

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: P629426

Luminaire Tested: GWS-SA1B-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629426
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-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3668.6 lumens
Efficiency: N/A
Efficacy: 146.7 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

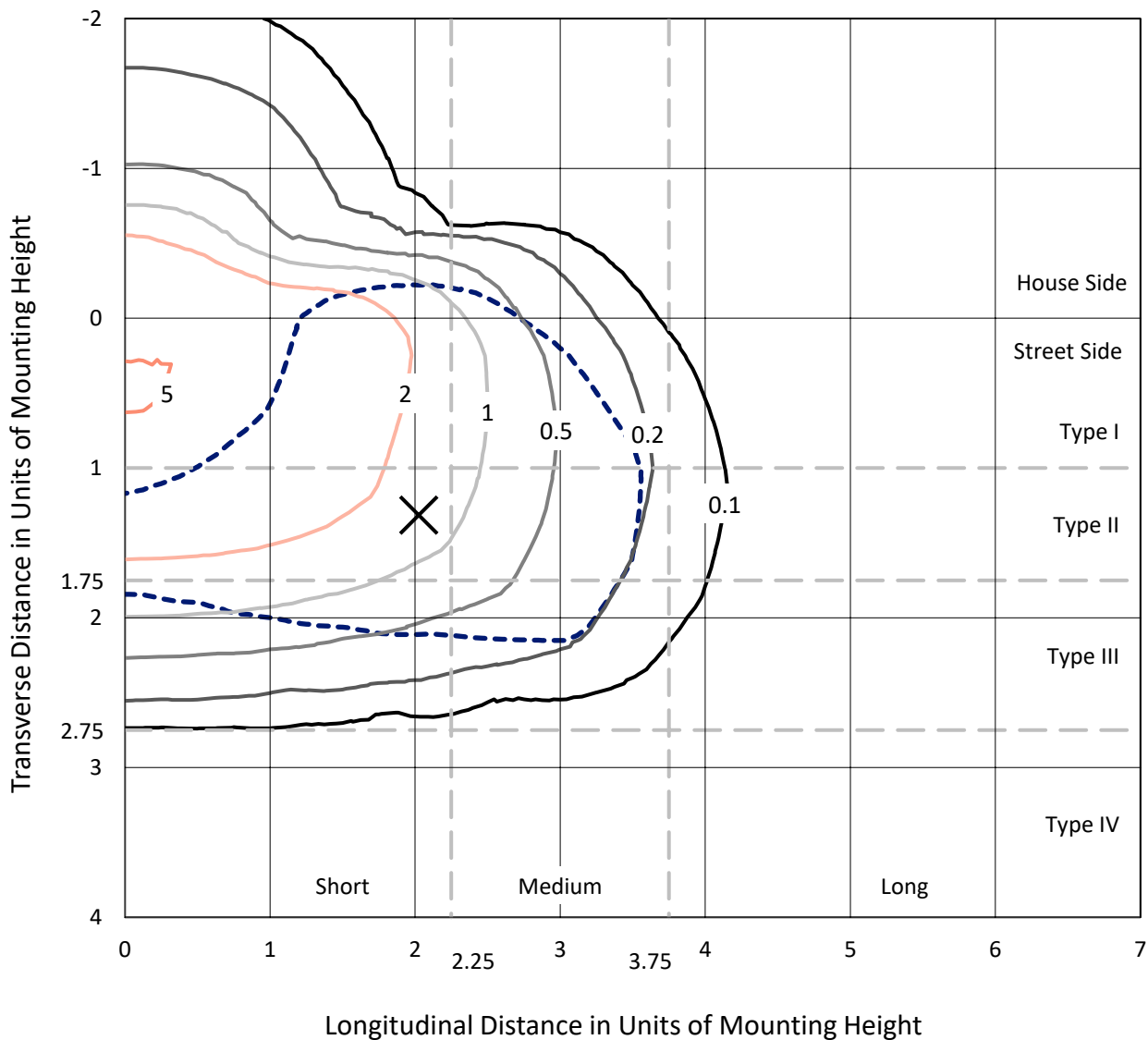
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

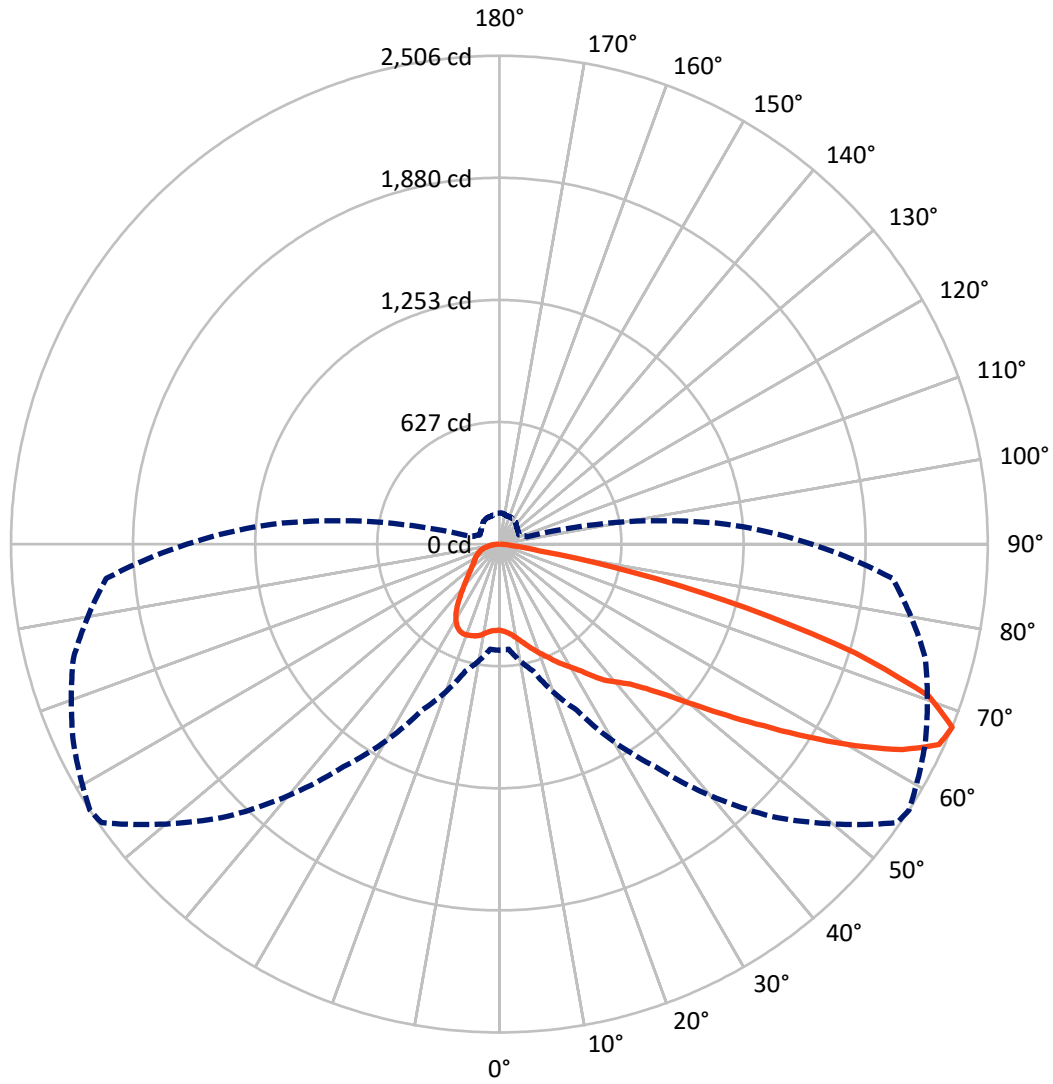
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	806.6	0.0	806.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2862.0	0.0	2862.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	3668.6	0.0	3668.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.2
10°-20°	145.1	4.0
20°-30°	258.8	7.1
30°-40°	376.2	10.3
40°-50°	544.5	14.8
50°-60°	852.1	23.2
60°-70°	994.0	27.1
70°-80°	414.9	11.3
80°-90°	39.2	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°	3668.6	100.0
0°-180°	3668.6	100.0

Coefficient of Utilization



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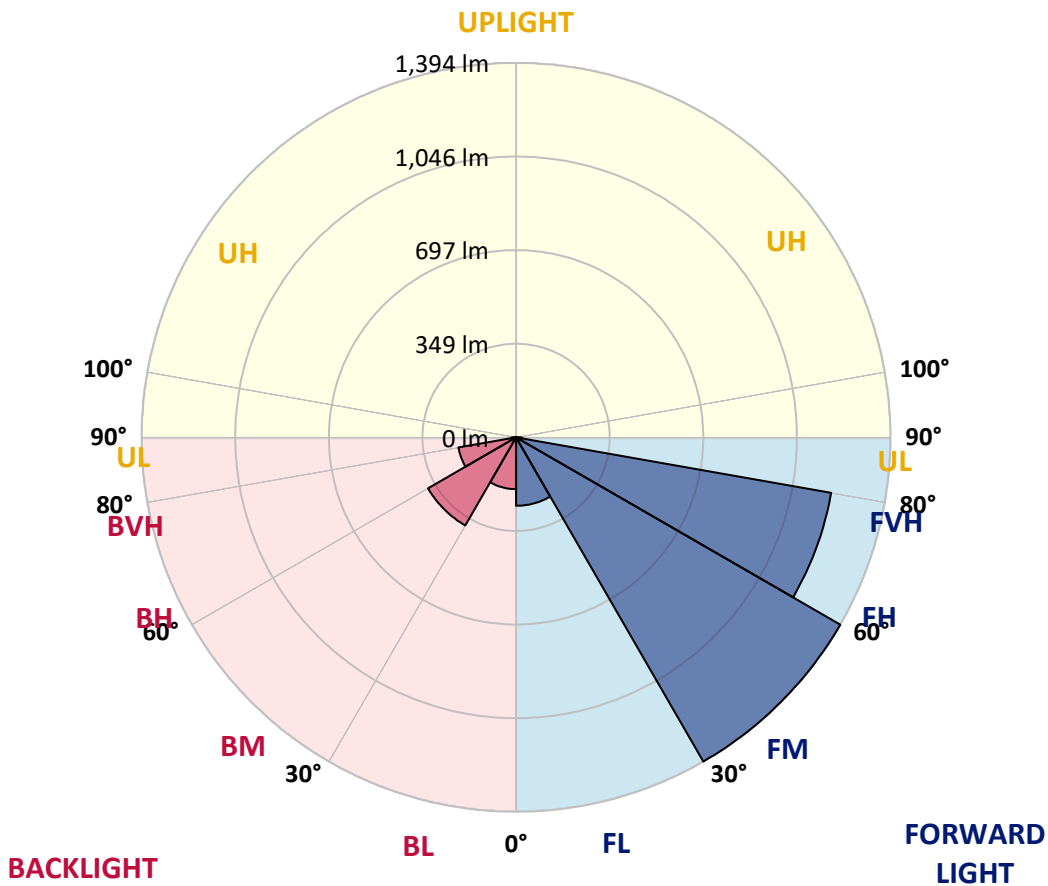
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.8	6.9			
FM (30°-60°)	1394.1	38.0			
FH (60°-80°)	1191.3	32.5			G1/1800
FVH (80°-90°)	21.8	0.6			G1/100
BL (0°-30°)	192.9	5.3	B1/500		
BM (30°-60°)	378.6	10.3	B1/1000		
BH (60°-80°)	217.7	5.9	B1/500		G1/500
BVH (80°-90°)	17.3	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°	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0
2.5°	448.3	447.8	447.6	449.1	448.6	448.3	448.3	448.1	447.6	445.5	442.6
5°	460.7	459.6	458.6	459.9	458.9	457.8	457.5	457.0	455.2	452.0	447.6
7.5°	473.6	472.5	472.8	473.6	472.8	472.3	471.5	471.0	468.1	463.1	457.0
10°	491.7	491.7	492.2	493.0	493.3	492.5	490.9	490.1	486.7	480.4	472.0
12.5°	518.0	517.5	517.5	516.9	517.7	516.9	515.4	514.1	509.8	501.7	489.6
15°	552.7	550.6	548.7	545.3	544.3	541.4	541.9	541.1	537.2	526.1	510.9
17.5°	589.7	589.5	586.6	579.8	572.9	568.2	569.2	569.0	566.9	551.9	532.4
20°	622.3	623.6	621.0	615.8	606.6	597.6	597.1	598.4	595.8	580.8	553.7
22.5°	658.9	657.8	655.2	648.3	641.5	632.1	628.9	627.8	626.8	609.7	575.5
25°	693.5	696.7	693.3	687.0	676.5	666.2	663.6	664.6	661.7	639.1	598.9
27.5°	737.4	738.8	736.6	728.0	719.0	704.6	699.6	699.6	698.5	666.7	617.3
30°	784.2	787.9	784.2	777.1	767.9	747.2	736.4	735.3	732.2	695.1	638.9
32.5°	831.3	833.9	831.3	824.4	813.9	795.8	780.3	777.9	773.7	726.1	661.0
35°	873.0	875.4	874.9	876.5	867.8	844.9	835.5	834.4	823.4	766.6	690.9
37.5°	918.8	921.7	917.7	920.9	917.5	895.9	893.0	887.8	872.0	804.7	722.5
40°	970.8	973.4	967.1	968.4	964.5	952.4	937.7	930.6	907.2	846.0	772.1
42.5°	1026.5	1032.6	1035.5	1033.1	1023.9	1017.1	991.3	982.4	962.9	920.4	853.9
45°	1107.2	1116.1	1120.3	1114.3	1110.4	1100.6	1069.1	1058.3	1048.1	1025.2	967.9
47.5°	1194.2	1202.3	1215.7	1218.4	1221.5	1214.2	1169.8	1159.2	1161.1	1158.5	1108.3
50°	1263.6	1270.4	1300.6	1333.0	1359.8	1361.9	1305.1	1293.8	1303.8	1312.2	1277.2
52.5°	1314.0	1320.1	1360.0	1426.8	1487.5	1532.4	1471.2	1458.3	1466.5	1485.4	1469.4
55°	1355.0	1363.4	1405.2	1507.7	1630.5	1701.4	1662.3	1646.0	1642.5	1665.9	1675.1
57.5°	1376.6	1379.2	1437.8	1571.1	1735.3	1867.2	1884.3	1865.9	1833.3	1846.2	1894.0
60°	1327.4	1331.9	1412.1	1587.4	1818.1	2031.8	2117.4	2102.2	2032.8	2039.9	2092.7
62.5°	1191.6	1197.9	1294.3	1509.8	1824.9	2141.6	2332.7	2323.0	2229.9	2191.5	2207.3
65°	955.8	957.9	1057.8	1318.0	1689.1	2155.3	2482.7	2480.4	2367.6	2277.7	2210.2
67.5°	545.1	541.4	674.9	940.1	1393.9	1977.6	2492.5	2506.4	2412.3	2263.6	2026.2
70°	236.3	236.8	298.3	463.9	902.2	1598.4	2315.1	2339.0	2283.0	2027.3	1612.1
72.5°	109.3	110.9	137.4	200.8	385.3	991.6	1887.7	1909.3	1861.2	1622.6	1172.9
75°	77.3	78.6	91.7	115.1	177.1	386.3	1262.8	1308.0	1331.4	1213.6	772.9
77.5°	58.6	60.4	67.0	79.9	109.3	136.9	604.2	711.9	848.1	755.0	398.2
80°	37.3	37.3	44.4	53.3	66.8	71.2	174.5	206.8	415.0	311.2	156.4
82.5°	25.2	26.0	30.2	33.9	38.4	40.5	74.9	79.9	119.8	105.9	64.4
85°	13.4	13.9	15.8	15.5	18.4	16.0	31.5	31.3	43.9	48.1	24.4
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.4	3.7	9.2	14.7	8.1
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°	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0	442.0
2.5°	444.1	441.0	442.6	442.0	443.6	443.6	440.7	439.9	440.2	437.0	436.0
5°	448.1	444.4	445.2	444.1	445.7	447.0	445.7	445.7	447.3	444.9	443.6
7.5°	457.0	452.8	452.8	451.5	453.3	454.4	453.3	454.9	457.8	455.4	454.1
10°	471.2	466.2	466.5	464.9	465.7	465.2	461.0	459.6	460.4	458.3	457.3
12.5°	489.6	482.8	482.8	479.6	477.8	472.3	463.6	460.4	461.0	459.1	458.3
15°	507.2	500.9	499.6	493.3	484.9	474.6	466.7	464.6	465.2	463.3	462.0
17.5°	528.0	519.8	515.1	503.5	488.0	477.5	469.6	464.6	460.4	456.2	455.2
20°	547.2	536.9	528.2	510.4	491.4	477.0	462.3	449.9	439.7	434.2	432.8
22.5°	566.9	553.7	538.5	515.1	491.2	467.5	440.5	421.8	406.6	398.4	400.0
25°	585.5	569.0	548.2	519.6	482.8	446.5	409.7	381.9	364.5	358.2	356.4
27.5°	601.0	580.5	557.2	517.5	465.4	416.3	367.7	336.7	319.8	312.7	310.9
30°	618.4	595.3	570.0	507.7	438.1	374.0	320.1	294.9	282.8	275.9	276.2
32.5°	638.4	614.2	588.2	489.1	403.1	328.2	280.9	263.6	253.9	247.0	246.0
35°	665.2	641.2	600.3	461.0	358.7	286.2	254.1	239.9	227.9	218.9	217.1
37.5°	698.3	682.0	601.6	423.4	311.2	257.3	234.9	219.7	205.0	193.2	191.8
40°	755.0	736.4	590.8	376.3	270.7	238.6	218.9	201.3	184.2	171.1	169.2
42.5°	836.0	797.6	567.7	323.3	240.2	223.9	203.7	181.3	164.0	154.8	153.5
45°	939.0	865.9	533.0	273.3	217.6	209.5	187.6	164.3	155.1	148.5	147.2
47.5°	1065.2	945.6	493.0	234.4	200.0	196.3	171.4	158.5	150.3	144.8	143.5
50°	1216.0	1047.0	460.2	203.9	184.2	181.1	166.1	155.1	148.5	144.0	143.0
52.5°	1388.1	1159.8	444.1	182.1	170.6	167.4	164.3	154.3	148.7	145.3	144.0
55°	1566.9	1278.6	429.2	165.3	159.0	160.8	164.5	156.9	152.7	148.2	146.9
57.5°	1739.5	1390.0	392.4	152.2	150.6	157.7	165.8	159.5	154.5	150.1	148.5
60°	1858.6	1451.0	330.1	141.7	144.3	153.7	162.4	155.6	149.3	147.4	146.6
62.5°	1890.6	1443.6	256.2	130.9	136.7	145.1	153.5	149.0	142.4	145.3	145.6
65°	1815.7	1364.8	192.4	120.4	126.7	133.8	144.3	142.4	140.1	148.0	148.2
67.5°	1603.6	1171.1	146.6	111.2	116.4	125.1	141.4	149.0	149.5	159.5	158.5
70°	1213.4	874.9	114.8	102.5	108.5	125.1	150.6	154.0	147.7	156.9	154.8
72.5°	838.9	577.4	97.8	94.9	98.8	119.3	150.3	150.3	143.5	143.5	139.6
75°	521.1	339.5	85.1	85.1	85.1	104.3	146.1	138.5	126.4	120.9	117.7
77.5°	257.3	165.0	71.5	74.1	71.2	87.3	119.3	113.3	105.9	100.1	98.0
80°	109.9	82.5	57.8	60.7	57.3	65.7	94.6	93.3	86.2	78.6	76.2
82.5°	50.5	42.6	46.3	47.6	41.8	49.4	69.1	69.1	65.2	54.7	50.7
85°	21.6	22.6	32.1	32.1	26.3	27.9	37.1	35.2	31.5	25.8	23.7
87.5°	7.4	11.0	16.3	14.2	5.5	2.4	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)