

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: P628989

Luminaire Tested: GWS-SA1A-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

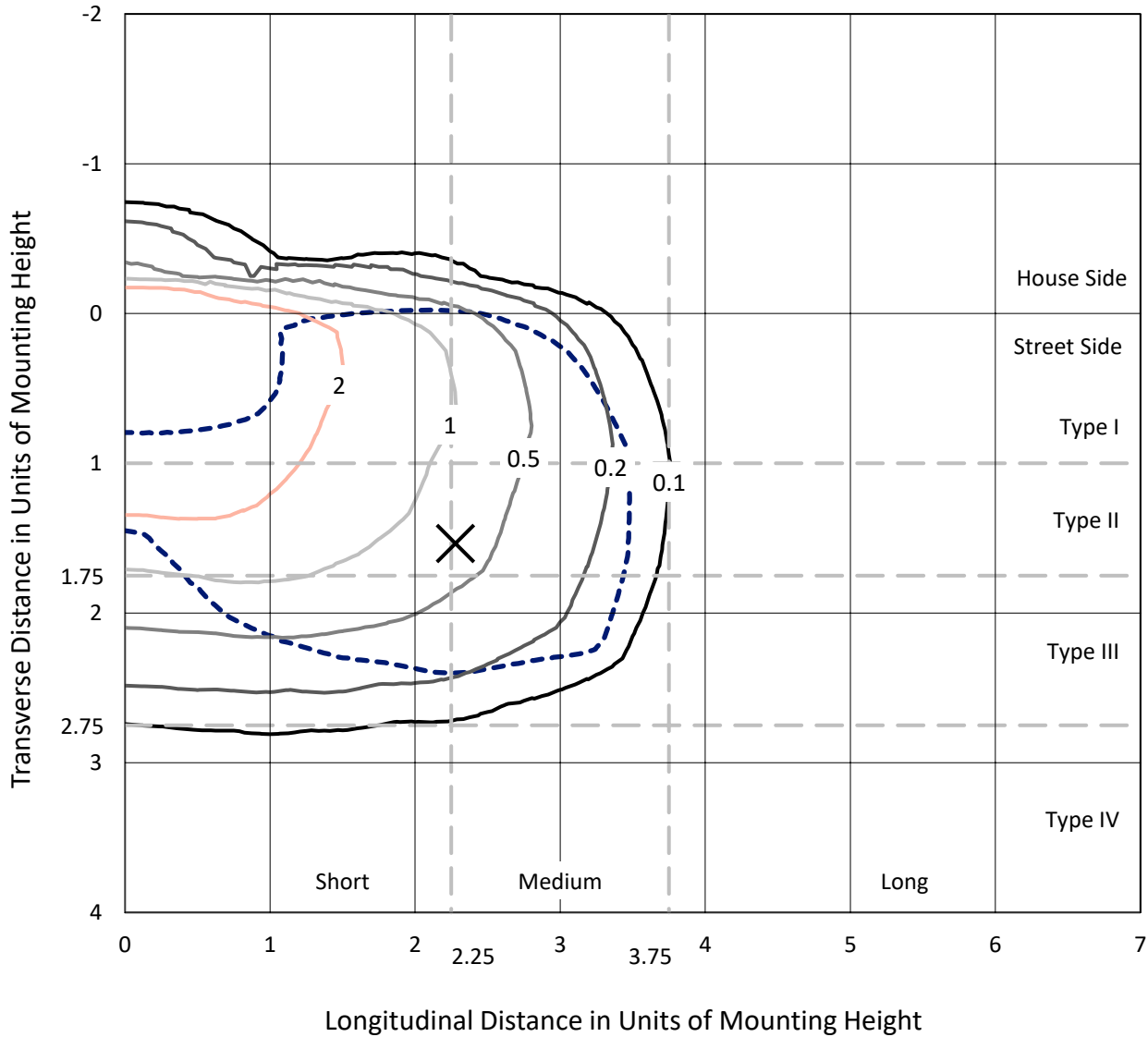
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

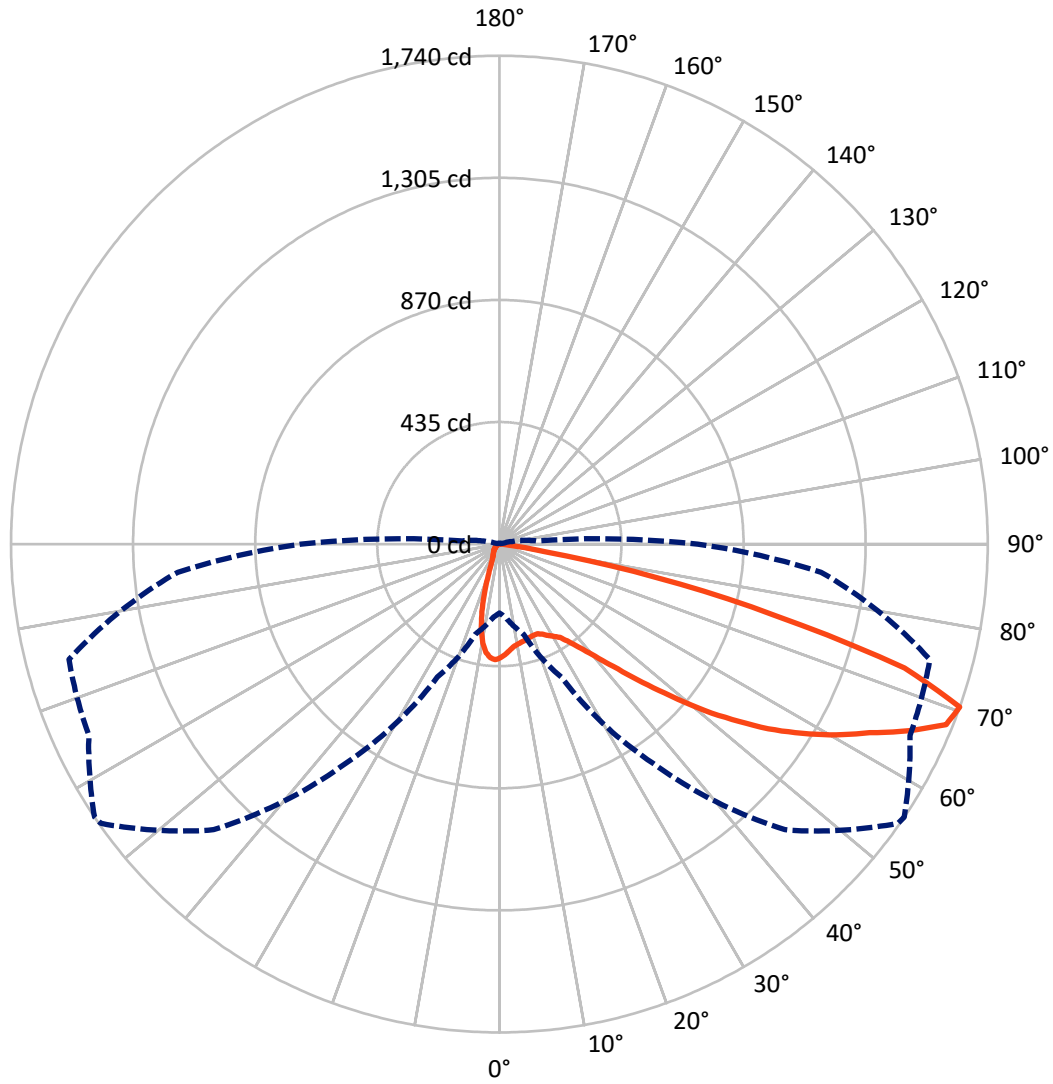
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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	201.7	0.0	201.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2044.3	0.0	2044.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	2246.0	0.0	2246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	1.5
10°-20°	78.2	3.5
20°-30°	123.9	5.5
30°-40°	213.6	9.5
40°-50°	360.7	16.1
50°-60°	530.0	23.6
60°-70°	628.4	28.0
70°-80°	268.0	11.9
80°-90°	8.4	0.4
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°	2246.0	100.0
0°-180°	2246.0	100.0

Coefficient of Utilization



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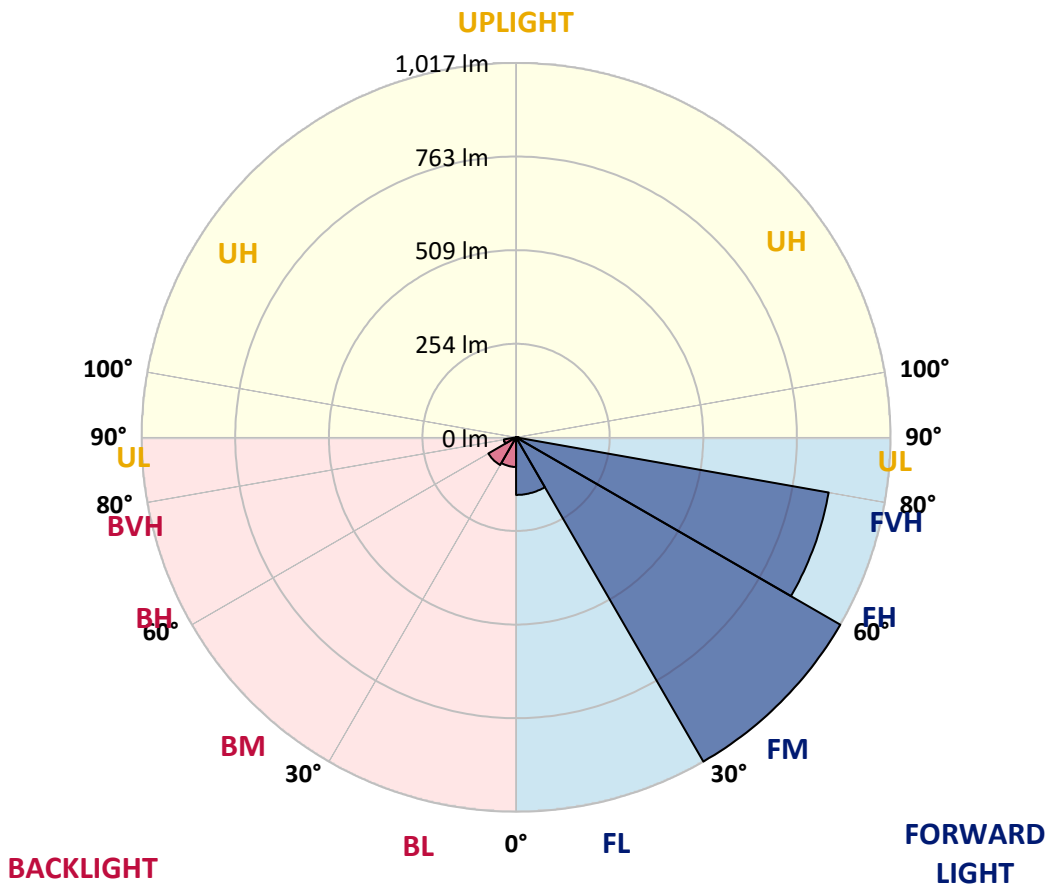
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.5	7.0			
FM (30°-60°)	1017.5	45.3			
FH (60°-80°)	862.7	38.4			G1/1800
FVH (80°-90°)	7.6	0.3			G0/10
BL (0°-30°)	80.3	3.6	B0/110		
BM (30°-60°)	86.9	3.9	B0/220		
BH (60°-80°)	33.7	1.5	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0
2.5°	377.0	376.4	376.8	379.9	385.6	388.3	392.8	393.7	397.4	402.1	403.9
5°	352.5	350.5	351.5	355.8	362.4	369.8	378.2	380.5	389.8	400.2	408.1
7.5°	330.1	327.8	330.3	337.1	346.4	354.4	366.9	368.4	383.2	401.7	415.9
10°	294.9	295.6	300.5	312.4	326.6	343.3	360.1	362.2	380.5	406.4	428.4
12.5°	268.0	266.6	271.9	285.5	305.4	329.7	355.0	357.7	380.7	413.6	444.5
15°	255.4	255.0	257.3	267.2	286.5	315.1	350.3	353.8	383.4	420.2	459.7
17.5°	255.9	255.2	255.0	260.8	275.2	304.2	345.1	349.6	385.6	427.4	475.7
20°	273.8	270.9	265.7	263.1	271.7	297.2	341.6	346.8	388.9	435.0	492.8
22.5°	311.2	312.2	298.4	284.0	279.9	298.0	341.2	347.2	396.1	446.9	513.8
25°	386.1	384.4	358.9	326.6	304.2	307.5	348.4	355.6	410.3	464.0	533.5
27.5°	479.8	481.3	446.3	394.9	348.0	327.0	361.6	368.8	426.8	474.7	546.7
30°	582.1	580.6	543.2	486.2	410.1	359.5	374.7	381.1	435.0	480.5	560.3
32.5°	678.7	675.4	638.4	578.8	489.3	410.7	392.8	396.5	445.9	493.0	578.6
35°	761.2	761.0	728.7	665.2	570.8	474.9	423.9	427.0	466.3	513.0	605.5
37.5°	846.4	843.5	807.3	749.3	654.5	545.2	471.4	470.2	498.4	542.4	638.6
40°	916.3	914.4	886.7	830.9	741.5	623.0	529.0	525.3	536.4	583.1	684.7
42.5°	968.1	968.3	959.7	925.7	833.6	712.9	601.4	595.6	595.4	644.6	745.6
45°	1007.4	1010.1	1023.0	1017.9	942.4	817.6	694.2	688.2	678.1	724.4	815.3
47.5°	1025.7	1029.2	1068.3	1088.8	1037.6	921.4	804.6	792.1	772.3	830.5	893.3
50°	1023.9	1030.0	1084.5	1147.1	1124.0	1026.7	924.9	919.0	886.7	942.8	970.4
52.5°	981.9	995.1	1085.6	1182.4	1190.5	1123.8	1049.4	1038.3	1022.6	1060.1	1042.8
55°	868.0	884.0	1042.2	1193.7	1242.3	1208.6	1171.1	1162.1	1136.2	1170.7	1105.9
57.5°	806.0	819.8	950.8	1188.2	1286.3	1286.9	1279.5	1272.1	1250.7	1280.1	1180.0
60°	768.8	782.6	902.1	1167.8	1326.2	1369.6	1381.3	1380.5	1349.6	1404.6	1266.8
62.5°	714.3	733.2	851.3	1115.0	1354.6	1451.0	1486.4	1480.9	1446.5	1534.1	1352.7
65°	604.3	620.7	747.2	1027.8	1337.9	1518.5	1600.4	1603.2	1563.6	1656.1	1420.6
67.5°	423.7	435.8	561.5	844.7	1224.8	1540.7	1717.0	1716.8	1649.1	1718.6	1390.6
70°	245.6	262.2	331.8	522.2	952.9	1439.7	1734.5	1740.4	1614.4	1588.0	1150.8
72.5°	95.0	108.8	188.0	277.5	496.9	1102.8	1492.0	1509.5	1351.1	1225.0	800.9
75°	28.4	31.7	88.4	147.7	199.5	532.7	1010.1	1015.0	926.8	764.1	410.5
77.5°	21.2	23.4	38.7	74.7	69.9	161.5	522.6	570.8	492.0	272.9	113.1
80°	14.4	17.1	27.6	36.4	25.9	43.0	146.9	161.3	150.1	61.3	28.4
82.5°	6.4	8.2	19.5	18.3	9.5	12.3	45.2	48.1	31.1	18.5	9.9
85°	0.6	0.8	7.4	8.0	3.5	2.9	9.5	9.5	6.8	6.4	4.1
87.5°	0.0	0.0	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.6	2.1
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°	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0	405.0
2.5°	408.7	406.2	409.3	411.8	412.4	407.9	405.2	401.3	400.5	400.7	399.6
5°	414.2	413.0	415.3	412.6	405.6	392.4	381.1	368.6	361.8	357.9	357.5
7.5°	424.5	423.9	421.4	409.3	387.5	358.3	330.1	302.5	285.5	279.3	278.3
10°	439.7	438.5	428.4	399.6	353.1	297.0	249.7	210.2	186.1	179.1	170.5
12.5°	457.2	454.8	432.7	378.9	301.3	223.6	164.5	120.3	99.5	93.4	93.4
15°	474.1	468.7	430.3	344.5	237.6	145.4	91.9	69.5	63.1	61.5	61.5
17.5°	491.4	481.1	420.6	297.6	164.1	86.0	61.3	57.0	56.1	56.4	56.6
20°	507.6	491.6	403.5	241.3	104.7	60.1	54.9	53.9	53.5	53.9	53.7
22.5°	525.3	501.2	377.6	179.8	68.1	54.1	52.2	51.4	51.0	51.6	51.6
25°	542.8	508.2	343.3	120.9	54.1	50.4	49.4	48.5	48.1	48.3	48.3
27.5°	551.8	505.6	298.2	77.1	48.5	46.7	45.7	44.6	44.0	43.8	44.0
30°	558.0	497.3	243.1	54.9	44.0	41.8	40.7	39.9	38.3	37.2	37.6
32.5°	567.7	489.1	183.3	46.1	40.3	36.8	35.2	33.1	30.9	29.8	29.8
35°	579.2	477.8	128.5	41.5	36.4	32.7	29.6	26.1	23.4	22.6	22.6
37.5°	594.4	467.1	85.6	38.5	33.1	29.2	24.9	20.8	17.9	17.5	17.3
40°	617.2	458.0	60.3	36.2	30.2	25.5	20.4	16.0	14.0	13.4	13.4
42.5°	646.9	448.8	47.7	33.9	27.8	22.0	16.2	12.8	11.1	10.7	10.5
45°	683.5	437.9	41.5	31.9	25.3	18.3	13.0	10.7	9.5	9.0	9.0
47.5°	723.2	423.1	38.7	29.2	22.4	14.8	10.9	9.3	8.6	8.4	8.2
50°	762.2	403.1	36.2	26.7	19.1	12.1	9.5	8.4	8.0	7.8	7.8
52.5°	796.4	379.9	33.1	23.9	15.6	10.5	8.4	7.8	7.4	7.0	6.8
55°	825.6	354.6	29.2	20.6	12.8	9.3	7.8	7.2	6.8	6.4	6.2
57.5°	863.2	340.2	23.4	16.7	10.5	8.2	7.2	6.6	6.2	5.6	5.6
60°	905.0	329.7	17.5	13.2	9.0	7.6	6.6	6.0	5.6	4.9	4.9
62.5°	938.5	314.1	13.8	10.7	7.8	6.8	6.0	5.3	4.9	4.3	4.3
65°	951.3	281.8	11.3	8.4	6.4	6.0	5.3	4.9	4.3	3.7	3.7
67.5°	893.7	217.2	9.5	6.8	5.3	5.1	4.7	4.5	3.7	3.3	3.1
70°	707.7	132.5	7.8	5.6	4.5	4.3	4.3	3.9	3.3	3.1	2.9
72.5°	485.0	68.3	6.4	4.5	3.9	3.9	3.7	3.5	3.1	2.9	2.9
75°	252.0	22.8	4.9	3.5	3.1	3.3	3.3	3.1	2.9	2.9	2.7
77.5°	72.2	10.3	3.7	2.7	2.5	2.5	2.7	2.7	2.7	2.5	2.5
80°	18.7	6.0	2.7	2.1	2.1	2.1	2.1	2.3	2.5	2.3	2.3
82.5°	7.6	3.3	1.9	1.6	1.6	1.6	1.6	1.9	2.1	2.1	2.1
85°	4.7	1.6	1.4	1.4	1.4	1.2	1.2	1.4	1.4	1.6	1.6
87.5°	2.9	1.2	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0
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)