

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: P628903

Luminaire Tested: GWS-SA1A-750-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628903  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

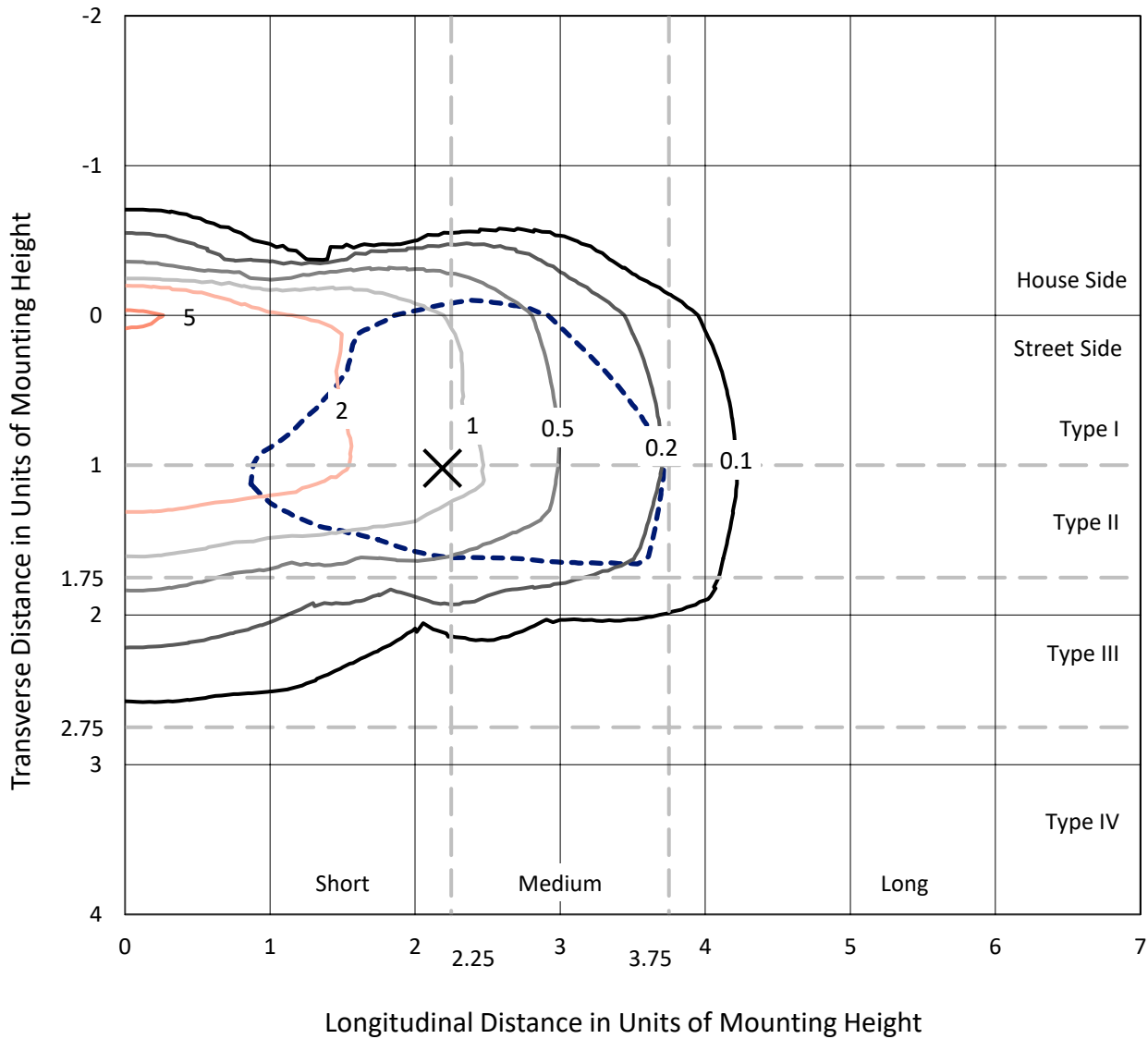
Lumens per Lamp: N/A  
Luminaire Lumens: 2306 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

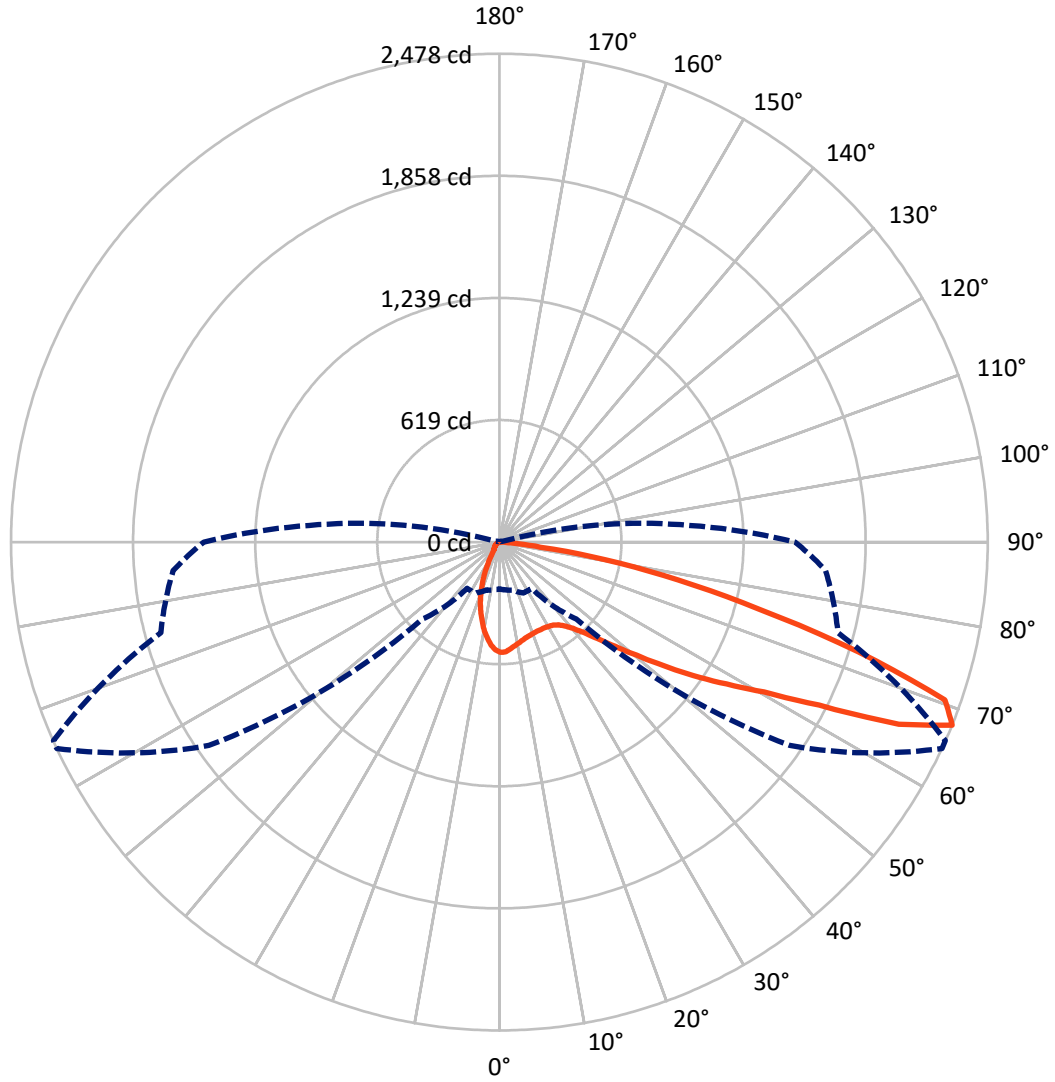
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	288.0	0.0	288.0
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	2018.1	0.0	2018.1
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	2306.0	0.0	2306.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	2.0
10°-20°	104.4	4.5
20°-30°	149.2	6.5
30°-40°	217.1	9.4
40°-50°	340.0	14.7
50°-60°	530.4	23.0
60°-70°	582.6	25.3
70°-80°	310.1	13.4
80°-90°	25.8	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°	2306.0	100.0
0°-180°	2306.0	100.0

**Coefficient of Utilization**

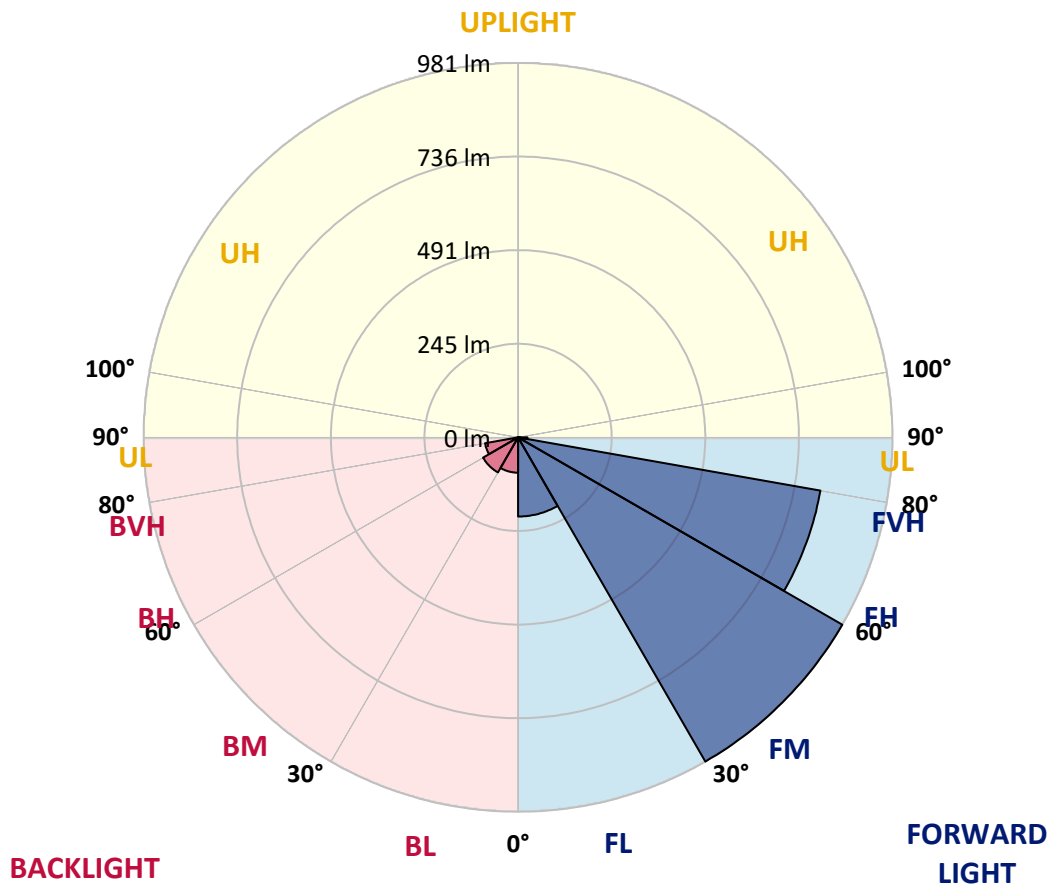


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.5	9.0			
FM (30°-60°)	981.4	42.6			
FH (60°-80°)	804.7	34.9			G1/1800
FVH (80°-90°)	24.4	1.1			G1/100
BL (0°-30°)	92.6	4.0	B0/110		
BM (30°-60°)	106.1	4.6	B0/220		
BH (60°-80°)	88.0	3.8	B0/110		G0/110
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3
2.5°	539.9	541.6	539.3	544.9	545.9	552.2	555.7	558.2	558.0	561.2	561.2
5°	508.2	509.9	508.6	514.7	519.4	529.2	537.4	546.8	547.2	556.8	560.3
7.5°	481.3	481.5	481.5	489.0	495.3	507.4	519.4	533.8	535.5	550.3	559.7
10°	459.2	459.8	460.0	468.6	475.4	490.0	505.5	522.8	524.7	544.7	559.3
12.5°	444.0	444.2	445.0	454.0	461.5	476.7	492.3	512.1	514.7	538.2	557.4
15°	436.7	436.2	436.7	444.2	451.7	466.3	482.3	503.6	506.3	532.8	557.6
17.5°	436.2	435.6	435.2	440.8	445.6	458.6	474.8	498.0	500.9	530.3	559.9
20°	442.3	441.9	439.8	442.3	443.3	454.0	470.0	493.6	496.5	529.9	564.9
22.5°	458.1	457.1	454.0	451.7	446.0	452.3	466.7	490.5	493.8	530.9	571.4
25°	481.7	481.3	477.3	471.7	457.3	454.8	466.9	490.5	493.6	532.2	578.3
27.5°	517.2	514.7	509.6	499.8	479.2	464.6	471.1	491.7	494.8	533.8	583.9
30°	553.2	553.0	551.4	541.3	510.7	483.4	479.8	495.1	498.0	535.3	589.1
32.5°	590.6	591.2	595.4	587.6	554.1	511.3	495.7	501.9	504.0	538.2	593.7
35°	626.0	627.3	638.3	641.0	606.8	553.6	521.5	515.7	515.9	544.7	599.7
37.5°	660.0	664.2	681.9	695.0	672.5	604.9	558.9	539.1	537.4	557.6	608.9
40°	698.6	706.5	728.8	751.1	744.0	672.7	609.7	574.9	571.4	581.4	625.4
42.5°	741.3	749.9	779.5	810.8	814.1	754.7	673.3	627.3	621.2	621.4	656.2
45°	787.2	798.7	833.1	878.1	898.3	846.0	751.8	698.0	691.9	682.9	705.9
47.5°	847.5	857.5	890.6	942.6	981.3	944.0	854.6	788.9	777.8	764.7	783.0
50°	899.4	908.1	936.7	1001.8	1082.5	1070.4	971.1	902.5	891.9	869.6	884.8
52.5°	910.9	917.7	944.0	1017.2	1159.8	1229.9	1114.0	1039.9	1032.4	991.1	997.0
55°	859.4	869.8	893.3	974.7	1180.1	1385.9	1299.4	1194.9	1179.2	1113.3	1123.8
57.5°	729.2	747.8	769.9	875.6	1125.2	1468.9	1558.3	1359.0	1344.8	1231.0	1231.2
60°	534.5	549.5	564.3	661.0	995.1	1463.3	1793.4	1543.3	1517.5	1327.1	1323.5
62.5°	388.7	396.4	396.2	430.6	683.4	1366.9	1916.8	1821.1	1760.8	1429.9	1409.7
65°	305.7	305.5	314.5	325.7	381.6	1055.2	1932.0	2226.7	2161.6	1567.7	1525.6
67.5°	237.9	242.5	251.5	284.6	286.7	552.2	1798.2	2477.5	2476.3	1778.1	1661.4
70°	183.5	189.8	202.5	250.9	264.8	309.0	1345.4	2398.1	2418.3	1872.2	1565.2
72.5°	117.8	117.4	136.2	202.7	254.4	257.5	744.0	1904.9	1927.9	1695.8	1265.6
75°	65.9	66.3	76.9	124.1	237.1	242.3	368.5	1358.4	1376.5	1322.1	972.4
77.5°	25.9	26.7	36.1	65.3	156.4	216.5	219.0	926.3	929.0	819.3	596.4
80°	10.4	11.1	18.4	40.5	95.3	145.8	156.4	545.7	534.7	317.2	173.5
82.5°	3.1	3.3	7.3	22.9	49.8	103.6	105.5	209.4	197.7	68.2	44.2
85°	0.2	0.2	1.7	7.1	17.7	26.1	70.3	68.2	60.5	17.1	19.6
87.5°	0.0	0.0	0.2	0.2	0.4	0.8	7.5	12.5	12.7	3.1	8.8
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°	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3
2.5°	561.2	553.6	553.0	547.2	541.3	534.0	525.5	519.2	514.9	507.1	505.7
5°	560.3	550.3	540.9	524.2	505.7	485.7	468.2	451.9	441.7	434.8	431.9
7.5°	558.7	545.9	524.2	492.8	461.7	426.7	399.3	374.3	357.2	347.2	342.8
10°	557.4	540.3	505.1	457.3	409.1	360.8	319.3	282.1	261.5	245.2	242.5
12.5°	554.9	532.2	480.5	415.8	353.7	289.4	236.5	191.0	159.5	145.3	140.3
15°	552.4	523.6	455.8	372.0	293.2	214.0	149.7	105.9	84.2	77.6	77.2
17.5°	552.0	515.9	429.2	330.5	229.8	140.1	85.3	68.6	64.0	62.4	62.4
20°	553.2	509.4	402.9	282.8	167.4	85.3	63.6	59.4	56.7	55.3	55.3
22.5°	554.5	502.8	377.6	234.6	111.1	62.4	56.1	52.5	49.4	47.8	46.9
25°	555.3	495.5	349.7	186.2	72.6	54.2	49.2	44.6	40.9	38.8	38.8
27.5°	555.1	486.7	321.6	138.9	56.3	48.2	42.1	37.3	33.6	31.3	31.5
30°	553.4	477.1	292.4	97.0	49.2	42.1	36.1	31.1	27.3	25.4	25.2
32.5°	552.2	466.9	258.6	68.2	44.2	36.9	30.7	25.9	22.7	21.3	21.1
35°	550.7	456.9	226.5	51.9	39.8	31.9	25.9	21.9	19.4	18.1	18.1
37.5°	551.1	446.5	191.6	44.6	35.5	27.7	22.1	18.8	16.7	15.4	15.2
40°	557.6	440.2	157.4	40.5	31.5	24.0	19.2	16.3	14.2	12.9	12.7
42.5°	573.7	440.4	124.7	37.3	27.9	20.4	16.7	14.0	12.1	10.6	10.4
45°	605.8	449.2	95.7	34.0	24.2	17.7	14.4	11.9	10.0	8.8	8.5
47.5°	658.3	475.2	72.6	31.1	21.1	15.4	12.3	10.0	8.3	7.3	7.1
50°	741.9	522.4	57.1	27.5	17.7	13.3	10.4	8.3	6.9	5.8	5.6
52.5°	842.5	593.1	49.0	24.4	15.2	11.7	9.0	6.9	5.6	4.8	4.6
55°	958.0	677.5	45.3	21.3	12.9	10.0	7.3	5.6	4.6	4.0	3.5
57.5°	1063.9	753.6	45.0	18.1	11.1	8.5	6.0	4.8	4.0	3.1	2.9
60°	1167.1	817.2	42.3	15.0	9.6	7.1	5.2	4.0	3.3	2.7	2.5
62.5°	1260.8	868.9	35.5	12.1	8.1	5.8	4.4	3.5	2.9	2.3	2.3
65°	1378.4	934.8	27.1	9.8	6.7	4.8	3.8	3.1	2.7	2.1	2.1
67.5°	1500.0	969.7	19.4	8.1	5.4	4.2	3.3	2.9	2.3	1.9	1.9
70°	1358.6	819.3	14.0	6.7	4.6	3.5	2.9	2.7	2.3	1.9	1.7
72.5°	1061.0	590.8	10.4	5.2	4.0	3.3	2.7	2.5	2.1	1.7	1.7
75°	786.8	344.5	7.9	4.2	3.1	2.7	2.7	2.5	2.1	1.7	1.5
77.5°	427.7	120.1	6.0	3.3	2.5	2.1	2.3	2.3	1.9	1.5	1.3
80°	113.2	32.9	4.2	2.5	2.1	1.7	1.7	2.1	1.7	1.3	1.3
82.5°	32.9	9.6	2.9	2.1	1.7	1.5	1.5	1.5	1.3	1.0	0.8
85°	16.1	3.5	2.1	1.7	1.5	1.3	1.0	1.0	0.8	0.6	0.6
87.5°	7.1	1.5	1.7	1.5	1.5	1.0	0.8	0.6	0.6	0.4	0.2
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)