

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: P629379

Luminaire Tested: GWS-SA1B-740-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553.3 lumens
Efficiency: N/A
Efficacy: 142.1 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

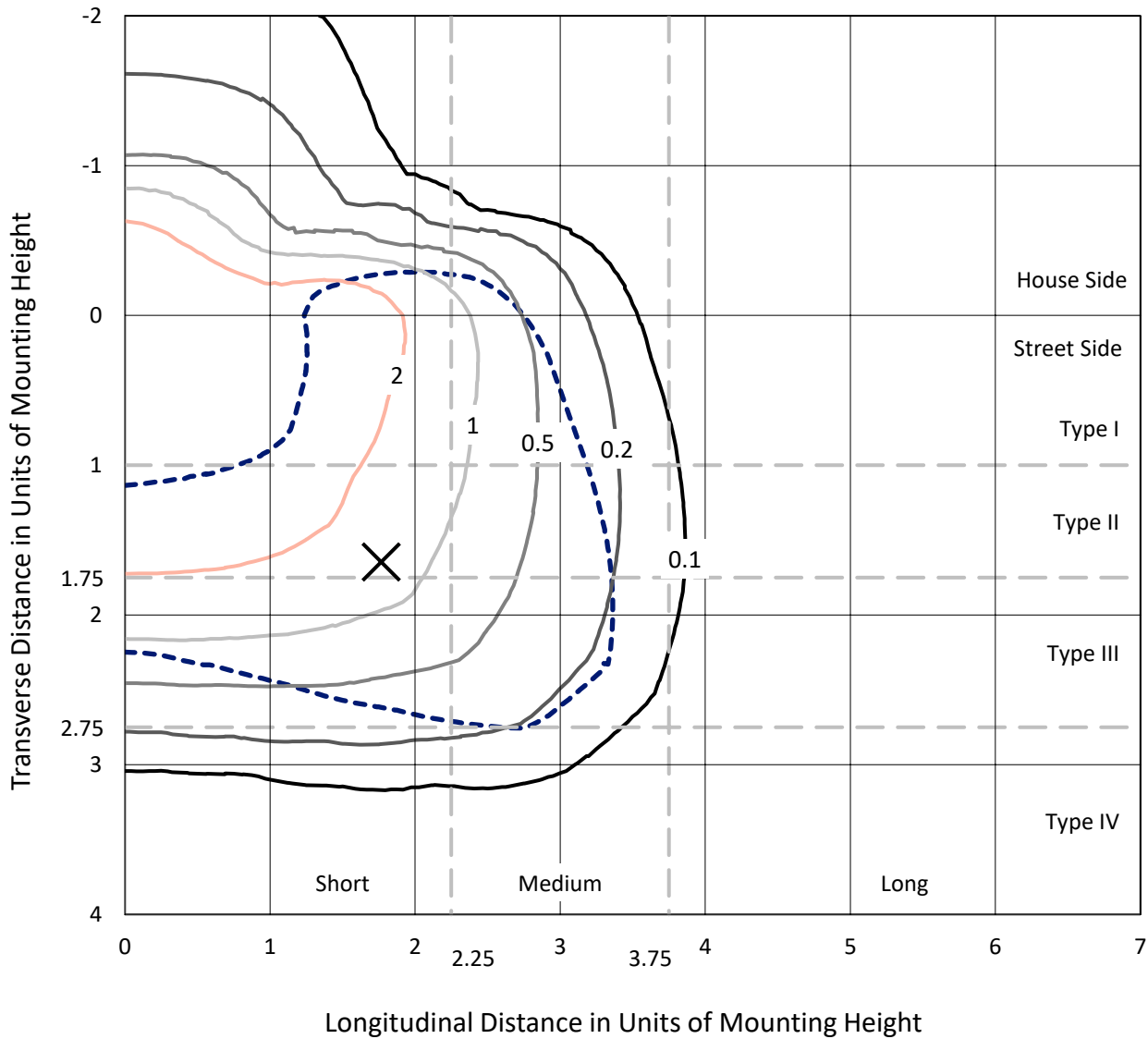
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629379
 CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

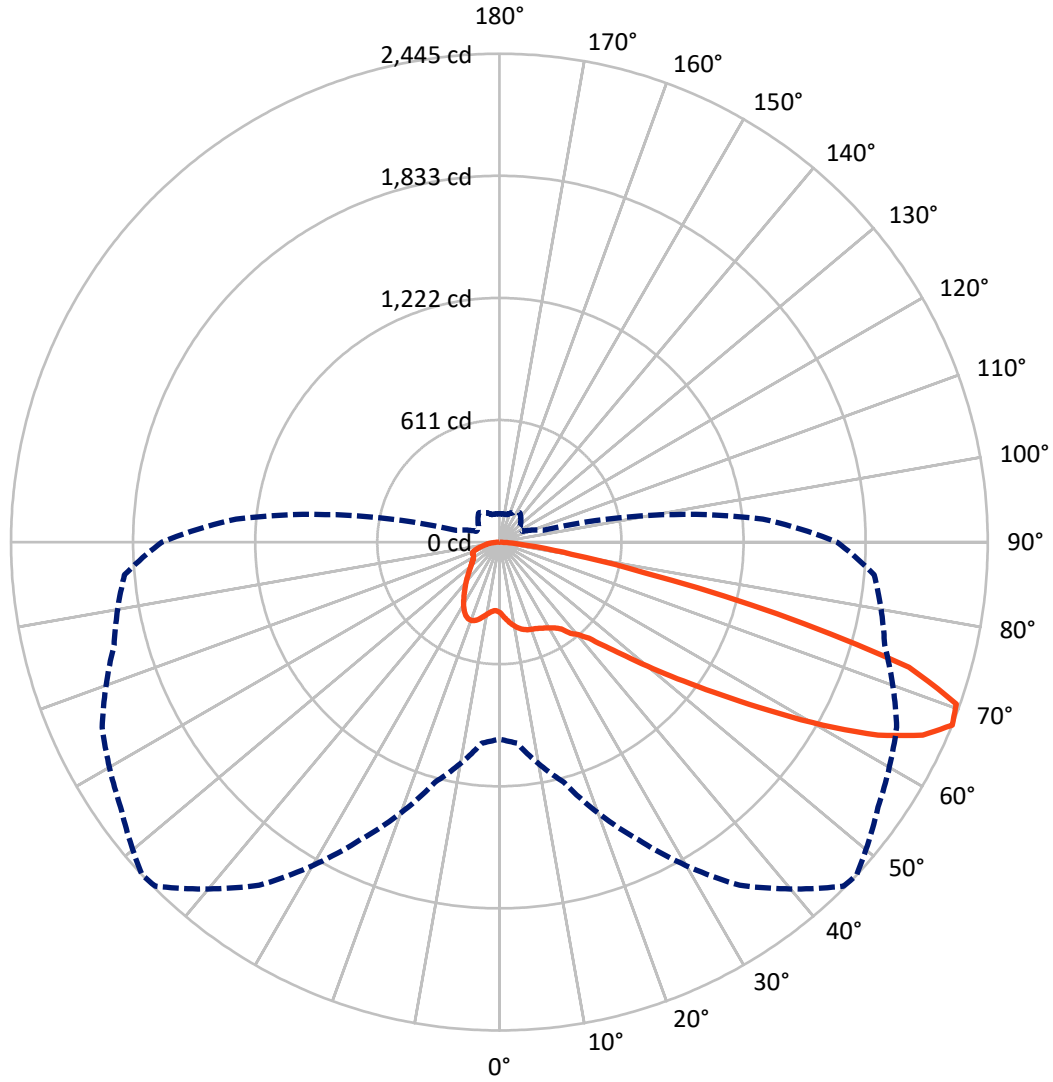
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

REPORT NUMBER: P629379
CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629379

CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.8	0.0	809.8
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2743.5	0.0	2743.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	3553.3	0.0	3553.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.0
10°-20°	119.9	3.4
20°-30°	203.9	5.7
30°-40°	298.6	8.4
40°-50°	455.0	12.8
50°-60°	814.1	22.9
60°-70°	1086.3	30.6
70°-80°	491.3	13.8
80°-90°	48.1	1.4
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°	3553.3	100.0
0°-180°	3553.3	100.0

Coefficient of Utilization



REPORT NUMBER: P629379

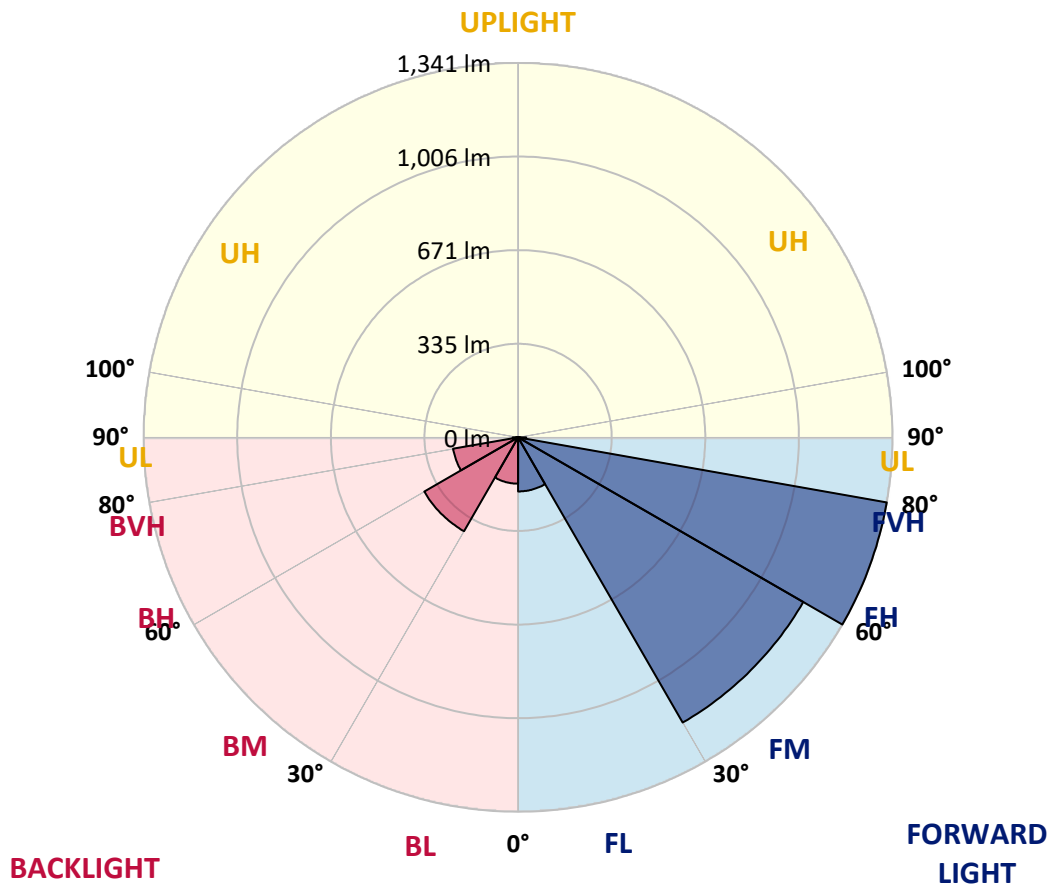
CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.8	5.5			
FM (30°-60°)	1179.7	33.2			
FH (60°-80°)	1341.3	37.7			G1/1800
FVH (80°-90°)	28.6	0.8			G1/100
BL (0°-30°)	166.0	4.7	B1/500		
BM (30°-60°)	388.0	10.9	B1/1000		
BH (60°-80°)	236.3	6.6	B1/500		G1/500
BVH (80°-90°)	19.5	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





REPORT NUMBER: P629379
 CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2
2.5°	375.6	376.9	376.7	374.6	373.3	371.0	371.3	367.7	362.3	358.7	354.6
5°	408.8	410.8	408.3	404.9	399.8	392.3	391.6	383.3	373.1	365.9	358.4
7.5°	437.5	438.8	435.7	430.1	422.6	412.6	410.8	401.1	388.2	376.9	366.1
10°	459.9	461.4	457.3	449.9	440.1	430.1	428.8	418.8	405.2	391.8	378.2
12.5°	478.9	479.4	475.1	465.0	454.5	444.2	442.9	433.7	421.1	407.5	392.6
15°	490.0	490.2	484.8	473.8	463.8	454.8	454.0	446.0	434.5	421.6	405.7
17.5°	489.2	489.7	485.8	476.1	467.3	462.0	461.2	456.0	447.0	435.5	419.6
20°	479.7	480.2	477.6	471.2	466.6	465.0	465.3	463.8	458.4	448.8	432.7
22.5°	472.2	473.0	470.7	466.1	465.5	469.1	469.9	470.7	468.1	459.6	444.0
25°	475.8	477.1	473.5	467.1	468.1	476.1	477.6	480.2	478.1	470.9	457.3
27.5°	500.7	501.5	492.3	479.2	476.1	484.6	486.9	491.0	489.4	482.8	472.2
30°	558.6	558.0	538.3	506.1	493.3	496.6	498.4	504.3	504.9	500.5	490.5
32.5°	640.0	637.4	606.9	555.7	518.5	510.3	512.3	520.3	526.2	521.6	507.9
35°	726.1	723.8	690.1	630.2	565.0	536.5	534.1	540.3	549.3	536.5	516.9
37.5°	808.0	804.4	770.0	696.0	622.3	582.4	579.1	572.9	567.5	542.9	528.0
40°	899.0	894.9	864.8	781.1	685.5	617.6	609.2	584.8	579.9	564.2	556.8
42.5°	996.1	996.1	971.2	888.7	761.8	668.0	657.0	620.2	625.4	615.1	606.3
45°	1093.2	1096.0	1076.3	997.1	863.8	763.1	745.3	693.2	705.5	700.9	696.5
47.5°	1175.9	1181.3	1177.5	1107.9	988.6	878.7	851.7	797.5	824.0	835.0	847.3
50°	1265.1	1271.0	1267.2	1239.7	1134.8	1018.7	994.6	938.5	984.0	1017.2	1057.5
52.5°	1397.4	1405.9	1373.8	1363.2	1312.4	1177.7	1156.2	1092.4	1174.9	1229.9	1319.8
55°	1509.2	1508.9	1497.6	1521.8	1503.0	1372.2	1348.3	1290.5	1395.9	1454.2	1585.7
57.5°	1561.1	1567.2	1606.0	1674.4	1711.9	1609.9	1587.0	1527.9	1633.0	1663.3	1805.4
60°	1587.8	1595.5	1670.5	1805.7	1906.6	1869.4	1860.4	1785.1	1844.2	1840.6	1990.7
62.5°	1550.3	1565.7	1686.2	1865.8	2045.6	2130.2	2127.3	2013.5	2023.8	1988.6	2105.5
65°	1378.1	1394.8	1583.9	1835.7	2125.0	2328.5	2329.3	2220.3	2161.8	2060.5	2086.2
67.5°	985.6	1009.5	1243.3	1642.5	2097.0	2435.7	2444.6	2314.1	2194.1	1996.8	1883.8
70°	537.2	554.7	737.9	1193.9	1844.7	2410.0	2426.7	2268.9	2051.3	1727.3	1450.1
72.5°	244.1	249.7	343.3	655.2	1260.2	2074.4	2144.3	2024.8	1684.7	1275.9	922.1
75°	111.8	114.3	149.5	313.4	658.5	1388.2	1437.2	1508.2	1172.3	805.7	480.7
77.5°	70.1	70.9	85.0	143.4	328.4	692.9	744.6	898.0	686.5	398.7	200.9
80°	41.4	42.1	52.9	77.6	154.2	317.0	366.1	355.1	322.7	172.1	91.5
82.5°	20.8	21.6	30.6	44.2	84.0	126.2	148.5	149.3	120.2	93.3	51.6
85°	7.5	7.7	10.0	17.5	35.7	41.6	46.5	56.8	58.8	54.2	24.9
87.5°	0.0	0.0	0.3	0.5	1.0	4.1	4.4	8.2	17.2	19.3	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629379
 CATALOG NUMBER: GWS-SA1B-740-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2
2.5°	353.3	349.4	348.1	346.8	344.8	344.0	342.5	340.9	340.9	339.4	338.6
5°	355.1	349.9	346.6	345.1	343.8	344.5	344.5	345.1	346.8	345.8	346.3
7.5°	361.5	355.6	351.0	349.7	349.7	352.8	354.8	357.4	360.7	361.2	361.2
10°	372.8	365.9	361.0	360.2	361.5	365.9	368.9	372.0	376.1	376.4	376.9
12.5°	385.1	378.2	373.3	374.3	375.6	381.3	384.6	387.2	391.3	391.3	391.0
15°	398.0	390.3	386.2	388.2	392.1	398.5	399.0	399.3	401.3	400.8	400.5
17.5°	411.3	403.1	400.0	403.1	407.2	410.3	407.7	404.1	403.4	402.3	401.8
20°	424.4	416.0	414.7	417.0	418.3	415.7	407.7	401.1	398.0	396.4	395.9
22.5°	435.7	428.6	427.8	427.8	421.4	412.4	400.5	391.6	387.4	385.4	384.9
25°	449.1	442.4	441.1	434.2	417.8	401.3	385.4	377.2	373.8	372.8	373.1
27.5°	464.8	460.2	456.0	436.3	407.5	381.8	363.8	360.2	358.9	360.2	361.0
30°	484.0	479.4	470.2	433.7	391.0	356.4	339.1	338.9	342.7	346.1	346.6
32.5°	499.7	497.7	482.5	425.5	367.9	328.4	313.7	314.7	321.7	326.3	327.1
35°	512.1	515.4	492.8	411.9	340.4	301.9	290.3	290.8	294.7	301.1	301.4
37.5°	529.5	540.8	502.0	391.0	308.8	279.0	268.5	264.6	264.1	265.9	266.4
40°	564.7	581.7	508.7	360.7	278.3	258.5	246.6	239.2	232.8	227.9	226.4
42.5°	617.9	637.4	512.6	324.0	251.0	238.2	224.8	215.3	204.0	193.7	190.1
45°	715.5	722.0	512.6	284.9	226.9	219.2	205.8	194.5	180.1	168.0	165.5
47.5°	871.7	851.2	513.1	247.2	205.5	202.5	190.9	178.0	162.1	152.1	150.6
50°	1107.1	1034.9	523.6	215.8	187.8	188.3	179.8	165.7	151.3	143.9	142.6
52.5°	1373.8	1261.2	551.9	192.7	172.9	176.8	172.1	158.5	145.7	139.3	138.0
55°	1624.5	1469.4	576.0	176.3	160.3	167.0	166.7	154.2	142.6	136.2	135.4
57.5°	1837.8	1611.9	572.4	162.9	149.5	158.0	161.9	151.3	140.5	135.1	134.4
60°	1970.4	1687.5	521.3	150.6	141.3	151.6	159.0	150.6	141.6	140.3	140.5
62.5°	2027.9	1673.6	423.2	141.3	135.9	148.5	162.1	156.0	151.1	154.2	156.0
65°	1938.5	1554.4	311.4	134.4	130.8	149.3	169.3	164.4	151.1	153.1	153.9
67.5°	1690.3	1323.2	225.1	127.4	124.4	151.6	179.6	163.1	142.3	142.3	140.8
70°	1218.1	951.7	163.4	120.5	117.9	148.2	180.1	154.4	132.3	131.5	127.7
72.5°	733.0	561.4	127.4	112.8	108.2	131.5	168.8	144.1	122.6	116.1	111.5
75°	380.8	281.3	106.9	104.3	92.8	111.5	154.4	128.2	104.8	99.2	96.6
77.5°	163.1	131.5	91.7	93.0	77.1	93.8	124.6	111.0	93.0	85.8	83.5
80°	80.4	74.8	72.5	74.5	61.7	72.5	107.4	97.1	78.9	70.7	67.3
82.5°	46.0	43.7	52.2	52.9	43.9	60.6	90.7	82.2	65.3	56.3	50.9
85°	21.3	22.9	31.6	31.9	27.2	41.6	59.3	46.2	34.7	28.8	27.5
87.5°	8.5	10.0	13.9	13.6	8.0	7.7	5.1	2.8	2.3	2.1	1.8
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)