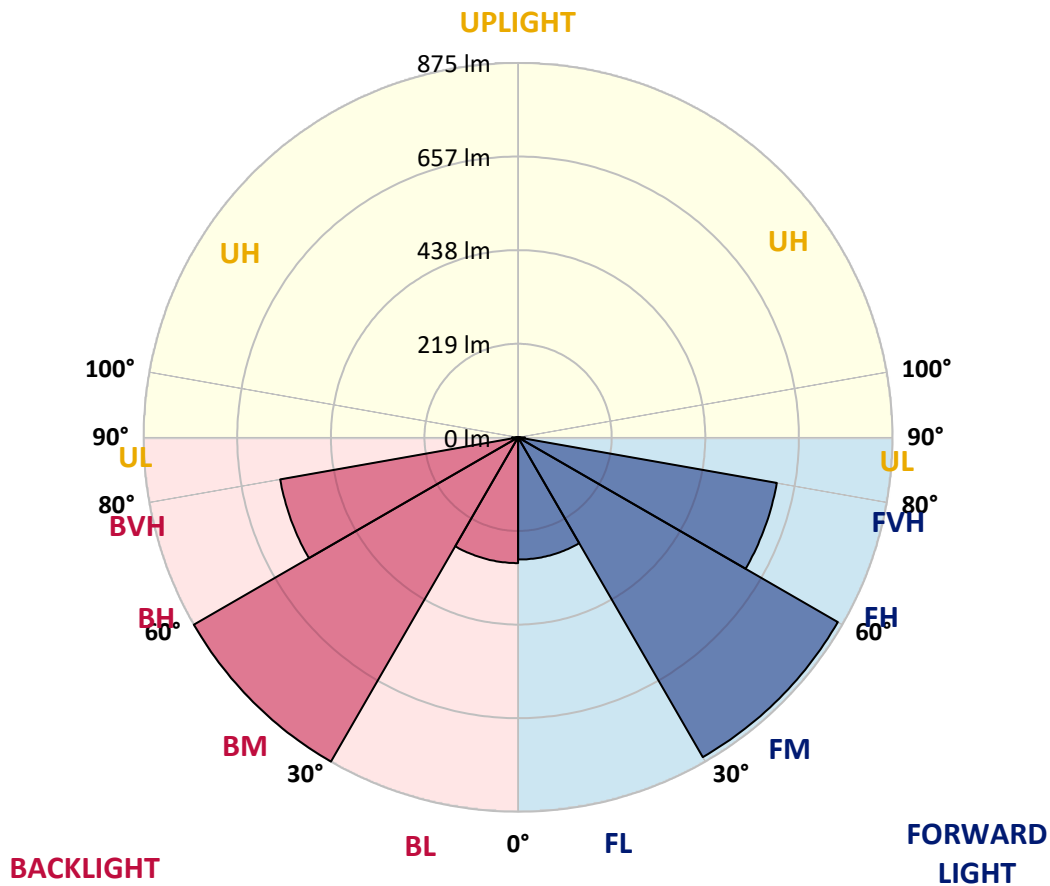
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.8	8.1			
FM (30°-60°)	863.5	24.5			
FH (60°-80°)	614.3	17.4			G0/660
FVH (80°-90°)	16.1	0.5			G1/100
BL (0°-30°)	294.0	8.3	B1/500		
BM (30°-60°)	875.5	24.8	B1/1000		
BH (60°-80°)	564.8	16.0	B2/1000		G2/1000
BVH (80°-90°)	14.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2
2.5°	594.0	593.5	592.2	596.0	595.3	595.5	597.0	596.0	594.2	591.2	595.5
5°	610.7	610.5	607.7	610.0	607.4	605.6	605.4	602.9	600.8	597.5	602.1
7.5°	626.9	626.7	624.4	628.5	626.4	624.4	622.1	617.0	612.2	607.4	612.5
10°	639.3	639.1	638.6	644.4	644.9	645.7	644.7	636.1	627.7	621.9	626.9
12.5°	646.4	647.2	648.5	659.1	664.4	669.5	670.8	663.7	649.7	641.4	647.5
15°	641.6	643.1	649.5	668.7	683.4	694.8	699.7	693.8	675.8	661.9	668.7
17.5°	618.6	619.8	632.3	661.6	694.1	720.4	728.3	724.7	704.7	687.7	694.3
20°	586.6	589.4	602.9	643.9	692.3	738.2	759.2	757.9	736.1	710.0	717.9
22.5°	557.8	561.0	575.2	620.6	680.4	742.7	790.4	793.7	764.8	732.3	738.7
25°	525.3	528.4	546.6	593.0	659.9	739.2	817.0	831.9	797.2	757.9	763.8
27.5°	492.1	494.4	512.4	561.8	633.0	732.6	838.0	874.0	829.1	775.7	779.7
30°	463.0	466.0	482.5	530.6	603.6	719.4	855.3	918.9	865.9	795.7	799.0
32.5°	434.8	437.4	455.4	500.0	572.4	699.2	870.7	971.6	920.4	833.0	833.0
35°	399.4	403.9	424.2	470.6	543.1	672.3	881.9	1032.9	994.9	887.9	888.2
37.5°	366.7	369.2	390.5	437.4	512.1	641.9	882.9	1096.5	1089.1	957.9	958.4
40°	329.4	332.7	355.5	401.9	476.7	610.0	873.2	1155.8	1188.0	1029.8	1027.1
42.5°	291.7	296.5	318.3	363.6	438.4	570.9	847.6	1212.3	1313.4	1113.2	1106.4
45°	255.2	258.2	280.0	322.8	394.6	524.3	806.6	1266.5	1462.4	1239.9	1230.0
47.5°	214.1	215.4	237.9	279.0	349.2	472.4	747.8	1314.9	1626.1	1407.7	1390.7
50°	177.6	179.4	197.2	232.4	293.7	410.8	674.6	1343.3	1834.7	1636.5	1607.1
52.5°	143.7	145.5	159.6	187.8	242.8	340.6	583.9	1336.7	2046.3	1920.6	1877.8
55°	116.1	117.3	127.0	149.0	191.1	270.9	476.7	1277.7	2281.2	2291.6	2199.3
57.5°	98.1	98.6	105.2	118.6	149.3	208.8	367.9	1138.3	2527.5	2764.9	2613.4
60°	87.7	87.9	91.0	99.3	117.8	159.4	269.6	916.3	2782.7	3357.1	3149.3
62.5°	81.1	81.1	83.6	88.4	97.8	122.6	198.2	658.1	2965.9	4001.6	3795.0
65°	74.8	74.8	76.5	80.6	85.7	100.1	148.8	424.5	3055.8	4540.3	4494.4
67.5°	66.6	66.9	68.2	72.5	77.0	83.6	112.8	287.1	2869.1	4689.3	4921.4
70°	59.0	59.3	61.1	63.9	67.7	72.2	88.2	197.9	2088.3	3905.5	4400.4
72.5°	50.7	51.7	53.0	56.0	58.3	61.6	72.0	128.2	1215.1	2512.3	2908.9
75°	41.6	42.8	44.3	47.4	48.9	50.2	59.3	91.5	584.6	1273.1	1449.7
77.5°	32.2	33.4	35.2	38.0	39.0	40.5	45.4	66.1	280.0	564.3	608.4
80°	21.5	22.0	23.6	26.9	28.6	29.6	33.4	45.1	121.6	226.5	224.5
82.5°	13.2	13.4	13.9	16.0	16.7	17.7	21.8	27.6	58.0	257.5	295.2
85°	4.8	4.6	4.3	5.6	6.6	7.6	10.1	13.9	25.3	176.9	197.9
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.0	2.0	6.1	66.1	45.4
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°	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2	592.2
2.5°	594.2	591.5	595.0	597.5	603.1	605.1	605.6	603.9	603.9	600.8	601.3
5°	601.1	599.3	605.1	609.4	617.6	620.6	622.6	621.4	622.1	620.1	620.6
7.5°	611.5	610.0	620.1	628.5	636.8	640.4	642.1	641.1	641.4	638.8	639.6
10°	625.9	626.4	638.6	649.5	660.6	664.2	664.9	661.9	659.4	654.8	655.1
12.5°	645.7	648.2	665.4	677.6	689.0	694.1	688.5	677.4	667.0	659.1	658.1
15°	667.2	671.8	696.6	712.1	724.5	722.0	705.5	680.4	659.9	648.2	645.9
17.5°	693.1	699.9	731.1	749.6	760.2	744.0	709.5	672.0	643.4	627.7	624.6
20°	717.4	728.3	767.6	791.6	792.9	756.4	707.8	655.1	619.1	599.8	595.8
22.5°	739.7	753.6	805.8	836.5	820.0	762.0	696.9	631.0	589.7	567.1	563.6
25°	764.0	783.8	850.4	879.1	847.1	759.7	674.1	601.1	554.2	531.1	528.6
27.5°	780.7	805.6	895.3	922.7	869.4	746.8	644.7	568.4	521.8	500.0	496.4
30°	800.0	831.7	944.7	970.0	883.1	727.8	613.2	538.0	491.6	468.0	465.5
32.5°	835.0	874.8	1006.0	1020.2	887.4	704.2	583.1	508.6	460.2	436.6	433.1
35°	891.2	937.9	1092.2	1076.2	884.1	678.4	554.5	474.1	428.0	406.0	402.4
37.5°	962.2	1020.2	1188.2	1126.7	875.0	650.0	520.5	445.2	399.1	376.8	374.8
40°	1028.3	1099.8	1295.9	1170.2	856.5	615.0	487.8	415.1	367.9	344.4	339.8
42.5°	1111.2	1206.2	1420.6	1208.0	826.1	573.2	451.1	377.8	328.9	307.6	302.1
45°	1237.1	1355.2	1565.6	1244.2	780.7	521.8	404.9	332.5	286.1	264.3	260.0
47.5°	1394.2	1541.5	1722.7	1265.8	711.8	467.5	352.7	284.6	238.2	213.6	211.6
50°	1615.0	1812.4	1891.2	1262.0	634.8	403.2	294.0	227.6	188.8	171.1	168.3
52.5°	1883.8	2152.4	2073.4	1216.4	552.9	329.9	229.1	178.7	149.8	137.1	134.8
55°	2221.1	2559.7	2265.2	1118.5	449.5	252.6	179.9	140.9	121.1	113.5	112.5
57.5°	2638.7	3087.0	2449.9	953.8	338.0	192.8	138.6	116.3	106.9	102.4	102.1
60°	3189.9	3646.8	2610.4	741.2	242.0	147.5	114.5	103.9	96.5	93.5	93.3
62.5°	3845.2	4155.1	2710.2	504.8	181.9	117.6	100.9	94.3	90.0	88.2	87.9
65°	4518.8	4476.4	2662.6	330.7	138.1	99.8	90.5	86.9	83.1	81.3	81.3
67.5°	4916.6	4408.5	2296.9	229.6	109.5	87.7	81.6	78.3	72.0	70.4	70.4
70°	4354.8	3572.3	1505.5	168.0	88.7	76.8	71.0	66.4	63.9	62.3	62.1
72.5°	2880.2	2324.5	800.5	116.6	74.0	65.4	60.1	58.3	55.2	53.7	53.5
75°	1433.5	1220.9	410.3	84.1	61.6	52.5	50.2	49.4	46.9	44.9	44.3
77.5°	597.5	543.6	191.3	61.1	46.9	42.3	40.3	40.3	37.5	35.2	34.2
80°	225.3	200.7	90.5	41.8	34.7	31.4	30.2	29.1	26.9	24.1	22.6
82.5°	301.3	196.9	44.3	26.1	22.8	20.3	18.5	17.7	16.5	15.2	14.2
85°	195.1	139.9	20.0	13.4	11.4	8.6	7.6	7.1	6.3	5.6	5.1
87.5°	39.8	46.9	6.1	2.5	1.5	0.8	0.8	0.3	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)