

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: P629377

Luminaire Tested: GWS-SA1B-740-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629377
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-740-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3461.8 lumens
Efficiency: N/A
Efficacy: 138.5 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

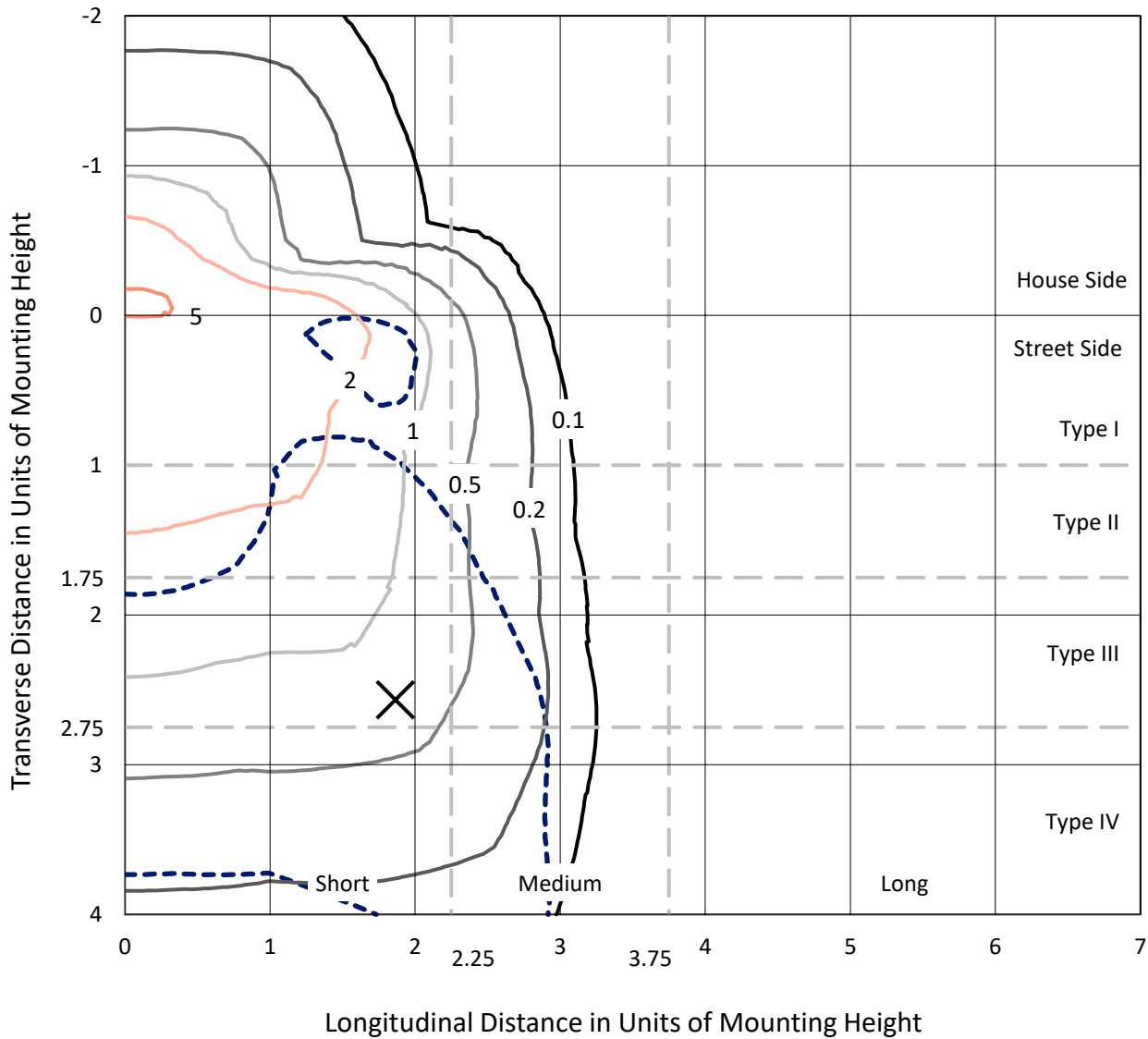
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

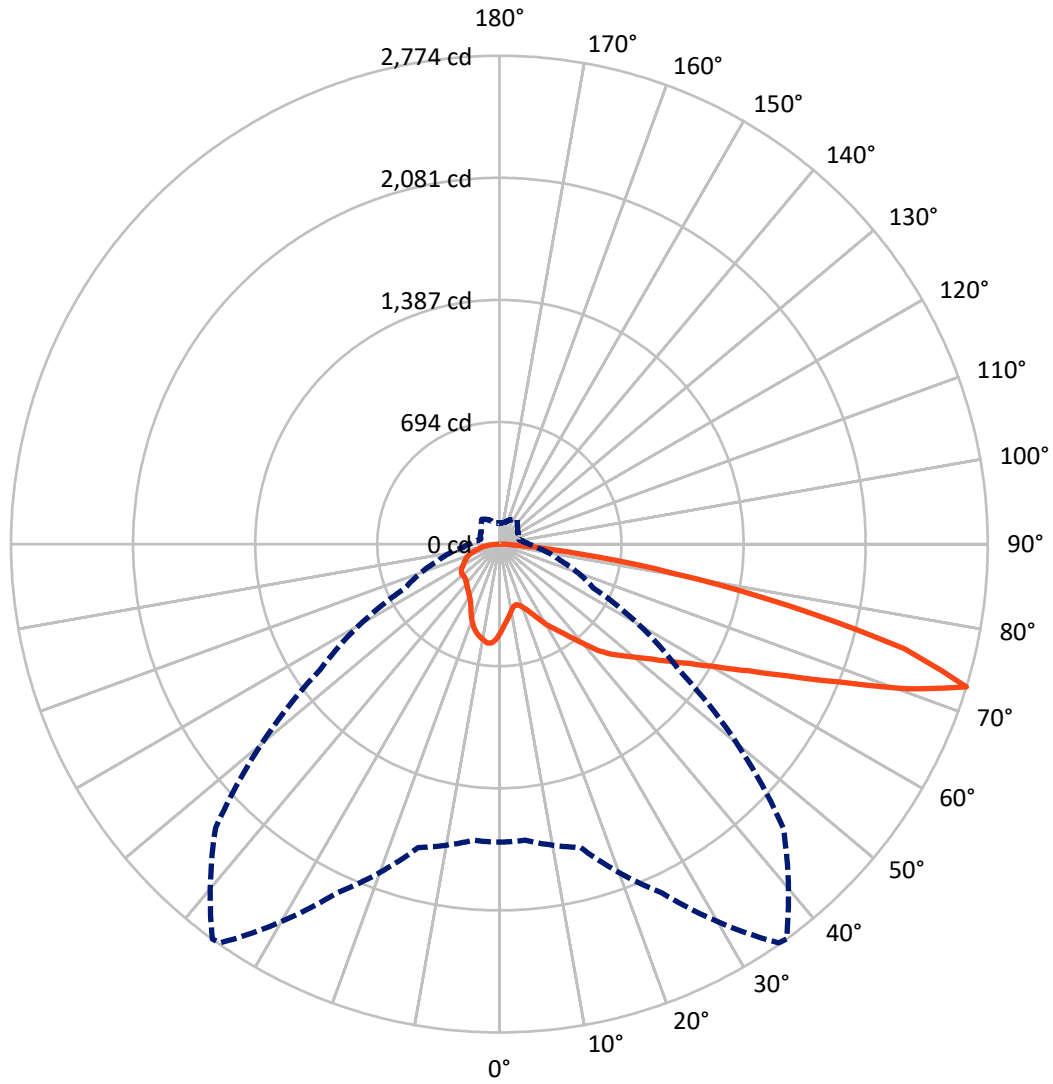
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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	798.1	0.0	798.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2663.7	0.0	2663.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	3461.8	0.0	3461.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.4
10°-20°	133.6	3.9
20°-30°	221.3	6.4
30°-40°	331.4	9.6
40°-50°	483.5	14.0
50°-60°	688.1	19.9
60°-70°	869.4	25.1
70°-80°	619.5	17.9
80°-90°	67.6	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°	3461.8	100.0
0°-180°	3461.8	100.0

Coefficient of Utilization



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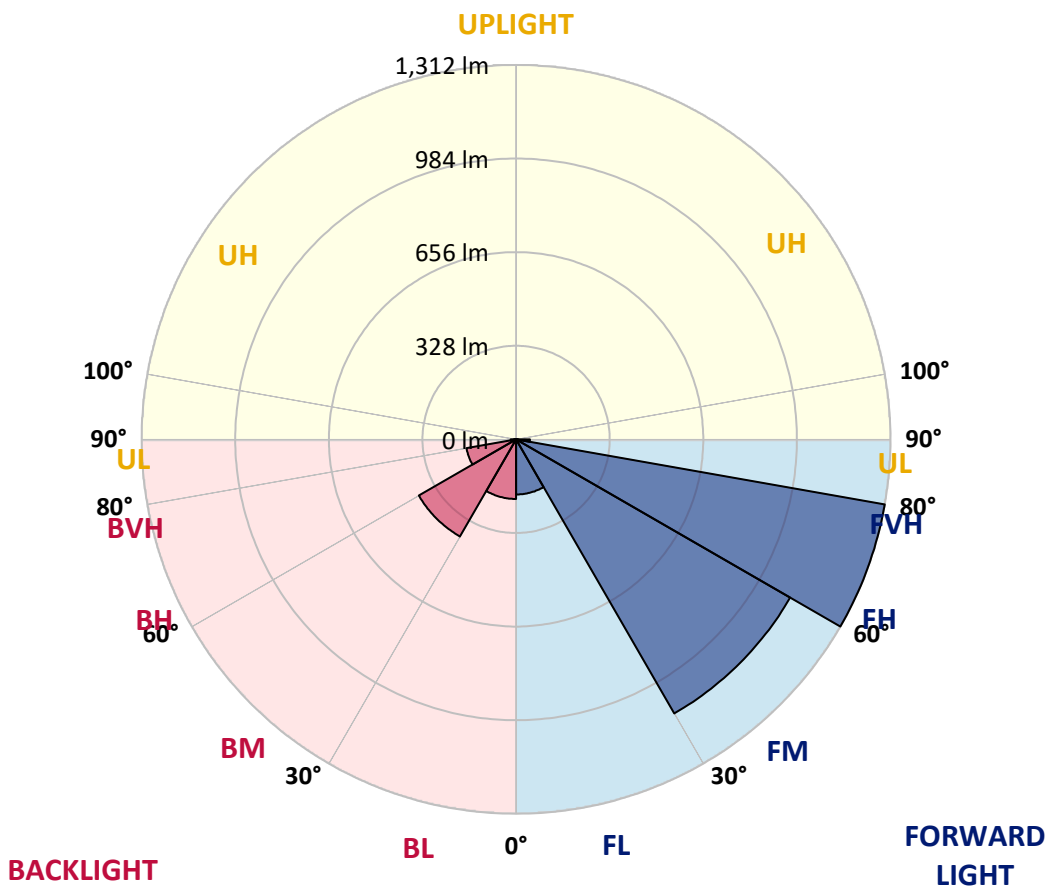
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.3	5.6			
FM (30°-60°)	1109.4	32.0			
FH (60°-80°)	1312.5	37.9			G1/1800
FVH (80°-90°)	48.5	1.4			G1/100
BL (0°-30°)	209.0	6.0	B1/500		
BM (30°-60°)	393.6	11.4	B1/1000		
BH (60°-80°)	176.4	5.1	B1/500		G1/500
BVH (80°-90°)	19.1	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°	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6
2.5°	462.2	461.4	459.9	464.5	469.1	468.6	475.0	481.2	487.9	494.8	504.1
5°	425.2	424.7	423.4	430.3	437.3	437.0	447.6	457.6	471.2	486.1	504.6
7.5°	388.2	386.9	388.7	397.5	407.2	408.2	422.6	439.1	458.9	481.2	507.4
10°	355.6	355.3	356.1	365.9	380.5	381.5	400.0	422.9	449.1	478.9	513.8
12.5°	347.1	346.6	344.5	349.4	360.5	362.0	382.3	410.3	442.4	480.2	522.6
15°	361.0	359.7	352.5	350.2	355.6	356.9	374.1	402.9	438.6	482.5	533.6
17.5°	384.9	384.1	370.5	361.0	364.6	365.6	378.4	401.6	437.5	487.1	547.2
20°	419.8	416.5	395.1	380.8	380.8	382.3	390.0	407.2	438.8	492.8	562.7
22.5°	466.1	459.4	429.3	409.8	404.7	406.7	410.0	421.4	444.2	502.3	581.9
25°	518.0	511.8	476.1	448.6	441.4	442.2	439.3	441.4	456.0	515.4	605.8
27.5°	573.2	569.1	531.1	496.1	484.8	484.8	474.8	469.9	472.5	530.3	632.5
30°	622.5	616.9	584.8	546.5	531.6	531.6	512.6	502.0	495.9	548.5	668.3
32.5°	648.5	645.1	623.8	594.5	576.3	573.4	557.0	544.7	530.3	575.5	716.6
35°	682.4	681.6	668.8	645.9	622.8	618.7	607.4	597.6	572.7	609.2	780.8
37.5°	725.0	723.7	721.7	708.1	680.3	679.6	669.5	657.7	625.3	657.7	858.6
40°	772.8	770.5	767.9	767.7	751.0	748.2	747.4	734.0	688.8	716.3	939.8
42.5°	838.6	830.6	806.5	817.3	829.6	827.0	836.8	816.8	767.9	785.9	1016.6
45°	919.5	900.0	852.2	855.3	886.4	891.5	925.4	920.6	855.0	866.3	1097.6
47.5°	968.1	951.1	906.7	904.1	942.9	949.3	1023.1	1032.3	948.8	963.2	1197.5
50°	1007.9	996.1	959.6	963.2	1004.3	1010.7	1119.9	1139.7	1037.2	1062.4	1313.6
52.5°	1055.9	1039.0	1010.7	1027.7	1078.0	1085.8	1227.6	1248.9	1116.8	1171.3	1433.9
55°	1082.9	1076.0	1076.5	1102.5	1165.7	1176.2	1340.4	1336.8	1189.8	1264.6	1524.3
57.5°	1145.1	1142.5	1166.2	1175.9	1267.9	1281.5	1453.2	1422.3	1256.1	1336.8	1567.7
60°	1254.8	1248.4	1268.9	1283.8	1394.3	1413.6	1579.0	1506.1	1301.1	1390.5	1553.1
62.5°	1409.0	1401.0	1401.8	1425.4	1563.6	1583.9	1719.1	1576.0	1314.9	1398.7	1460.3
65°	1600.6	1589.1	1576.0	1608.1	1788.4	1805.4	1871.4	1626.8	1281.8	1319.6	1266.6
67.5°	1802.8	1793.3	1777.9	1845.2	2079.5	2089.8	2042.3	1622.5	1176.7	1107.8	888.4
70°	1814.6	1817.0	1889.9	2133.5	2459.5	2462.1	2203.9	1534.6	952.9	718.1	442.7
72.5°	1692.9	1689.0	1784.1	2186.1	2765.3	2774.0	2280.2	1243.2	588.9	358.1	207.6
75°	1375.0	1381.7	1481.7	1912.8	2370.1	2377.8	1858.8	733.0	279.8	175.2	132.8
77.5°	591.9	629.2	826.3	1347.6	1697.5	1673.6	958.1	297.0	149.3	124.9	101.7
80°	170.9	185.5	294.4	640.8	1017.2	999.2	379.2	111.2	104.1	93.8	73.0
82.5°	55.2	61.1	107.9	255.1	455.8	455.3	143.9	65.8	68.1	63.7	47.0
85°	15.4	17.7	33.1	77.3	141.1	138.2	41.6	31.1	36.2	36.7	23.4
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.0	4.6	10.5	13.4	9.5
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°	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6	506.6
2.5°	509.7	509.0	519.5	527.7	535.4	540.6	542.1	543.1	545.2	546.2	545.2
5°	513.3	517.2	534.7	547.5	557.8	563.9	564.2	563.7	565.2	563.9	563.2
7.5°	521.0	528.5	550.6	564.2	570.9	571.1	565.0	557.8	554.2	551.1	550.1
10°	531.3	542.4	566.5	575.5	573.4	563.9	550.3	539.0	532.6	528.0	526.9
12.5°	545.4	557.8	580.6	580.4	567.5	550.6	534.7	521.0	511.8	506.4	504.6
15°	558.8	574.5	590.9	578.8	558.5	538.0	517.4	499.2	486.9	478.4	476.8
17.5°	575.2	591.9	598.4	574.0	547.2	520.8	493.3	469.4	452.7	442.7	441.9
20°	594.3	609.2	602.0	565.5	532.6	497.9	460.7	433.9	416.0	406.2	407.0
22.5°	616.4	627.1	603.0	553.9	512.3	465.5	423.9	398.2	386.2	381.0	381.3
25°	640.0	646.9	601.2	538.3	481.2	426.0	386.2	374.3	373.3	372.0	372.5
27.5°	668.0	666.5	595.8	516.2	439.3	380.0	359.7	362.8	366.9	366.4	366.9
30°	705.5	690.9	588.9	485.6	389.5	341.4	344.0	352.8	358.1	358.7	360.2
32.5°	748.4	717.8	577.8	444.0	342.0	319.9	329.4	339.9	346.3	347.6	349.7
35°	799.5	748.7	558.3	392.1	307.8	307.0	315.8	323.0	329.9	330.4	330.4
37.5°	858.4	779.5	527.2	334.8	286.7	296.0	304.2	305.7	307.5	306.0	306.8
40°	912.3	809.3	483.0	282.6	269.5	286.2	293.1	288.0	282.4	278.5	279.3
42.5°	957.5	829.6	424.4	246.1	252.0	277.5	282.9	272.3	261.3	254.1	255.1
45°	1008.4	848.4	355.6	221.5	237.1	271.3	274.9	261.3	247.2	236.4	234.8
47.5°	1078.6	886.6	294.4	204.3	226.6	268.0	273.9	255.4	236.9	220.7	218.9
50°	1165.1	940.8	243.3	192.9	221.7	266.2	273.6	249.0	226.9	207.8	206.6
52.5°	1259.7	993.8	205.5	184.2	216.8	260.8	272.3	241.8	216.3	195.8	194.2
55°	1322.6	1014.6	180.1	176.0	208.9	252.3	267.2	234.8	200.4	181.6	179.3
57.5°	1341.1	987.9	162.4	168.5	198.6	240.5	257.4	220.2	190.6	175.7	173.9
60°	1309.3	920.6	151.3	162.4	187.3	225.3	240.5	211.7	182.9	169.6	168.3
62.5°	1219.4	816.8	142.8	156.0	175.7	209.4	229.7	201.4	174.4	163.9	162.1
65°	1038.5	669.8	135.9	149.3	164.7	194.2	217.9	191.1	165.2	157.2	155.2
67.5°	726.3	470.4	128.5	141.3	153.6	179.6	205.5	181.6	155.7	149.8	147.7
70°	355.1	249.5	119.5	132.1	141.8	164.7	193.2	170.1	143.1	139.8	136.9
72.5°	169.1	139.5	108.9	119.5	125.6	144.9	172.7	153.4	128.2	121.0	116.1
75°	113.3	99.2	95.1	104.6	106.1	121.5	148.0	132.3	113.0	104.8	100.7
77.5°	85.8	75.8	79.9	88.4	85.3	99.9	121.8	117.9	102.0	94.5	92.5
80°	60.4	55.2	63.5	68.6	66.3	85.0	109.7	101.0	84.0	75.8	74.3
82.5°	38.0	37.0	46.8	47.5	48.3	67.3	90.2	79.4	65.3	53.7	49.8
85°	19.0	21.1	28.0	28.0	27.7	34.7	51.4	44.7	35.2	28.0	27.2
87.5°	6.4	9.0	12.1	9.8	7.5	5.9	6.7	8.2	8.7	8.5	8.5
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)