

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: P629393

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

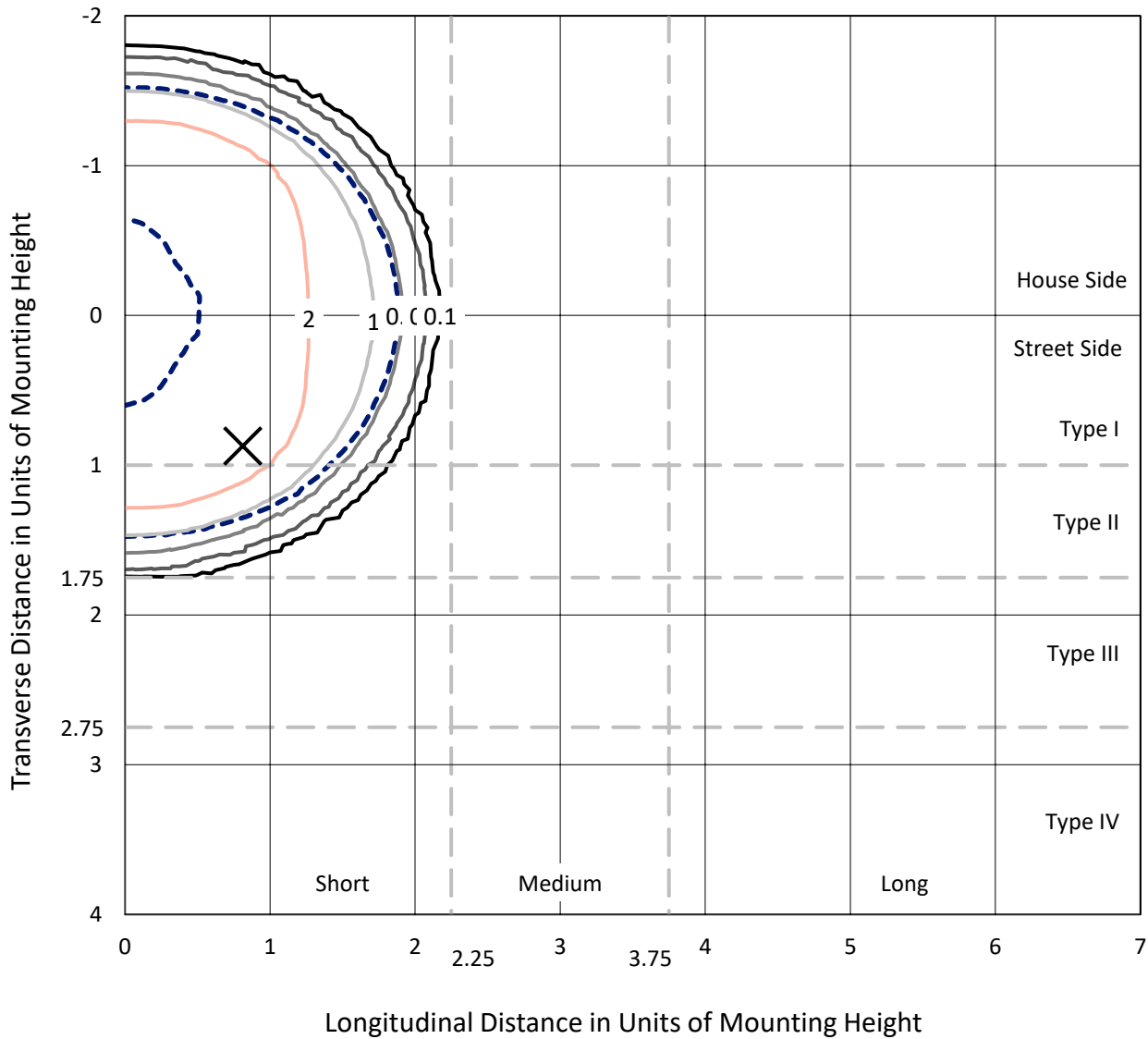
Lumens per Lamp: N/A  
Luminaire Lumens: 2376.1 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

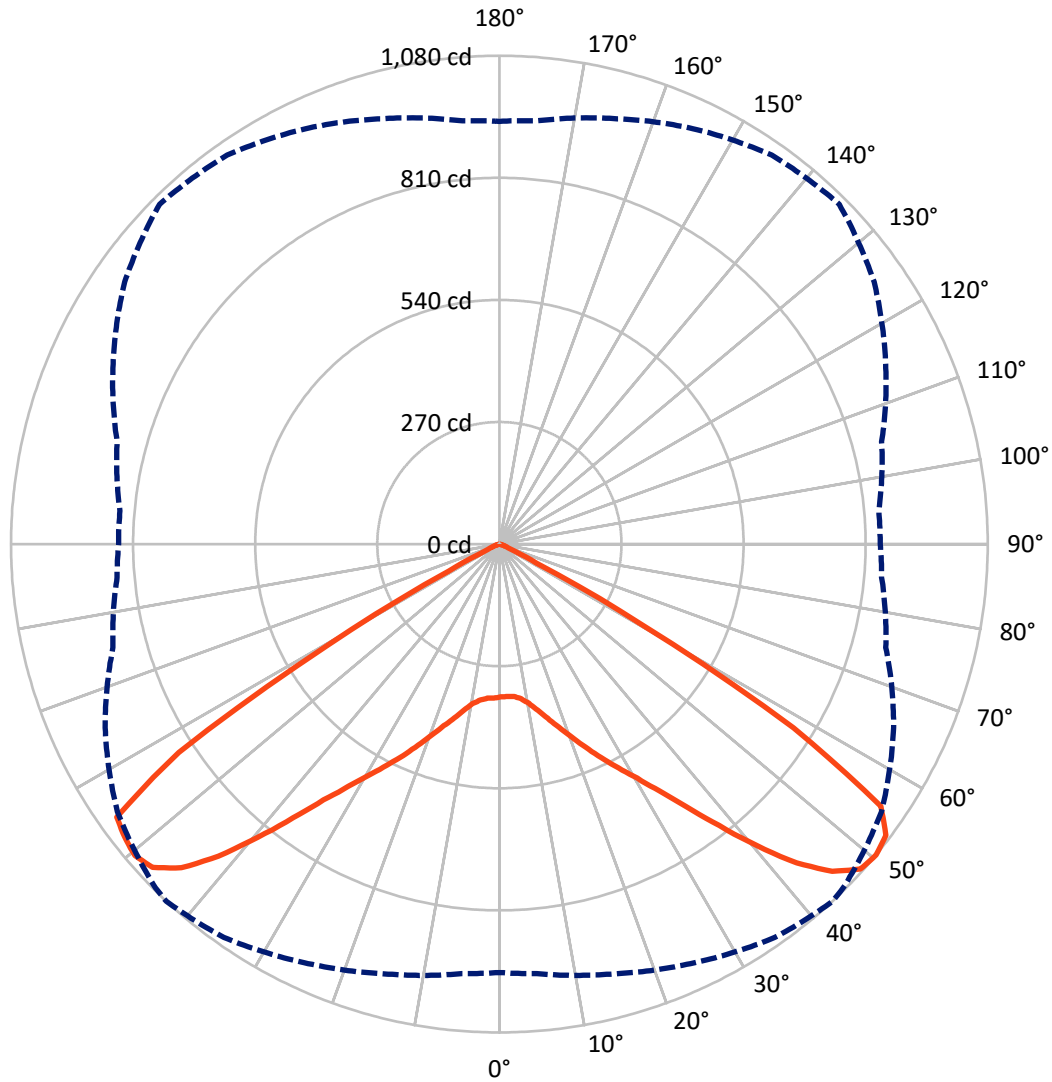
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1188.0	0.0	1188.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1188.1	0.0	1188.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2376.1	0.0	2376.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.3	1.4
10°-20°	114.5	4.8
20°-30°	231.7	9.8
30°-40°	429.9	18.1
40°-50°	713.6	30.0
50°-60°	728.3	30.7
60°-70°	119.4	5.0
70°-80°	5.2	0.2
80°-90°	0.1	0.0
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°	2376.1	100.0
0°-180°	2376.1	100.0

**Coefficient of Utilization**



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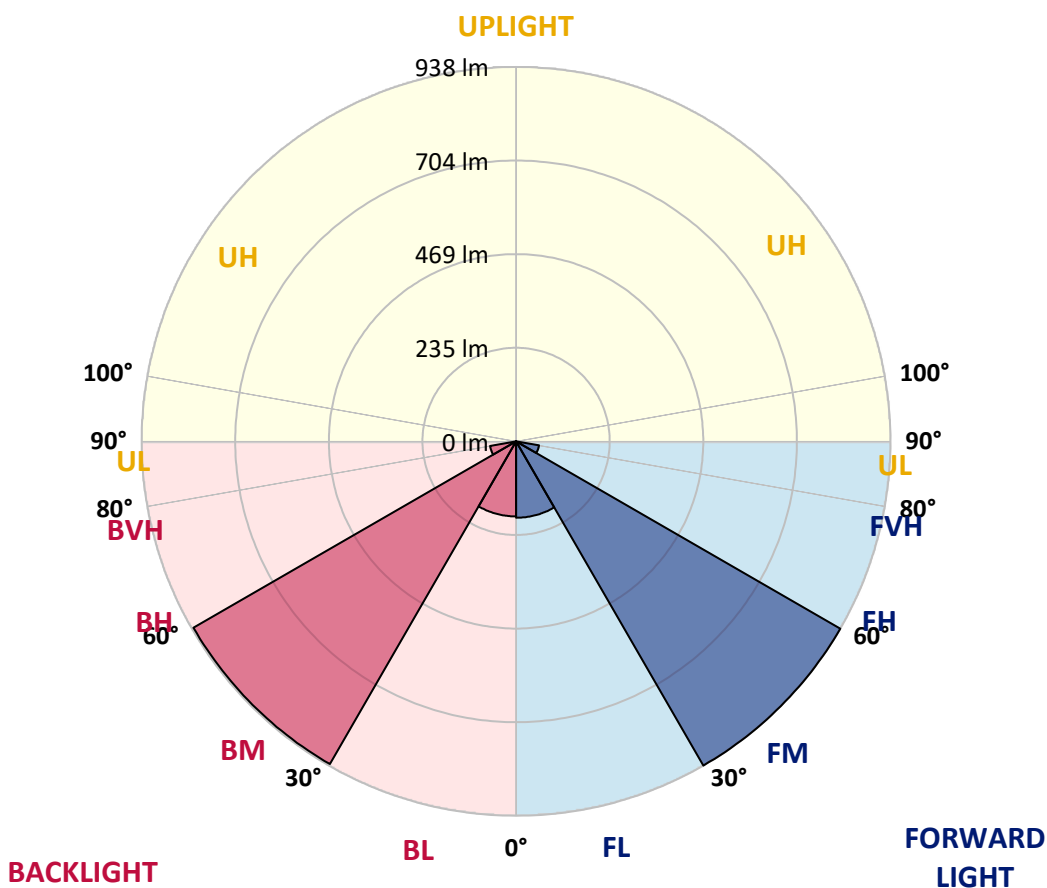
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.4	8.1			
FM (30°-60°)	938.2	39.5			
FH (60°-80°)	58.4	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	188.1	7.9	B1/500		
BM (30°-60°)	933.6	39.3	B1/1000		
BH (60°-80°)	66.2	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0
2.5°	331.7	332.4	333.5	334.5	335.9	337.2	338.0	340.3	339.8	341.9	341.9
5°	328.0	328.8	330.1	332.4	335.3	338.2	340.3	345.1	347.7	351.9	353.5
7.5°	329.8	330.9	332.4	336.1	340.6	345.1	347.4	355.0	360.3	368.2	372.7
10°	335.9	336.9	339.5	345.8	351.6	357.9	360.8	370.6	379.0	389.7	396.0
12.5°	342.7	344.0	349.3	358.7	368.7	377.1	381.1	391.8	400.5	412.6	422.6
15°	349.8	351.9	360.0	374.0	388.2	399.5	403.7	415.2	423.9	436.8	448.1
17.5°	366.3	368.7	377.9	392.9	412.3	425.5	429.2	441.2	447.8	456.5	468.3
20°	387.1	391.6	402.9	421.0	442.3	454.9	457.5	469.4	468.8	472.5	482.8
22.5°	412.9	416.0	428.4	449.9	473.8	487.8	493.8	498.8	492.2	489.1	495.6
25°	439.7	443.3	456.7	480.4	507.2	523.2	528.2	532.2	521.7	509.8	510.6
27.5°	474.4	477.0	490.1	515.4	542.2	560.3	564.8	571.6	557.7	538.7	533.5
30°	515.6	518.2	532.2	558.7	585.3	600.8	607.6	616.0	600.8	577.1	571.1
32.5°	564.0	566.6	584.5	611.8	633.6	650.4	657.0	665.9	653.8	627.3	620.5
35°	621.8	623.4	644.4	674.1	697.2	713.5	718.0	728.5	715.1	688.5	684.9
37.5°	688.8	690.6	713.5	747.9	771.6	789.7	796.8	799.7	783.4	753.7	750.8
40°	762.4	768.4	790.8	827.8	854.4	877.2	883.5	873.8	851.0	810.5	805.2
42.5°	839.1	844.4	869.3	909.6	940.3	963.7	964.0	942.9	904.0	848.1	840.2
45°	903.0	905.1	937.4	977.9	1015.7	1032.3	1033.9	995.8	937.1	869.9	853.1
47.5°	946.9	950.3	978.4	1017.3	1059.1	1074.1	1070.9	1023.3	952.9	884.1	856.2
50°	947.4	953.2	983.7	1021.2	1061.7	1079.9	1075.4	1031.2	961.9	884.6	848.6
52.5°	863.6	873.0	922.7	977.1	1039.1	1070.1	1071.2	1041.5	958.4	876.2	841.8
55°	651.5	661.7	724.3	817.0	936.9	1023.3	1038.3	1029.4	954.5	879.9	853.8
57.5°	344.8	336.9	371.6	463.6	614.2	767.1	811.0	882.5	910.6	884.3	876.2
60°	75.2	80.2	106.7	143.8	239.7	360.8	403.7	526.1	671.7	736.4	783.1
62.5°	32.3	31.8	33.1	37.6	54.9	91.5	111.7	182.4	287.8	395.3	468.0
65°	26.5	26.8	27.9	27.9	26.0	26.3	27.6	41.8	67.3	94.3	126.7
67.5°	20.0	20.2	22.1	22.6	21.3	18.9	18.7	15.8	16.6	20.8	21.5
70°	12.6	12.6	13.7	14.2	14.2	13.1	12.9	11.3	11.0	12.6	14.2
72.5°	6.8	6.8	7.4	7.6	7.4	7.1	7.1	6.8	6.6	7.6	9.7
75°	2.9	2.9	3.2	3.2	2.9	2.9	2.9	2.9	2.9	3.4	5.3
77.5°	0.5	0.8	1.1	0.8	0.5	0.5	0.5	0.8	0.8	1.1	1.6
80°	0.3	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0
2.5°	343.7	340.9	341.9	342.4	341.6	341.1	338.2	337.4	336.1	334.0	333.5
5°	355.3	352.9	352.7	351.1	347.4	343.0	337.4	335.1	332.4	329.8	329.3
7.5°	374.8	371.9	370.0	364.8	356.4	349.3	340.1	335.1	331.7	328.2	327.5
10°	399.7	396.3	391.0	381.3	370.0	359.8	349.0	342.4	337.2	332.4	332.2
12.5°	426.3	422.6	413.1	400.8	387.1	377.6	364.0	354.8	346.9	339.8	339.0
15°	454.1	449.7	436.8	422.1	409.4	399.7	384.7	370.0	357.9	347.7	346.6
17.5°	475.4	469.9	454.6	443.6	433.4	423.4	406.6	387.1	371.1	358.7	355.8
20°	488.8	483.6	469.1	463.1	458.3	451.2	431.3	411.0	393.2	377.9	375.3
22.5°	501.7	495.4	482.8	482.8	486.4	483.6	462.0	438.9	417.9	400.2	396.3
25°	516.1	511.1	502.2	509.6	518.8	518.5	496.4	467.5	443.3	423.6	419.7
27.5°	537.2	532.2	529.0	542.9	554.5	553.7	529.5	498.3	472.8	453.3	449.7
30°	574.2	569.5	566.1	582.9	597.6	592.1	565.5	535.3	509.6	487.5	484.9
32.5°	623.6	618.6	614.2	631.0	644.1	637.0	611.8	583.4	553.7	532.2	526.9
35°	688.5	678.0	673.6	693.5	699.1	691.2	667.0	642.0	610.5	585.8	582.4
37.5°	755.6	743.2	740.0	757.4	766.3	763.4	735.1	709.0	674.9	647.5	643.6
40°	812.8	801.5	796.0	823.1	843.3	845.2	819.7	787.9	747.7	719.3	712.2
42.5°	846.5	836.8	835.4	877.5	910.6	934.3	903.8	870.9	828.6	796.6	790.8
45°	854.1	847.8	858.8	914.0	965.5	1008.6	982.6	947.9	902.2	868.3	862.8
47.5°	853.3	851.2	870.9	932.9	998.1	1051.2	1038.3	999.2	955.0	919.5	914.3
50°	842.0	842.3	875.1	942.4	1011.3	1062.8	1049.9	1013.6	974.2	939.3	935.0
52.5°	837.5	836.0	867.2	939.5	1024.7	1057.5	1028.6	987.9	944.0	900.9	894.6
55°	853.3	849.4	868.3	937.1	1026.2	1054.6	978.4	890.1	800.2	749.2	745.0
57.5°	877.0	872.8	881.7	919.8	944.0	877.0	720.1	577.6	485.1	446.0	428.9
60°	783.1	780.3	773.4	727.4	623.9	470.7	320.6	204.5	146.9	118.8	118.8
62.5°	485.9	482.0	444.9	330.6	240.2	139.0	76.5	47.8	36.3	33.9	33.6
65°	136.4	135.6	112.2	79.4	50.5	31.3	27.6	28.1	27.6	26.8	26.5
67.5°	20.5	22.6	22.6	18.4	17.6	19.7	23.1	24.7	23.4	22.1	21.5
70°	13.1	14.2	13.7	11.8	12.6	14.7	16.6	16.8	16.0	14.7	14.5
72.5°	9.2	10.2	8.4	7.6	7.9	8.7	9.5	9.5	9.2	8.7	8.1
75°	5.5	5.5	3.9	3.7	3.7	3.9	3.9	4.5	4.5	4.2	3.9
77.5°	1.8	2.1	1.3	1.1	1.1	1.1	1.3	1.6	1.6	1.3	1.1
80°	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)