

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: P629314

Luminaire Tested: GWS-SA1B-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629314
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3017.1 lumens
Efficiency: N/A
Efficacy: 120.7 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

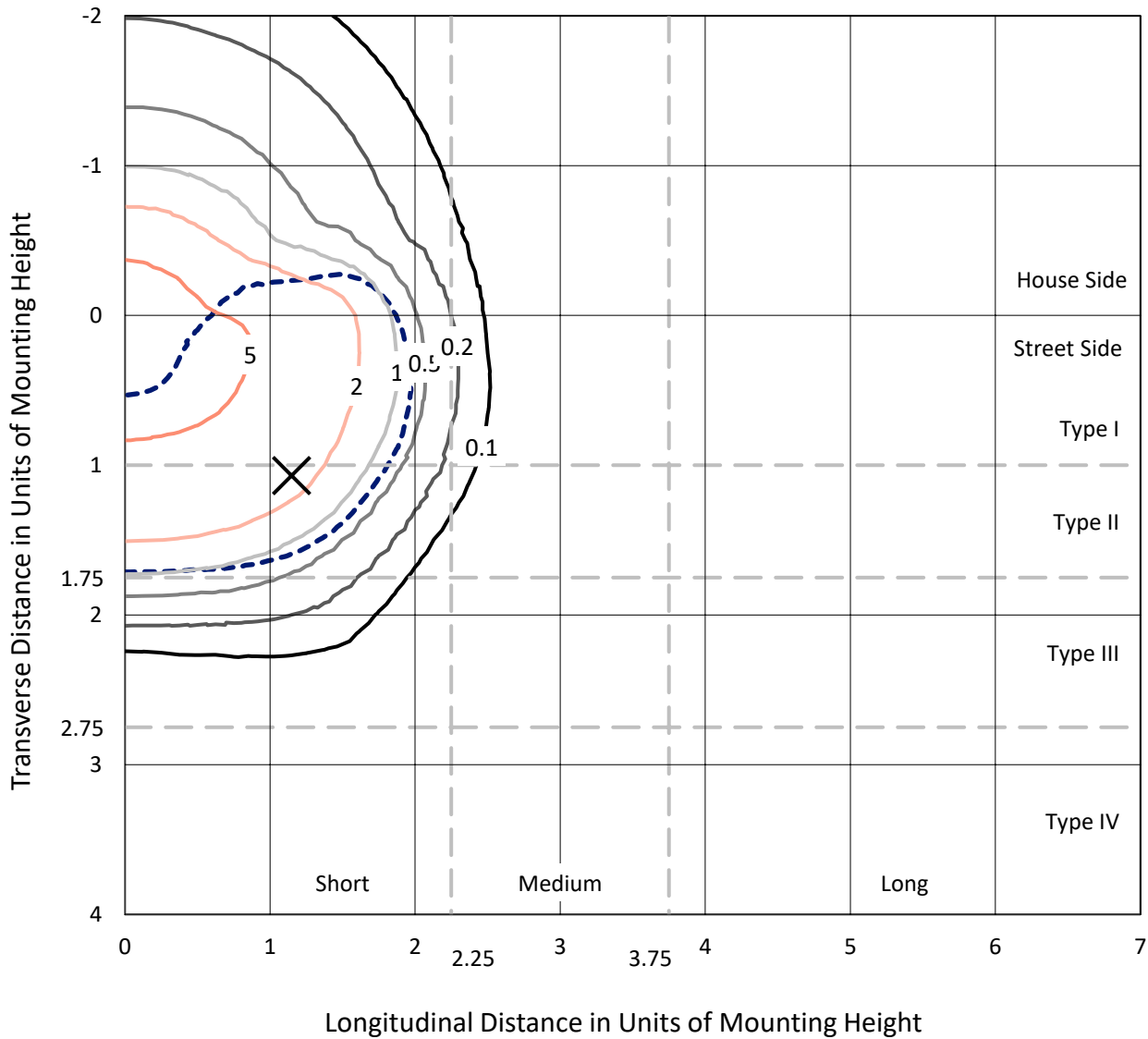
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

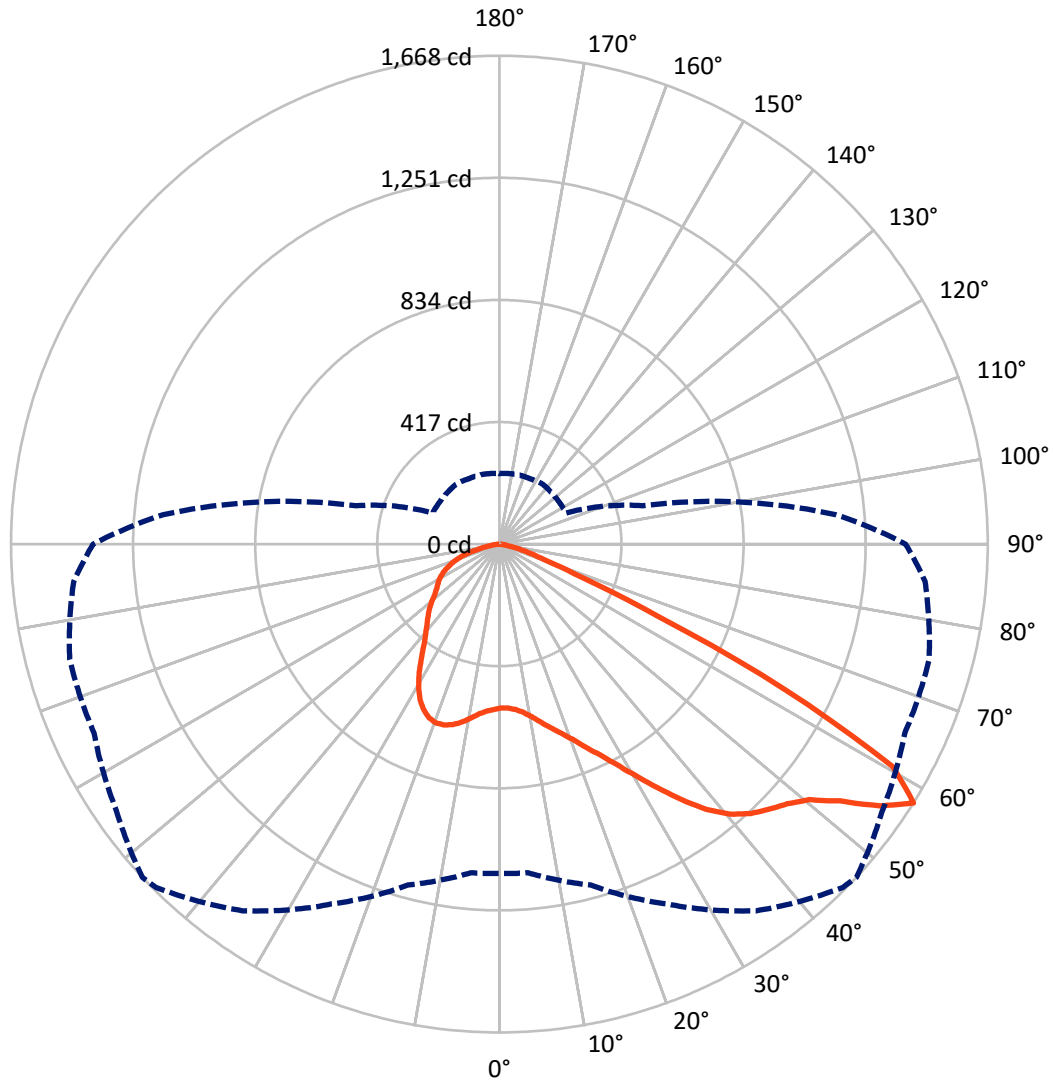
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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	954.9	0.0	954.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2062.2	0.0	2062.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	3017.1	0.0	3017.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.8
10°-20°	181.5	6.0
20°-30°	326.8	10.8
30°-40°	493.6	16.4
40°-50°	664.8	22.0
50°-60°	798.8	26.5
60°-70°	389.0	12.9
70°-80°	95.8	3.2
80°-90°	11.5	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°	3017.1	100.0
0°-180°	3017.1	100.0

Coefficient of Utilization



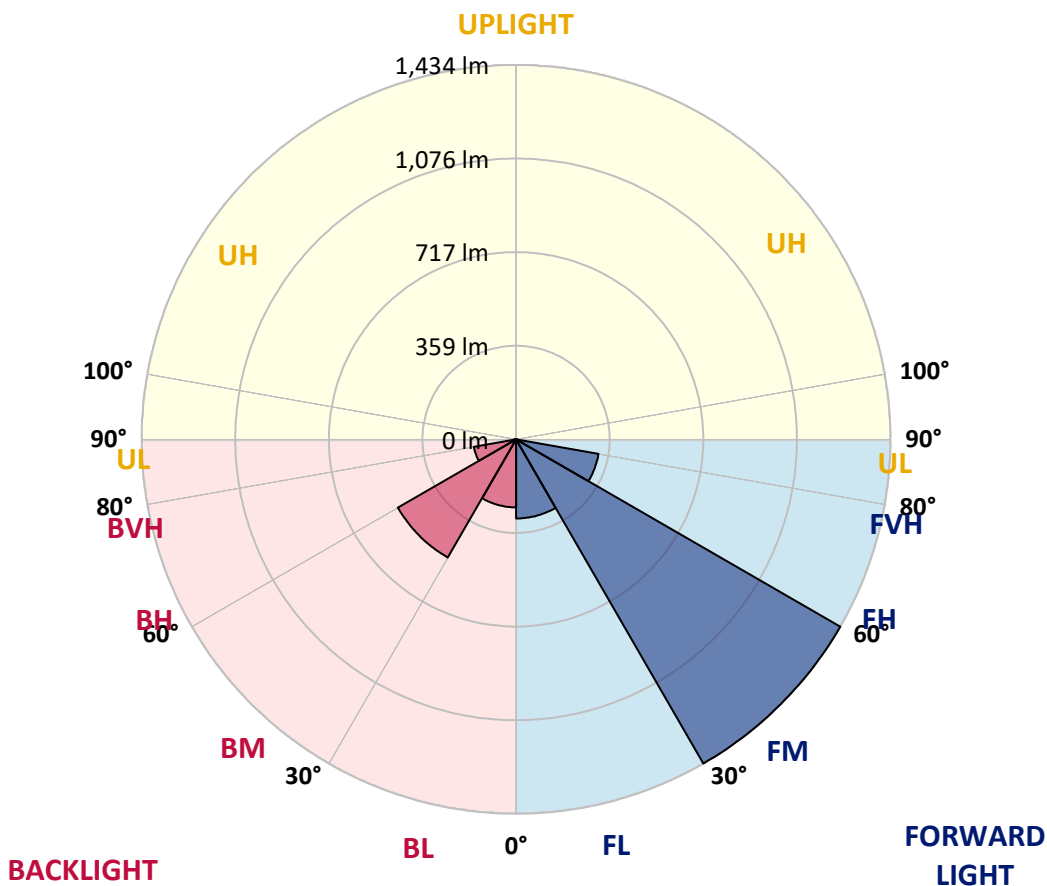
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.1	10.0			
FM (30°-60°)	1434.2	47.5			
FH (60°-80°)	320.6	10.6			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	260.5	8.6	B1/500		
BM (30°-60°)	523.0	17.3	B1/1000		
BH (60°-80°)	164.2	5.4	B1/500		G1/500
BVH (80°-90°)	7.2	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°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	558.5	558.3	558.3	559.8	559.8	560.3	561.0	561.8	562.1	560.8	558.0
5°	564.6	564.6	564.6	565.9	565.9	566.4	567.4	567.6	567.4	565.4	562.6
7.5°	574.2	574.2	574.5	576.0	577.3	578.0	579.8	579.5	578.8	575.5	571.9
10°	589.9	590.7	591.5	593.2	595.8	597.5	598.8	598.8	597.8	592.7	588.2
12.5°	612.2	613.2	614.0	615.5	617.6	620.6	623.4	623.4	622.1	615.8	608.9
15°	638.3	639.3	639.1	639.6	643.4	647.7	650.0	651.5	652.0	643.2	632.5
17.5°	668.2	669.3	668.2	666.7	667.2	674.1	678.1	683.7	687.0	675.1	658.1
20°	695.4	694.3	694.3	695.4	696.9	705.2	711.3	720.4	724.5	710.1	683.7
22.5°	724.0	726.3	725.3	725.3	731.3	745.3	752.6	764.5	768.8	750.1	714.6
25°	761.0	763.0	762.5	763.0	770.1	789.9	797.2	819.3	823.6	796.7	748.8
27.5°	801.5	804.8	806.3	805.8	817.2	843.1	852.2	882.9	890.7	848.9	785.3
30°	854.2	857.8	859.1	858.5	872.0	907.2	917.6	952.6	963.7	910.7	831.7
32.5°	915.3	918.9	922.7	924.2	941.4	977.4	992.3	1028.6	1044.5	982.2	887.7
35°	975.9	978.9	986.3	998.2	1021.7	1058.5	1071.7	1107.4	1122.9	1056.5	955.3
37.5°	1042.8	1044.8	1051.1	1067.6	1101.6	1136.5	1149.7	1183.9	1185.7	1128.2	1031.9
40°	1116.0	1116.0	1114.7	1131.0	1166.4	1201.7	1213.1	1232.8	1222.4	1183.4	1106.4
42.5°	1178.1	1177.1	1178.1	1193.3	1219.7	1248.3	1258.2	1254.4	1241.2	1225.7	1173.8
45°	1234.1	1234.9	1244.0	1255.6	1269.3	1286.3	1292.1	1270.6	1258.7	1259.7	1227.8
47.5°	1272.1	1272.9	1294.2	1313.7	1322.0	1327.4	1324.8	1294.9	1288.8	1300.2	1269.3
50°	1277.2	1281.2	1318.0	1358.0	1378.8	1379.6	1372.5	1336.0	1334.2	1347.1	1291.6
52.5°	1278.2	1282.2	1328.1	1400.3	1454.3	1465.7	1457.6	1419.6	1401.1	1388.2	1319.0
55°	1274.4	1279.0	1329.6	1428.7	1532.1	1577.7	1578.5	1524.8	1465.7	1457.1	1397.0
57.5°	1125.1	1126.9	1205.5	1356.5	1529.1	1658.3	1668.2	1595.2	1527.8	1519.7	1459.6
60°	783.8	790.9	876.3	1075.7	1284.5	1512.3	1544.3	1523.0	1477.9	1418.8	1252.3
62.5°	392.5	398.6	484.3	672.8	885.9	1065.8	1100.0	1122.6	1133.2	1069.9	852.7
65°	169.0	173.6	226.8	351.5	501.5	588.4	600.3	627.4	693.8	619.1	459.4
67.5°	113.0	116.1	143.2	214.4	295.5	301.0	299.3	305.1	319.5	263.8	207.5
70°	86.7	89.2	107.4	157.1	212.4	181.7	172.1	156.1	169.5	172.8	168.3
72.5°	62.8	64.9	78.6	107.2	133.0	116.1	114.5	122.6	140.9	146.0	143.2
75°	40.5	41.6	49.9	58.8	68.7	74.5	77.5	92.2	110.7	114.5	111.2
77.5°	27.1	27.9	32.7	37.8	39.0	39.3	40.3	46.9	59.6	66.6	65.9
80°	14.2	14.2	16.0	16.0	18.2	21.8	22.8	27.1	32.9	36.5	36.7
82.5°	5.6	5.8	6.8	7.6	9.1	11.1	11.9	14.2	17.2	19.8	22.0
85°	2.3	2.5	2.8	3.3	4.1	5.1	5.3	6.1	8.1	10.1	11.4
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.0	1.3	2.3	3.0
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°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	561.3	558.0	561.3	562.3	565.1	566.1	564.3	564.1	564.1	561.6	560.8
5°	565.1	562.1	565.4	566.9	570.9	573.5	574.0	576.0	577.3	576.3	576.0
7.5°	574.5	570.7	574.2	576.5	581.8	585.9	587.7	592.2	595.5	595.0	594.7
10°	590.9	585.9	589.9	593.7	599.6	604.4	604.6	607.2	610.5	609.4	608.9
12.5°	610.0	605.1	609.7	613.5	620.3	622.4	619.1	618.1	618.6	617.3	616.3
15°	633.3	626.4	630.5	634.8	638.6	636.3	629.2	626.4	626.2	624.4	623.4
17.5°	656.6	648.0	651.0	653.3	651.5	644.4	635.5	630.7	628.5	624.9	623.9
20°	679.6	668.7	668.2	666.5	658.4	645.4	633.5	623.9	618.1	613.2	611.5
22.5°	706.0	690.8	683.2	675.1	657.3	636.3	618.3	604.6	595.3	589.2	587.1
25°	734.4	712.8	697.1	680.9	647.2	616.8	591.7	573.0	561.8	555.2	552.9
27.5°	762.5	732.9	709.3	681.7	626.9	588.7	555.0	529.6	518.5	513.2	511.4
30°	800.5	759.5	723.7	671.8	600.3	549.6	507.6	482.0	474.6	470.8	469.3
32.5°	844.4	793.2	743.0	651.0	566.4	504.0	459.7	441.9	436.9	429.5	429.3
35°	902.1	841.3	761.2	620.3	523.5	455.1	422.9	410.3	401.1	389.5	388.5
37.5°	969.5	901.4	771.1	581.3	473.6	414.8	395.6	381.4	366.7	351.2	349.2
40°	1039.2	971.6	771.9	535.2	424.7	388.2	372.0	353.5	335.3	318.0	315.7
42.5°	1112.5	1036.9	758.5	482.0	384.7	365.2	348.7	325.4	304.9	293.2	291.9
45°	1177.8	1089.7	728.0	426.0	355.0	345.9	324.9	299.8	288.9	280.5	278.7
47.5°	1229.3	1124.6	687.0	375.8	331.0	326.1	298.8	285.8	277.5	269.9	268.1
50°	1254.6	1132.5	633.5	335.0	308.7	302.8	284.1	274.2	268.6	262.5	261.0
52.5°	1286.0	1141.4	587.4	300.8	286.9	279.0	271.9	264.1	260.0	256.2	254.9
55°	1358.3	1174.8	563.1	273.4	266.1	262.5	261.5	254.9	253.7	251.1	248.8
57.5°	1387.7	1153.3	505.5	251.1	249.6	250.1	252.6	246.6	245.3	242.3	240.7
60°	1116.0	871.7	342.4	231.9	235.9	239.2	241.8	235.7	233.9	233.4	231.4
62.5°	715.1	536.2	239.0	213.9	220.0	224.0	225.5	219.7	218.4	222.5	222.7
65°	372.3	292.2	193.9	194.6	199.7	205.8	208.8	206.8	206.3	210.6	210.8
67.5°	190.1	178.7	169.0	171.8	175.9	183.7	190.8	199.7	202.7	203.2	203.5
70°	161.9	156.9	152.0	153.8	158.1	162.4	169.3	173.6	168.5	167.2	166.7
72.5°	137.9	134.1	131.8	133.8	136.1	135.3	133.3	135.3	136.1	136.3	136.6
75°	107.2	104.4	102.6	102.9	102.9	100.1	96.3	94.0	91.5	89.5	89.5
77.5°	65.6	66.1	67.9	67.7	67.4	66.4	62.6	60.6	54.5	52.7	52.7
80°	37.5	38.3	40.0	40.5	40.5	39.3	35.5	33.2	30.4	29.1	28.9
82.5°	22.8	23.8	24.8	25.3	25.6	24.1	20.8	19.0	17.5	16.2	16.2
85°	11.9	12.4	13.4	13.7	12.9	11.4	9.6	8.9	7.3	7.1	7.1
87.5°	3.3	3.5	4.1	3.3	3.0	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)