

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: P629487

Luminaire Tested: GWS-SA1B-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629487
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-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3492.6 lumens
Efficiency: N/A
Efficacy: 139.7 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

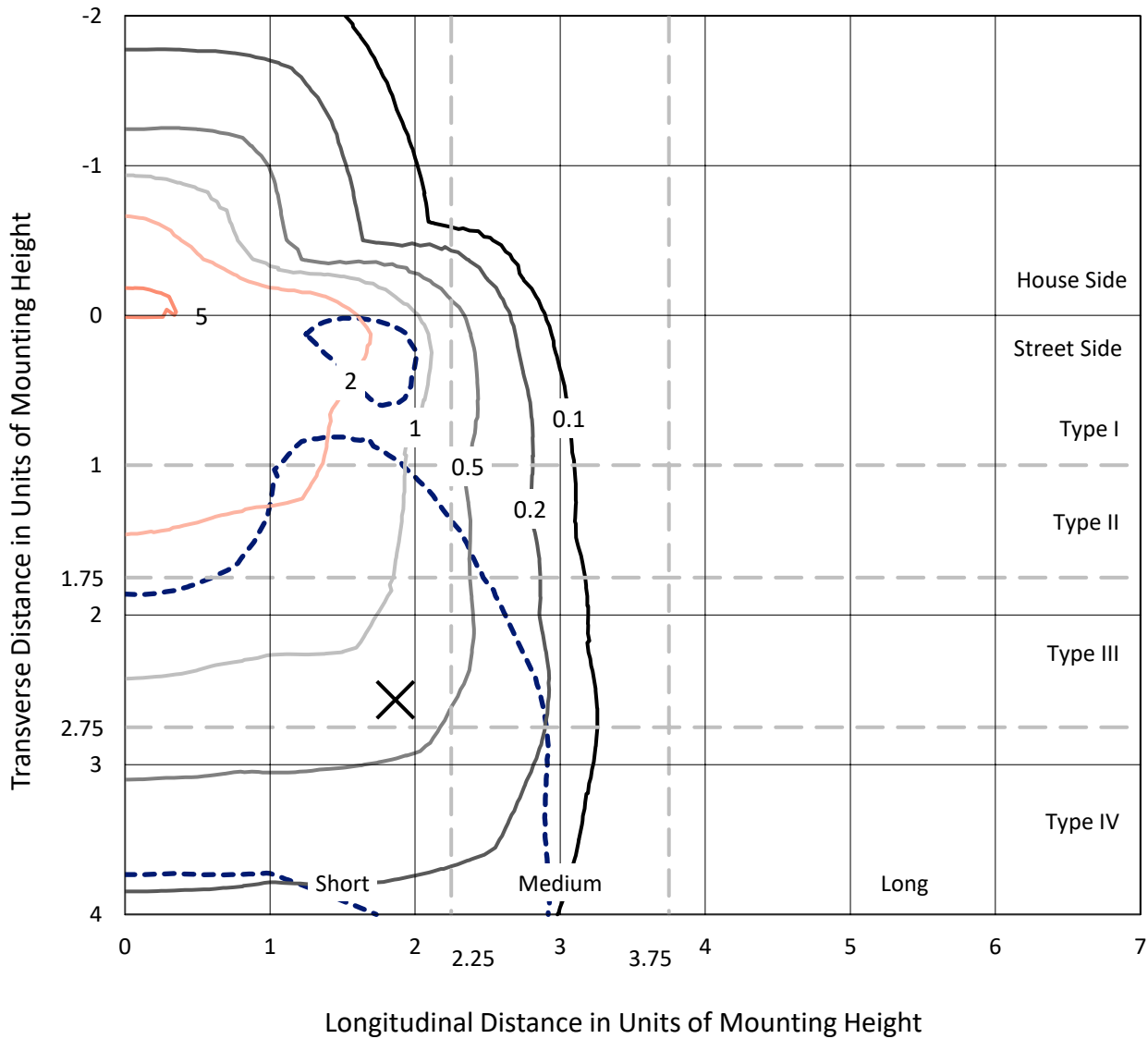
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

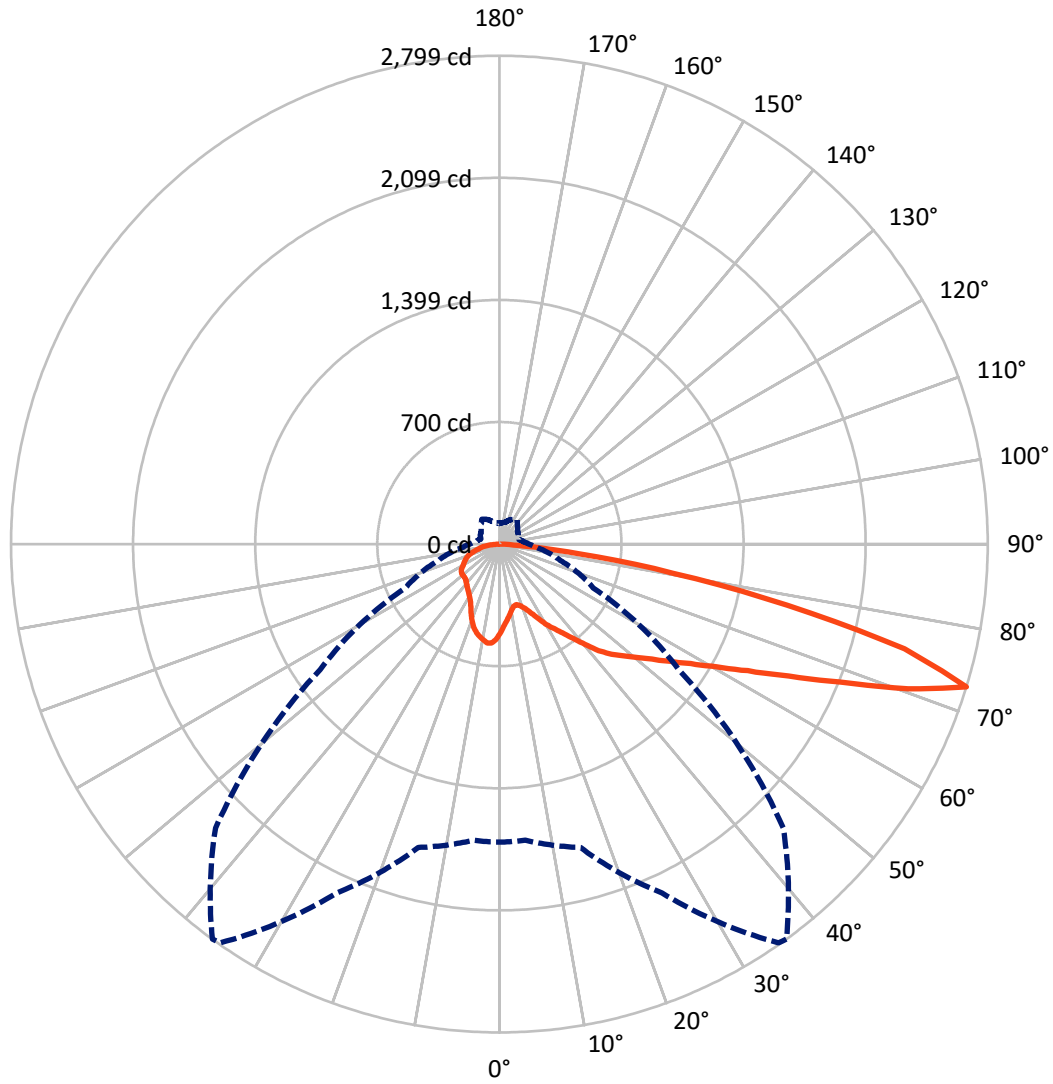
✕ Max cd
 - - - 1/2 Max cd



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	805.2	0.0	805.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2687.4	0.0	2687.4
	% Fixture	76.9	0.0	76.9
Total	Lumens	3492.6	0.0	3492.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.4
10°-20°	134.8	3.9
20°-30°	223.3	6.4
30°-40°	334.3	9.6
40°-50°	487.8	14.0
50°-60°	694.3	19.9
60°-70°	877.1	25.1
70°-80°	625.0	17.9
80°-90°	68.2	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°	3492.6	100.0
0°-180°	3492.6	100.0

Coefficient of Utilization



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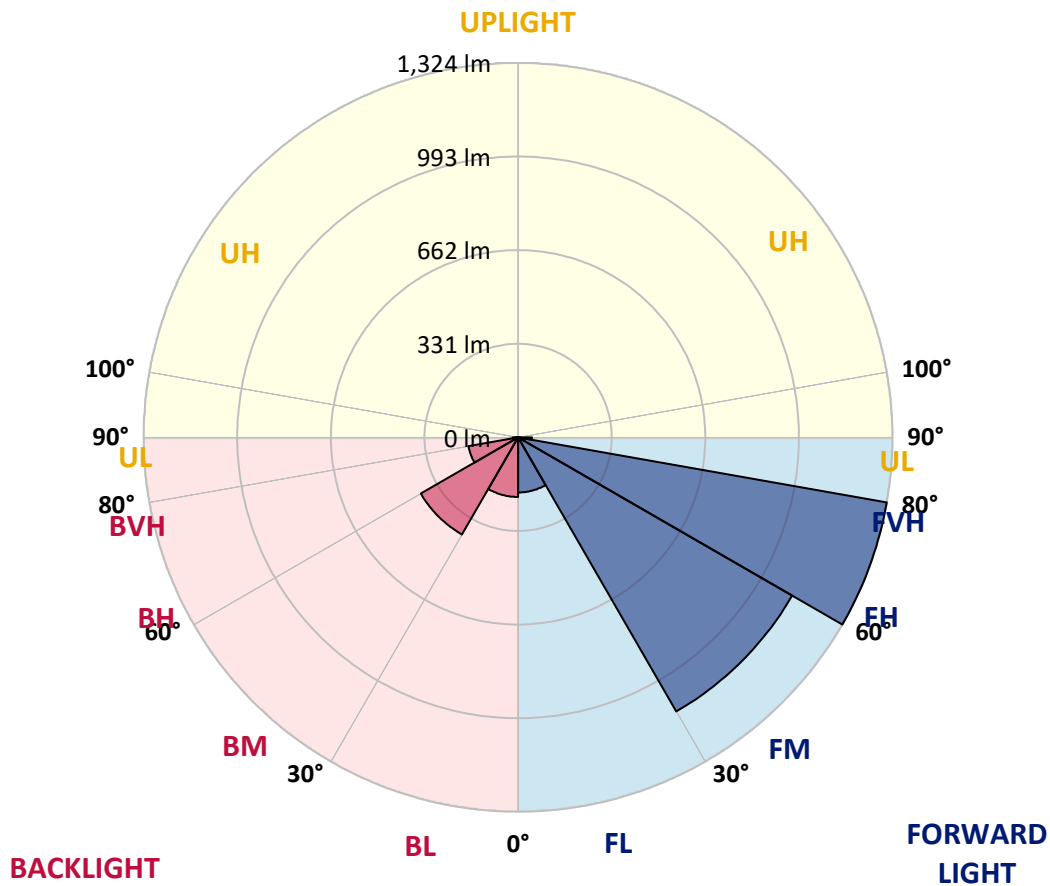
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.0	5.6			
FM (30°-60°)	1119.3	32.0			
FH (60°-80°)	1324.2	37.9			G1/1800
FVH (80°-90°)	49.0	1.4			G1/100
BL (0°-30°)	210.9	6.0	B1/500		
BM (30°-60°)	397.1	11.4	B1/1000		
BH (60°-80°)	178.0	5.1	B1/500		G1/500
BVH (80°-90°)	19.3	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°	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2
2.5°	466.3	465.5	464.0	468.6	473.3	472.8	479.3	485.5	492.2	499.2	508.6
5°	429.0	428.5	427.2	434.2	441.2	440.9	451.5	461.6	475.4	490.4	509.1
7.5°	391.7	390.4	392.2	401.0	410.8	411.9	426.4	443.0	462.9	485.5	511.9
10°	358.7	358.5	359.3	369.1	383.9	384.9	403.6	426.7	453.1	483.2	518.4
12.5°	350.2	349.7	347.6	352.5	363.7	365.2	385.7	414.0	446.4	484.5	527.2
15°	364.2	362.9	355.6	353.3	358.7	360.0	377.4	406.4	442.5	486.8	538.4
17.5°	388.3	387.5	373.8	364.2	367.8	368.9	381.8	405.1	441.4	491.5	552.1
20°	423.5	420.2	398.7	384.1	384.1	385.7	393.5	410.8	442.7	497.2	567.7
22.5°	470.2	463.5	433.1	413.4	408.3	410.3	413.7	425.1	448.2	506.8	587.1
25°	522.6	516.3	480.3	452.6	445.3	446.1	443.2	445.3	460.1	520.0	611.2
27.5°	578.3	574.1	535.8	500.5	489.1	489.1	479.0	474.1	476.7	535.0	638.2
30°	628.1	622.4	590.0	551.3	536.3	536.3	517.1	506.5	500.3	553.4	674.2
32.5°	654.2	650.9	629.4	599.8	581.4	578.6	562.0	549.5	535.0	580.6	722.9
35°	688.5	687.7	674.7	651.6	628.3	624.2	612.8	602.9	577.8	614.6	787.7
37.5°	731.5	730.2	728.1	714.4	686.4	685.6	675.5	663.6	630.9	663.6	866.3
40°	779.7	777.4	774.8	774.5	757.7	754.8	754.0	740.6	694.9	722.7	948.2
42.5°	846.1	838.0	813.7	824.5	837.0	834.4	844.2	824.0	774.8	792.9	1025.7
45°	927.7	908.0	859.8	862.9	894.3	899.5	933.7	928.7	862.6	874.0	1107.3
47.5°	976.7	959.6	914.7	912.2	951.3	957.8	1032.2	1041.5	957.3	971.8	1208.2
50°	1016.9	1004.9	968.1	971.8	1013.2	1019.7	1129.9	1149.8	1046.4	1071.8	1325.3
52.5°	1065.3	1048.2	1019.7	1036.8	1087.6	1095.4	1238.5	1260.0	1126.8	1181.7	1446.6
55°	1092.6	1085.6	1086.1	1112.3	1176.0	1186.7	1352.3	1348.7	1200.4	1275.8	1537.9
57.5°	1155.3	1152.7	1176.5	1186.4	1279.2	1292.9	1466.1	1435.0	1267.3	1348.7	1581.7
60°	1266.0	1259.5	1280.2	1295.3	1406.7	1426.2	1593.1	1519.5	1312.6	1402.8	1566.9
62.5°	1421.5	1413.5	1414.2	1438.1	1577.5	1598.0	1734.4	1590.0	1326.6	1411.1	1473.3
65°	1614.9	1603.2	1590.0	1622.4	1804.3	1821.5	1888.1	1641.3	1293.2	1331.3	1277.9
67.5°	1818.9	1809.3	1793.7	1861.6	2098.0	2108.4	2060.4	1636.9	1187.2	1117.7	896.3
70°	1830.8	1833.1	1906.7	2152.5	2481.4	2484.0	2223.5	1548.2	961.4	724.5	446.6
72.5°	1707.9	1704.0	1799.9	2205.6	2789.9	2798.7	2300.5	1254.3	594.1	361.3	209.4
75°	1387.3	1394.0	1494.9	1929.8	2391.2	2399.0	1875.4	739.5	282.3	176.8	134.0
77.5°	597.2	634.8	833.6	1359.5	1712.6	1688.5	966.6	299.6	150.6	126.0	102.6
80°	172.4	187.1	297.1	646.5	1026.2	1008.1	382.6	112.2	105.0	94.6	73.6
82.5°	55.7	61.7	108.9	257.4	459.8	459.3	145.2	66.4	68.7	64.3	47.4
85°	15.6	17.9	33.4	78.0	142.3	139.5	42.0	31.4	36.5	37.1	23.6
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.0	4.7	10.6	13.5	9.6
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°	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2
2.5°	514.3	513.5	524.1	532.4	540.2	545.4	546.9	548.0	550.0	551.1	550.0
5°	517.9	521.8	539.4	552.4	562.7	569.0	569.2	568.7	570.3	569.0	568.2
7.5°	525.7	533.2	555.5	569.2	576.0	576.2	570.0	562.7	559.1	556.0	555.0
10°	536.0	547.2	571.6	580.6	578.6	569.0	555.2	543.8	537.3	532.7	531.6
12.5°	550.3	562.7	585.8	585.6	572.6	555.5	539.4	525.7	516.3	510.9	509.1
15°	563.8	579.6	596.2	584.0	563.5	542.8	522.0	503.6	491.2	482.6	481.1
17.5°	580.4	597.2	603.7	579.1	552.1	525.4	497.7	473.6	456.7	446.6	445.8
20°	599.5	614.6	607.3	570.5	537.3	502.3	464.8	437.8	419.7	409.8	410.6
22.5°	621.8	632.7	608.4	558.9	516.9	469.7	427.7	401.8	389.6	384.4	384.7
25°	645.7	652.7	606.5	543.0	485.5	429.8	389.6	377.7	376.6	375.3	375.9
27.5°	673.9	672.4	601.1	520.7	443.2	383.4	362.9	366.0	370.1	369.6	370.1
30°	711.8	697.0	594.1	489.9	393.0	344.5	347.1	355.9	361.3	361.9	363.4
32.5°	755.1	724.2	583.0	447.9	345.0	322.7	332.3	342.9	349.4	350.7	352.8
35°	806.7	755.3	563.3	395.6	310.5	309.8	318.6	325.8	332.8	333.3	333.3
37.5°	866.0	786.4	531.9	337.7	289.3	298.6	306.9	308.5	310.3	308.7	309.5
40°	920.4	816.5	487.3	285.1	271.9	288.8	295.8	290.6	284.9	281.0	281.8
42.5°	966.1	837.0	428.2	248.3	254.3	279.9	285.4	274.8	263.6	256.4	257.4
45°	1017.4	855.9	358.7	223.4	239.2	273.7	277.4	263.6	249.4	238.5	236.9
47.5°	1088.2	894.5	297.1	206.1	228.6	270.4	276.3	257.7	239.0	222.7	220.8
50°	1175.5	949.2	245.5	194.7	223.7	268.5	276.1	251.2	228.9	209.7	208.4
52.5°	1270.9	1002.6	207.4	185.9	218.8	263.1	274.8	243.9	218.3	197.5	196.0
55°	1334.4	1023.6	181.7	177.6	210.7	254.5	269.6	236.9	202.2	183.3	180.9
57.5°	1353.1	996.7	163.8	170.0	200.4	242.6	259.7	222.1	192.3	177.3	175.5
60°	1320.9	928.7	152.7	163.8	189.0	227.3	242.6	213.6	184.6	171.1	169.8
62.5°	1230.2	824.0	144.1	157.3	177.3	211.3	231.7	203.2	176.0	165.4	163.6
65°	1047.7	675.8	137.1	150.6	166.2	196.0	219.8	192.9	166.7	158.6	156.6
67.5°	732.8	474.6	129.6	142.6	155.0	181.2	207.4	183.3	157.1	151.1	149.0
70°	358.2	251.7	120.5	133.2	143.1	166.2	194.9	171.6	144.4	141.0	138.2
72.5°	170.6	140.7	109.9	120.5	126.8	146.2	174.2	154.7	129.3	122.1	117.2
75°	114.3	100.1	95.9	105.5	107.1	122.6	149.3	133.5	114.1	105.8	101.6
77.5°	86.6	76.5	80.6	89.2	86.1	100.8	122.9	119.0	102.9	95.4	93.3
80°	60.9	55.7	64.0	69.2	66.9	85.8	110.7	101.9	84.8	76.5	74.9
82.5°	38.4	37.3	47.2	48.0	48.7	67.9	91.0	80.1	65.8	54.2	50.3
85°	19.2	21.3	28.3	28.3	28.0	35.0	51.8	45.1	35.5	28.3	27.5
87.5°	6.5	9.1	12.2	9.8	7.5	6.0	6.7	8.3	8.8	8.6	8.6
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)