

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: P629316

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629316
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-SA1B-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3537.3 lumens
Efficiency: N/A
Efficacy: 141.5 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

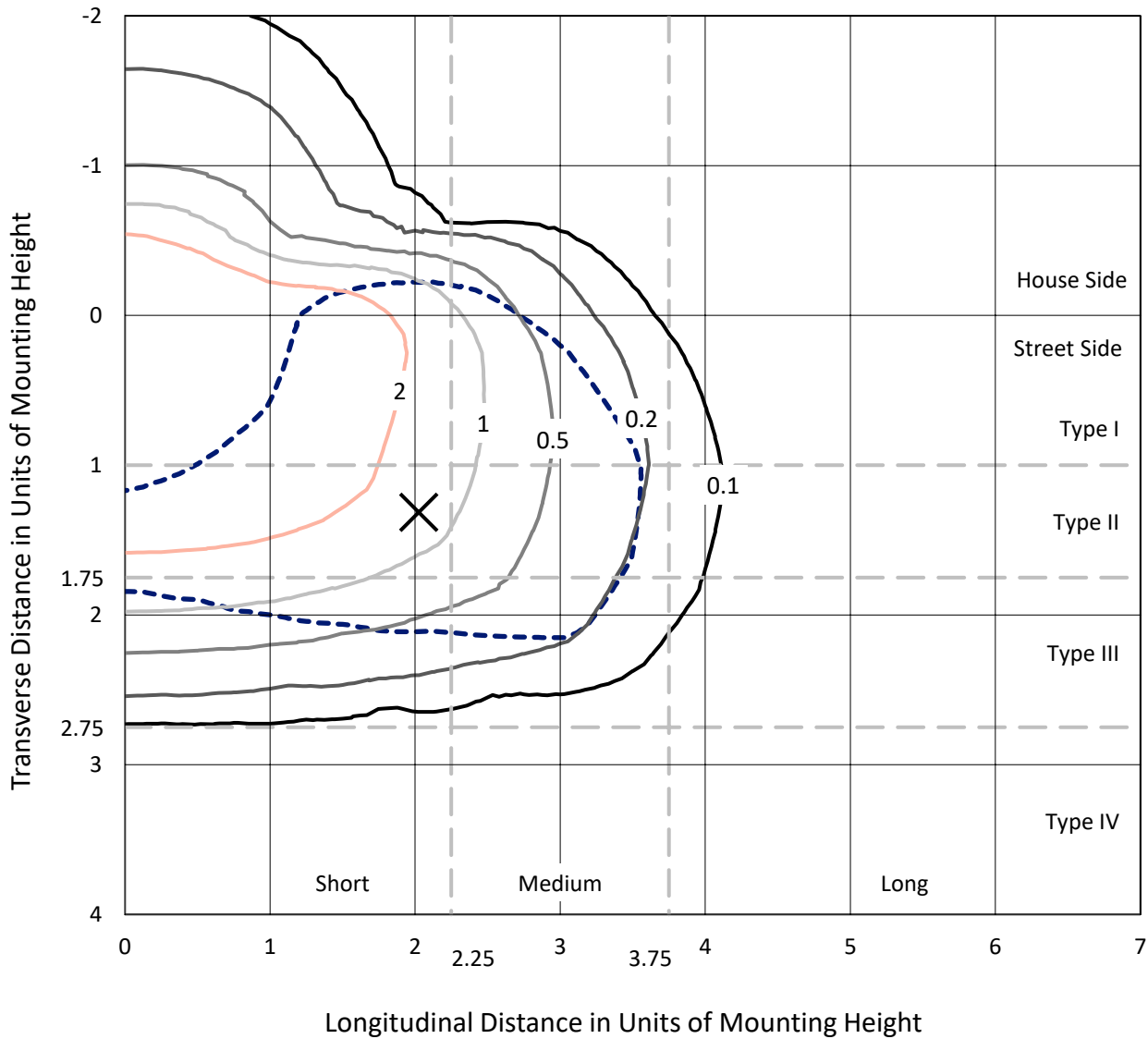
Input Watts (W): 25
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

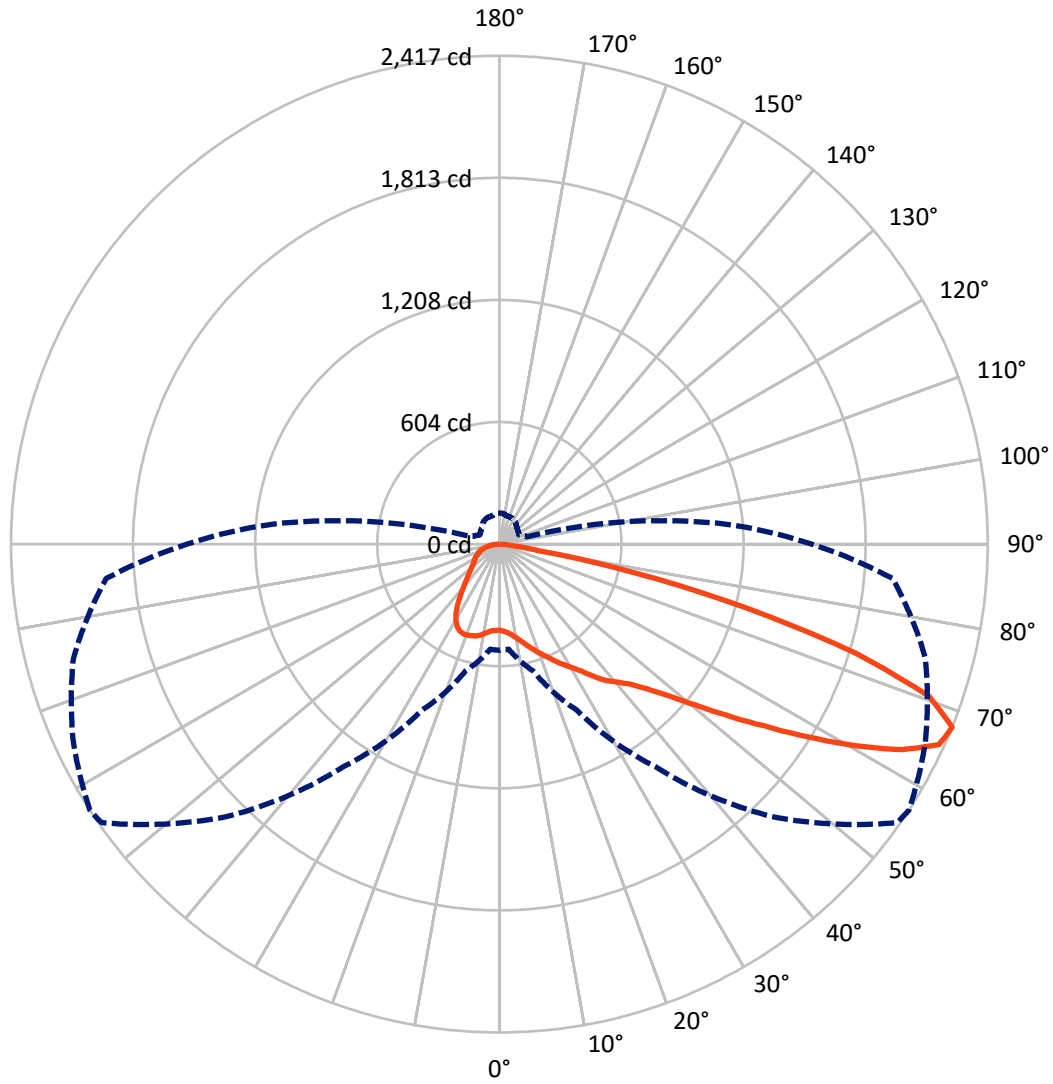
✕ Max cd
 - - - 1/2 Max cd



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	777.7	0.0	777.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2759.6	0.0	2759.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	3537.3	0.0	3537.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.2
10°-20°	139.9	4.0
20°-30°	249.5	7.1
30°-40°	362.7	10.3
40°-50°	525.0	14.8
50°-60°	821.6	23.2
60°-70°	958.4	27.1
70°-80°	400.1	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°	3537.3	100.0
0°-180°	3537.3	100.0

Coefficient of Utilization



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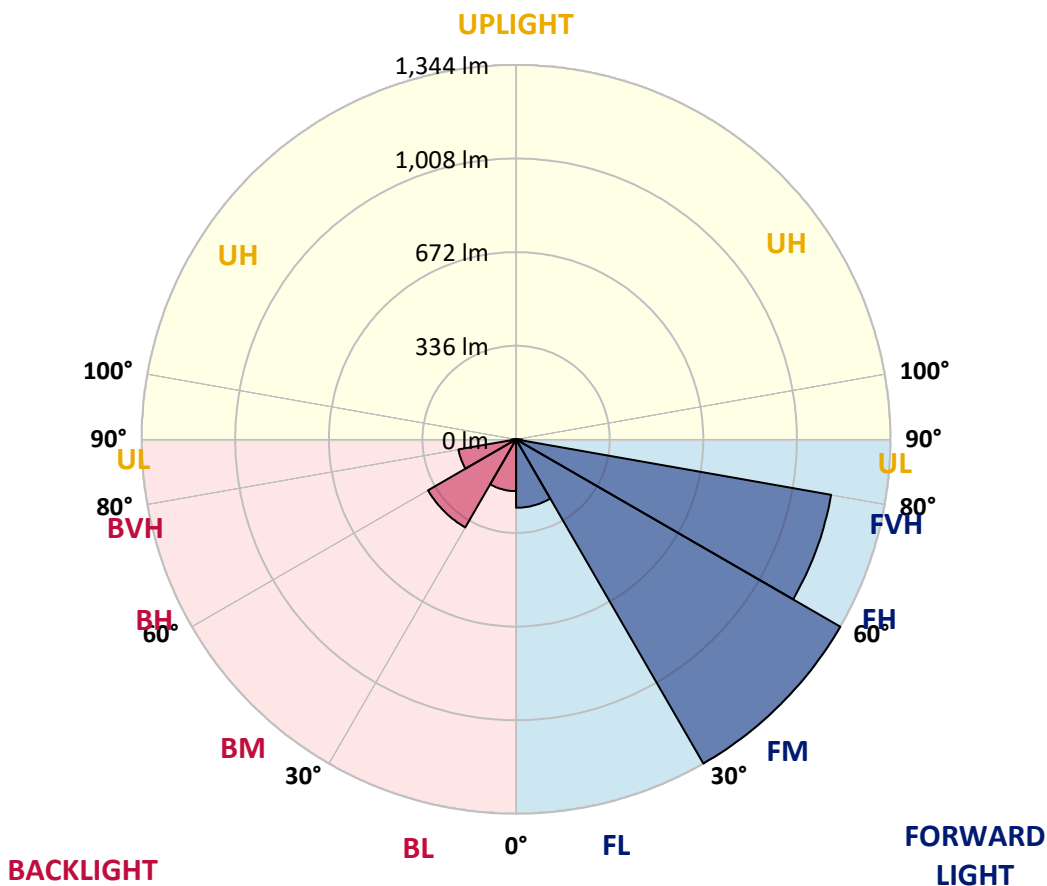
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.7	6.9			
FM (30°-60°)	1344.2	38.0			
FH (60°-80°)	1148.6	32.5			G1/1800
FVH (80°-90°)	21.0	0.6			G1/100
BL (0°-30°)	186.0	5.3	B1/500		
BM (30°-60°)	365.1	10.3	B1/1000		
BH (60°-80°)	209.9	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°	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2
2.5°	432.3	431.8	431.5	433.1	432.6	432.3	432.3	432.0	431.5	429.5	426.7
5°	444.2	443.2	442.2	443.5	442.4	441.4	441.2	440.7	438.9	435.8	431.5
7.5°	456.6	455.6	455.9	456.6	455.9	455.4	454.6	454.1	451.3	446.5	440.7
10°	474.1	474.1	474.6	475.4	475.6	474.9	473.4	472.6	469.3	463.2	455.1
12.5°	499.5	498.9	498.9	498.4	499.2	498.4	496.9	495.7	491.6	483.7	472.1
15°	532.9	530.9	529.1	525.8	524.8	522.0	522.5	521.8	518.0	507.3	492.6
17.5°	568.6	568.4	565.6	559.0	552.4	547.9	548.9	548.6	546.6	532.1	513.4
20°	600.1	601.3	598.8	593.7	584.8	576.2	575.7	577.0	574.5	560.0	533.9
22.5°	635.3	634.3	631.7	625.1	618.6	609.4	606.4	605.4	604.4	587.9	554.9
25°	668.7	671.8	668.5	662.4	652.3	642.4	639.8	640.9	638.1	616.3	577.5
27.5°	711.0	712.3	710.3	701.9	693.3	679.4	674.6	674.6	673.5	642.9	595.2
30°	756.1	759.7	756.1	749.3	740.4	720.4	710.0	709.0	706.0	670.2	616.0
32.5°	801.5	804.0	801.5	794.9	784.8	767.3	752.3	750.1	746.0	700.1	637.3
35°	841.8	844.1	843.6	845.1	836.7	814.7	805.6	804.5	793.9	739.2	666.2
37.5°	885.9	888.7	884.9	887.9	884.6	863.8	861.1	856.0	840.8	775.9	696.6
40°	936.1	938.6	932.5	933.8	930.0	918.3	904.1	897.3	874.7	815.7	744.5
42.5°	989.8	995.6	998.4	996.1	987.3	980.7	955.8	947.2	928.5	887.4	823.3
45°	1067.6	1076.2	1080.2	1074.4	1070.6	1061.2	1030.8	1020.4	1010.6	988.5	933.3
47.5°	1151.5	1159.3	1172.2	1174.8	1177.8	1170.7	1127.9	1117.8	1119.5	1117.0	1068.6
50°	1218.4	1224.9	1254.1	1285.3	1311.1	1313.1	1258.4	1247.5	1257.1	1265.2	1231.5
52.5°	1267.0	1272.8	1311.4	1375.7	1434.2	1477.6	1418.5	1406.1	1414.0	1432.2	1416.8
55°	1306.5	1314.6	1354.9	1453.8	1572.1	1640.5	1602.8	1587.1	1583.8	1606.3	1615.2
57.5°	1327.3	1329.8	1386.4	1514.8	1673.2	1800.4	1816.9	1799.1	1767.7	1780.1	1826.3
60°	1279.9	1284.2	1361.5	1530.5	1753.0	1959.0	2041.7	2027.0	1960.1	1966.9	2017.8
62.5°	1148.9	1155.0	1248.0	1455.8	1759.6	2065.0	2249.2	2239.8	2150.1	2113.1	2128.3
65°	921.6	923.6	1019.9	1270.8	1628.6	2078.1	2393.9	2391.6	2282.9	2196.2	2131.1
67.5°	525.6	522.0	650.7	906.4	1344.0	1906.8	2403.3	2416.7	2326.0	2182.5	1953.7
70°	227.8	228.3	287.6	447.3	869.9	1541.2	2232.2	2255.3	2201.3	1954.7	1554.4
72.5°	105.4	106.9	132.5	193.6	371.5	956.1	1820.2	1841.0	1794.6	1564.5	1130.9
75°	74.5	75.8	88.4	111.0	170.8	372.5	1217.6	1261.2	1283.7	1170.2	745.3
77.5°	56.5	58.3	64.6	77.0	105.4	132.0	582.6	686.5	817.7	728.0	383.9
80°	36.0	36.0	42.8	51.4	64.4	68.7	168.3	199.4	400.1	300.0	150.8
82.5°	24.3	25.1	29.1	32.7	37.0	39.0	72.2	77.0	115.6	102.1	62.1
85°	12.9	13.4	15.2	15.0	17.7	15.5	30.4	30.2	42.3	46.4	23.6
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.3	3.5	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°	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2
2.5°	428.2	425.2	426.7	426.2	427.7	427.7	425.0	424.2	424.4	421.4	420.4
5°	432.0	428.5	429.3	428.2	429.8	431.0	429.8	429.8	431.3	429.0	427.7
7.5°	440.7	436.6	436.6	435.3	437.1	438.1	437.1	438.6	441.4	439.1	437.9
10°	454.3	449.5	449.8	448.3	449.0	448.5	444.5	443.2	444.0	441.9	440.9
12.5°	472.1	465.5	465.5	462.5	460.7	455.4	447.0	444.0	444.5	442.7	441.9
15°	489.1	483.0	481.7	475.6	467.5	457.6	450.0	448.0	448.5	446.7	445.5
17.5°	509.1	501.2	496.7	485.5	470.6	460.4	452.8	448.0	444.0	439.9	438.9
20°	527.6	517.7	509.3	492.1	473.9	459.9	445.7	433.8	423.9	418.6	417.4
22.5°	546.6	533.9	519.2	496.7	473.6	450.8	424.7	406.7	392.0	384.2	385.7
25°	564.6	548.6	528.6	501.0	465.5	430.5	395.1	368.2	351.5	345.4	343.6
27.5°	579.5	559.8	537.2	498.9	448.8	401.4	354.5	324.6	308.4	301.5	299.8
30°	596.3	574.0	549.6	489.6	422.4	360.6	308.6	284.3	272.7	266.1	266.3
32.5°	615.5	592.2	567.1	471.6	388.7	316.5	270.9	254.2	244.8	238.2	237.2
35°	641.4	618.3	578.8	444.5	345.9	276.0	245.0	231.4	219.7	211.1	209.3
37.5°	673.3	657.6	580.0	408.2	300.0	248.1	226.5	211.8	197.7	186.2	185.0
40°	728.0	710.0	569.6	362.9	261.0	230.1	211.1	194.1	177.6	165.0	163.2
42.5°	806.1	769.1	547.3	311.7	231.6	215.9	196.4	174.8	158.1	149.3	148.0
45°	905.4	835.0	513.9	263.5	209.8	202.0	180.9	158.4	149.5	143.2	141.9
47.5°	1027.0	911.7	475.4	226.0	192.8	189.3	165.2	152.8	144.9	139.6	138.4
50°	1172.5	1009.5	443.7	196.6	177.6	174.6	160.1	149.5	143.2	138.9	137.9
52.5°	1338.5	1118.3	428.2	175.6	164.5	161.4	158.4	148.7	143.4	140.1	138.9
55°	1510.8	1232.8	413.8	159.4	153.3	155.1	158.6	151.3	147.2	142.9	141.7
57.5°	1677.3	1340.2	378.3	146.7	145.2	152.0	159.9	153.8	149.0	144.7	143.2
60°	1792.1	1399.0	318.3	136.6	139.1	148.2	156.6	150.0	143.9	142.2	141.4
62.5°	1823.0	1391.9	247.1	126.2	131.8	139.9	148.0	143.7	137.3	140.1	140.4
65°	1750.7	1315.9	185.5	116.1	122.1	129.0	139.1	137.3	135.1	142.7	142.9
67.5°	1546.3	1129.2	141.4	107.2	112.3	120.6	136.3	143.7	144.2	153.8	152.8
70°	1170.0	843.6	110.7	98.8	104.7	120.6	145.2	148.5	142.4	151.3	149.3
72.5°	808.9	556.7	94.3	91.5	95.3	115.0	144.9	144.9	138.4	138.4	134.6
75°	502.5	327.4	82.1	82.1	82.1	100.6	140.9	133.5	121.9	116.6	113.5
77.5°	248.1	159.1	68.9	71.5	68.7	84.1	115.0	109.2	102.1	96.5	94.5
80°	105.9	79.6	55.7	58.5	55.2	63.4	91.2	90.0	83.1	75.8	73.5
82.5°	48.7	41.1	44.6	45.9	40.3	47.6	66.6	66.6	62.8	52.7	48.9
85°	20.8	21.8	30.9	30.9	25.3	26.9	35.7	34.0	30.4	24.8	22.8
87.5°	7.1	10.6	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)