

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: P629369

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3059 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

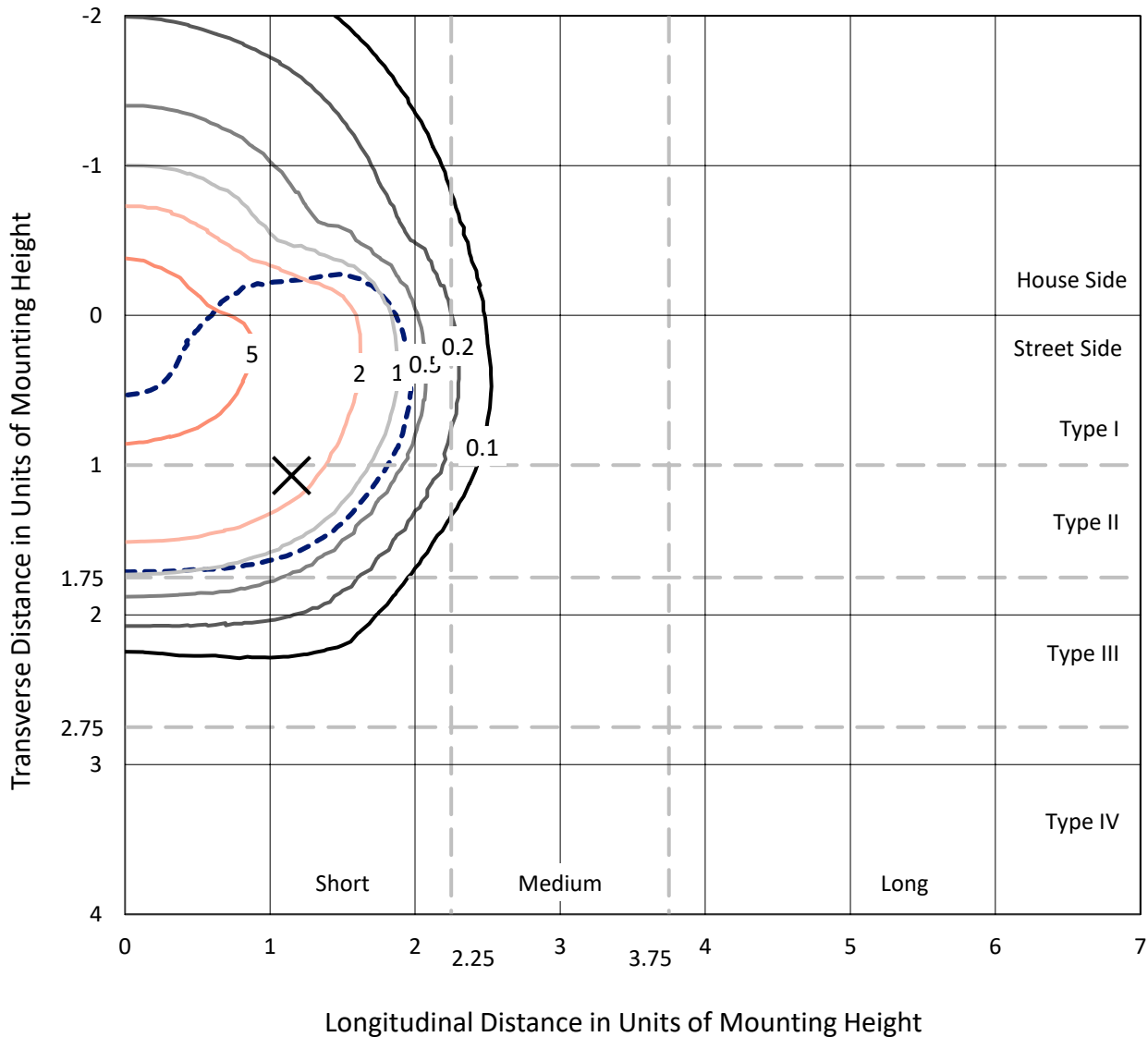
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

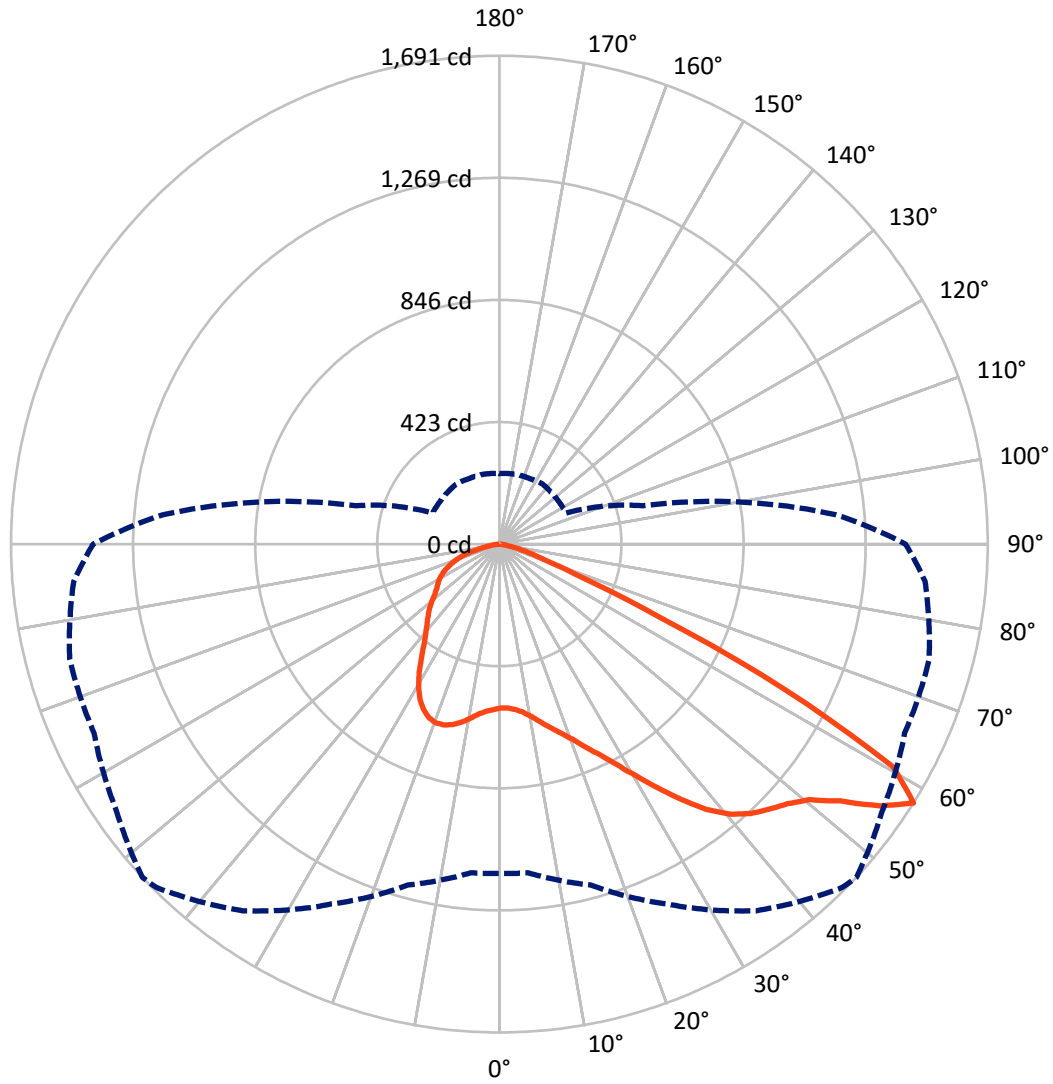
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	968.2	0.0	968.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2090.8	0.0	2090.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	3059.0	0.0	3059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.8
10°-20°	184.0	6.0
20°-30°	331.4	10.8
30°-40°	500.5	16.4
40°-50°	674.0	22.0
50°-60°	809.9	26.5
60°-70°	394.4	12.9
70°-80°	97.2	3.2
80°-90°	11.7	0.4
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°	3059.0	100.0
0°-180°	3059.0	100.0

Coefficient of Utilization

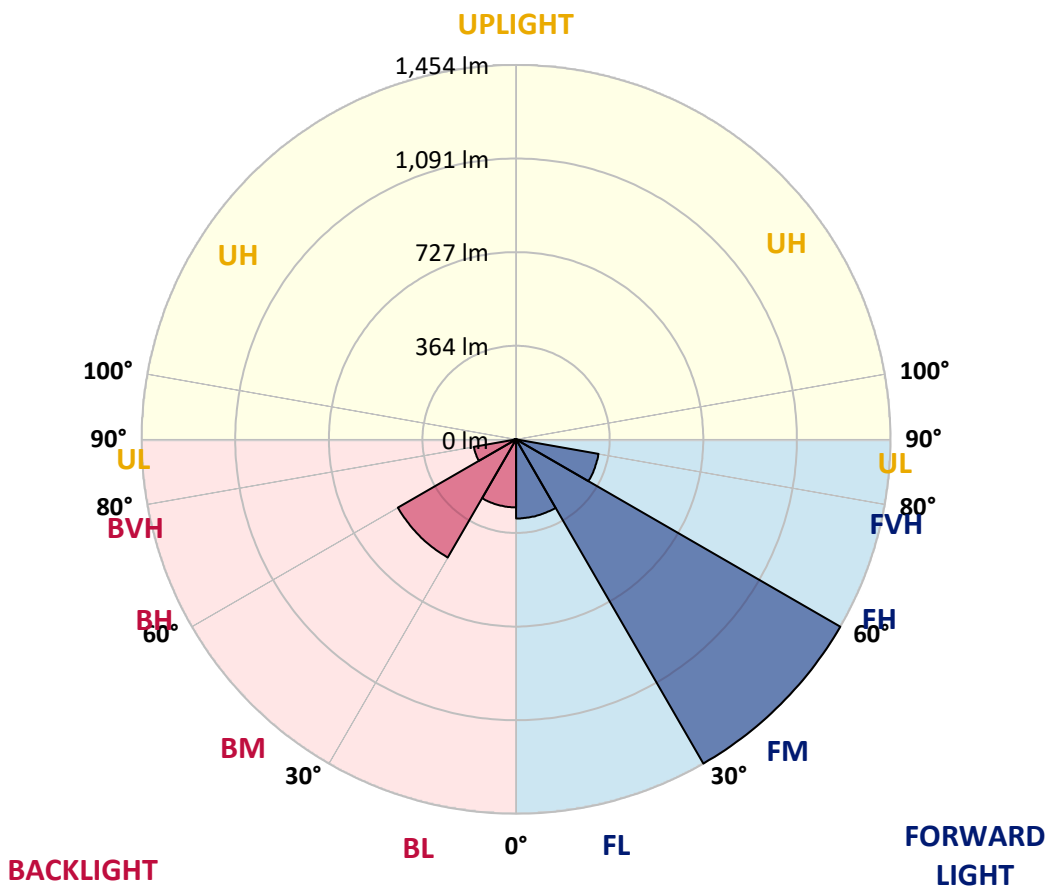


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.3	10.0			
FM (30°-60°)	1454.1	47.5			
FH (60°-80°)	325.1	10.6			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	264.1	8.6	B1/500		
BM (30°-60°)	530.3	17.3	B1/1000		
BH (60°-80°)	166.5	5.4	B1/500		G1/500
BVH (80°-90°)	7.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3
2.5°	566.3	566.0	566.0	567.6	567.6	568.1	568.8	569.6	569.9	568.6	565.8
5°	572.4	572.4	572.4	573.7	573.7	574.2	575.3	575.5	575.3	573.2	570.4
7.5°	582.2	582.2	582.5	584.0	585.3	586.1	587.9	587.6	586.8	583.5	579.9
10°	598.1	598.9	599.7	601.5	604.0	605.8	607.1	607.1	606.1	601.0	596.3
12.5°	620.7	621.8	622.5	624.1	626.1	629.2	632.0	632.0	630.8	624.3	617.4
15°	647.2	648.2	648.0	648.5	652.3	656.7	659.0	660.6	661.1	652.1	641.3
17.5°	677.5	678.5	677.5	676.0	676.5	683.4	687.5	693.2	696.5	684.5	667.2
20°	705.0	704.0	704.0	705.0	706.6	715.0	721.2	730.4	734.6	719.9	693.2
22.5°	734.0	736.4	735.3	735.3	741.5	755.6	763.1	775.2	779.5	760.5	724.5
25°	771.6	773.6	773.1	773.6	780.8	800.8	808.3	830.6	835.0	807.8	759.2
27.5°	812.7	816.0	817.5	817.0	828.6	854.8	864.0	895.1	903.1	860.7	796.2
30°	866.1	869.7	871.0	870.5	884.1	919.8	930.3	965.8	977.1	923.4	843.2
32.5°	928.0	931.6	935.5	937.0	954.5	991.0	1006.1	1042.9	1059.1	995.9	900.0
35°	989.4	992.5	1000.0	1012.0	1035.9	1073.2	1086.5	1122.8	1138.4	1071.1	968.6
37.5°	1057.3	1059.3	1065.7	1082.4	1116.9	1152.3	1165.7	1200.4	1202.2	1143.8	1046.2
40°	1131.5	1131.5	1130.2	1146.7	1182.6	1218.4	1229.9	1250.0	1239.4	1199.9	1121.7
42.5°	1194.5	1193.4	1194.5	1209.9	1236.6	1265.6	1275.6	1271.8	1258.4	1242.8	1190.1
45°	1251.2	1252.0	1261.3	1273.1	1286.9	1304.2	1310.1	1288.2	1276.2	1277.2	1244.8
47.5°	1289.8	1290.5	1312.1	1331.9	1340.4	1345.8	1343.2	1312.9	1306.7	1318.3	1286.9
50°	1294.9	1299.0	1336.3	1376.9	1397.9	1398.7	1391.5	1354.5	1352.7	1365.8	1309.6
52.5°	1295.9	1300.1	1346.6	1419.8	1474.5	1486.1	1477.8	1439.3	1420.6	1407.4	1337.3
55°	1292.1	1296.7	1348.1	1448.6	1553.4	1599.6	1600.4	1545.9	1486.1	1477.3	1416.4
57.5°	1140.8	1142.6	1222.2	1375.3	1550.3	1681.3	1691.4	1617.4	1549.0	1540.8	1479.9
60°	794.7	801.9	888.5	1090.7	1302.4	1533.3	1565.7	1544.1	1498.4	1438.5	1269.7
62.5°	398.0	404.1	491.0	682.1	898.2	1080.6	1115.3	1138.2	1149.0	1084.7	864.6
65°	171.4	176.0	230.0	356.4	508.5	596.6	608.7	636.2	703.5	627.7	465.8
67.5°	114.6	117.7	145.2	217.4	299.6	305.2	303.4	309.3	324.0	267.5	210.4
70°	87.9	90.4	108.9	159.3	215.3	184.2	174.5	158.3	171.9	175.2	170.6
72.5°	63.7	65.8	79.6	108.7	134.9	117.7	116.1	124.4	142.9	148.0	145.2
75°	41.1	42.1	50.6	59.6	69.6	75.5	78.6	93.5	112.3	116.1	112.8
77.5°	27.5	28.3	33.1	38.3	39.6	39.8	40.9	47.5	60.4	67.6	66.8
80°	14.4	14.4	16.2	16.2	18.5	22.1	23.1	27.5	33.4	37.0	37.3
82.5°	5.7	5.9	6.9	7.7	9.2	11.3	12.1	14.4	17.5	20.0	22.4
85°	2.3	2.6	2.8	3.3	4.1	5.1	5.4	6.2	8.2	10.3	11.6
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.0	1.3	2.3	3.1
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°	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3
2.5°	569.1	565.8	569.1	570.1	572.9	574.0	572.2	571.9	571.9	569.4	568.6
5°	572.9	569.9	573.2	574.7	578.9	581.4	581.9	584.0	585.3	584.3	584.0
7.5°	582.5	578.6	582.2	584.5	589.9	594.0	595.8	600.4	603.8	603.3	603.0
10°	599.2	594.0	598.1	602.0	607.9	612.8	613.0	615.6	618.9	617.9	617.4
12.5°	618.4	613.5	618.2	622.0	629.0	631.0	627.7	626.6	627.2	625.9	624.8
15°	642.1	635.1	639.2	643.6	647.5	645.1	638.0	635.1	634.9	633.1	632.0
17.5°	665.7	657.0	660.0	662.4	660.6	653.4	644.4	639.5	637.2	633.6	632.6
20°	689.1	678.0	677.5	675.7	667.5	654.4	642.3	632.6	626.6	621.8	620.0
22.5°	715.8	700.4	692.7	684.5	666.5	645.1	626.9	613.0	603.5	597.4	595.3
25°	744.6	722.7	706.8	690.4	656.2	625.4	599.9	580.9	569.6	562.9	560.6
27.5°	773.1	743.0	719.1	691.1	635.6	596.8	562.7	537.0	525.7	520.3	518.5
30°	811.6	770.0	733.8	681.1	608.7	557.3	514.6	488.7	481.2	477.4	475.8
32.5°	856.1	804.2	753.3	660.0	574.2	511.0	466.1	448.1	442.9	435.5	435.2
35°	914.7	853.0	771.8	629.0	530.8	461.4	428.8	416.0	406.7	394.9	393.9
37.5°	983.0	913.9	781.8	589.4	480.2	420.6	401.1	386.7	371.8	356.1	354.0
40°	1053.7	985.1	782.6	542.6	430.6	393.6	377.2	358.4	339.9	322.4	320.1
42.5°	1127.9	1051.3	769.0	488.7	390.0	370.2	353.5	329.9	309.1	297.3	296.0
45°	1194.2	1104.8	738.2	431.9	360.0	350.7	329.4	303.9	292.9	284.4	282.6
47.5°	1246.4	1140.2	696.5	381.0	335.5	330.7	302.9	289.8	281.3	273.6	271.8
50°	1272.0	1148.2	642.3	339.7	312.9	307.0	288.0	278.0	272.3	266.2	264.6
52.5°	1303.9	1157.2	595.6	305.0	290.8	282.9	275.7	267.7	263.6	259.8	258.5
55°	1377.1	1191.1	570.9	277.2	269.8	266.2	265.1	258.5	257.2	254.6	252.3
57.5°	1406.9	1169.3	512.6	254.6	253.1	253.6	256.2	250.0	248.7	245.6	244.1
60°	1131.5	883.8	347.1	235.1	239.2	242.5	245.1	238.9	237.1	236.6	234.6
62.5°	725.0	543.7	242.3	216.8	223.0	227.1	228.7	222.8	221.5	225.6	225.8
65°	377.4	296.2	196.5	197.3	202.5	208.6	211.7	209.7	209.1	213.5	213.8
67.5°	192.7	181.1	171.4	174.2	178.3	186.3	193.5	202.5	205.5	206.1	206.3
70°	164.2	159.0	154.2	156.0	160.3	164.7	171.6	176.0	170.9	169.6	169.1
72.5°	139.8	135.9	133.6	135.7	138.0	137.2	135.1	137.2	138.0	138.2	138.5
75°	108.7	105.9	104.1	104.3	104.3	101.5	97.6	95.3	92.8	90.7	90.7
77.5°	66.5	67.1	68.9	68.6	68.3	67.3	63.5	61.4	55.2	53.4	53.4
80°	38.0	38.8	40.6	41.1	41.1	39.8	36.0	33.7	30.8	29.5	29.3
82.5°	23.1	24.2	25.2	25.7	25.9	24.4	21.1	19.3	17.7	16.4	16.4
85°	12.1	12.6	13.6	13.9	13.1	11.6	9.8	9.0	7.5	7.2	7.2
87.5°	3.3	3.6	4.1	3.3	3.1	2.3	1.3	1.0	0.5	0.3	0.3
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)