

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: P628622

Luminaire Tested: GWS-SA1A-722-U-AFL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-722-U-AFL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2133.1 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - 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

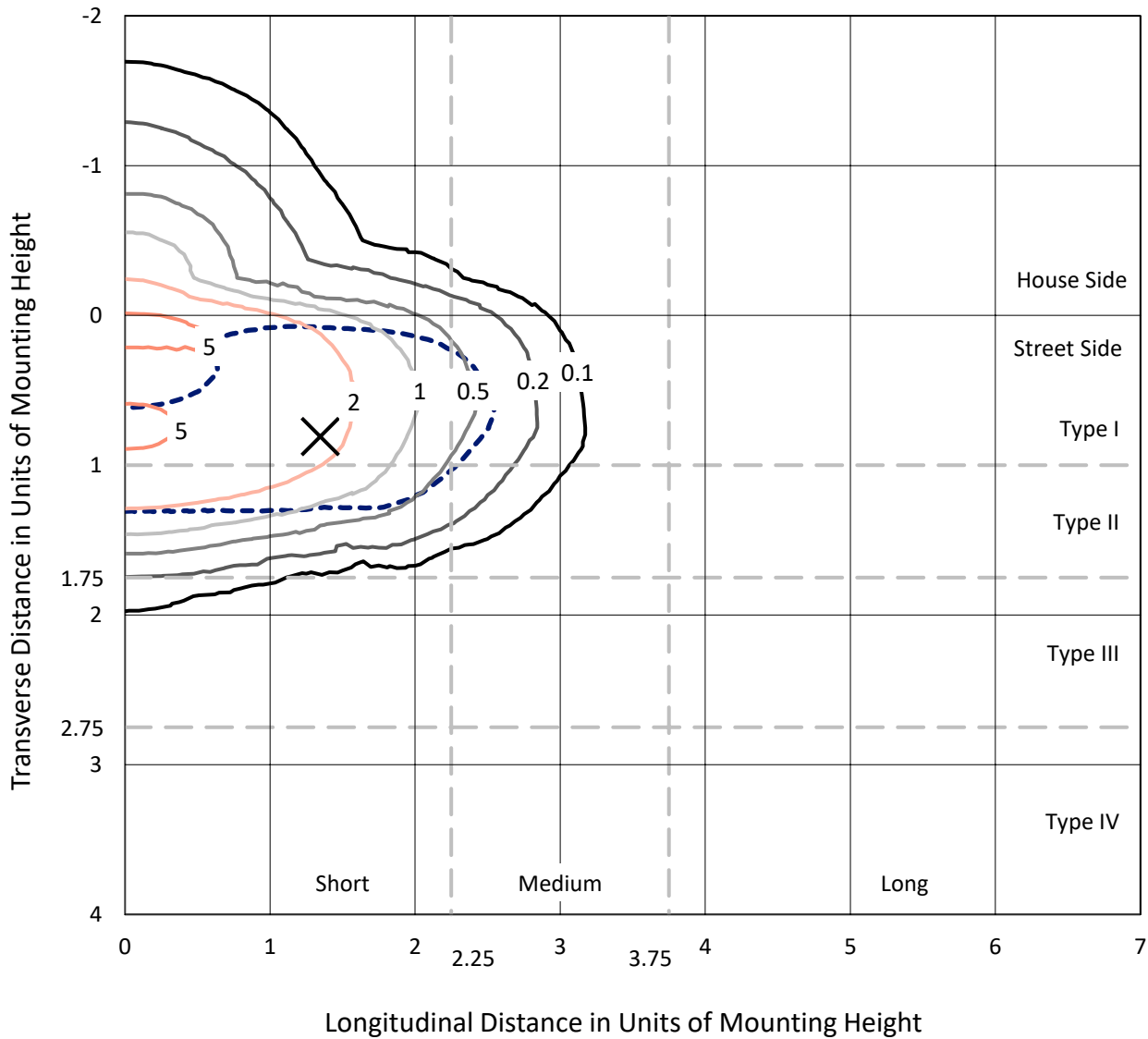


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### Iso-Footcandle Lines of Horizontal Illumination

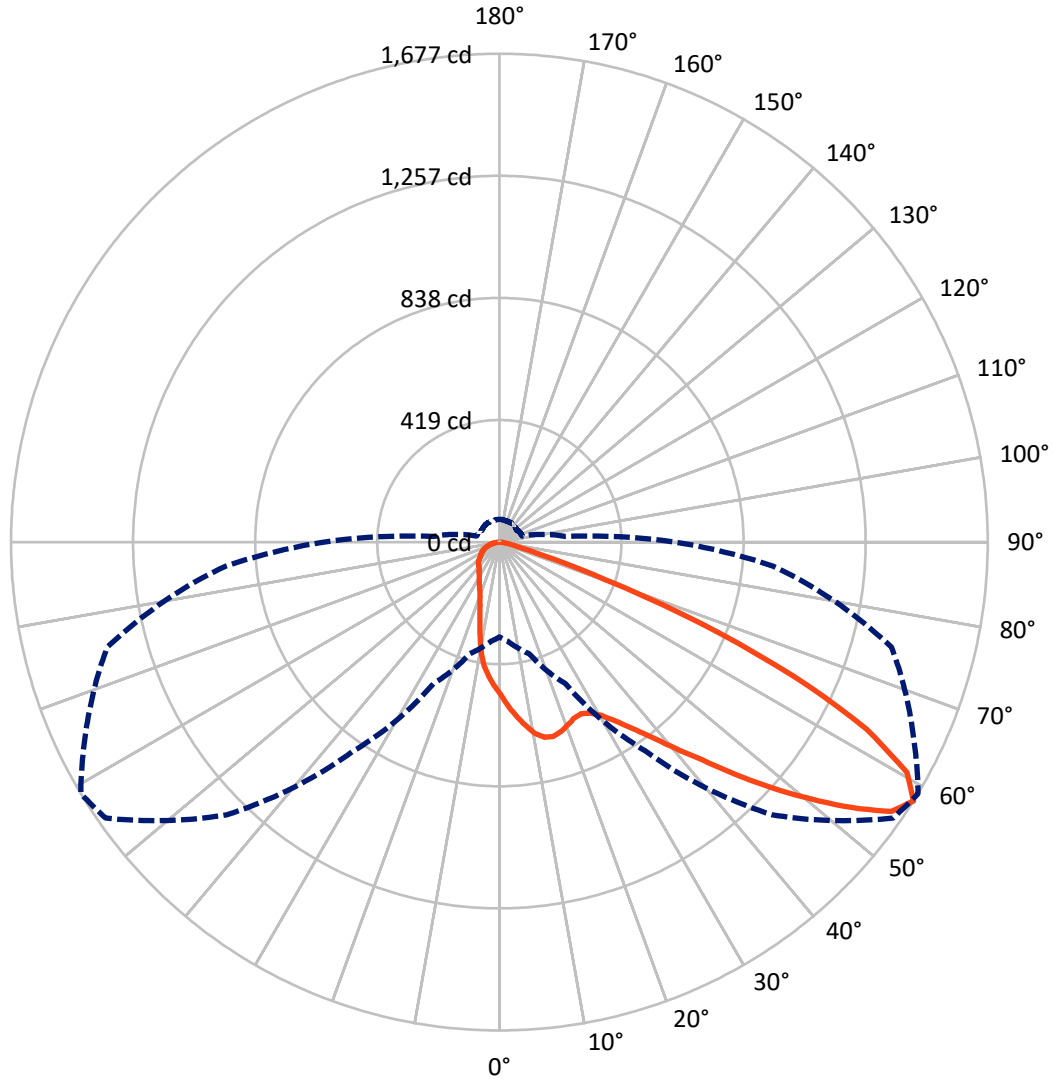
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	331.1	0.0	331.1
	% Fixture	15.5	0.0	15.5
<b>Street Side</b>	Lumens	1802.1	0.0	1802.1
	% Fixture	84.5	0.0	84.5
<b>Total</b>	Lumens	2133.1	0.0	2133.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	2.3
10°-20°	123.2	5.8
20°-30°	199.7	9.4
30°-40°	321.3	15.1
40°-50°	498.9	23.4
50°-60°	537.4	25.2
60°-70°	311.9	14.6
70°-80°	81.4	3.8
80°-90°	10.7	0.5
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°	2133.1	100.0
0°-180°	2133.1	100.0

**Coefficient of Utilization**



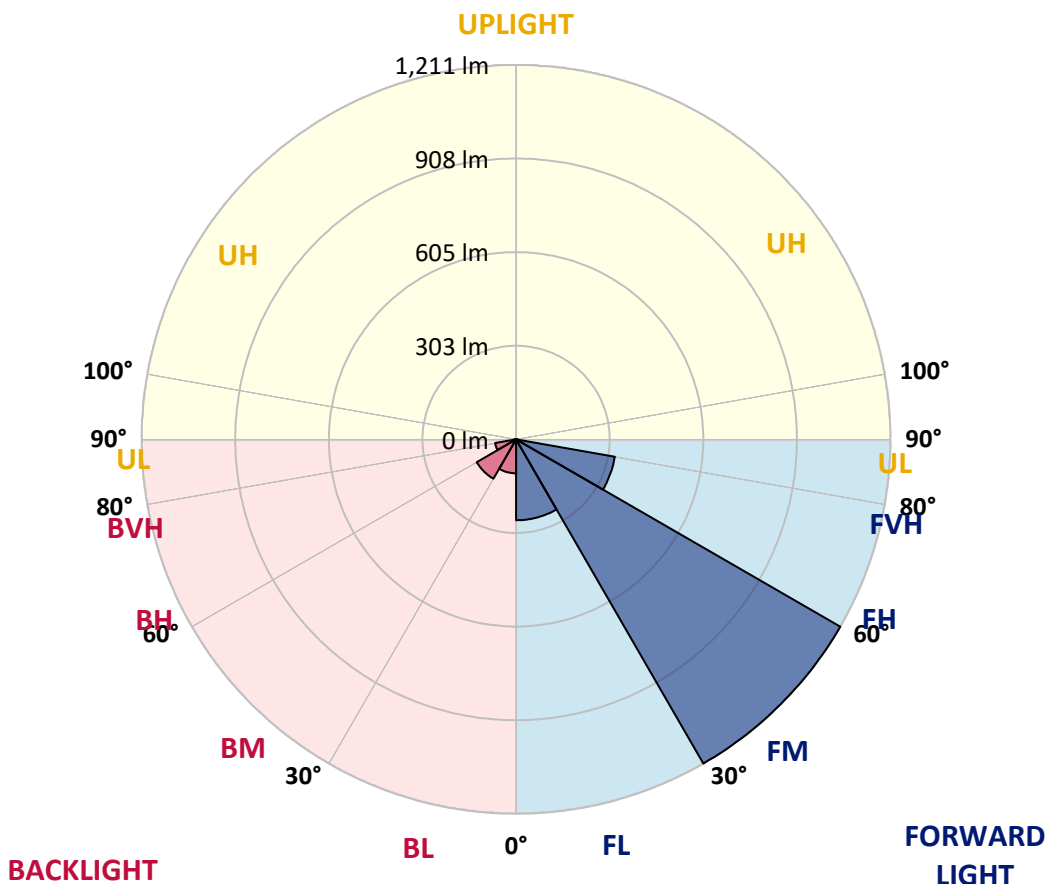
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.7	12.3			
FM (30°-60°)	1210.8	56.8			
FH (60°-80°)	324.4	15.2			G0/660
FVH (80°-90°)	5.1	0.2			G0/10
BL (0°-30°)	109.8	5.1	B0/110		
BM (30°-60°)	146.8	6.9	B0/220		
BH (60°-80°)	68.9	3.2	B0/110		G0/110
BVH (80°-90°)	5.6	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	593.9	589.0	592.4	586.3	583.7	576.9	568.2	562.4	553.4	541.7	531.4
5°	652.9	649.5	650.2	643.6	637.8	626.5	608.6	598.7	583.4	559.8	537.9
7.5°	651.1	655.2	657.4	663.1	664.8	663.7	647.7	633.9	617.0	581.6	548.6
10°	583.7	591.4	598.3	617.8	641.5	671.5	675.3	667.0	650.1	609.4	561.3
12.5°	510.3	516.1	522.3	545.7	582.0	642.1	682.8	687.9	681.2	636.9	575.7
15°	474.2	476.9	482.8	498.3	527.2	593.9	669.7	692.1	704.3	666.0	592.0
17.5°	472.7	473.9	476.8	485.0	505.2	556.7	646.2	683.7	722.5	696.8	610.9
20°	503.8	500.7	498.9	498.7	508.6	544.2	623.3	670.2	731.0	728.3	631.2
22.5°	546.9	548.0	544.1	534.4	533.2	553.1	611.9	656.5	733.6	756.2	649.9
25°	608.0	613.3	601.7	583.4	574.4	578.7	619.0	652.3	733.3	779.5	661.6
27.5°	679.4	683.4	671.7	647.7	629.1	618.5	640.0	664.8	735.8	799.6	668.7
30°	760.6	761.9	745.9	720.7	693.5	670.9	675.0	690.5	748.9	826.1	677.0
32.5°	859.9	865.6	841.2	801.3	763.3	734.5	722.0	731.9	777.1	857.3	689.7
35°	985.8	987.8	956.9	899.7	845.9	805.9	779.8	785.1	820.1	901.0	708.9
37.5°	1104.6	1106.6	1073.7	1020.5	943.7	889.0	851.1	848.7	875.0	962.7	740.3
40°	1180.0	1185.6	1170.9	1137.5	1064.1	990.4	939.0	930.7	947.1	1038.3	784.0
42.5°	1220.6	1223.0	1222.7	1227.0	1183.3	1110.0	1038.1	1021.6	1032.6	1119.8	828.2
45°	1220.9	1226.9	1242.9	1284.8	1286.8	1241.1	1163.3	1137.5	1127.5	1201.9	874.3
47.5°	1166.2	1172.7	1216.8	1299.2	1360.1	1370.4	1313.4	1261.6	1219.2	1272.7	912.1
50°	1000.7	1016.9	1101.0	1246.8	1374.5	1474.0	1456.5	1386.2	1300.7	1327.3	935.8
52.5°	857.0	856.4	908.2	1098.8	1314.3	1519.7	1594.9	1514.4	1381.4	1362.0	941.8
55°	627.5	631.0	684.0	840.3	1153.6	1475.5	1671.1	1632.5	1473.9	1380.5	939.4
57.5°	325.4	342.5	396.9	536.2	876.5	1323.6	1650.8	1676.5	1567.9	1393.6	942.6
60°	164.4	161.1	180.7	256.0	507.9	1033.8	1525.9	1607.7	1584.9	1403.8	944.6
62.5°	109.8	108.9	103.5	118.6	207.5	612.2	1300.7	1415.5	1467.0	1379.7	919.6
65°	95.1	93.3	83.3	82.7	100.8	253.9	953.4	1112.7	1212.5	1273.0	860.0
67.5°	85.6	82.9	72.8	67.9	72.4	111.6	537.3	746.3	895.3	1076.5	729.4
70°	76.4	75.1	65.0	57.8	57.4	68.0	197.9	385.2	547.8	734.5	533.2
72.5°	68.5	66.1	57.5	50.6	47.2	48.2	85.9	148.4	283.5	458.2	319.0
75°	59.3	57.5	50.0	43.1	38.9	35.3	52.4	68.6	129.3	217.7	150.6
77.5°	45.8	44.6	39.5	34.2	31.8	26.3	31.8	43.2	59.8	91.8	78.4
80°	26.6	27.3	29.4	26.7	23.4	18.8	20.7	24.9	35.9	49.7	44.4
82.5°	13.4	14.3	19.1	15.5	14.0	11.0	12.3	14.7	18.8	27.5	17.4
85°	1.1	1.1	3.5	3.9	4.8	3.9	5.0	6.0	8.6	11.0	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.4	2.6	1.7
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°	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6	523.6
2.5°	524.5	516.9	507.7	500.2	488.6	482.5	474.7	465.1	461.2	459.4	458.3
5°	525.6	512.1	492.5	474.5	454.6	438.8	421.2	402.9	392.4	389.8	388.0
7.5°	529.5	510.6	479.5	449.8	412.7	378.3	344.8	311.6	294.6	288.2	287.6
10°	534.9	510.0	466.3	416.9	354.2	299.9	260.7	234.7	223.7	220.1	218.9
12.5°	541.7	509.5	448.9	371.2	286.8	235.5	213.1	208.9	210.4	210.1	210.1
15°	550.2	510.1	427.8	319.6	232.0	204.4	204.8	209.8	214.4	215.2	215.2
17.5°	559.5	509.5	397.3	267.7	199.1	197.0	203.9	210.8	215.0	215.6	215.6
20°	569.6	506.7	358.9	218.9	184.7	192.4	199.9	205.3	207.8	208.4	208.4
22.5°	575.6	498.6	317.2	185.3	175.5	185.0	190.0	195.5	195.8	191.0	190.9
25°	574.7	483.4	269.6	163.7	165.8	174.0	180.4	176.4	171.6	168.9	168.5
27.5°	569.0	460.6	221.0	147.3	154.2	163.5	161.6	158.3	157.1	154.1	153.8
30°	561.8	432.5	177.5	134.5	142.2	150.8	147.8	147.5	146.3	143.0	143.0
32.5°	554.9	403.5	144.6	125.1	134.5	135.2	139.4	139.7	139.1	133.3	132.7
35°	552.9	374.5	122.4	117.6	127.0	126.7	132.7	132.6	122.2	114.3	114.1
37.5°	558.8	345.1	109.2	111.4	116.7	120.6	125.4	116.7	113.2	108.4	108.1
40°	571.2	317.9	102.4	107.8	110.1	115.8	108.3	108.9	108.0	104.4	103.9
42.5°	587.8	294.8	98.7	106.6	106.3	107.8	99.6	102.0	103.3	100.6	100.2
45°	603.7	274.7	96.7	102.1	103.6	94.9	93.3	95.5	97.6	96.6	96.1
47.5°	615.4	257.2	95.7	96.0	100.2	90.6	87.8	88.9	91.5	91.9	91.8
50°	619.0	242.4	94.5	90.9	90.0	86.2	84.1	83.8	86.8	88.9	89.2
52.5°	612.1	229.2	91.3	86.3	82.0	82.6	81.8	80.3	83.3	86.2	86.5
55°	601.9	221.6	86.3	82.0	76.9	79.3	79.6	78.2	80.2	82.1	82.1
57.5°	602.6	226.0	81.5	77.9	72.4	75.5	77.2	76.6	76.6	78.1	78.2
60°	607.6	232.3	78.4	72.8	67.9	71.2	74.9	74.3	73.0	74.9	74.9
62.5°	593.3	223.9	76.3	67.9	63.1	67.0	71.5	71.2	69.7	72.8	73.1
65°	551.3	201.4	73.9	61.7	58.3	62.8	66.7	67.7	66.4	70.6	71.3
67.5°	462.1	169.4	69.2	55.9	53.5	57.7	61.4	62.9	61.9	66.8	67.4
70°	344.5	137.1	61.9	49.4	47.6	51.4	54.8	55.4	55.6	61.4	62.0
72.5°	219.7	106.6	52.1	42.2	40.8	43.7	46.3	48.7	49.7	55.3	55.1
75°	122.5	79.3	41.9	35.7	33.3	35.6	38.6	41.4	44.4	52.6	53.5
77.5°	70.6	55.7	33.2	28.7	25.8	28.2	30.8	34.8	43.8	50.9	50.0
80°	39.8	36.2	25.1	21.0	19.2	21.0	23.0	30.6	34.5	37.5	38.0
82.5°	18.6	20.3	17.1	12.9	12.9	14.1	15.9	23.7	26.1	21.3	18.6
85°	6.8	9.2	8.4	6.6	5.9	5.7	9.9	13.5	8.4	7.5	6.5
87.5°	1.8	2.6	2.4	1.7	0.9	0.8	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)