

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: P629322

Luminaire Tested: GWS-SA1B-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3414.4 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

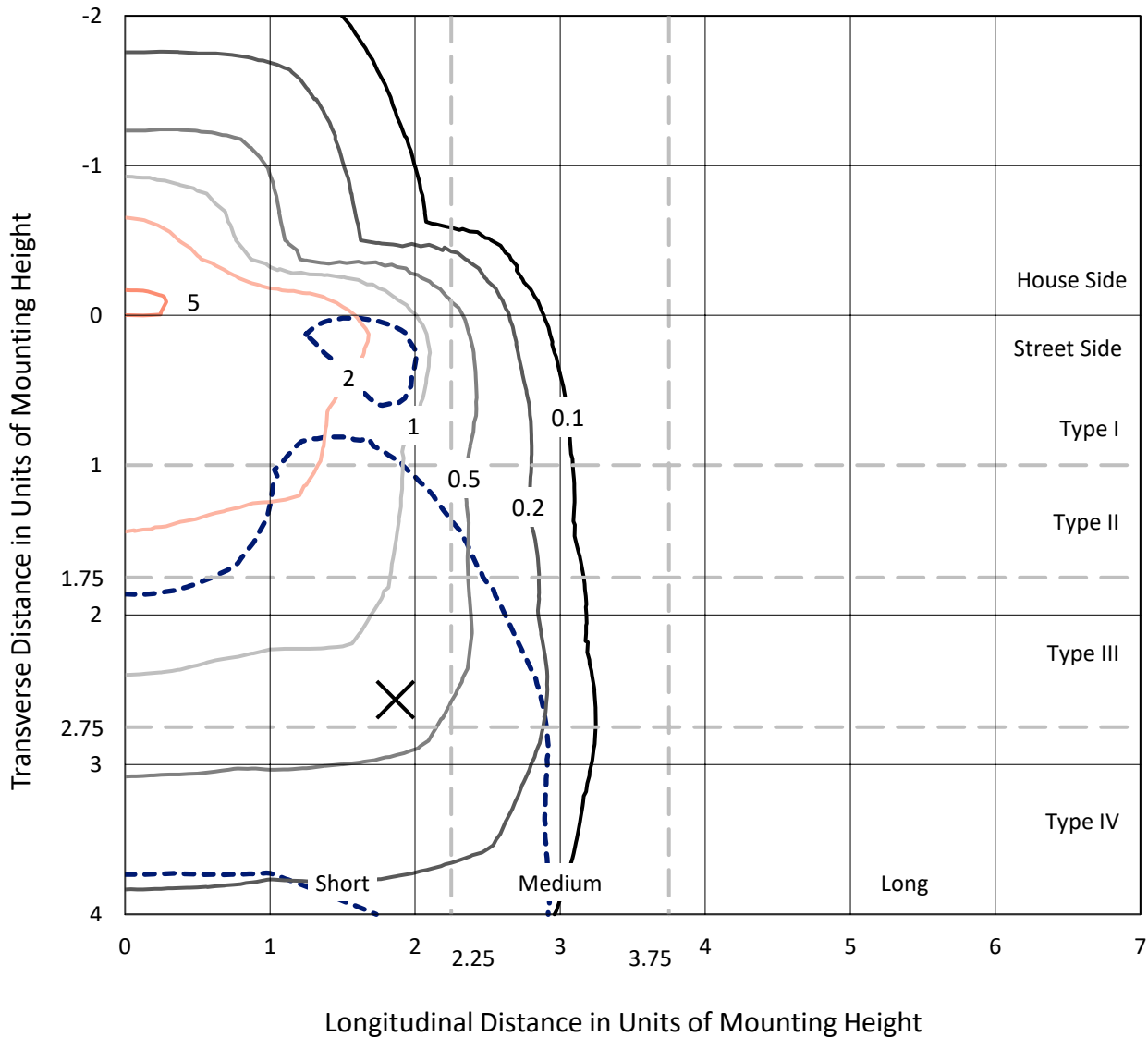
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

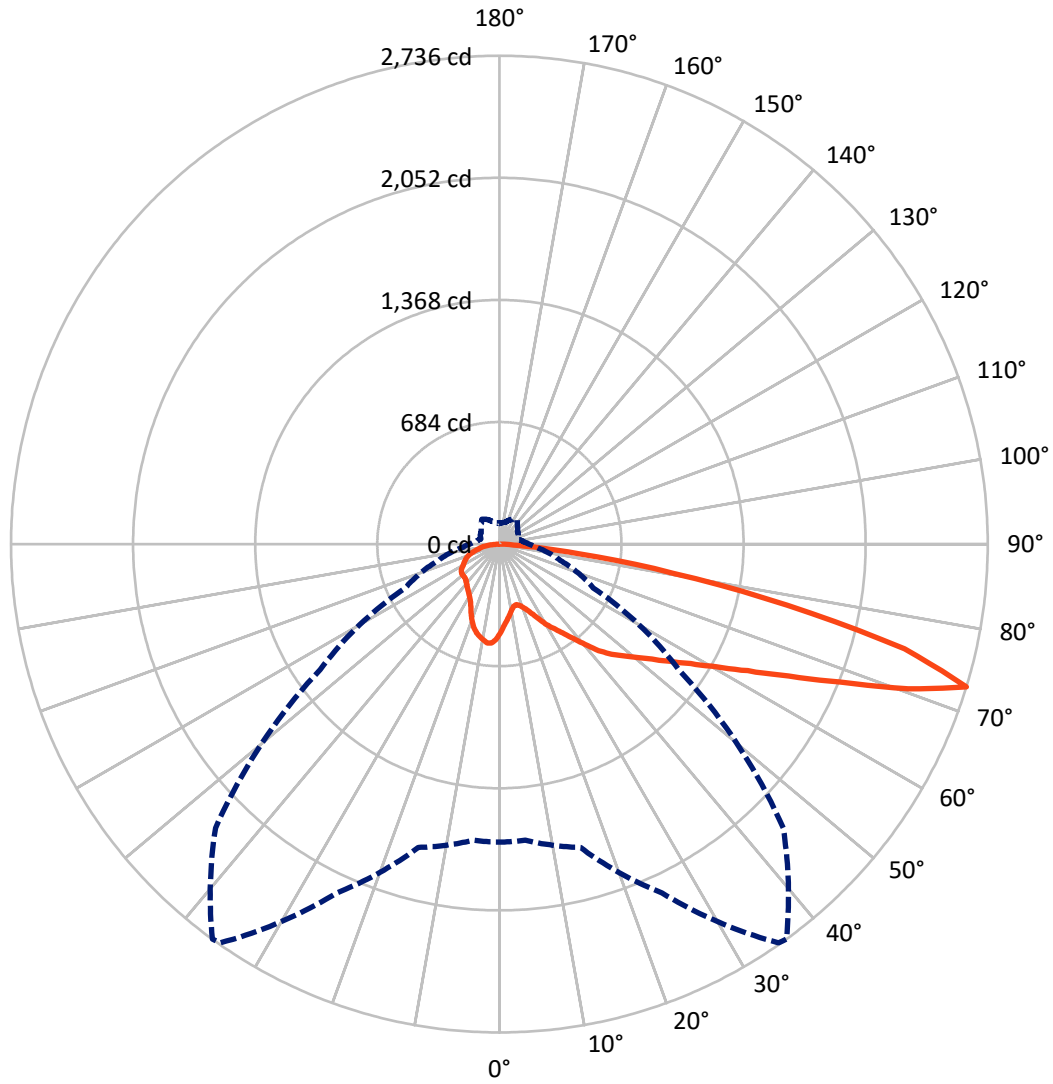
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.2	0.0	787.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2627.2	0.0	2627.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	3414.4	0.0	3414.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.4
10°-20°	131.8	3.9
20°-30°	218.3	6.4
30°-40°	326.9	9.6
40°-50°	476.9	14.0
50°-60°	678.7	19.9
60°-70°	857.5	25.1
70°-80°	611.0	17.9
80°-90°	66.7	2.0
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°	3414.4	100.0
0°-180°	3414.4	100.0

Coefficient of Utilization



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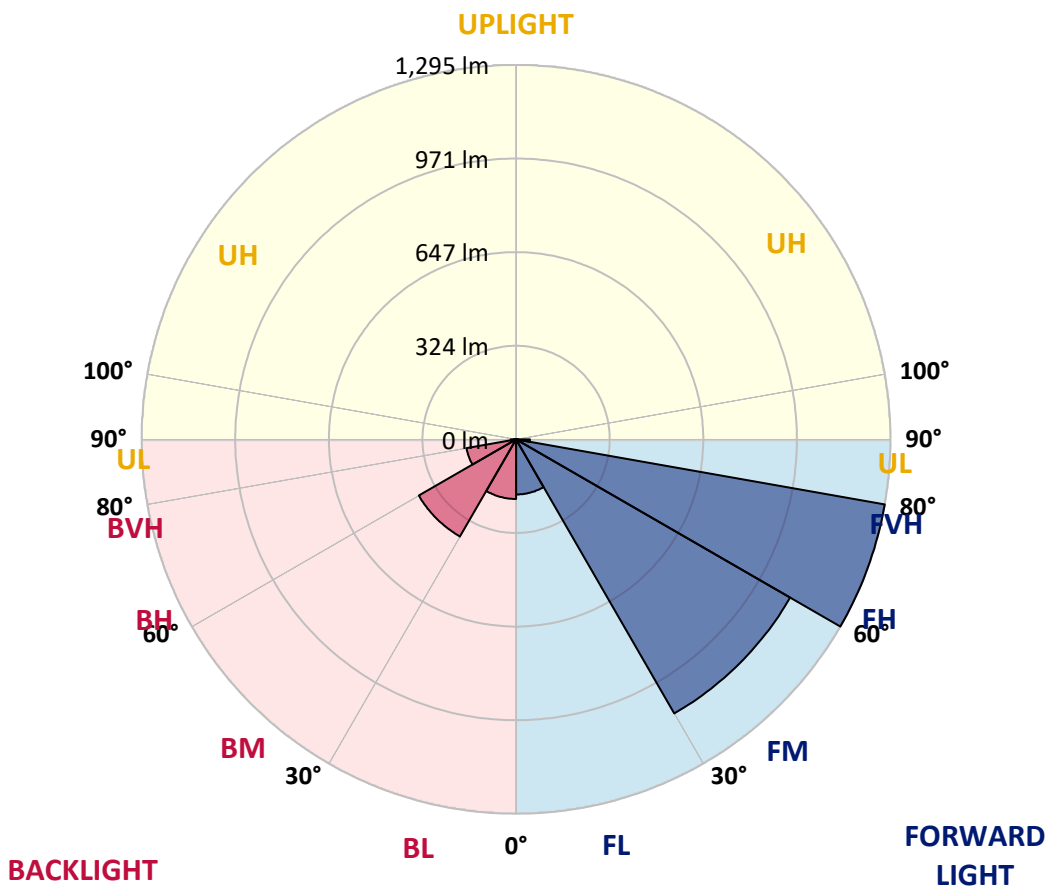
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.6	5.6			
FM (30°-60°)	1094.2	32.0			
FH (60°-80°)	1294.5	37.9			G1/1800
FVH (80°-90°)	47.9	1.4			G1/100
BL (0°-30°)	206.1	6.0	B1/500		
BM (30°-60°)	388.2	11.4	B1/1000		
BH (60°-80°)	174.0	5.1	B1/500		G1/500
BVH (80°-90°)	18.8	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7
2.5°	455.9	455.1	453.6	458.2	462.7	462.2	468.5	474.6	481.2	488.1	497.2
5°	419.4	418.9	417.6	424.5	431.3	431.0	441.4	451.3	464.7	479.4	497.7
7.5°	382.9	381.6	383.4	392.0	401.6	402.7	416.8	433.1	452.6	474.6	500.5
10°	350.7	350.5	351.2	360.8	375.3	376.3	394.6	417.1	443.0	472.3	506.8
12.5°	342.3	341.8	339.8	344.6	355.5	357.0	377.1	404.7	436.4	473.6	515.4
15°	356.0	354.8	347.7	345.4	350.7	352.0	369.0	397.3	432.6	475.9	526.3
17.5°	379.6	378.8	365.4	356.0	359.6	360.6	373.3	396.1	431.5	480.5	539.8
20°	414.1	410.8	389.7	375.5	375.5	377.1	384.7	401.6	432.8	486.0	555.0
22.5°	459.7	453.1	423.4	404.2	399.1	401.1	404.4	415.6	438.1	495.4	574.0
25°	510.9	504.8	469.6	442.4	435.3	436.1	433.3	435.3	449.8	508.3	597.5
27.5°	565.3	561.3	523.8	489.3	478.2	478.2	468.3	463.5	466.0	523.0	623.9
30°	614.0	608.4	576.7	539.0	524.3	524.3	505.5	495.2	489.1	541.0	659.1
32.5°	639.6	636.3	615.3	586.4	568.4	565.6	549.4	537.2	523.0	567.6	706.7
35°	673.0	672.3	659.6	637.1	614.3	610.2	599.0	589.4	564.8	600.8	770.1
37.5°	715.1	713.8	711.8	698.4	671.0	670.3	660.4	648.7	616.8	648.7	846.9
40°	762.2	760.0	757.4	757.2	740.7	737.9	737.2	724.0	679.4	706.5	927.0
42.5°	827.1	819.3	795.4	806.1	818.2	815.7	825.3	805.6	757.4	775.2	1002.7
45°	906.9	887.7	840.5	843.6	874.2	879.3	912.8	907.9	843.3	854.5	1082.5
47.5°	954.8	938.1	894.3	891.7	930.0	936.3	1009.1	1018.2	935.8	950.0	1181.1
50°	994.1	982.4	946.5	950.0	990.6	996.9	1104.6	1124.1	1023.0	1047.8	1295.7
52.5°	1041.5	1024.8	996.9	1013.6	1063.3	1070.9	1210.8	1231.8	1101.5	1155.3	1414.2
55°	1068.1	1061.3	1061.8	1087.4	1149.7	1160.1	1322.0	1318.5	1173.5	1247.3	1503.4
57.5°	1129.4	1126.9	1150.2	1159.8	1250.5	1264.0	1433.3	1402.8	1238.9	1318.5	1546.3
60°	1237.6	1231.3	1251.6	1266.3	1375.2	1394.2	1557.4	1485.5	1283.2	1371.4	1531.8
62.5°	1389.7	1381.8	1382.6	1405.9	1542.2	1562.2	1695.5	1554.4	1296.9	1379.5	1440.3
65°	1578.7	1567.3	1554.4	1586.1	1763.9	1780.7	1845.8	1604.6	1264.2	1301.5	1249.3
67.5°	1778.1	1768.8	1753.6	1819.9	2051.1	2061.2	2014.3	1600.2	1160.6	1092.7	876.3
70°	1789.8	1792.1	1864.0	2104.3	2425.8	2428.4	2173.7	1513.6	939.9	708.3	436.6
72.5°	1669.7	1665.9	1759.6	2156.2	2727.4	2736.0	2249.0	1226.2	580.8	353.2	204.8
75°	1356.2	1362.8	1461.4	1886.6	2337.7	2345.3	1833.4	723.0	276.0	172.8	131.0
77.5°	583.8	620.6	814.9	1329.1	1674.2	1650.7	944.9	292.9	147.2	123.2	100.3
80°	168.5	183.0	290.4	632.0	1003.2	985.5	374.0	109.7	102.6	92.5	72.0
82.5°	54.5	60.3	106.4	251.6	449.5	449.0	141.9	64.9	67.2	62.8	46.4
85°	15.2	17.5	32.7	76.3	139.1	136.3	41.1	30.7	35.7	36.2	23.1
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.0	4.6	10.4	13.2	9.4
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°	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7	499.7
2.5°	502.8	502.0	512.4	520.5	528.1	533.2	534.7	535.7	537.7	538.7	537.7
5°	506.3	510.1	527.3	540.0	550.1	556.2	556.5	556.0	557.5	556.2	555.5
7.5°	513.9	521.3	543.0	556.5	563.1	563.3	557.2	550.1	546.6	543.6	542.5
10°	524.0	534.9	558.8	567.6	565.6	556.2	542.8	531.6	525.3	520.7	519.7
12.5°	538.0	550.1	572.7	572.4	559.8	543.0	527.3	513.9	504.8	499.5	497.7
15°	551.2	566.6	582.8	570.9	550.9	530.6	510.4	492.4	480.2	471.8	470.3
17.5°	567.4	583.8	590.2	566.1	539.8	513.6	486.5	463.0	446.5	436.6	435.9
20°	586.1	600.8	593.7	557.7	525.3	491.1	454.4	428.0	410.3	400.6	401.4
22.5°	607.9	618.6	594.7	546.3	505.3	459.2	418.1	392.8	380.9	375.8	376.1
25°	631.2	638.1	593.0	530.9	474.6	420.1	380.9	369.2	368.2	366.9	367.4
27.5°	658.9	657.3	587.6	509.1	433.3	374.8	354.8	357.8	361.9	361.4	361.9
30°	695.8	681.4	580.8	478.9	384.2	336.8	339.3	347.9	353.2	353.8	355.3
32.5°	738.2	708.0	569.9	437.9	337.3	315.5	324.9	335.3	341.6	342.9	344.9
35°	788.6	738.4	550.6	386.7	303.6	302.8	311.4	318.5	325.4	325.9	325.9
37.5°	846.6	768.8	520.0	330.2	282.8	291.9	300.0	301.6	303.3	301.8	302.6
40°	899.8	798.2	476.4	278.7	265.8	282.3	289.1	284.1	278.5	274.7	275.5
42.5°	944.4	818.2	418.6	242.8	248.6	273.7	279.0	268.6	257.7	250.6	251.6
45°	994.6	836.7	350.7	218.4	233.9	267.6	271.1	257.7	243.8	233.1	231.6
47.5°	1063.8	874.5	290.4	201.5	223.5	264.3	270.1	251.9	233.6	217.7	215.9
50°	1149.2	928.0	240.0	190.3	218.7	262.5	269.9	245.5	223.8	205.0	203.7
52.5°	1242.4	980.2	202.7	181.7	213.9	257.2	268.6	238.5	213.4	193.1	191.6
55°	1304.5	1000.7	177.6	173.6	206.0	248.8	263.5	231.6	197.7	179.2	176.9
57.5°	1322.8	974.3	160.2	166.2	195.9	237.2	253.9	217.2	188.0	173.3	171.6
60°	1291.3	907.9	149.3	160.2	184.7	222.2	237.2	208.8	180.4	167.2	166.0
62.5°	1202.7	805.6	140.9	153.8	173.3	206.5	226.5	198.7	172.1	161.7	159.9
65°	1024.3	660.6	134.1	147.2	162.4	191.6	214.9	188.5	162.9	155.1	153.1
67.5°	716.4	464.0	126.7	139.4	151.5	177.1	202.7	179.2	153.6	147.7	145.7
70°	350.2	246.1	117.8	130.2	139.9	162.4	190.6	167.8	141.1	137.9	135.1
72.5°	166.7	137.6	107.4	117.8	123.9	142.9	170.3	151.3	126.4	119.4	114.5
75°	111.8	97.8	93.8	103.1	104.7	119.9	146.0	130.5	111.5	103.4	99.3
77.5°	84.6	74.8	78.8	87.2	84.1	98.6	120.1	116.3	100.6	93.3	91.2
80°	59.5	54.5	62.6	67.7	65.4	83.9	108.2	99.6	82.9	74.8	73.2
82.5°	37.5	36.5	46.1	46.9	47.6	66.4	88.9	78.3	64.4	53.0	49.2
85°	18.8	20.8	27.6	27.6	27.4	34.2	50.7	44.1	34.7	27.6	26.9
87.5°	6.3	8.9	11.9	9.6	7.3	5.8	6.6	8.1	8.6	8.4	8.4
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)