

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: P629481

Luminaire Tested: GWS-SA1B-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629481
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-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3618.4 lumens
Efficiency: N/A
Efficacy: 144.7 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

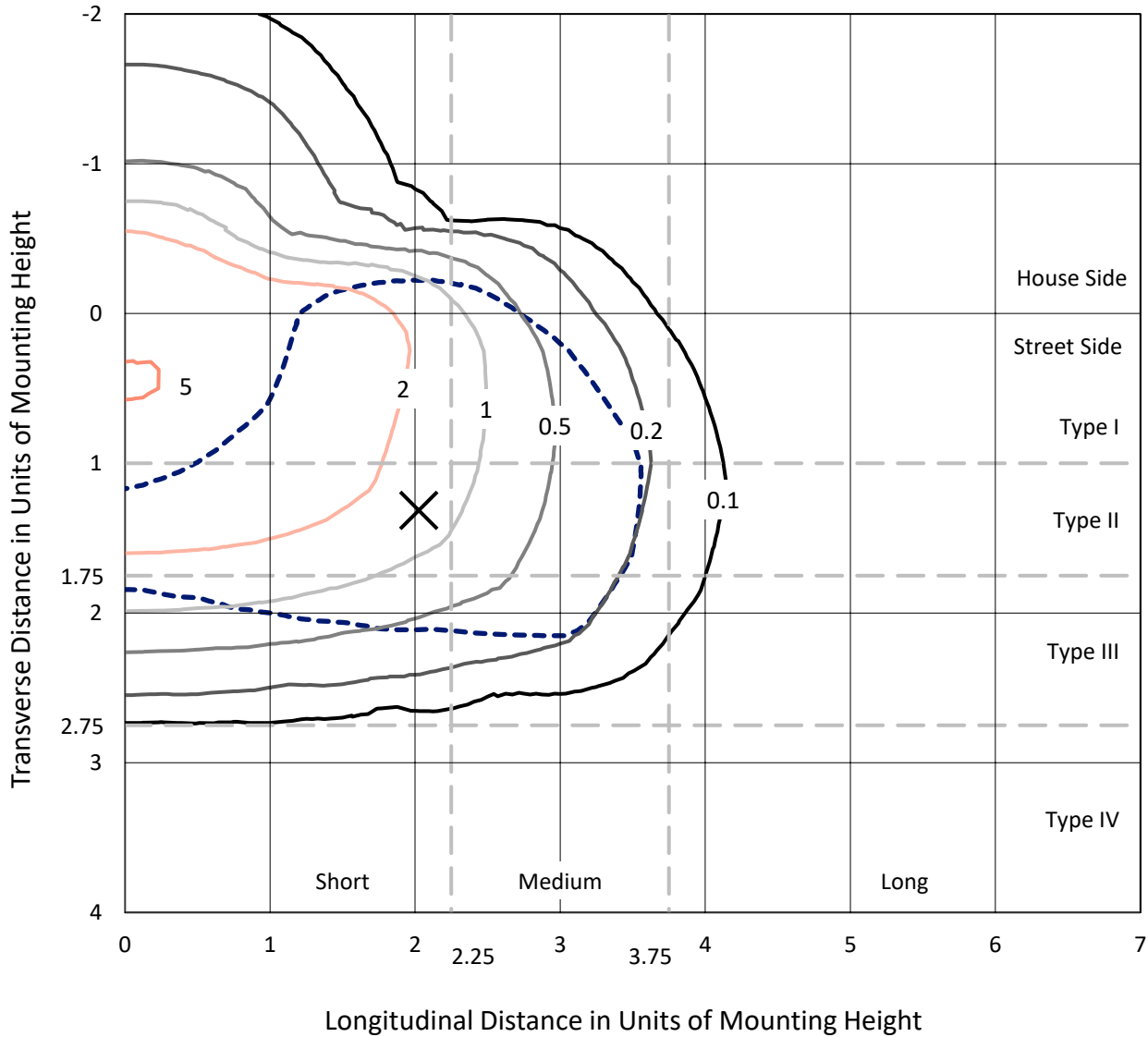
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

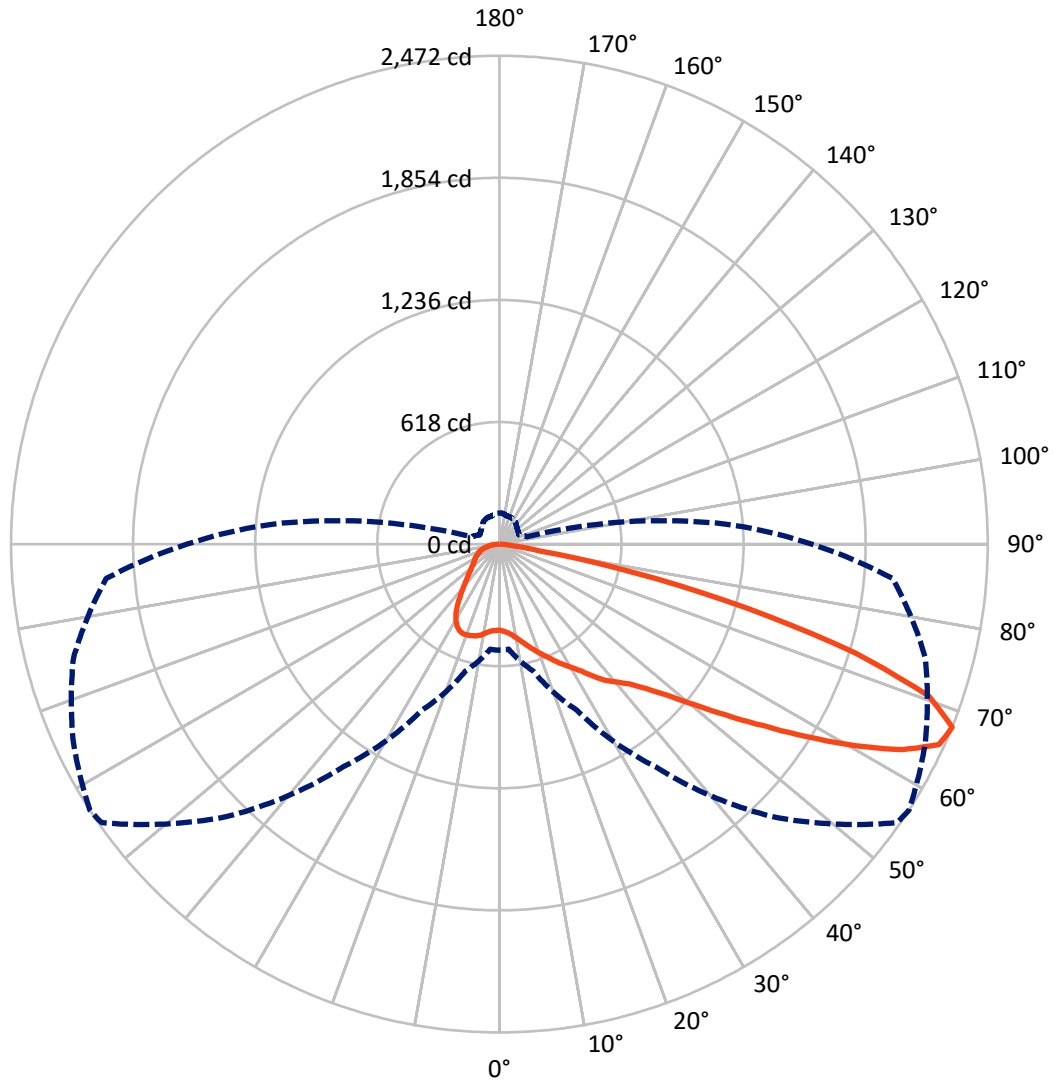
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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	795.5	0.0	795.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2822.9	0.0	2822.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	3618.4	0.0	3618.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.2
10°-20°	143.2	4.0
20°-30°	255.2	7.1
30°-40°	371.0	10.3
40°-50°	537.0	14.8
50°-60°	840.4	23.2
60°-70°	980.4	27.1
70°-80°	409.3	11.3
80°-90°	38.6	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°	3618.4	100.0
0°-180°	3618.4	100.0

Coefficient of Utilization



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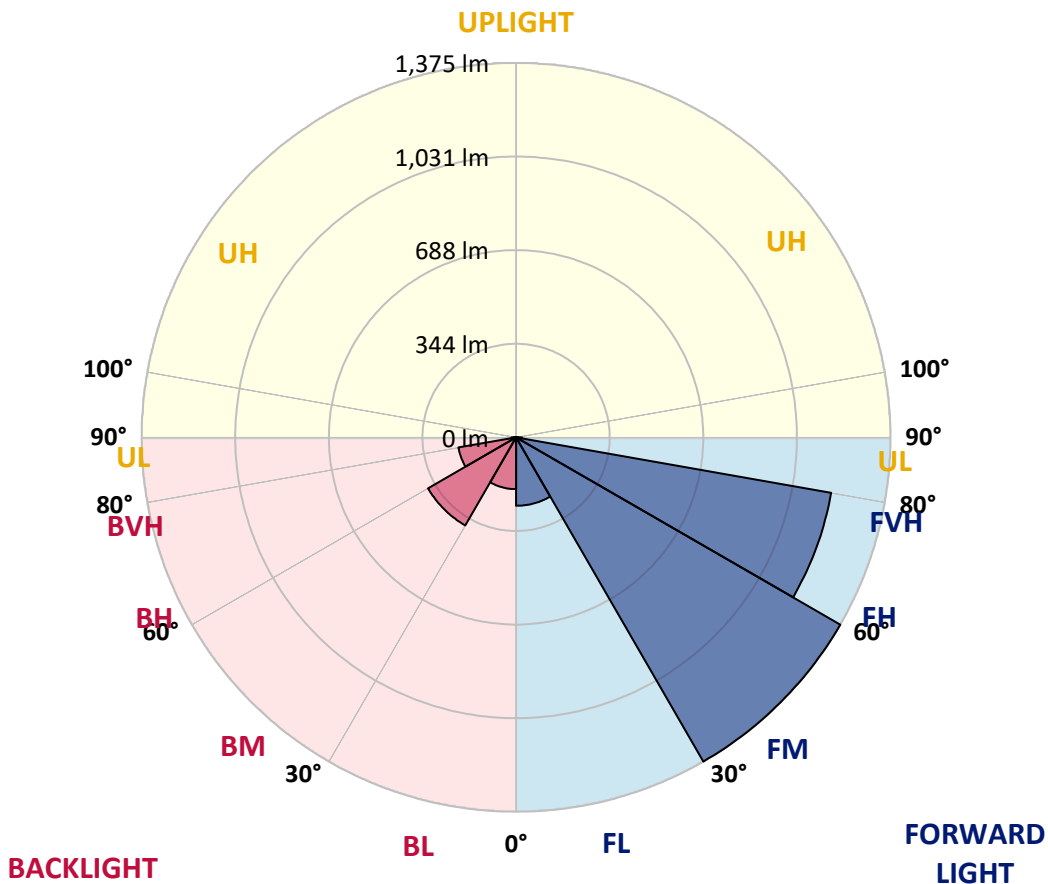
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.3	6.9			
FM (30°-60°)	1375.0	38.0			
FH (60°-80°)	1175.0	32.5			G1/1800
FVH (80°-90°)	21.5	0.6			G1/100
BL (0°-30°)	190.3	5.3	B1/500		
BM (30°-60°)	373.5	10.3	B1/1000		
BH (60°-80°)	214.7	5.9	B1/500		G1/500
BVH (80°-90°)	17.1	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°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	442.2	441.7	441.4	443.0	442.5	442.2	442.2	442.0	441.4	439.4	436.5
5°	454.4	453.4	452.3	453.6	452.6	451.5	451.3	450.8	449.0	445.8	441.4
7.5°	467.1	466.1	466.3	467.1	466.3	465.8	465.0	464.5	461.7	456.7	450.8
10°	485.0	485.0	485.5	486.3	486.5	485.8	484.2	483.4	480.1	473.8	465.5
12.5°	510.9	510.4	510.4	509.9	510.6	509.9	508.3	507.0	502.9	494.8	482.9
15°	545.1	543.0	541.2	537.9	536.8	534.0	534.5	533.7	529.8	518.9	503.9
17.5°	581.7	581.4	578.6	571.8	565.1	560.4	561.5	561.2	559.1	544.3	525.2
20°	613.8	615.1	612.5	607.3	598.3	589.4	588.9	590.2	587.6	572.9	546.2
22.5°	649.8	648.8	646.2	639.5	632.7	623.4	620.3	619.3	618.2	601.4	567.7
25°	684.1	687.2	683.8	677.6	667.2	657.1	654.5	655.5	652.7	630.4	590.7
27.5°	727.3	728.6	726.6	718.0	709.2	694.9	690.0	690.0	689.0	657.6	608.9
30°	773.5	777.1	773.5	766.5	757.4	736.9	726.3	725.3	722.2	685.6	630.1
32.5°	819.9	822.5	819.9	813.1	802.8	784.9	769.6	767.3	763.1	716.2	651.9
35°	861.1	863.4	862.9	864.5	855.9	833.4	824.0	823.0	812.1	756.1	681.5
37.5°	906.2	909.1	905.2	908.3	904.9	883.6	880.8	875.6	860.1	793.7	712.6
40°	957.5	960.1	953.9	955.2	951.3	939.4	924.9	917.9	894.8	834.4	761.6
42.5°	1012.5	1018.4	1021.3	1019.0	1009.9	1003.1	977.7	968.9	949.7	907.8	842.2
45°	1092.1	1100.9	1105.0	1099.1	1095.2	1085.6	1054.5	1043.8	1033.7	1011.2	954.7
47.5°	1177.9	1185.9	1199.1	1201.7	1204.8	1197.6	1153.7	1143.4	1145.2	1142.6	1093.1
50°	1246.3	1253.0	1282.8	1314.7	1341.2	1343.2	1287.2	1276.1	1285.9	1294.2	1259.8
52.5°	1296.1	1302.0	1341.4	1407.3	1467.1	1511.5	1451.1	1438.4	1446.4	1465.1	1449.2
55°	1336.5	1344.8	1386.0	1487.1	1608.1	1678.1	1639.5	1623.4	1620.1	1643.1	1652.2
57.5°	1357.7	1360.3	1418.1	1549.6	1711.6	1841.7	1858.5	1840.4	1808.3	1821.0	1868.1
60°	1309.3	1313.7	1392.7	1565.6	1793.2	2004.0	2088.5	2073.4	2005.0	2012.0	2064.1
62.5°	1175.3	1181.5	1276.6	1489.2	1800.0	2112.3	2300.8	2291.2	2199.4	2161.6	2177.1
65°	942.7	944.8	1043.3	1299.9	1665.9	2125.8	2448.8	2446.4	2335.2	2246.6	2180.0
67.5°	537.6	534.0	665.7	927.2	1374.9	1950.6	2458.4	2472.1	2379.3	2232.6	1998.5
70°	233.0	233.5	294.2	457.5	889.9	1576.5	2283.4	2307.0	2251.8	1999.6	1590.0
72.5°	107.8	109.4	135.6	198.0	380.0	978.0	1861.9	1883.2	1835.7	1600.4	1156.9
75°	76.2	77.5	90.5	113.5	174.7	381.0	1245.5	1290.1	1313.2	1197.0	762.3
77.5°	57.8	59.6	66.1	78.8	107.8	135.0	595.9	702.2	836.5	744.7	392.7
80°	36.8	36.8	43.8	52.6	65.8	70.2	172.1	204.0	409.3	306.9	154.2
82.5°	24.9	25.7	29.8	33.4	37.8	39.9	73.9	78.8	118.2	104.5	63.5
85°	13.2	13.7	15.6	15.3	18.1	15.8	31.1	30.8	43.3	47.4	24.1
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.4	3.6	9.1	14.5	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°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	438.1	435.0	436.5	436.0	437.5	437.5	434.7	433.9	434.2	431.1	430.0
5°	442.0	438.3	439.1	438.1	439.6	440.9	439.6	439.6	441.2	438.8	437.5
7.5°	450.8	446.6	446.6	445.3	447.1	448.2	447.1	448.7	451.5	449.2	447.9
10°	464.8	459.8	460.1	458.5	459.3	458.8	454.7	453.4	454.1	452.1	451.0
12.5°	482.9	476.2	476.2	473.1	471.2	465.8	457.2	454.1	454.7	452.8	452.1
15°	500.3	494.1	492.8	486.5	478.2	468.1	460.4	458.3	458.8	457.0	455.7
17.5°	520.8	512.7	508.1	496.6	481.4	471.0	463.2	458.3	454.1	450.0	449.0
20°	539.7	529.6	521.0	503.4	484.7	470.5	456.0	443.8	433.7	428.2	426.9
22.5°	559.1	546.2	531.1	508.1	484.5	461.1	434.4	416.0	401.0	393.0	394.5
25°	577.5	561.2	540.7	512.5	476.2	440.4	404.1	376.6	359.5	353.3	351.5
27.5°	592.8	572.6	549.5	510.4	459.1	410.6	362.6	332.0	315.5	308.5	306.6
30°	609.9	587.1	562.2	500.8	432.1	368.9	315.7	290.8	278.9	272.2	272.4
32.5°	629.6	605.8	580.1	482.4	397.6	323.8	277.1	260.0	250.4	243.7	242.6
35°	656.1	632.5	592.0	454.7	353.8	282.3	250.7	236.7	224.7	215.9	214.1
37.5°	688.7	672.7	593.3	417.6	306.9	253.8	231.7	216.7	202.2	190.5	189.2
40°	744.7	726.3	582.7	371.2	267.0	235.4	215.9	198.6	181.7	168.7	166.9
42.5°	824.5	786.7	559.9	318.8	236.9	220.8	200.9	178.9	161.7	152.7	151.4
45°	926.2	854.1	525.7	269.6	214.6	206.6	185.1	162.0	152.9	146.5	145.2
47.5°	1050.6	932.6	486.3	231.2	197.3	193.6	169.0	156.3	148.3	142.8	141.5
50°	1199.4	1032.7	453.9	201.1	181.7	178.6	163.8	152.9	146.5	142.0	141.0
52.5°	1369.2	1143.9	438.1	179.6	168.2	165.1	162.0	152.2	146.7	143.3	142.0
55°	1545.4	1261.1	423.3	163.0	156.8	158.6	162.3	154.7	150.6	146.2	144.9
57.5°	1715.7	1371.0	387.0	150.1	148.5	155.5	163.6	157.3	152.4	148.0	146.5
60°	1833.1	1431.1	325.6	139.7	142.3	151.6	160.2	153.5	147.2	145.4	144.6
62.5°	1864.8	1423.8	252.7	129.1	134.8	143.1	151.4	147.0	140.5	143.3	143.6
65°	1790.9	1346.1	189.7	118.7	124.9	131.9	142.3	140.5	138.2	145.9	146.2
67.5°	1581.7	1155.0	144.6	109.6	114.8	123.4	139.5	147.0	147.5	157.3	156.3
70°	1196.8	862.9	113.3	101.1	107.1	123.4	148.5	151.9	145.7	154.7	152.7
72.5°	827.4	569.5	96.4	93.6	97.5	117.7	148.3	148.3	141.5	141.5	137.6
75°	514.0	334.9	84.0	84.0	84.0	102.9	144.1	136.6	124.7	119.2	116.1
77.5°	253.8	162.8	70.5	73.1	70.2	86.1	117.7	111.7	104.5	98.8	96.7
80°	108.4	81.4	57.0	59.9	56.5	64.8	93.3	92.0	85.0	77.5	75.2
82.5°	49.8	42.0	45.6	46.9	41.2	48.7	68.2	68.2	64.3	53.9	50.0
85°	21.3	22.3	31.6	31.6	25.9	27.5	36.5	34.7	31.1	25.4	23.3
87.5°	7.3	10.9	16.1	14.0	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)