

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: P629450

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629450
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-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3722.3 lumens
Efficiency: N/A
Efficacy: 148.9 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

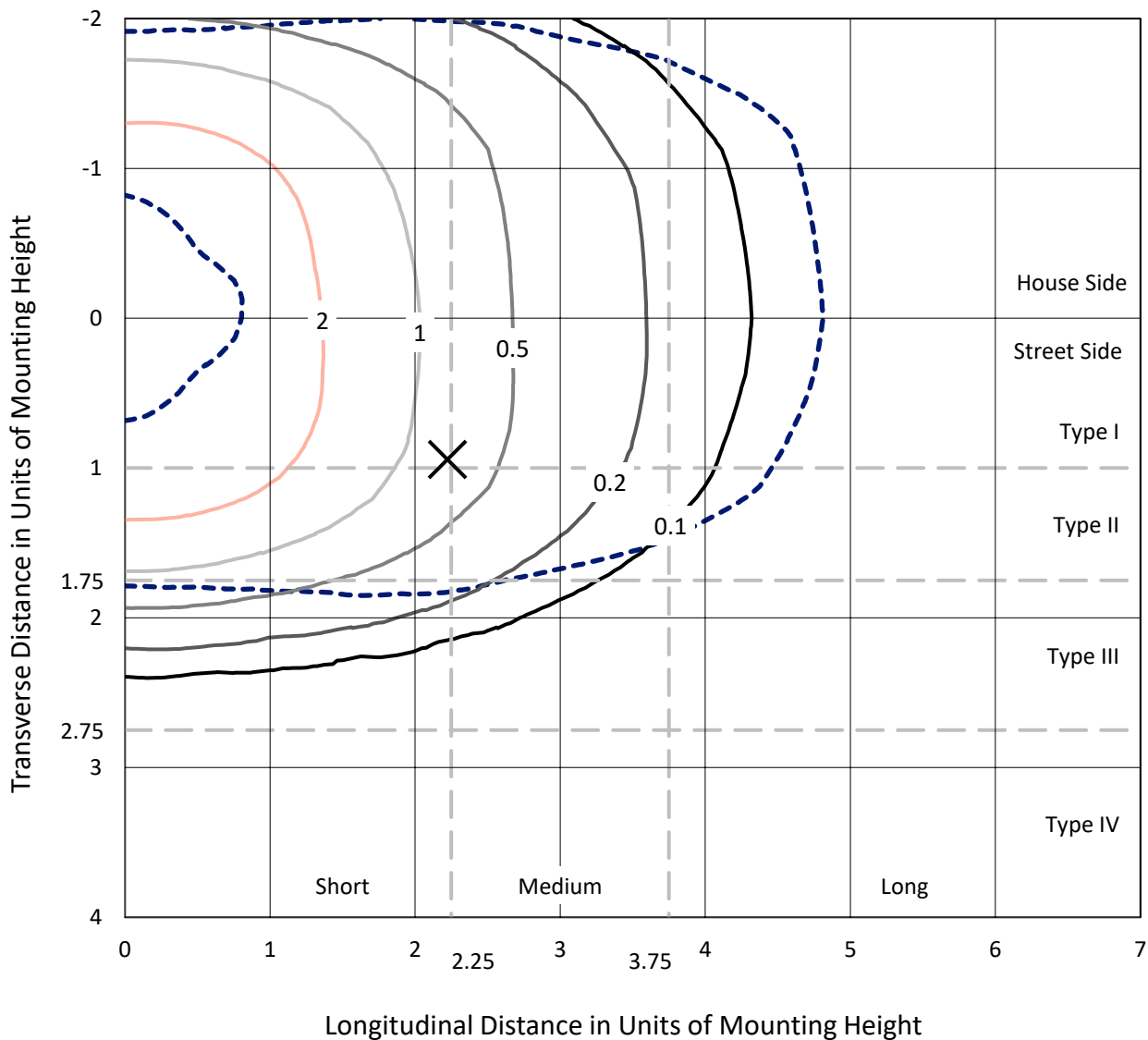
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

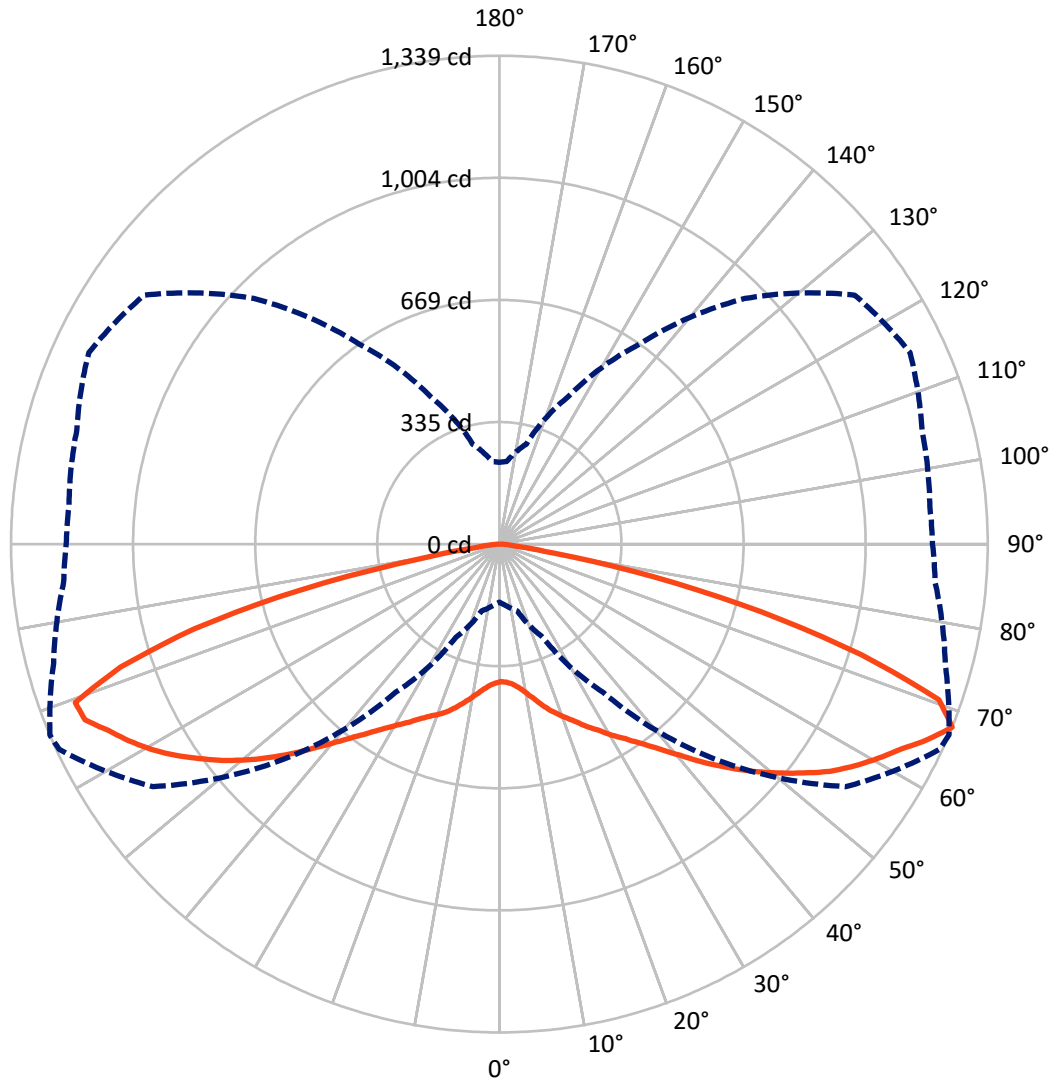
✕ Max cd
 - - - 1/2 Max cd



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	1840.6	0.0	1840.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1881.7	0.0	1881.7
	% Fixture	50.6	0.0	50.6
Total	Lumens	3722.3	0.0	3722.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	1.0
10°-20°	124.9	3.4
20°-30°	245.1	6.6
30°-40°	417.6	11.2
40°-50°	670.6	18.0
50°-60°	911.2	24.5
60°-70°	871.6	23.4
70°-80°	414.4	11.1
80°-90°	30.0	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°	3722.3	100.0
0°-180°	3722.3	100.0

Coefficient of Utilization



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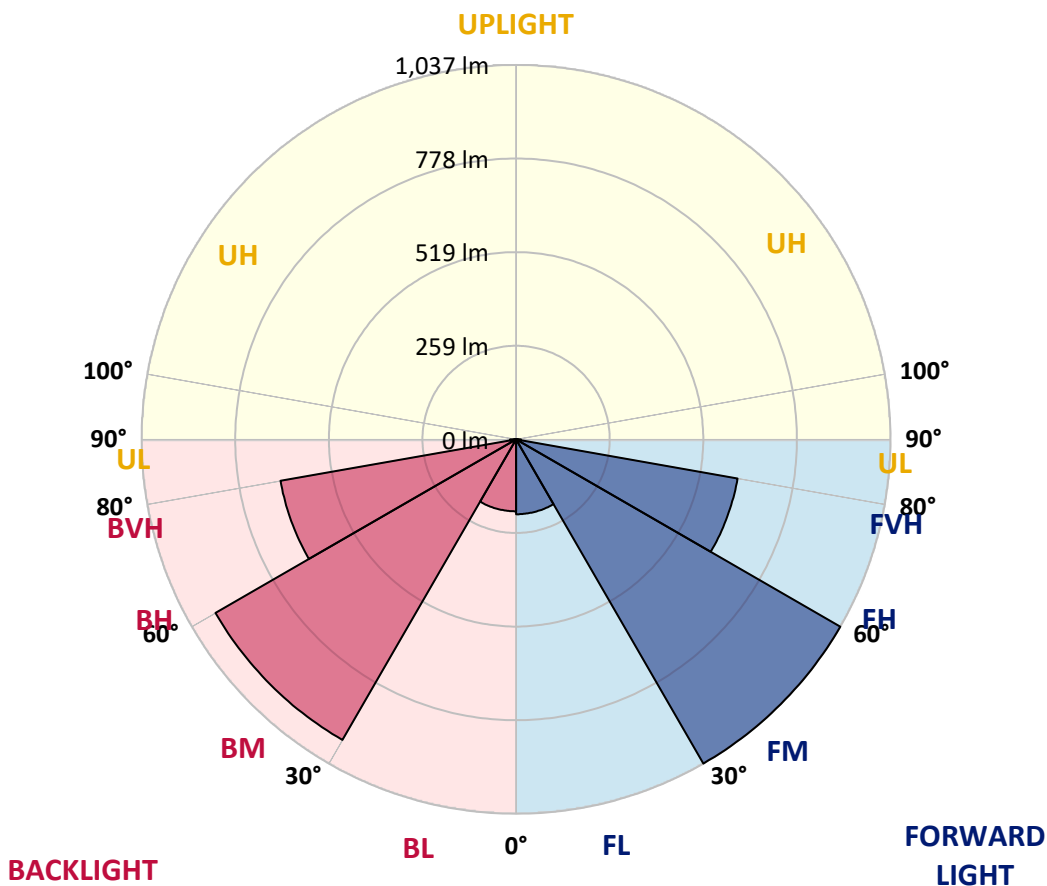
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.5	5.6			
FM (30°-60°)	1037.4	27.9			
FH (60°-80°)	623.2	16.7			G0/660
FVH (80°-90°)	13.5	0.4			G1/100
BL (0°-30°)	199.5	5.4	B1/500		
BM (30°-60°)	961.9	25.8	B1/1000		
BH (60°-80°)	662.7	17.8	B2/1000		G2/1000
BVH (80°-90°)	16.5	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°	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9
2.5°	369.1	369.6	370.4	372.0	373.5	375.9	378.2	377.9	379.0	379.8	380.5
5°	367.1	367.6	368.9	370.9	373.3	377.2	382.1	384.2	385.7	388.6	391.2
7.5°	371.5	372.5	374.3	377.2	380.8	385.7	392.5	396.1	398.4	403.6	408.0
10°	377.4	378.7	382.3	387.8	393.2	400.8	409.3	414.7	416.3	423.0	431.3
12.5°	383.1	384.7	390.6	400.5	410.3	420.5	430.6	437.3	437.8	446.9	456.2
15°	392.2	393.5	401.5	414.2	429.3	443.3	455.7	460.4	462.4	468.9	480.6
17.5°	412.2	413.7	424.1	437.8	453.6	468.4	480.9	484.7	484.7	490.2	499.8
20°	433.7	435.2	449.0	466.6	485.8	500.8	510.4	506.8	505.5	507.0	513.8
22.5°	457.8	460.6	473.9	494.3	517.9	536.3	541.2	530.4	526.7	523.1	524.7
25°	488.6	492.0	505.0	526.7	549.8	569.2	572.1	555.2	553.2	540.5	535.8
27.5°	524.1	526.7	542.8	564.3	585.8	602.2	605.3	584.5	577.5	559.9	549.0
30°	570.0	572.4	586.4	607.6	626.3	637.7	641.6	613.1	607.6	580.6	563.8
32.5°	620.1	621.1	635.3	655.8	672.4	683.3	677.9	644.7	636.6	606.3	583.2
35°	677.3	677.3	695.7	712.3	725.6	728.7	718.3	680.4	671.1	638.2	609.4
37.5°	733.6	735.1	752.3	772.0	783.6	783.1	764.2	722.7	712.1	676.3	644.4
40°	794.5	797.9	815.0	837.0	848.2	846.6	817.6	771.4	760.5	718.3	687.2
42.5°	850.5	855.9	875.9	898.5	910.6	909.6	879.3	827.4	816.8	769.1	738.0
45°	895.1	900.8	925.7	957.0	976.5	974.7	944.1	885.5	872.5	822.5	788.3
47.5°	934.2	940.2	967.9	1001.1	1031.9	1035.1	1007.1	944.1	930.3	879.8	841.2
50°	964.3	967.1	998.3	1034.5	1070.3	1087.7	1063.3	1002.9	986.3	936.3	892.7
52.5°	962.0	965.8	1004.2	1053.5	1101.4	1129.9	1113.1	1058.4	1042.3	987.9	945.4
55°	914.5	918.4	964.0	1035.8	1118.8	1160.8	1159.0	1111.3	1099.6	1040.5	1000.1
57.5°	845.3	853.9	899.2	976.7	1096.0	1185.4	1192.7	1159.5	1147.3	1092.1	1054.2
60°	721.4	732.8	785.2	885.7	1022.9	1177.1	1228.7	1200.2	1192.7	1140.0	1103.2
62.5°	524.1	532.4	602.2	734.1	914.5	1118.0	1259.0	1242.2	1236.5	1183.1	1147.6
65°	313.9	332.8	388.8	519.2	737.7	1006.5	1242.4	1297.1	1291.2	1227.4	1185.4
67.5°	158.9	167.5	189.5	281.5	496.1	832.9	1159.2	1331.3	1338.6	1265.2	1198.9
70°	98.5	100.8	107.1	138.9	247.8	547.2	948.0	1242.2	1277.7	1259.3	1163.9
72.5°	79.1	79.6	80.6	86.6	119.0	255.8	599.3	972.8	1036.9	1176.1	1113.9
75°	65.6	65.8	66.1	67.9	74.1	104.5	291.6	668.5	743.4	999.5	1032.7
77.5°	52.6	51.3	52.4	53.1	54.7	58.3	100.6	356.7	432.6	656.1	798.7
80°	34.2	33.7	35.8	36.5	38.1	40.4	53.7	121.1	147.0	238.7	254.0
82.5°	18.4	17.4	21.8	21.0	21.8	23.6	31.6	44.3	49.8	72.1	60.9
85°	5.7	5.7	6.0	7.0	8.6	8.3	13.7	21.8	24.1	30.8	22.8
87.5°	1.0	1.0	1.0	1.0	1.0	1.3	2.9	4.4	6.0	10.6	8.0
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°	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9	376.9
2.5°	382.1	379.8	381.1	381.8	381.6	381.1	378.5	377.9	376.6	374.6	374.1
5°	393.5	390.9	391.2	390.4	387.8	384.4	378.7	375.9	373.5	370.9	370.7
7.5°	411.4	408.5	407.8	404.1	396.9	389.1	380.0	374.8	370.9	367.6	367.1
10°	434.2	431.3	428.7	420.2	408.3	397.9	386.0	378.5	372.8	368.6	367.8
12.5°	459.6	457.3	450.8	438.3	424.1	411.9	399.7	390.4	382.1	375.9	375.1
15°	487.8	482.7	472.8	456.7	443.3	433.4	418.6	405.9	392.7	384.4	382.6
17.5°	507.5	503.1	491.5	475.9	465.3	456.7	439.4	421.2	403.3	391.2	388.6
20°	521.5	516.9	503.7	492.3	488.9	481.6	461.4	440.4	419.7	404.6	401.3
22.5°	531.7	526.7	513.3	507.5	512.2	510.9	491.2	467.4	442.7	424.9	420.7
25°	541.2	536.6	524.7	526.7	539.2	543.1	521.8	494.1	466.1	445.1	440.2
27.5°	550.3	544.4	538.9	550.3	567.9	575.2	552.7	521.3	491.0	469.4	465.6
30°	564.3	557.3	556.5	573.1	601.1	607.3	582.5	551.1	521.0	499.3	494.3
32.5°	581.9	575.5	576.0	600.9	633.3	638.5	617.2	587.9	557.8	536.1	529.3
35°	605.8	597.8	602.2	632.8	665.4	675.0	657.9	633.5	604.2	581.9	574.4
37.5°	638.7	627.0	636.1	668.3	701.2	715.4	702.2	684.1	655.0	632.5	625.5
40°	680.7	671.1	674.7	710.3	744.2	761.3	753.0	735.1	706.4	682.8	674.7
42.5°	730.5	720.9	719.6	757.4	791.4	817.3	809.3	792.9	763.1	736.2	728.4
45°	779.2	770.4	772.2	810.8	848.9	877.2	869.2	850.0	817.6	786.5	780.2
47.5°	830.0	822.8	824.3	865.3	907.3	935.5	925.4	902.1	864.2	831.1	823.5
50°	882.1	873.8	876.2	919.2	964.6	991.3	975.7	941.2	899.5	867.1	860.6
52.5°	934.0	924.1	930.1	970.8	1017.7	1038.9	1010.2	968.4	928.0	895.9	888.6
55°	993.6	983.2	976.7	1020.3	1066.7	1075.5	1036.1	987.4	939.4	902.9	898.5
57.5°	1048.0	1039.2	1027.0	1070.6	1104.8	1098.3	1056.1	982.2	911.7	864.8	858.5
60°	1096.8	1089.2	1078.6	1115.7	1131.2	1116.7	1040.0	920.7	843.2	794.2	791.4
62.5°	1141.6	1133.6	1123.7	1155.3	1153.3	1119.6	966.9	826.4	722.7	670.1	665.4
65°	1177.1	1169.9	1167.0	1191.9	1188.5	1063.8	853.1	671.9	528.0	468.7	466.9
67.5°	1187.2	1184.4	1199.7	1241.9	1189.3	951.9	669.0	445.6	283.6	227.3	224.0
70°	1149.4	1149.1	1192.9	1253.3	1081.5	727.1	394.8	200.9	142.6	126.5	124.4
72.5°	1100.1	1099.3	1134.1	1081.2	802.0	397.9	166.2	107.6	89.2	84.8	84.8
75°	1019.2	1017.2	1043.4	822.5	451.0	149.8	88.1	73.9	70.0	69.2	69.2
77.5°	830.8	813.4	772.2	508.3	157.3	73.6	58.3	58.1	55.7	55.5	55.5
80°	273.2	273.2	317.5	193.9	69.5	45.4	41.2	43.3	41.0	39.4	39.1
82.5°	44.6	61.4	87.4	55.5	37.6	28.3	25.4	27.0	28.3	22.6	22.6
85°	17.6	23.1	33.7	25.9	17.4	11.4	12.2	13.5	11.9	10.4	10.1
87.5°	6.7	8.3	11.9	6.2	3.6	2.1	1.3	1.3	1.0	1.0	1.0
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)