

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: P629395

Luminaire Tested: GWS-SA1B-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3774 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

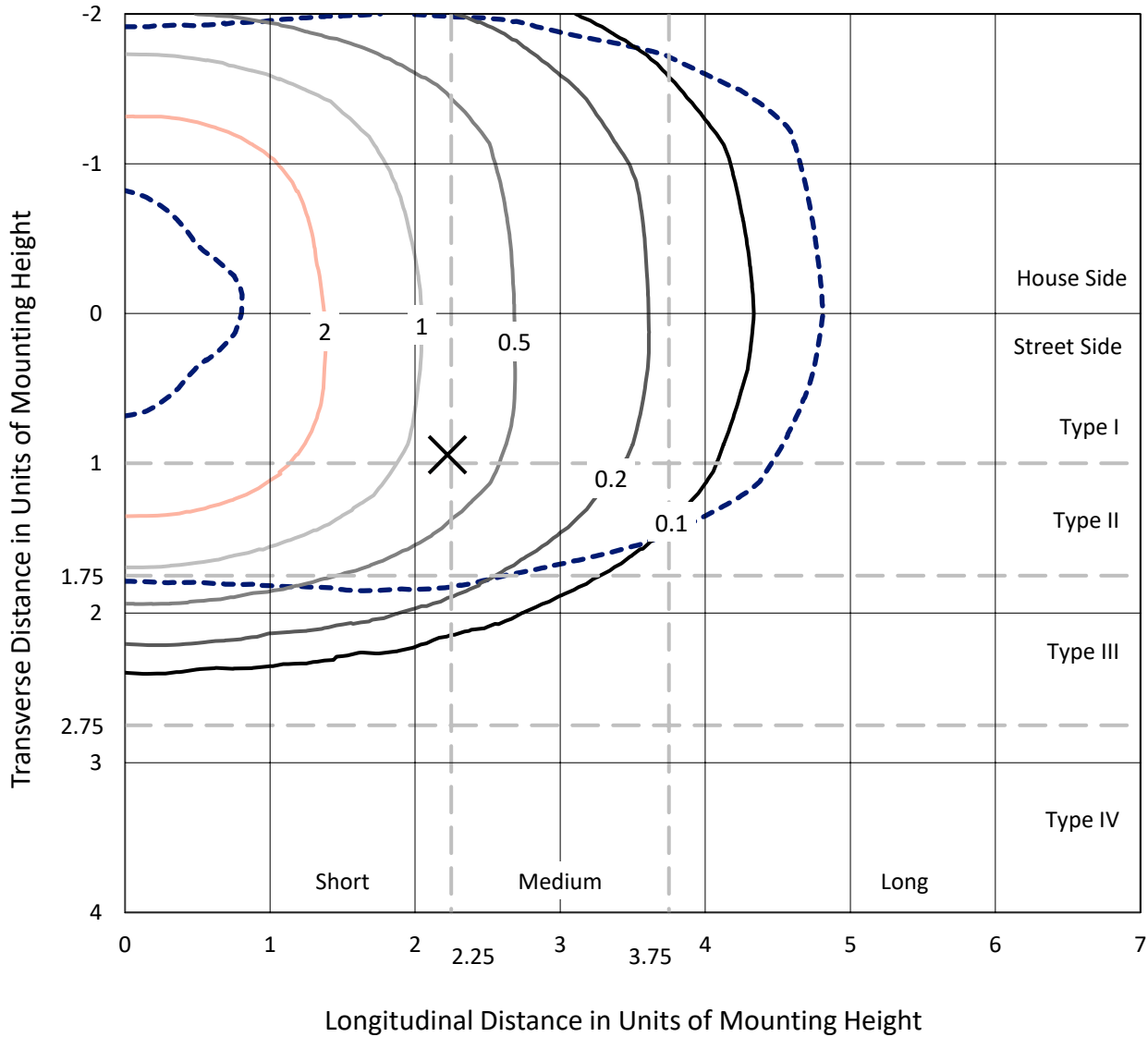
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

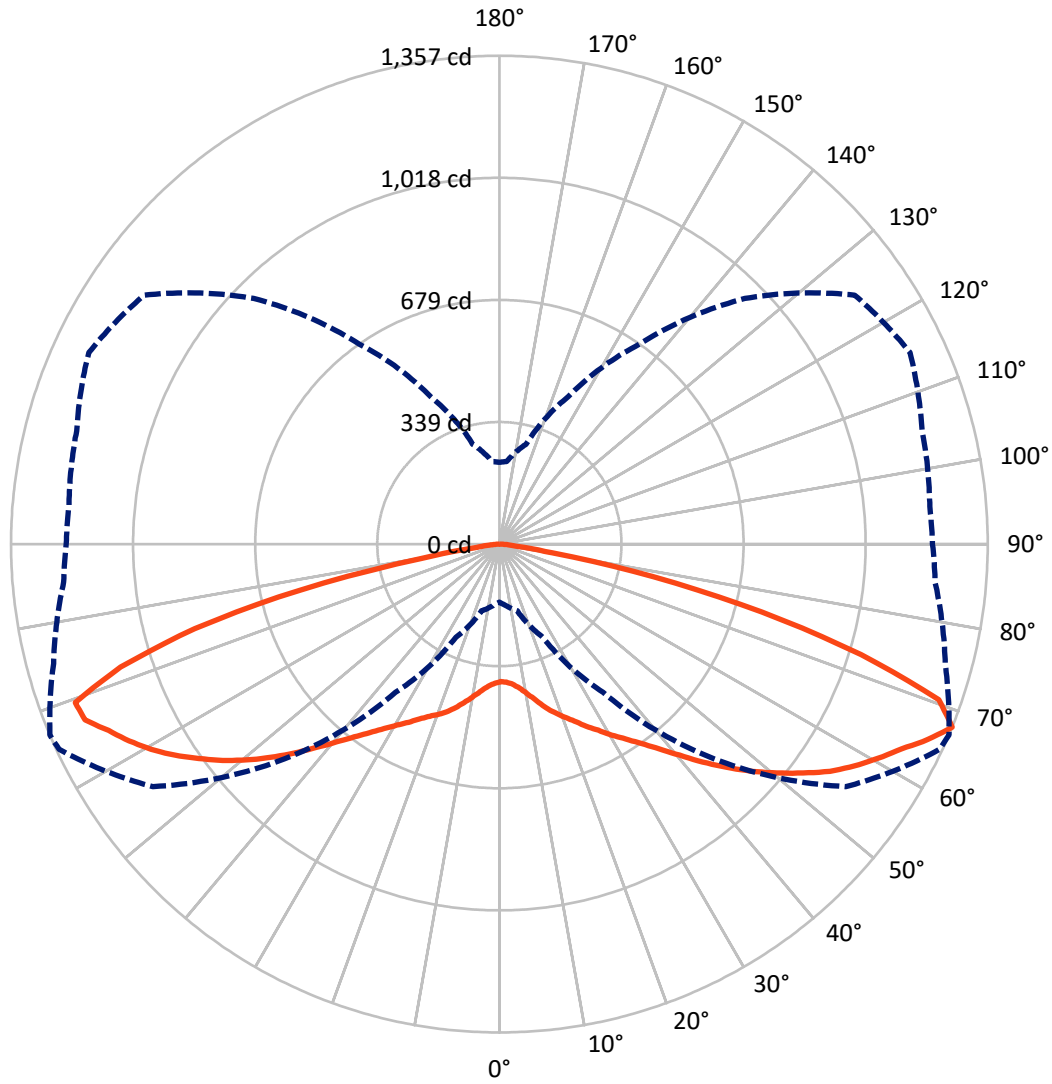
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1866.2	0.0	1866.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1907.8	0.0	1907.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	3774.0	0.0	3774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.0
10°-20°	126.7	3.4
20°-30°	248.5	6.6
30°-40°	423.4	11.2
40°-50°	679.9	18.0
50°-60°	923.8	24.5
60°-70°	883.7	23.4
70°-80°	420.1	11.1
80°-90°	30.5	0.8
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°	3774.0	100.0
0°-180°	3774.0	100.0

Coefficient of Utilization



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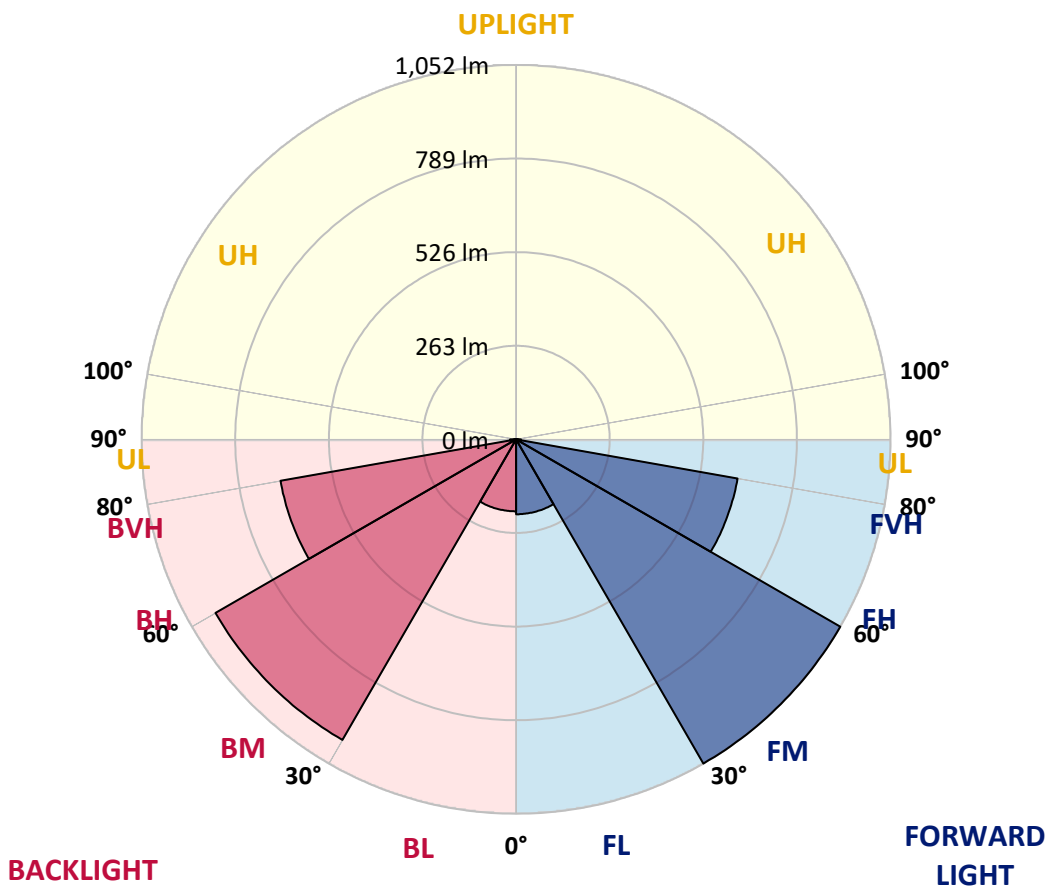
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.4	5.6			
FM (30°-60°)	1051.8	27.9			
FH (60°-80°)	631.9	16.7			G0/660
FVH (80°-90°)	13.7	0.4			G1/100
BL (0°-30°)	202.2	5.4	B1/500		
BM (30°-60°)	975.2	25.8	B1/1000		
BH (60°-80°)	671.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	16.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1
2.5°	374.3	374.8	375.6	377.1	378.7	381.1	383.5	383.2	384.2	385.0	385.8
5°	372.2	372.7	374.0	376.1	378.5	382.4	387.4	389.5	391.1	394.0	396.6
7.5°	376.6	377.7	379.5	382.4	386.1	391.1	397.9	401.6	404.0	409.2	413.7
10°	382.7	384.0	387.7	393.2	398.7	406.3	415.0	420.5	422.1	428.9	437.3
12.5°	388.4	390.0	396.1	406.1	416.0	426.3	436.5	443.4	443.9	453.1	462.6
15°	397.6	399.0	407.1	420.0	435.2	449.4	462.0	466.8	468.9	475.4	487.3
17.5°	417.9	419.5	430.0	443.9	459.9	474.9	487.5	491.5	491.5	497.0	506.7
20°	439.7	441.3	455.2	473.1	492.5	507.8	517.5	513.8	512.5	514.1	520.9
22.5°	464.1	467.0	480.4	501.2	525.1	543.8	548.8	537.7	534.0	530.4	531.9
25°	495.4	498.8	512.0	534.0	557.4	577.2	580.0	563.0	560.9	548.0	543.2
27.5°	531.4	534.0	550.3	572.2	594.0	610.5	613.7	592.7	585.6	567.7	556.7
30°	577.9	580.3	594.5	616.0	635.0	646.5	650.5	621.6	616.0	588.7	571.6
32.5°	628.7	629.7	644.2	664.9	681.8	692.8	687.3	653.6	645.5	614.7	591.3
35°	686.7	686.7	705.4	722.2	735.6	738.8	728.3	689.9	680.4	647.1	617.9
37.5°	743.8	745.4	762.7	782.7	794.5	794.0	774.8	732.7	722.0	685.7	653.4
40°	805.5	809.0	826.3	848.6	859.9	858.4	828.9	782.1	771.1	728.3	696.7
42.5°	862.3	867.8	888.1	910.9	923.3	922.2	891.5	838.9	828.1	779.8	748.2
45°	907.5	913.3	938.5	970.3	990.0	988.2	957.2	897.8	884.6	833.9	799.2
47.5°	947.2	953.2	981.4	1015.0	1046.3	1049.4	1021.1	957.2	943.3	892.0	852.8
50°	977.7	980.6	1012.1	1048.9	1085.2	1102.8	1078.1	1016.8	1000.0	949.3	905.1
52.5°	975.3	979.3	1018.2	1068.1	1116.7	1145.6	1128.5	1073.1	1056.8	1001.6	958.5
55°	927.2	931.2	977.4	1050.2	1134.3	1176.9	1175.1	1126.7	1114.9	1055.0	1014.0
57.5°	857.1	865.7	911.7	990.3	1111.2	1201.9	1209.2	1175.6	1163.2	1107.3	1068.9
60°	731.4	743.0	796.1	898.1	1037.1	1193.5	1245.8	1216.9	1209.2	1155.9	1118.6
62.5°	531.4	539.8	610.5	744.3	927.2	1133.5	1276.5	1259.4	1253.6	1199.5	1163.5
65°	318.3	337.5	394.2	526.4	748.0	1020.5	1259.7	1315.1	1309.1	1244.4	1201.9
67.5°	161.1	169.8	192.1	285.4	503.0	844.4	1175.3	1349.8	1357.2	1282.8	1215.5
70°	99.9	102.2	108.5	140.9	251.3	554.8	961.1	1259.4	1295.4	1276.8	1180.1
72.5°	80.2	80.7	81.7	87.8	120.6	259.4	607.6	986.4	1051.3	1192.4	1129.3
75°	66.5	66.8	67.0	68.9	75.2	105.9	295.7	677.8	753.8	1013.4	1047.1
77.5°	53.4	52.0	53.1	53.9	55.5	59.1	102.0	361.6	438.6	665.2	809.7
80°	34.7	34.2	36.3	37.1	38.6	41.0	54.4	122.7	149.0	242.1	257.6
82.5°	18.7	17.6	22.1	21.3	22.1	23.9	32.1	44.9	50.5	73.1	61.8
85°	5.8	5.8	6.0	7.1	8.7	8.4	13.9	22.1	24.4	31.3	23.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.3	2.9	4.5	6.0	10.8	8.1
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°	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1	382.1
2.5°	387.4	385.0	386.3	387.1	386.9	386.3	383.7	383.2	381.9	379.8	379.2
5°	399.0	396.3	396.6	395.8	393.2	389.8	384.0	381.1	378.7	376.1	375.8
7.5°	417.1	414.2	413.4	409.7	402.4	394.5	385.3	380.0	376.1	372.7	372.2
10°	440.2	437.3	434.7	426.0	413.9	403.4	391.3	383.7	377.9	373.7	372.9
12.5°	466.0	463.6	457.0	444.4	430.0	417.6	405.3	395.8	387.4	381.1	380.3
15°	494.6	489.4	479.4	463.1	449.4	439.4	424.5	411.6	398.2	389.8	387.9
17.5°	514.6	510.1	498.3	482.5	471.8	463.1	445.5	427.1	408.9	396.6	394.0
20°	528.8	524.1	510.7	499.1	495.7	488.3	467.8	446.5	425.5	410.3	406.8
22.5°	539.0	534.0	520.4	514.6	519.3	518.0	498.0	473.9	448.9	430.8	426.6
25°	548.8	544.0	531.9	534.0	546.7	550.6	529.1	500.9	472.5	451.3	446.3
27.5°	558.0	551.9	546.4	558.0	575.8	583.2	560.3	528.5	497.8	476.0	472.0
30°	572.2	565.1	564.3	581.1	609.5	615.8	590.6	558.8	528.3	506.2	501.2
32.5°	590.0	583.5	584.0	609.2	642.1	647.3	625.8	596.1	565.6	543.5	536.7
35°	614.2	606.1	610.5	641.5	674.7	684.4	667.0	642.3	612.6	590.0	582.4
37.5°	647.6	635.8	645.0	677.5	710.9	725.4	712.0	693.6	664.1	641.3	634.2
40°	690.2	680.4	684.1	720.1	754.6	771.9	763.5	745.4	716.2	692.3	684.1
42.5°	740.6	730.9	729.6	768.0	802.4	828.7	820.5	804.0	773.7	746.4	738.5
45°	790.0	781.1	782.9	822.1	860.7	889.4	881.2	861.8	828.9	797.4	791.1
47.5°	841.5	834.2	835.8	877.3	919.9	948.5	938.3	914.6	876.2	842.6	835.0
50°	894.4	886.0	888.3	932.0	977.9	1005.0	989.2	954.3	912.0	879.1	872.6
52.5°	946.9	936.9	943.0	984.3	1031.8	1053.4	1024.2	981.9	940.9	908.3	900.9
55°	1007.4	996.9	990.3	1034.5	1081.5	1090.4	1050.5	1001.1	952.5	915.4	910.9
57.5°	1062.6	1053.6	1041.3	1085.4	1120.1	1113.6	1070.7	995.8	924.3	876.8	870.5
60°	1112.0	1104.4	1093.6	1131.2	1146.9	1132.2	1054.4	933.5	854.9	805.3	802.4
62.5°	1157.5	1149.3	1139.3	1171.4	1169.3	1135.1	980.3	837.9	732.7	679.4	674.7
65°	1193.5	1186.1	1183.2	1208.4	1205.0	1078.6	864.9	681.2	535.4	475.2	473.3
67.5°	1203.7	1200.8	1216.3	1259.2	1205.8	965.1	678.3	451.8	287.5	230.5	227.1
70°	1165.3	1165.1	1209.5	1270.7	1096.5	737.2	400.3	203.7	144.6	128.3	126.2
72.5°	1115.4	1114.6	1149.8	1096.2	813.2	403.4	168.5	109.1	90.4	85.9	85.9
75°	1033.4	1031.3	1057.8	833.9	457.3	151.9	89.4	74.9	71.0	70.2	70.2
77.5°	842.3	824.7	782.9	515.4	159.5	74.6	59.1	58.9	56.5	56.2	56.2
80°	277.0	277.0	322.0	196.6	70.4	46.0	41.8	43.9	41.5	39.9	39.7
82.5°	45.2	62.3	88.6	56.2	38.1	28.6	25.8	27.3	28.6	22.9	22.9
85°	17.9	23.4	34.2	26.3	17.6	11.6	12.4	13.7	12.1	10.5	10.2
87.5°	6.8	8.4	12.1	6.3	3.7	2.1	1.3	1.3	1.1	1.1	1.1
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)