

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: P629485

Luminaire Tested: GWS-SA1B-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629485
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-SA1B-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3675.9 lumens
Efficiency: N/A
Efficacy: 147.0 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

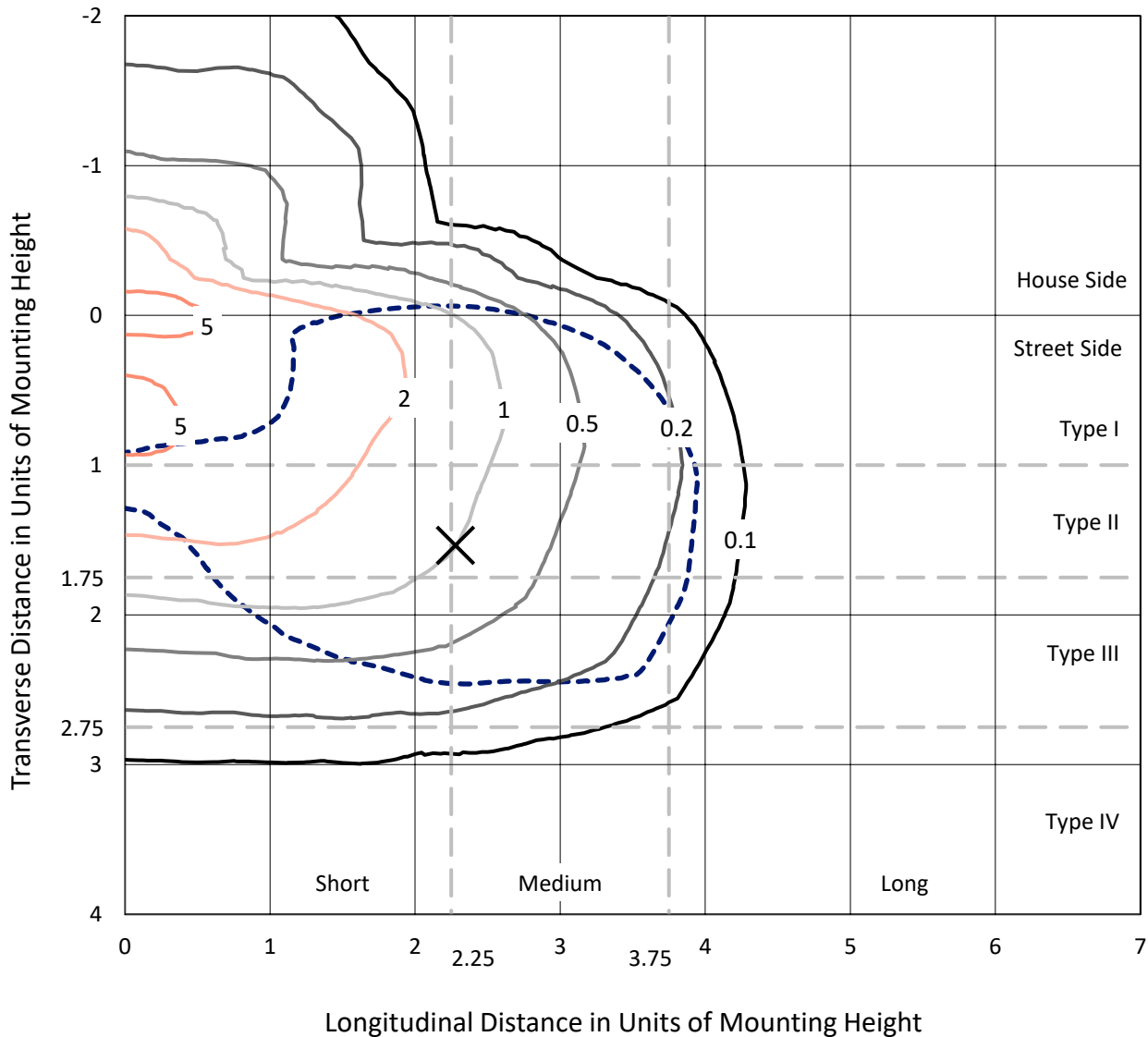
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

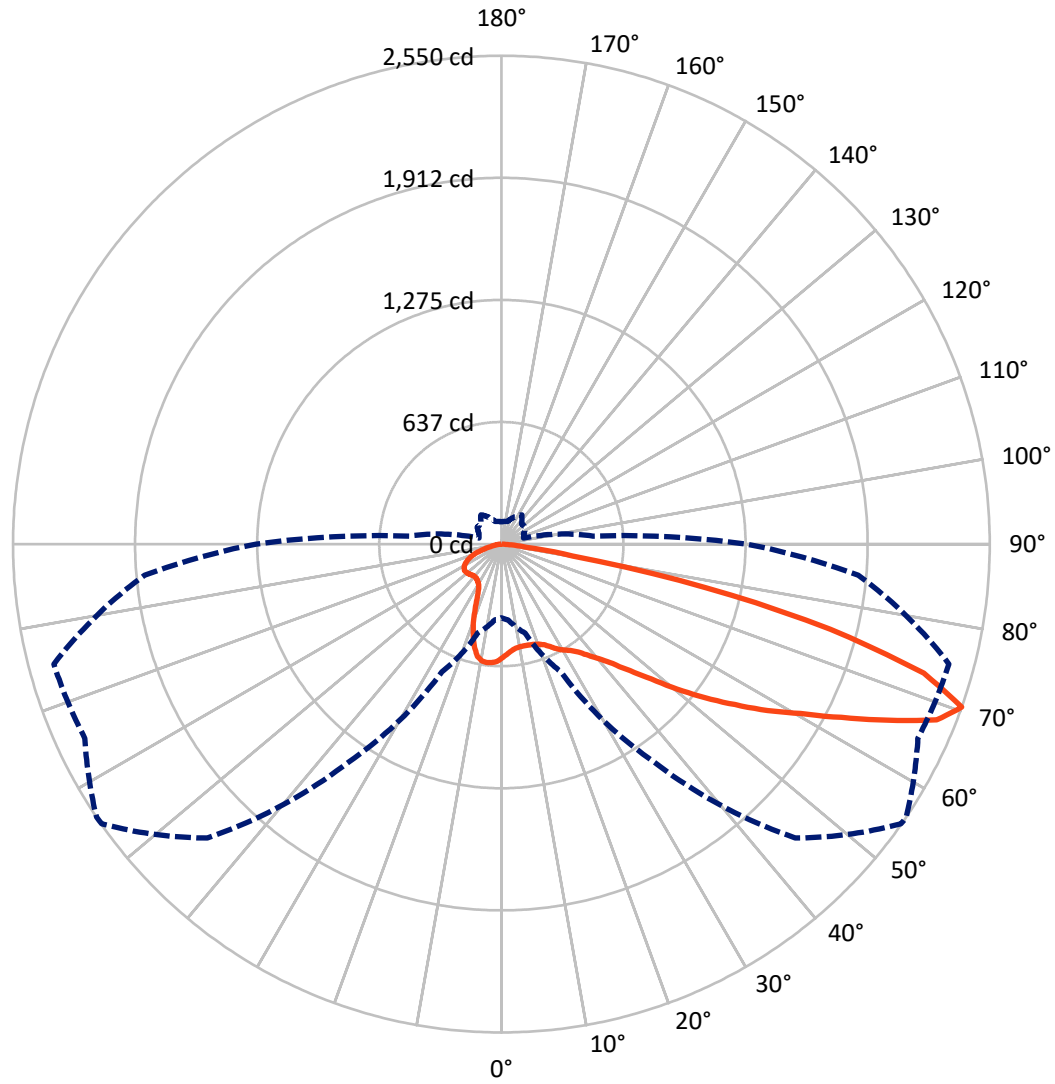
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	706.7	0.0	706.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2969.2	0.0	2969.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	3675.9	0.0	3675.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.5
10°-20°	148.8	4.0
20°-30°	246.0	6.7
30°-40°	367.8	10.0
40°-50°	547.3	14.9
50°-60°	778.0	21.2
60°-70°	963.6	26.2
70°-80°	532.1	14.5
80°-90°	37.5	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°	3675.9	100.0
0°-180°	3675.9	100.0

Coefficient of Utilization



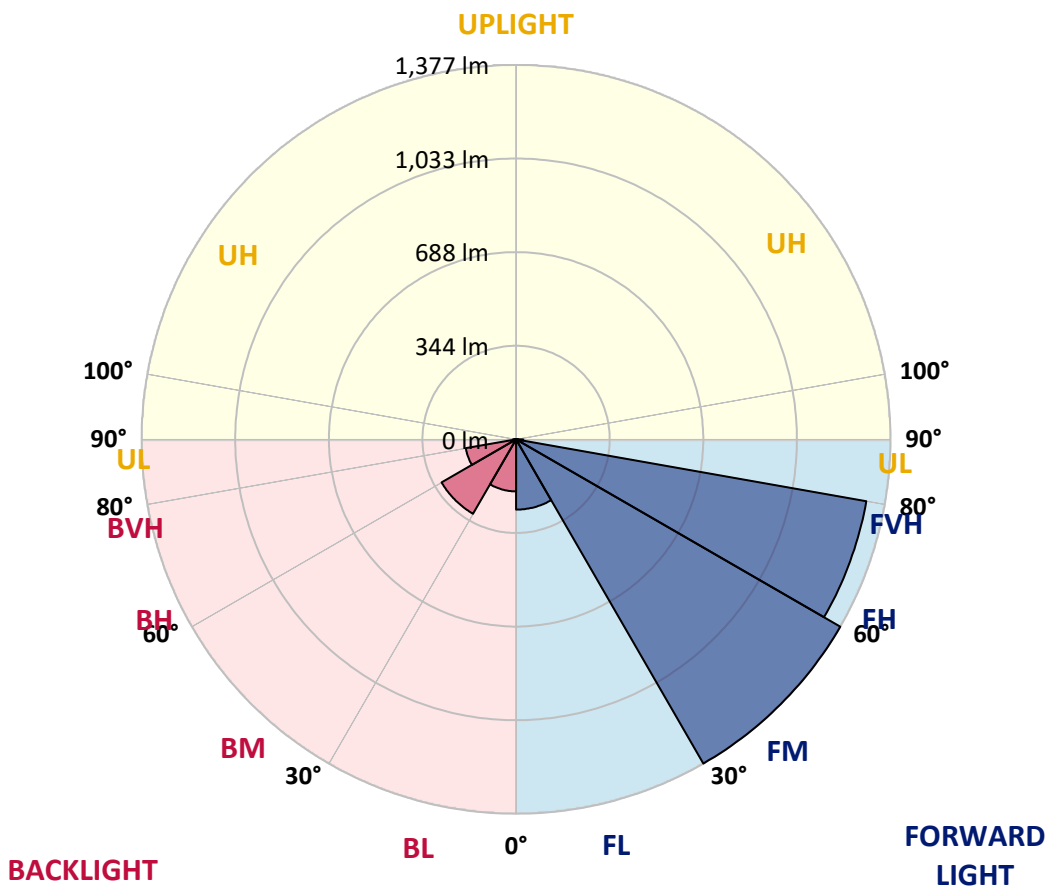
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.3	7.0			
FM (30°-60°)	1376.9	37.5			
FH (60°-80°)	1307.9	35.6			G1/1800
FVH (80°-90°)	26.0	0.7			G1/100
BL (0°-30°)	191.3	5.2	B1/500		
BM (30°-60°)	316.1	8.6	B1/1000		
BH (60°-80°)	187.8	5.1	B1/500		G1/500
BVH (80°-90°)	11.4	0.3			G1/100
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°	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3
2.5°	555.2	552.1	555.8	557.6	562.2	569.0	574.9	575.2	578.3	585.8	593.1
5°	530.1	528.5	529.6	535.0	539.9	548.5	557.6	558.4	567.2	581.9	596.5
7.5°	510.7	508.6	512.5	519.5	525.7	535.3	547.2	548.2	560.7	583.0	605.3
10°	482.7	481.1	488.4	497.7	511.2	527.0	542.8	544.1	560.4	589.7	620.8
12.5°	470.5	470.5	473.6	482.4	497.2	518.2	542.0	544.1	564.6	600.1	640.8
15°	489.4	490.7	488.1	487.6	493.5	513.5	543.1	546.2	572.4	610.7	660.5
17.5°	527.5	528.8	522.1	511.4	505.5	517.9	546.9	550.3	580.6	622.4	681.7
20°	580.9	582.5	567.7	551.4	530.9	530.6	554.5	557.6	591.3	635.1	704.3
22.5°	643.4	644.4	625.7	599.8	568.5	554.2	567.4	570.5	605.0	652.7	728.7
25°	715.7	718.8	696.3	658.7	616.2	586.6	588.9	592.6	629.6	676.3	757.4
27.5°	792.9	796.8	770.9	729.4	670.9	622.4	616.7	619.8	655.8	690.8	772.7
30°	872.0	874.9	848.9	801.5	729.7	662.8	640.0	641.8	667.2	697.8	788.3
32.5°	959.9	957.5	932.7	878.0	797.6	711.3	661.8	661.3	679.9	711.8	810.6
35°	1042.3	1045.7	1019.2	958.8	872.3	771.2	694.4	692.4	706.9	734.6	841.9
37.5°	1142.1	1141.1	1109.4	1044.1	947.2	828.5	740.3	736.7	741.9	770.1	885.7
40°	1213.4	1220.7	1200.2	1139.3	1034.8	899.0	794.0	785.9	787.2	813.9	944.3
42.5°	1271.7	1278.5	1280.5	1241.6	1135.1	986.1	860.9	852.8	853.6	891.4	1016.4
45°	1316.6	1325.6	1354.9	1343.5	1248.1	1086.6	951.3	943.0	943.5	985.5	1103.5
47.5°	1335.0	1344.8	1404.2	1431.4	1368.1	1206.9	1063.8	1051.6	1053.5	1099.9	1203.0
50°	1329.0	1342.2	1422.6	1499.0	1468.7	1329.3	1198.4	1189.8	1182.8	1250.2	1311.1
52.5°	1277.7	1292.2	1420.8	1542.1	1550.9	1444.9	1337.3	1332.4	1330.8	1409.9	1431.9
55°	1126.6	1150.9	1358.3	1553.5	1615.2	1553.7	1487.9	1479.6	1487.6	1581.0	1554.0
57.5°	1042.8	1061.0	1235.9	1540.8	1667.8	1657.4	1638.2	1639.0	1648.1	1766.8	1702.0
60°	995.1	1016.4	1168.0	1506.0	1718.3	1783.4	1795.6	1795.6	1811.9	1967.2	1852.4
62.5°	931.9	953.4	1104.5	1439.2	1765.0	1931.7	1993.4	1992.6	1999.1	2182.1	1999.3
65°	803.6	823.5	977.0	1333.7	1787.8	2095.0	2218.1	2215.8	2202.8	2373.4	2096.5
67.5°	583.5	602.4	748.4	1133.0	1705.6	2226.7	2449.6	2450.6	2373.1	2493.9	2101.7
70°	384.7	397.6	481.1	735.9	1387.1	2169.9	2546.5	2549.7	2399.3	2418.8	1870.5
72.5°	240.0	249.1	300.4	438.9	819.6	1717.6	2297.7	2306.3	2158.5	2125.6	1536.9
75°	159.4	165.6	199.9	255.8	379.2	929.6	1746.6	1774.1	1730.0	1666.2	1070.8
77.5°	95.9	101.1	127.3	162.5	168.0	363.2	1019.5	1090.5	1096.7	869.9	448.4
80°	43.8	49.8	70.2	92.8	89.4	126.5	359.5	376.1	443.8	276.3	141.5
82.5°	25.9	28.5	46.7	46.1	38.1	61.4	129.3	132.7	112.8	101.1	60.4
85°	10.4	12.2	19.7	17.4	14.0	20.0	48.7	51.1	49.0	44.1	22.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	4.4	4.7	6.7	12.2	6.7
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°	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3
2.5°	597.8	596.2	604.0	609.9	612.5	615.1	612.8	612.0	612.0	606.8	604.2
5°	604.2	605.0	615.6	620.6	620.6	618.5	612.3	607.9	606.3	599.6	597.8
7.5°	616.4	619.8	629.6	629.4	622.1	610.7	595.2	583.2	572.4	567.7	564.8
10°	636.4	640.8	647.5	636.6	616.4	586.3	553.4	527.5	512.0	499.5	499.5
12.5°	659.2	663.3	662.0	636.9	595.2	538.9	491.5	461.7	439.9	428.5	428.5
15°	682.0	685.4	671.4	625.0	550.8	475.9	424.1	388.3	369.4	358.8	358.8
17.5°	705.1	704.8	675.3	597.5	493.0	406.2	355.4	327.6	321.2	319.4	319.1
20°	727.4	721.4	670.3	551.6	425.9	335.9	303.8	305.6	315.2	319.4	319.9
22.5°	752.5	737.7	655.8	493.0	349.7	287.2	289.3	304.3	318.3	324.5	325.3
25°	778.2	751.7	631.5	424.3	285.9	269.3	285.4	302.2	318.1	326.1	326.9
27.5°	788.5	751.7	590.0	344.8	252.0	261.8	279.4	295.8	312.4	321.7	323.5
30°	797.1	745.2	531.9	273.0	238.0	254.6	269.8	284.9	301.2	312.6	314.7
32.5°	809.0	739.5	461.7	229.4	231.5	247.6	258.2	270.9	285.7	293.2	292.4
35°	823.0	730.7	376.9	208.7	226.0	241.6	249.1	256.6	249.9	249.6	250.4
37.5°	843.0	723.0	303.0	199.3	222.4	237.4	243.7	227.6	218.3	214.4	212.8
40°	871.7	719.8	239.0	193.9	221.9	237.2	232.8	207.9	195.2	181.7	181.5
42.5°	908.0	717.5	197.5	191.3	223.7	243.1	217.7	194.9	168.8	162.8	162.3
45°	954.7	713.9	176.8	190.8	228.1	247.8	216.2	177.0	159.2	156.6	156.6
47.5°	1010.9	708.2	167.5	190.8	233.0	245.7	211.5	173.2	154.8	157.6	159.4
50°	1075.5	700.9	162.5	190.3	238.0	245.7	201.7	172.4	153.7	168.5	174.5
52.5°	1144.4	692.6	159.2	188.2	241.3	246.0	202.2	175.0	154.8	171.1	176.0
55°	1220.7	691.3	154.5	183.8	242.4	239.3	203.5	180.7	156.3	155.0	155.3
57.5°	1316.8	706.9	151.1	177.3	238.2	225.5	206.1	184.8	154.5	154.8	156.6
60°	1417.4	736.2	154.0	171.1	229.7	212.6	207.9	182.7	145.7	141.5	142.1
62.5°	1502.9	758.5	156.3	168.2	217.2	201.2	206.1	178.1	140.8	139.7	142.1
65°	1538.7	740.1	150.6	162.3	199.1	187.2	202.2	172.1	136.6	132.7	133.0
67.5°	1499.0	653.7	139.5	149.0	178.6	169.3	196.0	164.3	130.9	126.2	125.2
70°	1280.5	480.3	120.3	128.1	153.7	148.3	186.4	154.2	121.8	118.5	116.1
72.5°	1031.9	340.1	99.8	101.9	120.5	124.9	169.8	141.5	111.5	101.9	98.5
75°	718.3	213.6	83.2	81.1	87.1	95.4	132.5	117.4	96.2	86.1	82.9
77.5°	309.0	109.6	65.1	64.0	58.1	66.1	101.6	98.0	80.6	69.0	67.1
80°	103.4	63.5	46.9	45.1	38.6	46.4	71.5	78.3	63.2	51.1	48.0
82.5°	51.8	36.8	29.8	27.0	25.9	29.3	42.3	48.7	43.8	35.3	29.8
85°	25.4	21.0	16.3	16.1	13.5	12.7	17.6	20.7	19.7	14.5	13.7
87.5°	9.3	8.3	5.2	4.1	2.6	1.8	1.0	1.0	0.8	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

(END OF REPORT)