

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: P629646

Luminaire Tested: GWS-SA1C-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629646
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-SA1C-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3542.9 lumens
Efficiency: N/A
Efficacy: 103.9 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

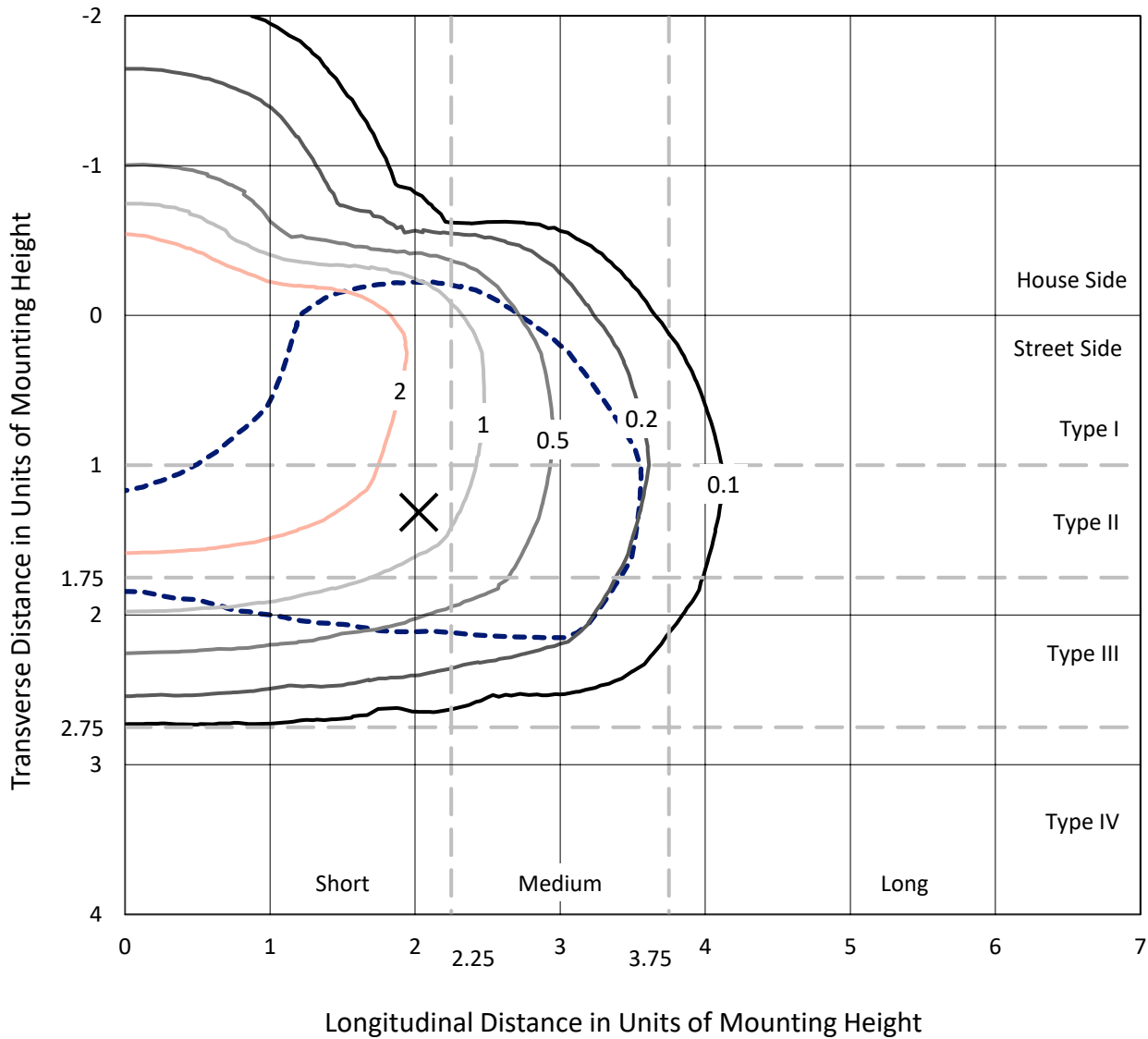
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

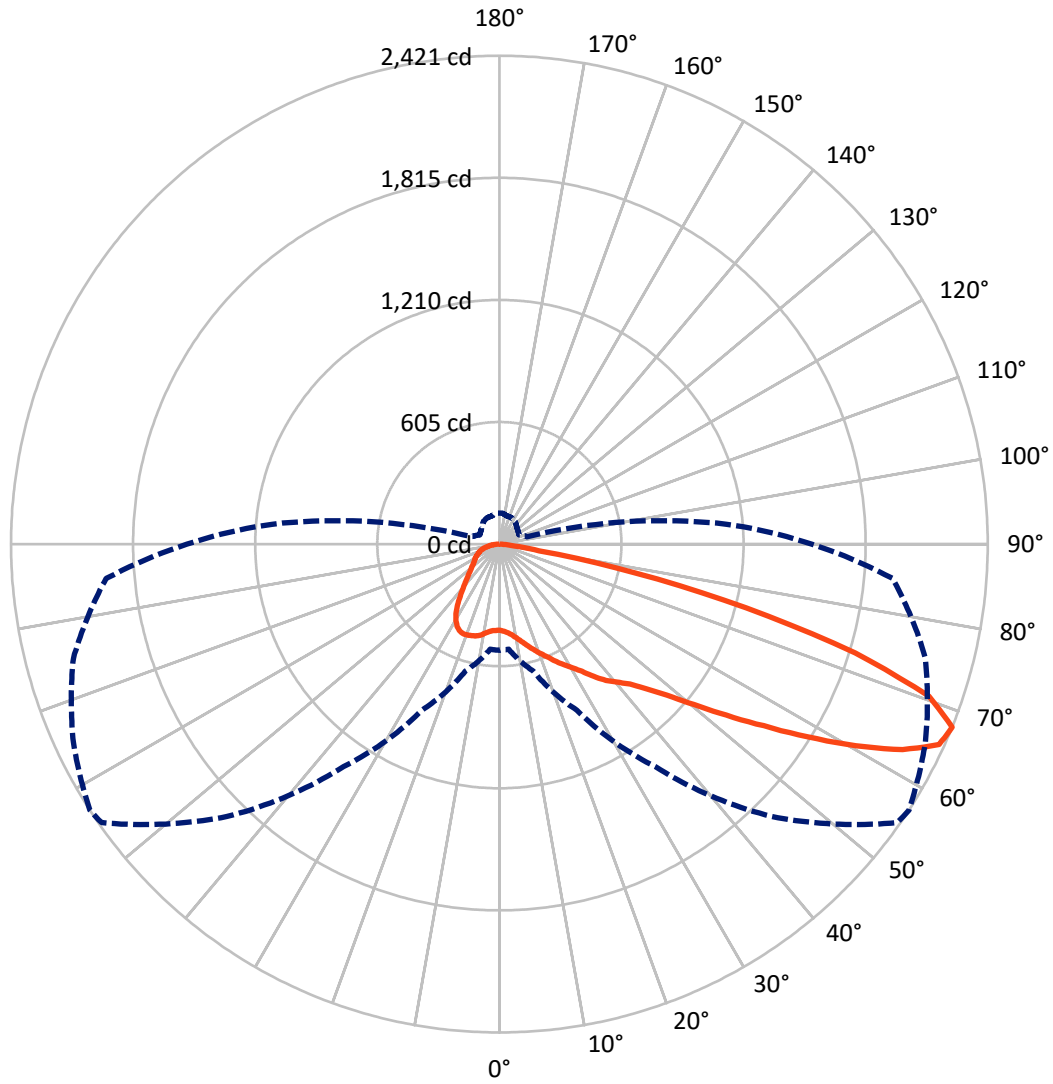
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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	778.9	0.0	778.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2764.0	0.0	2764.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	3542.9	0.0	3542.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.2
10°-20°	140.2	4.0
20°-30°	249.9	7.1
30°-40°	363.3	10.3
40°-50°	525.8	14.8
50°-60°	822.9	23.2
60°-70°	960.0	27.1
70°-80°	400.7	11.3
80°-90°	37.8	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°	3542.9	100.0
0°-180°	3542.9	100.0

Coefficient of Utilization



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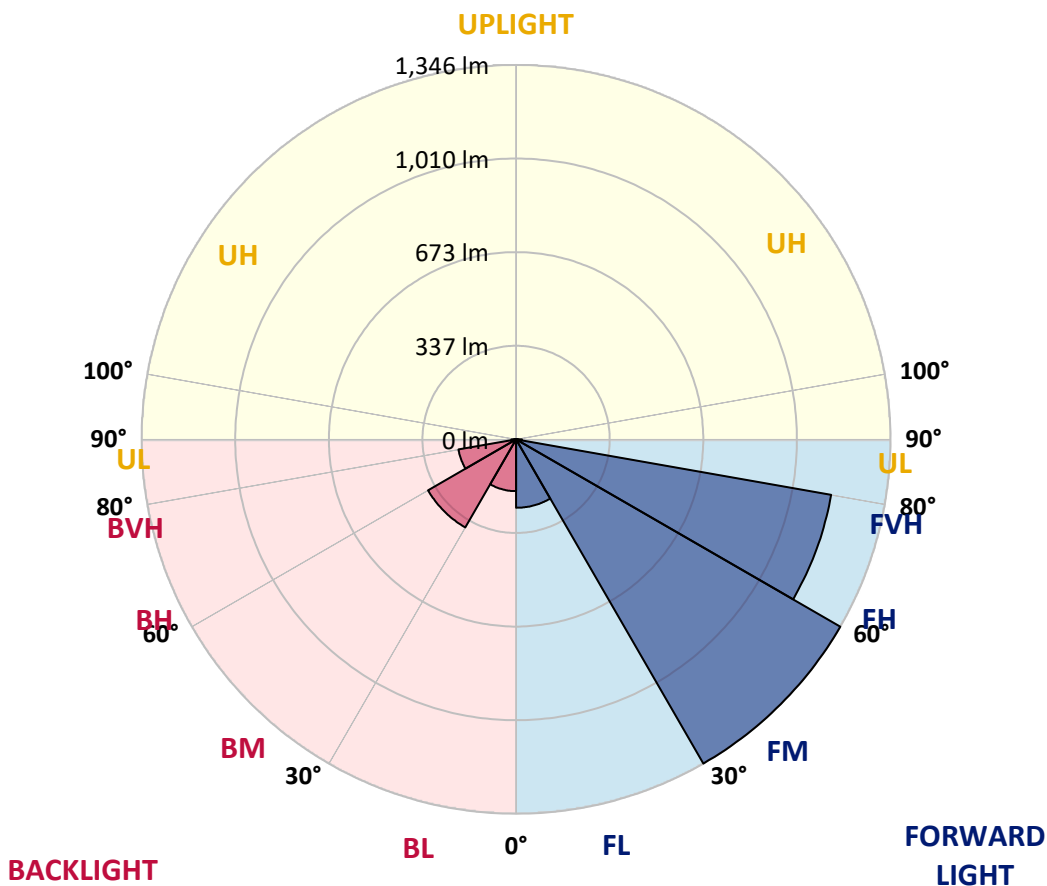
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.1	6.9			
FM (30°-60°)	1346.4	38.0			
FH (60°-80°)	1150.4	32.5			G1/1800
FVH (80°-90°)	21.1	0.6			G1/100
BL (0°-30°)	186.3	5.3	B1/500		
BM (30°-60°)	365.7	10.3	B1/1000		
BH (60°-80°)	210.2	5.9	B1/500		G1/500
BVH (80°-90°)	16.7	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°	55°	57°	65°	75°	85°
0°	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9
2.5°	433.0	432.5	432.2	433.7	433.2	433.0	433.0	432.7	432.2	430.2	427.4
5°	444.9	443.9	442.9	444.2	443.1	442.1	441.9	441.4	439.6	436.5	432.2
7.5°	457.4	456.3	456.6	457.4	456.6	456.1	455.3	454.8	452.0	447.2	441.4
10°	474.9	474.9	475.4	476.1	476.4	475.6	474.1	473.3	470.0	464.0	455.8
12.5°	500.2	499.7	499.7	499.2	500.0	499.2	497.7	496.4	492.4	484.5	472.8
15°	533.7	531.7	529.9	526.6	525.6	522.8	523.3	522.6	518.8	508.1	493.4
17.5°	569.5	569.3	566.5	559.9	553.3	548.7	549.7	549.5	547.5	533.0	514.2
20°	601.0	602.3	599.7	594.7	585.8	577.1	576.6	577.9	575.4	560.9	534.8
22.5°	636.3	635.3	632.7	626.1	619.5	610.4	607.3	606.3	605.3	588.8	555.8
25°	669.8	672.8	669.5	663.4	653.3	643.4	640.9	641.9	639.1	617.2	578.4
27.5°	712.2	713.4	711.4	703.0	694.4	680.4	675.6	675.6	674.6	643.9	596.2
30°	757.3	760.9	757.3	750.5	741.6	721.6	711.2	710.1	707.1	671.3	617.0
32.5°	802.8	805.3	802.8	796.2	786.0	768.5	753.5	751.3	747.2	701.3	638.3
35°	843.1	845.4	844.9	846.4	838.1	816.0	806.8	805.8	795.2	740.3	667.2
37.5°	887.3	890.1	886.3	889.3	886.0	865.2	862.4	857.3	842.1	777.1	697.7
40°	937.5	940.1	934.0	935.3	931.5	919.8	905.6	898.7	876.1	817.0	745.7
42.5°	991.4	997.2	1000.0	997.7	988.8	982.2	957.3	948.7	929.9	888.8	824.6
45°	1069.3	1077.9	1082.0	1076.1	1072.3	1062.9	1032.5	1022.1	1012.2	990.1	934.8
47.5°	1153.3	1161.1	1174.1	1176.6	1179.7	1172.6	1129.7	1119.5	1121.3	1118.8	1070.3
50°	1220.3	1226.9	1256.1	1287.3	1313.2	1315.2	1260.4	1249.5	1259.1	1267.2	1233.5
52.5°	1269.0	1274.8	1313.4	1377.9	1436.5	1479.9	1420.8	1408.3	1416.2	1434.5	1419.0
55°	1308.6	1316.7	1357.1	1456.1	1574.6	1643.1	1605.3	1589.6	1586.3	1608.9	1617.7
57.5°	1329.4	1332.0	1388.6	1517.2	1675.9	1803.3	1819.8	1802.0	1770.5	1783.0	1829.2
60°	1282.0	1286.3	1363.7	1533.0	1755.8	1962.1	2044.9	2030.2	1963.2	1970.0	2021.0
62.5°	1150.7	1156.8	1250.0	1458.1	1762.4	2068.2	2252.7	2243.4	2153.5	2116.5	2131.7
65°	923.1	925.1	1021.6	1272.8	1631.2	2081.4	2397.7	2395.4	2286.5	2199.7	2134.5
67.5°	526.4	522.8	651.8	907.9	1346.2	1909.9	2407.1	2420.5	2329.7	2186.0	1956.8
70°	228.2	228.7	288.1	448.0	871.3	1543.6	2235.7	2258.8	2204.8	1957.8	1556.8
72.5°	105.6	107.1	132.7	193.9	372.1	957.6	1823.1	1843.9	1797.4	1567.0	1132.7
75°	74.6	75.9	88.6	111.2	171.1	373.1	1219.5	1263.2	1285.8	1172.1	746.4
77.5°	56.6	58.4	64.7	77.2	105.6	132.2	583.5	687.6	819.0	729.2	384.5
80°	36.0	36.0	42.9	51.5	64.5	68.8	168.5	199.7	400.8	300.5	151.0
82.5°	24.4	25.1	29.2	32.7	37.1	39.1	72.3	77.2	115.7	102.3	62.2
85°	12.9	13.5	15.2	15.0	17.8	15.5	30.5	30.2	42.4	46.4	23.6
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.3	3.6	8.9	14.2	7.9
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°	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9	426.9
2.5°	428.9	425.9	427.4	426.9	428.4	428.4	425.6	424.9	425.1	422.1	421.1
5°	432.7	429.2	429.9	428.9	430.4	431.7	430.4	430.4	432.0	429.7	428.4
7.5°	441.4	437.3	437.3	436.0	437.8	438.8	437.8	439.3	442.1	439.8	438.6
10°	455.1	450.2	450.5	449.0	449.7	449.2	445.2	443.9	444.7	442.6	441.6
12.5°	472.8	466.2	466.2	463.2	461.4	456.1	447.7	444.7	445.2	443.4	442.6
15°	489.8	483.7	482.5	476.4	468.3	458.4	450.8	448.7	449.2	447.5	446.2
17.5°	509.9	502.0	497.5	486.3	471.3	461.2	453.5	448.7	444.7	440.6	439.6
20°	528.4	518.5	510.1	492.9	474.6	460.7	446.4	434.5	424.6	419.3	418.0
22.5°	547.5	534.8	520.0	497.5	474.4	451.5	425.4	407.4	392.6	384.8	386.3
25°	565.5	549.5	529.4	501.8	466.2	431.2	395.7	368.8	352.0	345.9	344.2
27.5°	580.4	560.6	538.1	499.7	449.5	402.0	355.1	325.1	308.9	302.0	300.2
30°	597.2	574.9	550.5	490.3	423.1	361.2	309.1	284.8	273.1	266.5	266.7
32.5°	616.5	593.1	568.0	472.3	389.3	317.0	271.3	254.6	245.2	238.6	237.6
35°	642.4	619.3	579.7	445.2	346.4	276.4	245.4	231.7	220.0	211.4	209.6
37.5°	674.4	658.6	581.0	408.9	300.5	248.5	226.9	212.2	198.0	186.5	185.3
40°	729.2	711.2	570.5	363.4	261.4	230.5	211.4	194.4	177.9	165.2	163.4
42.5°	807.3	770.3	548.2	312.2	232.0	216.2	196.7	175.1	158.4	149.5	148.2
45°	906.8	836.3	514.7	264.0	210.1	202.3	181.2	158.6	149.7	143.4	142.1
47.5°	1028.7	913.2	476.1	226.4	193.1	189.6	165.5	153.0	145.2	139.8	138.6
50°	1174.3	1011.1	444.4	197.0	177.9	174.9	160.4	149.7	143.4	139.1	138.1
52.5°	1340.6	1120.0	428.9	175.9	164.7	161.7	158.6	149.0	143.7	140.4	139.1
55°	1513.2	1234.7	414.5	159.6	153.6	155.3	158.9	151.5	147.5	143.1	141.9
57.5°	1679.9	1342.4	378.9	147.0	145.4	152.3	160.1	154.1	149.2	144.9	143.4
60°	1794.9	1401.2	318.8	136.8	139.3	148.5	156.8	150.3	144.2	142.4	141.6
62.5°	1825.9	1394.1	247.5	126.4	132.0	140.1	148.2	143.9	137.6	140.4	140.6
65°	1753.5	1318.0	185.8	116.2	122.3	129.2	139.3	137.6	135.3	142.9	143.1
67.5°	1548.7	1130.9	141.6	107.4	112.4	120.8	136.5	143.9	144.4	154.1	153.0
70°	1171.8	844.9	110.9	99.0	104.8	120.8	145.4	148.7	142.6	151.5	149.5
72.5°	810.1	557.6	94.4	91.6	95.4	115.2	145.2	145.2	138.6	138.6	134.8
75°	503.3	327.9	82.2	82.2	82.2	100.8	141.1	133.8	122.1	116.7	113.7
77.5°	248.5	159.4	69.0	71.6	68.8	84.3	115.2	109.4	102.3	96.7	94.7
80°	106.1	79.7	55.8	58.6	55.3	63.5	91.4	90.1	83.2	75.9	73.6
82.5°	48.7	41.1	44.7	45.9	40.4	47.7	66.7	66.7	62.9	52.8	49.0
85°	20.8	21.8	31.0	31.0	25.4	26.9	35.8	34.0	30.5	24.9	22.8
87.5°	7.1	10.7	15.7	13.7	5.3	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)