

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: P629489

Luminaire Tested: GWS-SA1B-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3584.9 lumens
Efficiency: N/A
Efficacy: 143.4 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

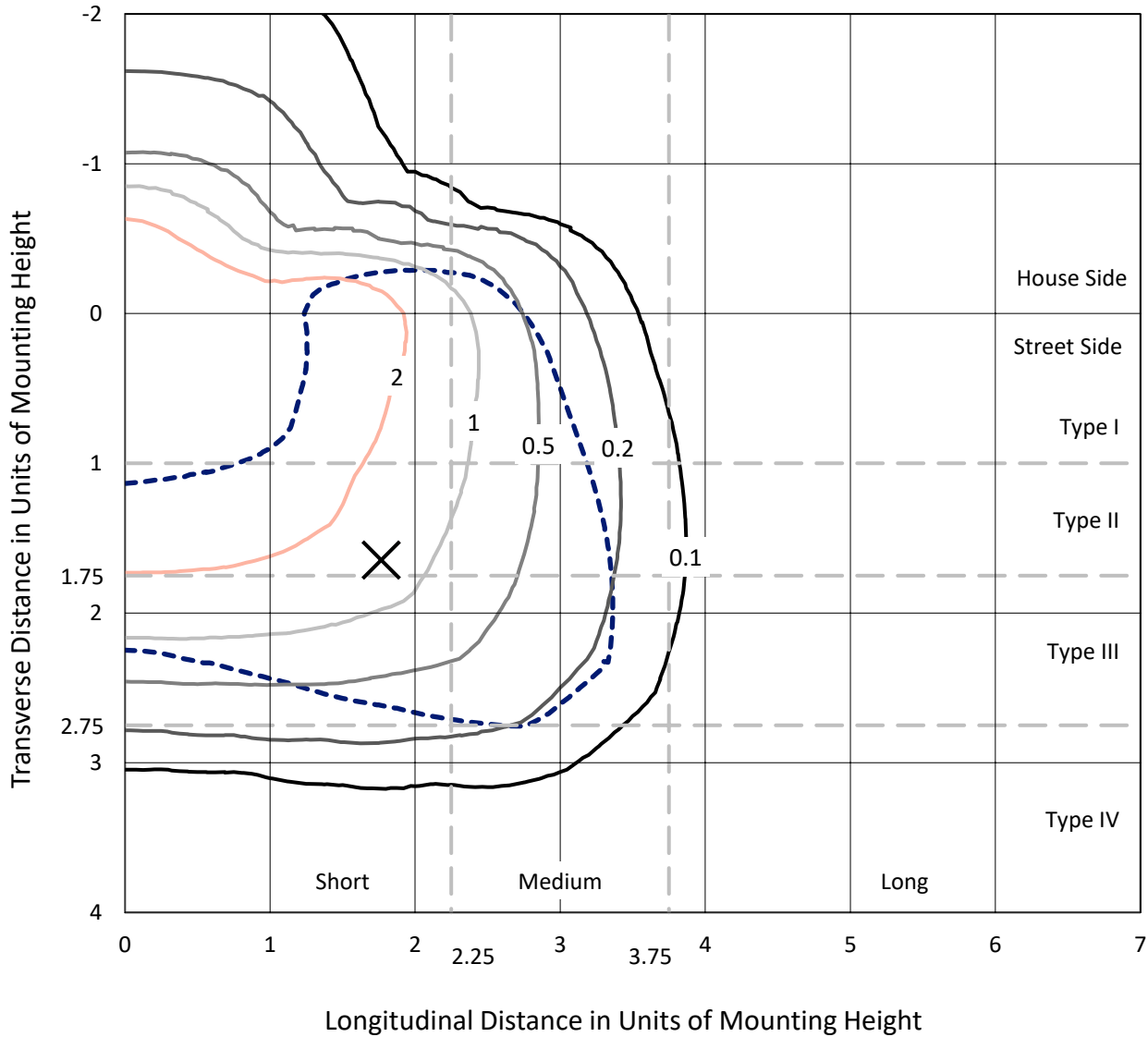
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

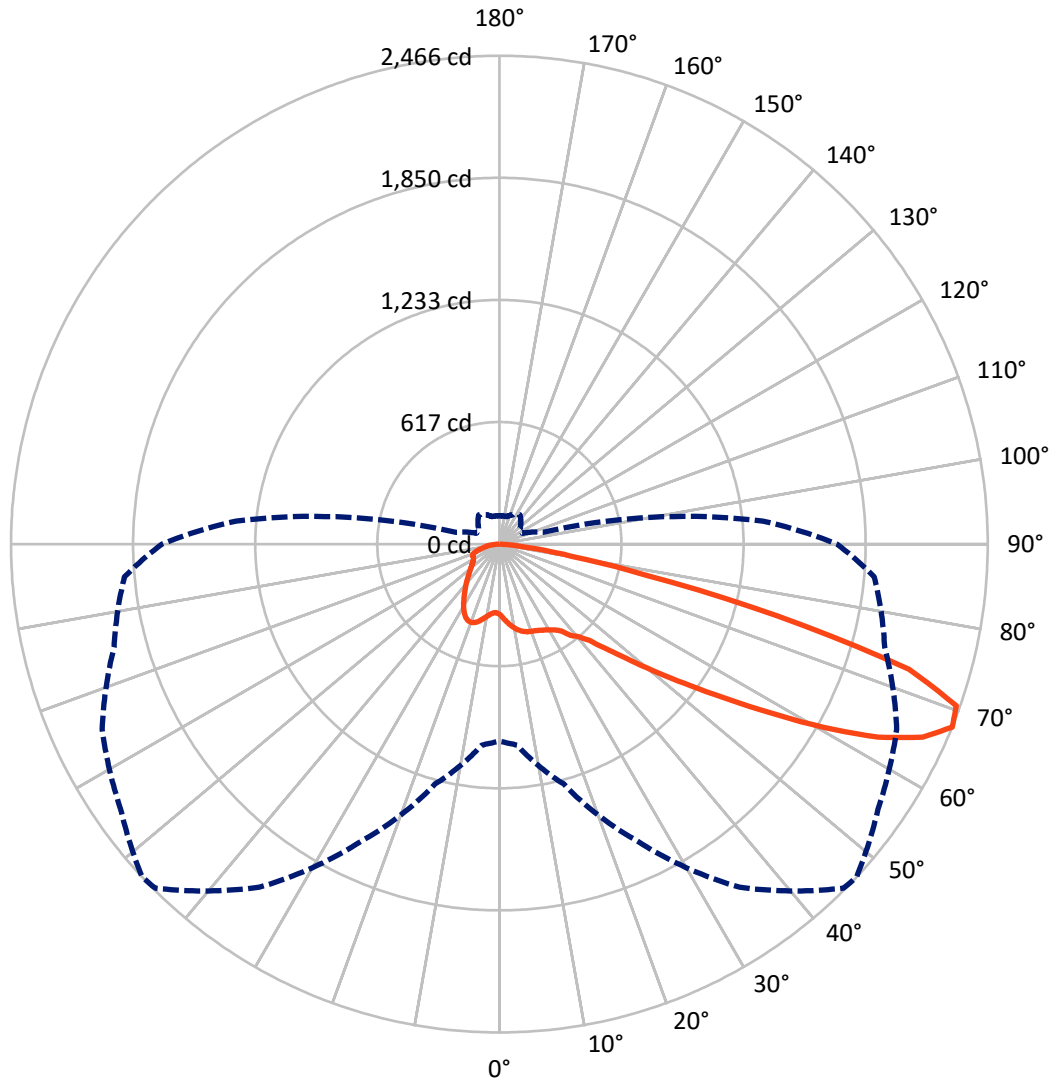
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.0	0.0	817.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	2767.9	0.0	2767.9
	% Fixture	77.2	0.0	77.2
Total	Lumens	3584.9	0.0	3584.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	1.0
10°-20°	121.0	3.4
20°-30°	205.7	5.7
30°-40°	301.3	8.4
40°-50°	459.1	12.8
50°-60°	821.3	22.9
60°-70°	1096.0	30.6
70°-80°	495.6	13.8
80°-90°	48.6	1.4
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°	3584.9	100.0
0°-180°	3584.9	100.0

Coefficient of Utilization



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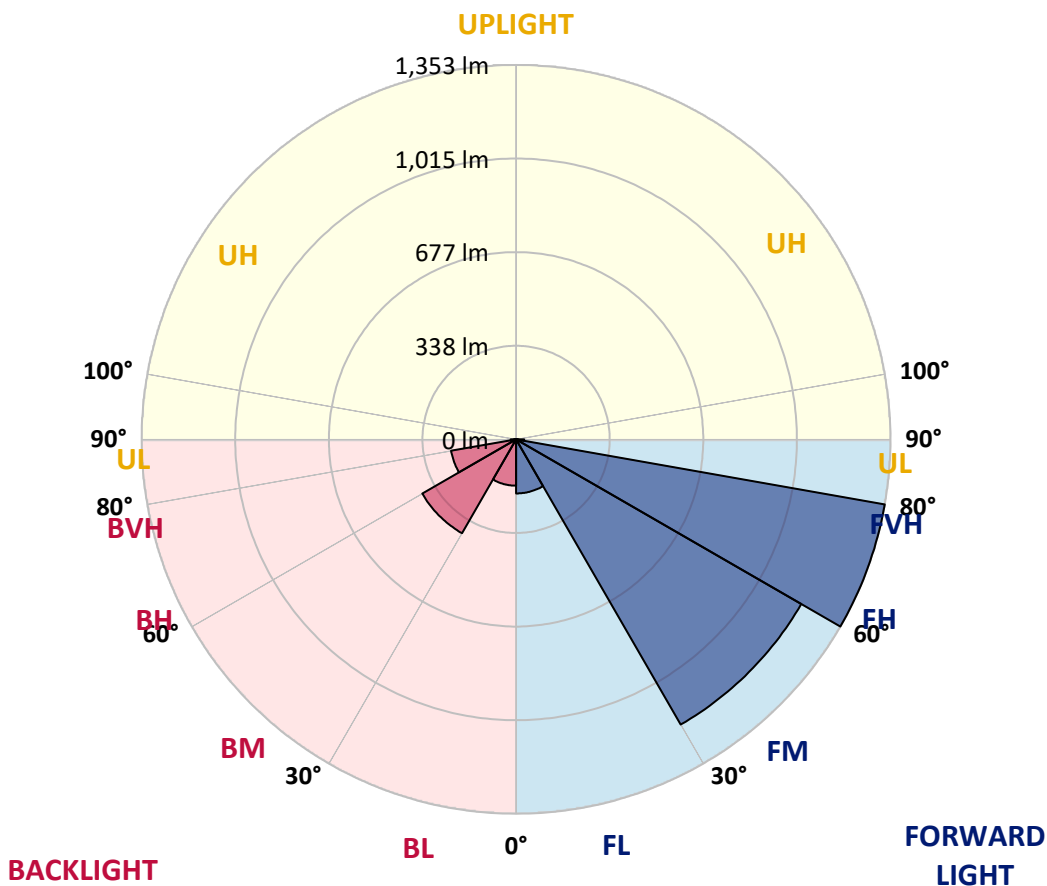
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.5	5.5			
FM (30°-60°)	1190.2	33.2			
FH (60°-80°)	1353.3	37.7			G1/1800
FVH (80°-90°)	28.9	0.8			G1/100
BL (0°-30°)	167.5	4.7	B1/500		
BM (30°-60°)	391.5	10.9	B1/1000		
BH (60°-80°)	238.4	6.6	B1/500		G1/500
BVH (80°-90°)	19.7	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°	47°	55°	65°	75°	85°
0°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	379.0	380.3	380.0	377.9	376.6	374.3	374.6	370.9	365.5	361.9	357.7
5°	412.4	414.5	411.9	408.5	403.3	395.8	395.0	386.7	376.4	369.1	361.6
7.5°	441.4	442.7	439.6	433.9	426.4	416.3	414.5	404.6	391.7	380.3	369.4
10°	464.0	465.5	461.4	453.9	444.0	433.9	432.6	422.5	408.8	395.3	381.6
12.5°	483.2	483.7	479.3	469.2	458.5	448.2	446.9	437.5	424.8	411.1	396.1
15°	494.3	494.6	489.1	478.0	467.9	458.8	458.0	450.0	438.3	425.4	409.3
17.5°	493.5	494.1	490.2	480.3	471.5	466.1	465.3	460.1	451.0	439.4	423.3
20°	483.9	484.5	481.9	475.4	470.7	469.2	469.4	467.9	462.4	452.8	436.5
22.5°	476.4	477.2	474.9	470.2	469.7	473.3	474.1	474.9	472.3	463.7	447.9
25°	480.1	481.4	477.7	471.2	472.3	480.3	481.9	484.5	482.4	475.1	461.4
27.5°	505.2	506.0	496.6	483.4	480.3	488.9	491.2	495.4	493.8	487.1	476.4
30°	563.5	563.0	543.0	510.6	497.7	501.1	502.9	508.8	509.3	504.9	494.8
32.5°	645.7	643.1	612.3	560.7	523.1	514.8	516.9	524.9	530.9	526.2	512.5
35°	732.5	730.2	696.2	635.8	570.0	541.2	538.9	545.1	554.2	541.2	521.5
37.5°	815.2	811.6	776.9	702.2	627.8	587.6	584.3	578.0	572.6	547.7	532.7
40°	907.0	902.8	872.5	788.0	691.6	623.1	614.6	590.0	585.0	569.2	561.7
42.5°	1005.0	1005.0	979.8	896.6	768.6	673.9	662.8	625.7	630.9	620.5	611.7
45°	1102.9	1105.8	1085.8	1006.0	871.5	769.9	752.0	699.3	711.8	707.1	702.7
47.5°	1186.4	1191.8	1188.0	1117.7	997.4	886.5	859.3	804.6	831.3	842.4	854.9
50°	1276.4	1282.3	1278.4	1250.7	1144.9	1027.8	1003.4	946.9	992.8	1026.2	1066.9
52.5°	1409.8	1418.4	1386.0	1375.4	1324.0	1188.2	1166.4	1102.2	1185.4	1240.8	1331.6
55°	1522.6	1522.3	1510.9	1535.3	1516.4	1384.4	1360.3	1302.0	1408.3	1467.1	1599.8
57.5°	1575.0	1581.2	1620.3	1689.3	1727.1	1624.2	1601.1	1541.5	1647.5	1678.1	1821.5
60°	1601.9	1609.7	1685.4	1821.7	1923.6	1886.0	1876.9	1801.0	1860.6	1857.0	2008.4
62.5°	1564.1	1579.6	1701.2	1882.4	2063.8	2149.1	2146.3	2031.4	2041.8	2006.3	2124.2
65°	1390.4	1407.3	1598.0	1852.1	2143.9	2349.2	2350.0	2240.1	2181.0	2078.9	2104.8
67.5°	994.3	1018.4	1254.3	1657.1	2115.7	2457.3	2466.4	2334.7	2213.7	2014.6	1900.5
70°	542.0	559.6	744.5	1204.5	1861.1	2431.4	2448.2	2289.1	2069.5	1742.7	1463.0
72.5°	246.2	252.0	346.3	661.0	1271.4	2092.9	2163.4	2042.8	1699.6	1287.2	930.3
75°	112.8	115.3	150.9	316.2	664.4	1400.5	1450.0	1521.6	1182.8	812.9	485.0
77.5°	70.8	71.5	85.8	144.6	331.3	699.1	751.2	905.9	692.6	402.3	202.7
80°	41.7	42.5	53.4	78.3	155.5	319.9	369.4	358.2	325.6	173.7	92.3
82.5°	21.0	21.8	30.8	44.6	84.8	127.3	149.8	150.6	121.3	94.1	52.1
85°	7.5	7.8	10.1	17.6	36.0	42.0	46.9	57.3	59.4	54.7	25.1
87.5°	0.0	0.0	0.3	0.5	1.0	4.1	4.4	8.3	17.4	19.4	10.1
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°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	356.4	352.5	351.2	349.9	347.9	347.1	345.5	344.0	344.0	342.4	341.6
5°	358.2	353.0	349.7	348.1	346.8	347.6	347.6	348.1	349.9	348.9	349.4
7.5°	364.7	358.7	354.1	352.8	352.8	355.9	358.0	360.6	363.9	364.4	364.4
10°	376.1	369.1	364.2	363.4	364.7	369.1	372.2	375.3	379.5	379.7	380.3
12.5°	388.6	381.6	376.6	377.7	379.0	384.7	388.0	390.6	394.8	394.8	394.5
15°	401.5	393.7	389.6	391.7	395.6	402.0	402.6	402.8	404.9	404.4	404.1
17.5°	415.0	406.7	403.6	406.7	410.8	414.0	411.4	407.7	407.0	405.9	405.4
20°	428.2	419.7	418.4	420.7	422.0	419.4	411.4	404.6	401.5	400.0	399.4
22.5°	439.6	432.4	431.6	431.6	425.1	416.0	404.1	395.0	390.9	388.8	388.3
25°	453.1	446.4	445.1	438.1	421.5	404.9	388.8	380.5	377.2	376.1	376.4
27.5°	468.9	464.2	460.1	440.1	411.1	385.2	367.0	363.4	362.1	363.4	364.2
30°	488.4	483.7	474.4	437.5	394.5	359.5	342.2	341.9	345.8	349.2	349.7
32.5°	504.2	502.1	486.8	429.3	371.2	331.3	316.5	317.5	324.5	329.2	330.0
35°	516.6	520.0	497.2	415.5	343.5	304.6	292.9	293.4	297.3	303.8	304.1
37.5°	534.2	545.6	506.5	394.5	311.6	281.5	270.9	267.0	266.5	268.3	268.8
40°	569.7	586.9	513.2	363.9	280.7	260.8	248.8	241.3	234.8	229.9	228.4
42.5°	623.4	643.1	517.1	326.9	253.2	240.3	226.8	217.2	205.8	195.4	191.8
45°	721.9	728.4	517.1	287.5	228.9	221.1	207.6	196.2	181.7	169.5	166.9
47.5°	879.5	858.8	517.6	249.4	207.4	204.3	192.6	179.6	163.6	153.5	151.9
50°	1116.9	1044.1	528.3	217.7	189.5	190.0	181.4	167.2	152.7	145.2	143.9
52.5°	1386.0	1272.5	556.8	194.4	174.4	178.3	173.7	159.9	147.0	140.5	139.2
55°	1639.0	1482.4	581.1	177.8	161.7	168.5	168.2	155.5	143.9	137.4	136.6
57.5°	1854.1	1626.3	577.5	164.3	150.9	159.4	163.3	152.7	141.8	136.3	135.6
60°	1987.9	1702.5	525.9	151.9	142.6	152.9	160.5	151.9	142.8	141.5	141.8
62.5°	2045.9	1688.5	426.9	142.6	137.1	149.8	163.6	157.3	152.4	155.5	157.3
65°	1955.7	1568.2	314.2	135.6	131.9	150.6	170.8	165.9	152.4	154.5	155.3
67.5°	1705.3	1334.9	227.1	128.6	125.5	152.9	181.2	164.6	143.6	143.6	142.0
70°	1228.9	960.1	164.9	121.6	119.0	149.6	181.7	155.8	133.5	132.7	128.8
72.5°	739.5	566.4	128.6	113.8	109.1	132.7	170.3	145.4	123.6	117.2	112.5
75°	384.1	283.8	107.8	105.2	93.6	112.5	155.8	129.3	105.8	100.1	97.5
77.5°	164.6	132.7	92.5	93.8	77.8	94.6	125.7	112.0	93.8	86.6	84.2
80°	81.1	75.4	73.1	75.2	62.2	73.1	108.3	98.0	79.6	71.3	67.9
82.5°	46.4	44.1	52.6	53.4	44.3	61.2	91.5	82.9	65.8	56.8	51.3
85°	21.5	23.1	31.9	32.1	27.5	42.0	59.9	46.7	35.0	29.0	27.7
87.5°	8.6	10.1	14.0	13.7	8.0	7.8	5.2	2.9	2.3	2.1	1.8
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)