

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: P629371

Luminaire Tested: GWS-SA1B-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3586.5 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

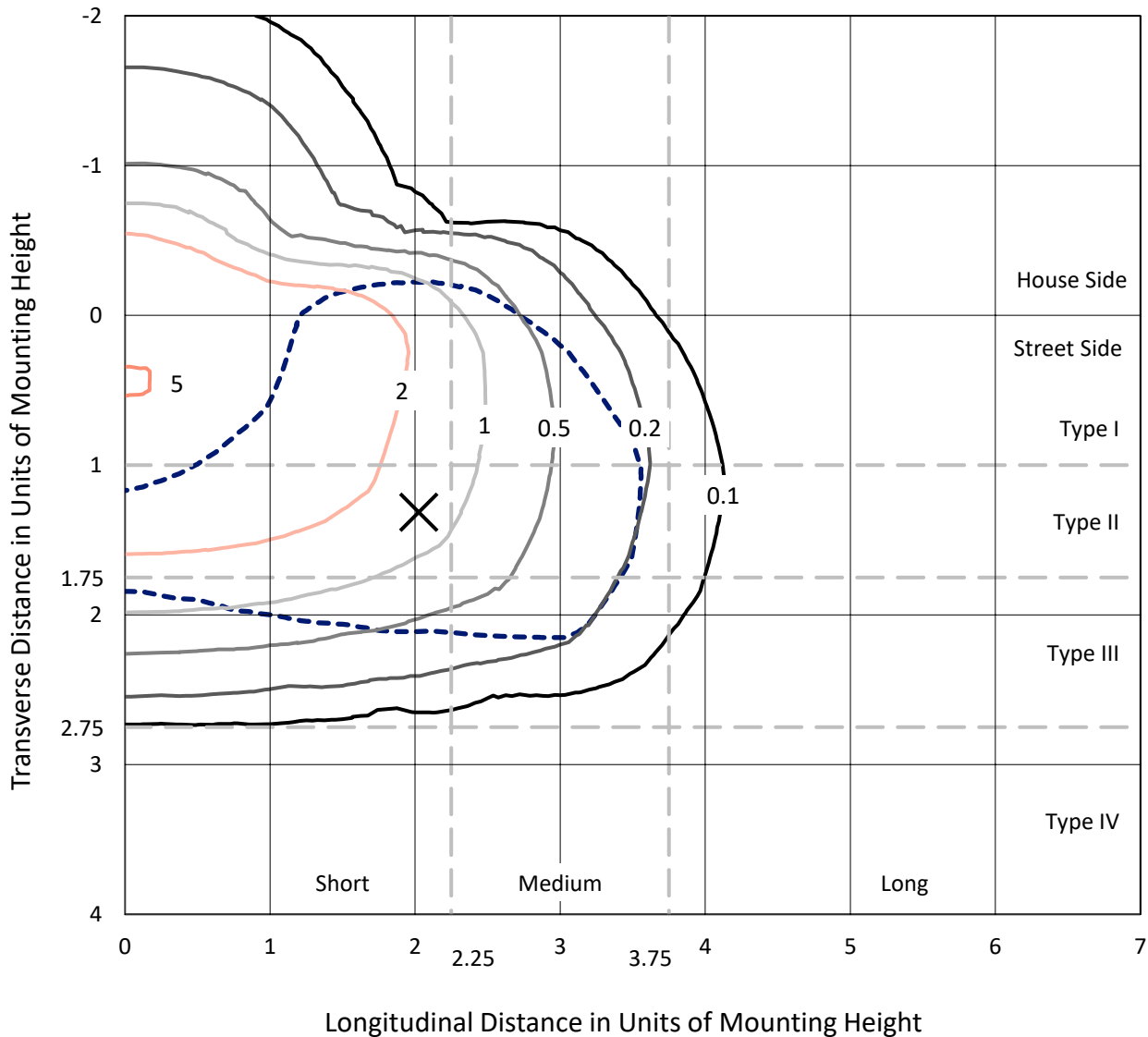
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

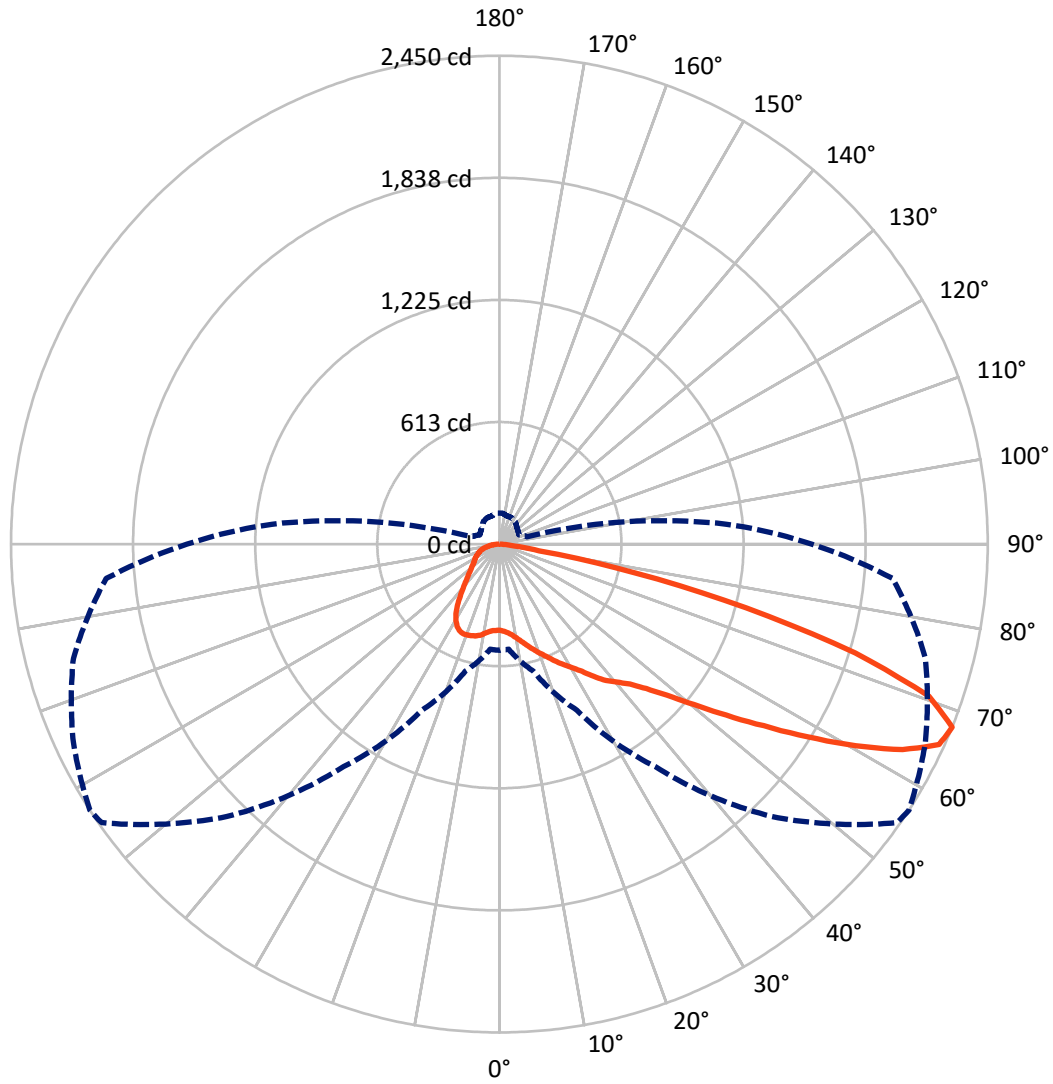
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	788.5	0.0	788.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2798.0	0.0	2798.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	3586.5	0.0	3586.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.2
10°-20°	141.9	4.0
20°-30°	253.0	7.1
30°-40°	367.8	10.3
40°-50°	532.3	14.8
50°-60°	833.0	23.2
60°-70°	971.8	27.1
70°-80°	405.7	11.3
80°-90°	38.3	1.1
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°	3586.5	100.0
0°-180°	3586.5	100.0

Coefficient of Utilization



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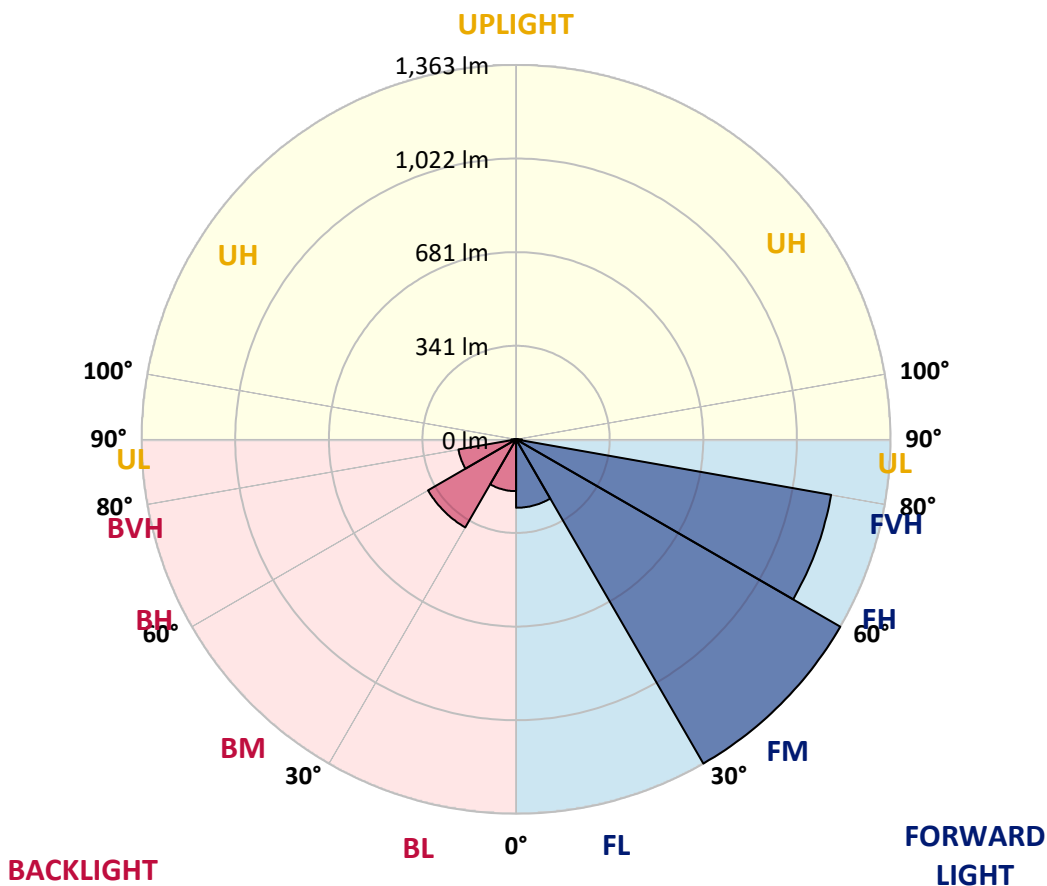
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.1	6.9			
FM (30°-60°)	1362.9	38.0			
FH (60°-80°)	1164.6	32.5			G1/1800
FVH (80°-90°)	21.3	0.6			G1/100
BL (0°-30°)	188.6	5.3	B1/500		
BM (30°-60°)	370.2	10.3	B1/1000		
BH (60°-80°)	212.8	5.9	B1/500		G1/500
BVH (80°-90°)	17.0	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1
2.5°	438.3	437.8	437.5	439.1	438.6	438.3	438.3	438.1	437.5	435.5	432.7
5°	450.4	449.4	448.3	449.6	448.6	447.6	447.3	446.8	445.0	441.9	437.5
7.5°	463.0	462.0	462.2	463.0	462.2	461.7	460.9	460.4	457.6	452.7	446.8
10°	480.7	480.7	481.2	482.0	482.2	481.5	479.9	479.2	475.8	469.7	461.4
12.5°	506.4	505.9	505.9	505.4	506.1	505.4	503.8	502.5	498.4	490.5	478.7
15°	540.3	538.3	536.5	533.1	532.1	529.3	529.8	529.0	525.2	514.4	499.5
17.5°	576.5	576.3	573.5	566.8	560.1	555.5	556.5	556.2	554.2	539.5	520.5
20°	608.4	609.7	607.1	602.0	593.0	584.2	583.7	585.0	582.5	567.8	541.3
22.5°	644.1	643.1	640.5	633.8	627.2	617.9	614.8	613.8	612.8	596.1	562.7
25°	678.0	681.1	677.8	671.6	661.3	651.3	648.7	649.8	646.9	624.8	585.5
27.5°	720.9	722.2	720.2	711.7	702.9	688.8	683.9	683.9	682.9	651.8	603.5
30°	766.7	770.3	766.7	759.7	750.7	730.4	719.9	718.9	715.8	679.6	624.6
32.5°	812.7	815.2	812.7	806.0	795.7	778.0	762.8	760.5	756.4	709.9	646.2
35°	853.5	855.8	855.3	856.8	848.4	826.0	816.8	815.7	804.9	749.5	675.5
37.5°	898.2	901.0	897.2	900.3	896.9	875.9	873.0	867.9	852.5	786.7	706.3
40°	949.1	951.7	945.5	946.8	942.9	931.1	916.7	909.8	886.9	827.0	754.8
42.5°	1003.6	1009.5	1012.3	1010.0	1001.0	994.3	969.1	960.4	941.4	899.8	834.8
45°	1082.4	1091.2	1095.3	1089.4	1085.5	1076.0	1045.2	1034.6	1024.6	1002.3	946.3
47.5°	1167.5	1175.4	1188.5	1191.1	1194.2	1187.0	1143.6	1133.3	1135.1	1132.5	1083.5
50°	1235.3	1242.0	1271.5	1303.1	1329.3	1331.4	1275.9	1264.8	1274.6	1282.8	1248.7
52.5°	1284.6	1290.5	1329.6	1394.8	1454.2	1498.1	1438.3	1425.7	1433.6	1452.1	1436.5
55°	1324.7	1332.9	1373.8	1474.0	1594.0	1663.3	1625.1	1609.1	1605.8	1628.7	1637.6
57.5°	1345.8	1348.3	1405.6	1535.9	1696.5	1825.5	1842.2	1824.2	1792.3	1804.9	1851.7
60°	1297.7	1302.1	1380.5	1551.8	1777.4	1986.3	2070.0	2055.1	1987.3	1994.3	2045.9
62.5°	1164.9	1171.1	1265.4	1476.0	1784.1	2093.7	2280.5	2271.0	2180.0	2142.5	2157.9
65°	934.4	936.5	1034.1	1288.5	1651.3	2107.0	2427.2	2424.9	2314.6	2226.8	2160.7
67.5°	532.9	529.3	659.8	919.0	1362.7	1933.4	2436.7	2450.3	2358.3	2212.9	1980.9
70°	231.0	231.5	291.6	453.5	882.0	1562.6	2263.3	2286.6	2231.9	1981.9	1576.0
72.5°	106.9	108.4	134.4	196.3	376.7	969.4	1845.5	1866.6	1819.5	1586.3	1146.7
75°	75.5	76.8	89.7	112.5	173.2	377.7	1234.5	1278.7	1301.6	1186.5	755.6
77.5°	57.3	59.1	65.5	78.1	106.9	133.9	590.7	696.0	829.1	738.1	389.2
80°	36.5	36.5	43.4	52.2	65.3	69.6	170.6	202.2	405.7	304.2	152.9
82.5°	24.7	25.4	29.5	33.1	37.5	39.6	73.2	78.1	117.2	103.5	62.9
85°	13.1	13.6	15.4	15.2	18.0	15.7	30.8	30.6	42.9	47.0	23.9
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.3	3.6	9.0	14.4	8.0
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°	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1	432.1
2.5°	434.2	431.1	432.7	432.1	433.7	433.7	430.9	430.1	430.4	427.3	426.2
5°	438.1	434.5	435.2	434.2	435.7	437.0	435.7	435.7	437.3	435.0	433.7
7.5°	446.8	442.7	442.7	441.4	443.2	444.2	443.2	444.7	447.6	445.3	444.0
10°	460.7	455.8	456.0	454.5	455.3	454.8	450.6	449.4	450.1	448.1	447.1
12.5°	478.7	472.0	472.0	468.9	467.1	461.7	453.2	450.1	450.6	448.8	448.1
15°	495.9	489.7	488.4	482.2	474.0	464.0	456.3	454.2	454.8	453.0	451.7
17.5°	516.2	508.2	503.6	492.3	477.1	466.8	459.1	454.2	450.1	446.0	445.0
20°	534.9	524.9	516.4	498.9	480.5	466.3	451.9	439.9	429.8	424.4	423.2
22.5°	554.2	541.3	526.4	503.6	480.2	457.1	430.6	412.4	397.5	389.5	391.0
25°	572.4	556.2	535.9	507.9	472.0	436.5	400.5	373.3	356.4	350.2	348.4
27.5°	587.6	567.5	544.7	505.9	455.0	407.0	359.4	329.1	312.7	305.7	303.9
30°	604.5	581.9	557.3	496.4	428.3	365.6	312.9	288.3	276.5	269.8	270.0
32.5°	624.1	600.4	575.0	478.1	394.1	320.9	274.7	257.7	248.2	241.5	240.5
35°	650.3	626.9	586.8	450.6	350.7	279.8	248.4	234.6	222.8	214.0	212.2
37.5°	682.7	666.7	588.1	413.9	304.2	251.5	229.7	214.8	200.4	188.8	187.6
40°	738.1	719.9	577.6	367.9	264.6	233.3	214.0	196.8	180.1	167.3	165.5
42.5°	817.3	779.8	555.0	316.0	234.8	218.9	199.1	177.3	160.3	151.3	150.0
45°	918.0	846.6	521.0	267.2	212.7	204.8	183.4	160.6	151.6	145.2	143.9
47.5°	1041.3	924.4	482.0	229.2	195.5	191.9	167.5	154.9	147.0	141.6	140.3
50°	1188.8	1023.6	449.9	199.4	180.1	177.0	162.4	151.6	145.2	140.8	139.8
52.5°	1357.1	1133.8	434.2	178.0	166.7	163.7	160.6	150.8	145.4	142.1	140.8
55°	1531.8	1249.9	419.6	161.6	155.4	157.2	160.8	153.4	149.3	144.9	143.6
57.5°	1700.6	1358.9	383.6	148.8	147.2	154.2	162.1	156.0	151.1	146.7	145.2
60°	1817.0	1418.5	322.7	138.5	141.1	150.3	158.8	152.1	145.9	144.1	143.4
62.5°	1848.3	1411.3	250.5	127.9	133.6	141.8	150.0	145.7	139.3	142.1	142.3
65°	1775.1	1334.2	188.1	117.7	123.8	130.8	141.1	139.3	136.9	144.6	144.9
67.5°	1567.8	1144.9	143.4	108.7	113.8	122.3	138.2	145.7	146.2	156.0	154.9
70°	1186.2	855.3	112.3	100.2	106.1	122.3	147.2	150.6	144.4	153.4	151.3
72.5°	820.1	564.5	95.6	92.8	96.6	116.6	147.0	147.0	140.3	140.3	136.4
75°	509.5	331.9	83.2	83.2	83.2	102.0	142.9	135.4	123.6	118.2	115.1
77.5°	251.5	161.3	69.9	72.5	69.6	85.3	116.6	110.7	103.5	97.9	95.8
80°	107.4	80.7	56.5	59.3	56.0	64.2	92.5	91.2	84.3	76.8	74.5
82.5°	49.3	41.6	45.2	46.5	40.9	48.3	67.6	67.6	63.7	53.4	49.6
85°	21.1	22.1	31.3	31.3	25.7	27.2	36.2	34.4	30.8	25.2	23.1
87.5°	7.2	10.8	15.9	13.9	5.4	2.3	1.3	0.5	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)