

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: P628928

Luminaire Tested: GWS-SA1A-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

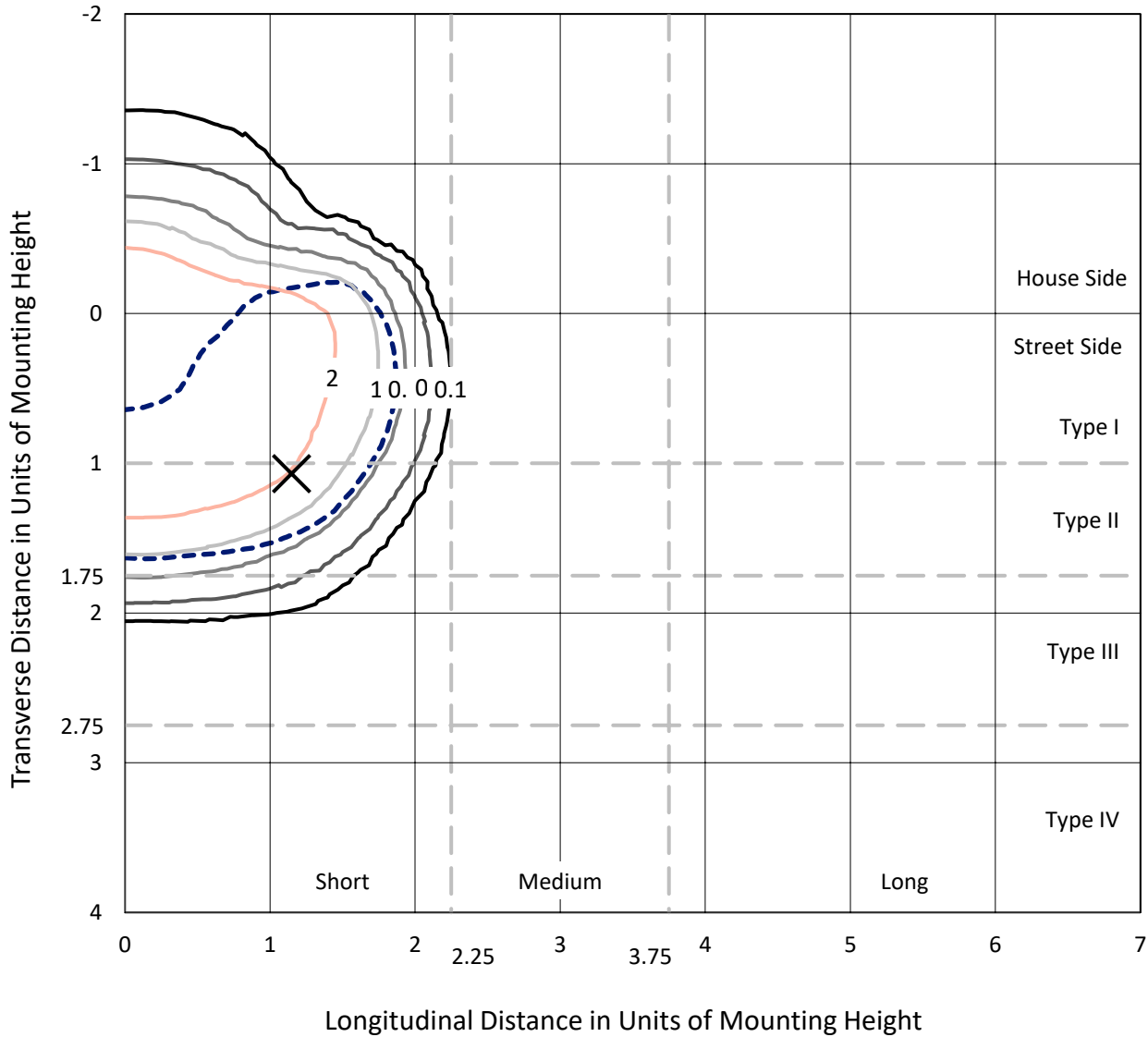
Lumens per Lamp: N/A  
Luminaire Lumens: 1796.3 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

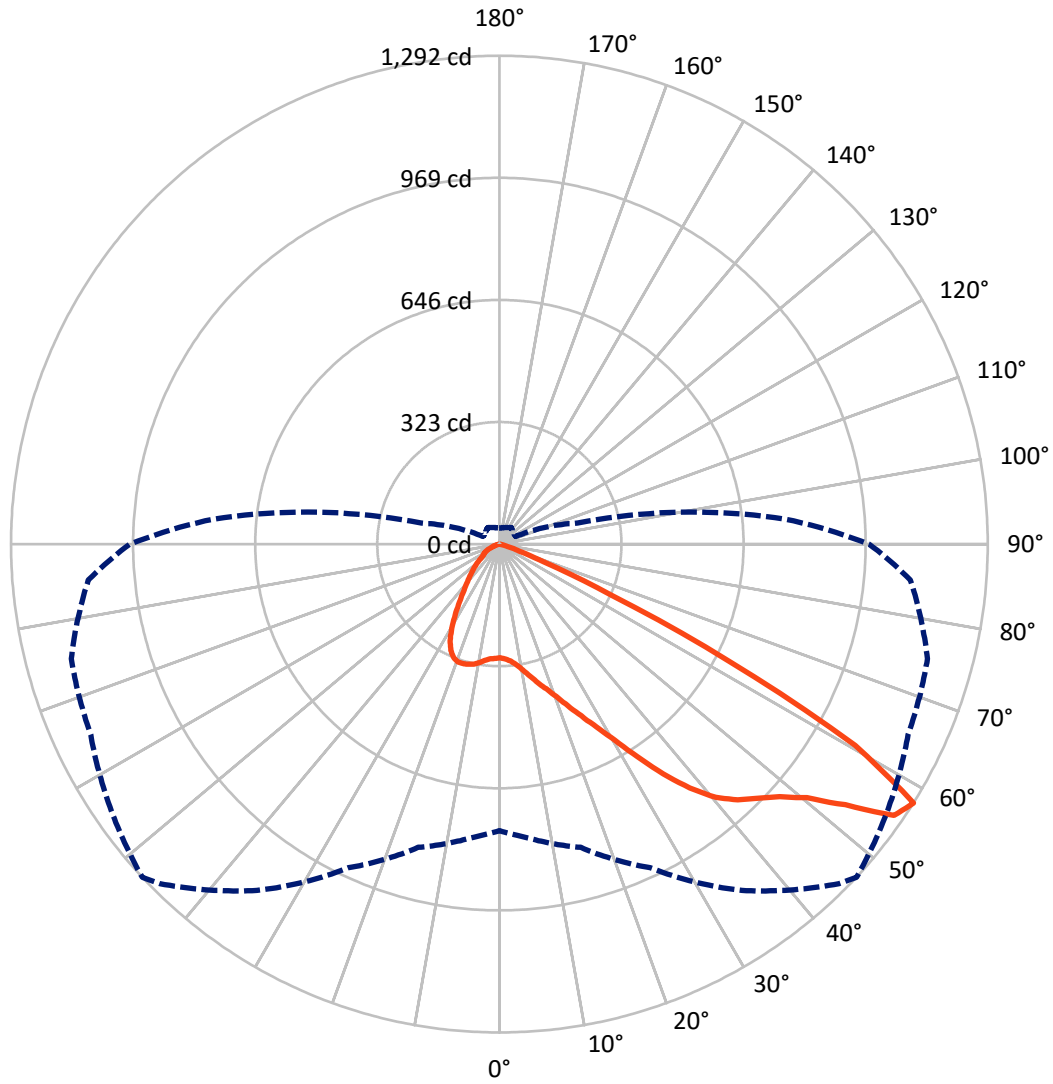
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	389.7	0.0	389.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1406.6	0.0	1406.6
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	1796.3	0.0	1796.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	1.7
10°-20°	100.9	5.6
20°-30°	187.4	10.4
30°-40°	300.0	16.7
40°-50°	438.6	24.4
50°-60°	541.3	30.1
60°-70°	180.9	10.1
70°-80°	16.9	0.9
80°-90°	0.3	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°	1796.3	100.0
0°-180°	1796.3	100.0

**Coefficient of Utilization**



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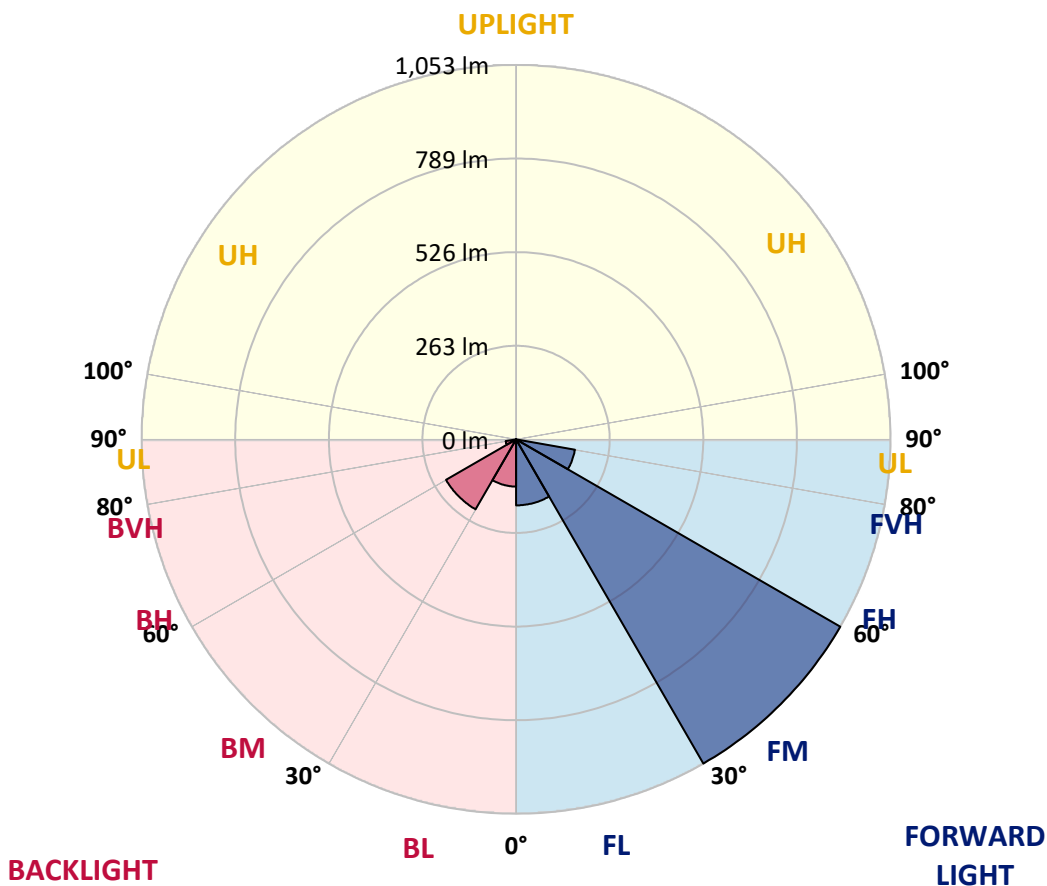
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.6	10.3			
FM (30°-60°)	1052.6	58.6			
FH (60°-80°)	168.1	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	132.7	7.4	B1/500		
BM (30°-60°)	227.3	12.7	B1/1000		
BH (60°-80°)	29.6	1.6	B0/110		G0/110
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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7
2.5°	303.8	303.6	303.4	304.7	304.2	304.0	304.5	304.5	304.5	303.2	300.7
5°	311.1	311.1	310.9	312.2	311.1	310.5	310.7	310.7	309.9	307.6	304.5
7.5°	322.6	322.2	321.8	323.0	322.0	321.8	322.2	320.9	319.5	315.7	311.3
10°	339.1	339.1	338.4	339.7	338.9	338.4	338.4	337.6	334.9	329.1	322.6
12.5°	361.8	360.8	359.3	358.3	357.8	357.6	357.8	356.6	353.7	346.2	337.2
15°	386.6	385.8	383.5	381.8	379.5	379.1	380.4	379.3	376.4	366.2	353.5
17.5°	417.9	418.9	413.1	409.6	402.9	402.5	402.9	404.6	402.5	389.3	370.8
20°	444.6	445.4	441.0	438.5	432.5	429.8	430.6	433.3	431.0	415.6	389.7
22.5°	473.2	474.2	469.6	464.4	461.7	461.7	464.8	468.6	465.4	445.2	411.4
25°	507.4	508.2	504.4	497.6	492.8	498.8	503.4	513.4	508.2	480.7	437.1
27.5°	546.6	546.8	541.3	534.3	531.8	543.0	547.6	563.0	560.9	520.5	464.2
30°	588.5	588.7	587.4	582.6	580.3	595.1	601.4	623.7	622.3	569.9	501.1
32.5°	632.1	632.1	634.4	633.9	636.6	660.8	670.8	696.3	694.8	630.4	547.0
35°	675.9	676.1	680.0	690.0	701.3	733.4	746.5	777.4	774.1	702.8	605.6
37.5°	725.7	723.6	729.0	744.0	769.1	806.2	818.7	848.1	844.3	776.8	682.1
40°	785.7	782.0	782.0	799.5	827.9	870.6	881.3	895.9	883.1	836.6	757.2
42.5°	852.1	848.5	843.9	859.4	883.1	916.5	925.3	921.3	910.9	893.1	842.7
45°	919.2	913.8	916.9	926.3	940.1	955.9	959.2	940.9	936.1	941.1	913.4
47.5°	970.3	966.5	974.3	987.4	998.7	1001.0	998.7	973.2	972.8	990.5	962.4
50°	987.4	987.8	1009.1	1037.9	1056.0	1057.9	1054.8	1025.6	1021.6	1026.8	988.9
52.5°	989.1	990.7	1021.8	1076.6	1126.1	1148.6	1146.1	1114.6	1075.8	1070.2	1028.9
55°	948.8	958.6	1002.0	1082.1	1187.2	1259.1	1267.5	1207.2	1149.6	1144.8	1115.0
57.5°	758.4	778.4	830.8	944.9	1119.0	1270.6	1292.3	1248.9	1193.2	1172.8	1091.9
60°	453.3	478.2	528.4	668.3	851.6	1044.3	1081.7	1087.7	1062.1	1003.0	837.7
62.5°	194.6	192.5	254.4	361.6	506.5	663.8	680.6	706.9	729.2	667.5	508.4
65°	66.7	72.6	100.9	163.1	253.6	308.2	323.2	346.8	378.5	312.4	186.2
67.5°	41.3	43.8	58.2	96.3	136.8	134.7	128.0	124.3	120.9	82.8	51.1
70°	30.0	32.1	40.9	66.3	92.0	64.6	56.1	45.5	50.5	46.5	36.3
72.5°	20.2	21.9	28.2	40.2	47.1	31.5	29.2	33.2	40.0	38.2	29.6
75°	12.1	13.1	16.1	19.6	19.2	16.3	16.5	23.4	30.7	28.6	21.1
77.5°	8.3	8.8	10.6	12.7	9.4	5.0	4.6	6.5	10.4	10.4	7.1
80°	2.1	2.7	2.7	1.7	1.5	1.3	1.3	1.9	2.9	2.1	1.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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°	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7
2.5°	302.2	299.7	301.3	300.9	302.2	302.6	300.7	300.3	300.5	298.0	297.2
5°	305.1	302.2	303.0	302.2	303.6	304.9	304.2	305.1	306.1	304.2	303.4
7.5°	311.3	308.4	308.2	307.0	309.0	309.9	309.7	312.0	314.0	312.8	311.5
10°	322.2	318.2	317.8	316.8	317.4	318.0	315.7	316.1	318.0	316.6	315.9
12.5°	335.5	330.7	329.7	327.2	327.2	324.1	319.1	318.0	319.5	318.4	317.4
15°	349.9	343.5	341.8	337.4	333.2	327.4	322.2	320.9	322.0	320.7	319.9
17.5°	366.0	358.7	353.3	345.5	336.4	329.5	323.6	320.9	319.3	316.8	316.6
20°	381.8	372.2	363.1	350.8	338.7	328.2	318.6	311.5	305.5	301.7	300.3
22.5°	400.2	386.0	371.2	353.9	336.6	320.7	303.8	291.7	281.3	277.8	276.1
25°	419.8	401.4	379.3	356.8	329.5	304.0	281.1	263.2	249.4	244.8	242.9
27.5°	441.5	416.2	387.7	356.2	314.9	280.3	249.8	227.5	214.0	209.8	211.2
30°	469.0	435.4	398.1	349.7	293.0	246.9	211.2	192.5	182.3	178.3	178.5
32.5°	505.7	462.9	413.3	335.9	264.8	208.9	177.7	163.9	157.0	151.8	151.4
35°	558.2	504.9	427.5	313.8	230.6	175.2	152.4	141.6	132.0	126.0	127.0
37.5°	621.2	557.6	435.2	284.0	192.3	148.9	133.5	122.4	111.6	102.6	103.6
40°	695.9	626.6	434.6	244.8	157.2	131.0	117.6	104.7	91.1	83.0	83.8
42.5°	779.1	691.9	421.0	203.3	130.3	116.4	102.4	86.1	73.0	68.0	68.2
45°	851.2	744.9	397.3	160.4	109.7	102.2	86.5	69.9	64.0	60.5	60.3
47.5°	904.6	783.7	363.3	126.2	93.0	89.3	71.1	62.6	58.0	55.1	54.6
50°	934.4	797.2	325.7	98.8	78.6	75.7	63.6	56.7	53.6	51.7	51.3
52.5°	974.5	813.5	298.8	78.0	65.9	61.9	58.6	52.8	50.7	49.2	48.6
55°	1037.9	845.0	275.5	61.9	54.8	54.0	55.3	50.5	49.2	46.9	46.1
57.5°	978.2	759.1	214.0	48.0	46.3	49.4	53.4	48.2	45.0	43.0	42.1
60°	688.4	504.6	107.6	38.6	41.3	46.3	50.3	43.6	40.5	40.9	40.5
62.5°	379.5	252.5	48.4	32.3	35.9	40.9	43.0	37.7	35.7	39.2	39.8
65°	124.1	85.9	27.9	25.0	28.4	33.4	37.1	35.9	35.5	39.6	40.9
67.5°	38.2	28.4	19.0	17.9	19.6	24.6	31.3	38.8	41.7	43.0	43.6
70°	28.6	22.3	16.3	15.2	16.1	18.8	26.5	32.3	30.4	30.7	30.2
72.5°	22.9	17.7	14.0	13.3	13.3	12.9	14.0	17.5	19.8	20.9	20.9
75°	16.1	12.5	10.6	9.8	7.7	6.3	5.6	5.6	5.0	4.8	4.6
77.5°	5.4	4.6	4.2	3.3	2.3	1.9	1.7	1.5	1.0	0.6	0.4
80°	0.8	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	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)