

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: P629398

Luminaire Tested: GWS-SA1B-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629398
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-SA1B-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: 2906.2 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

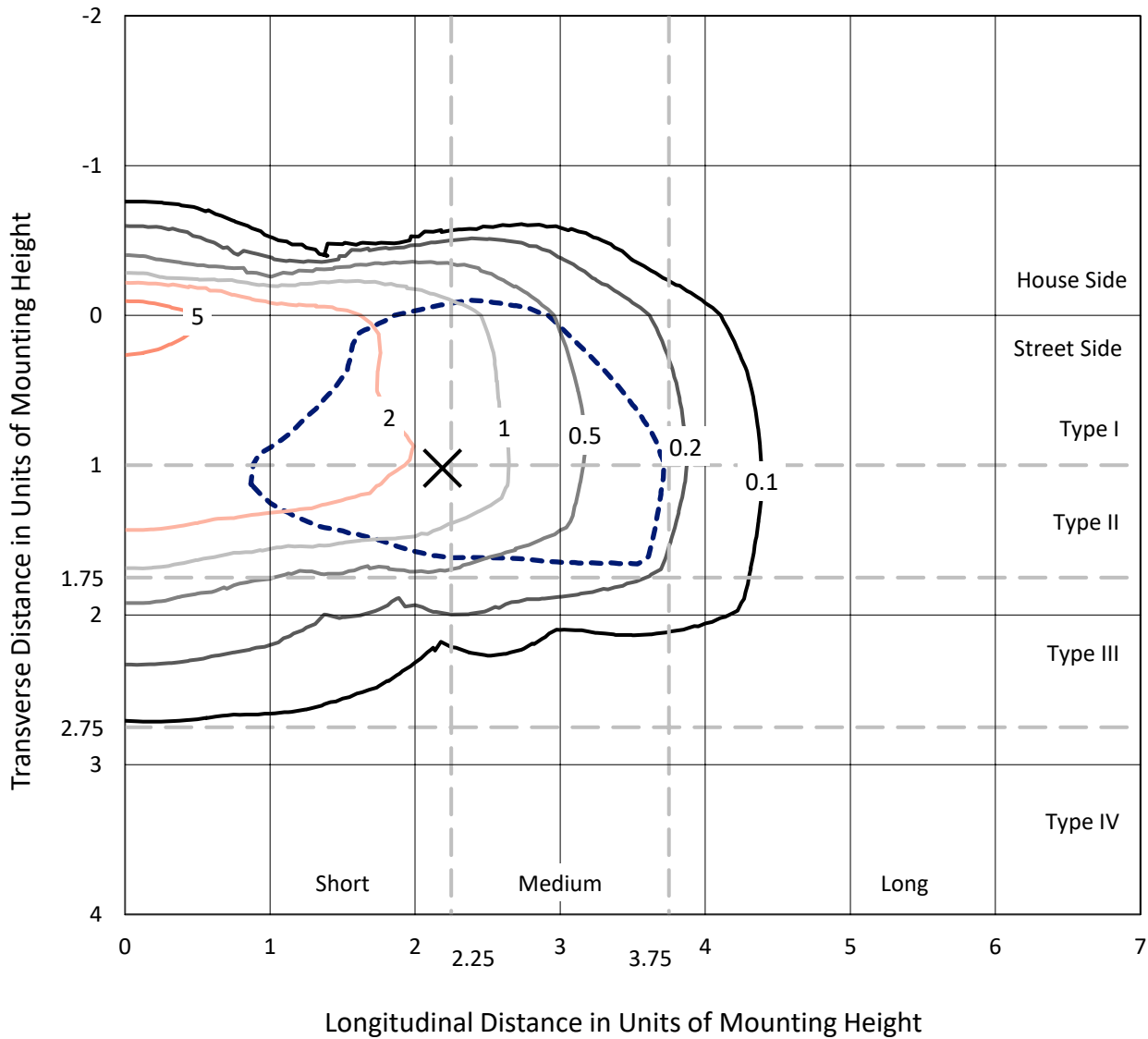
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

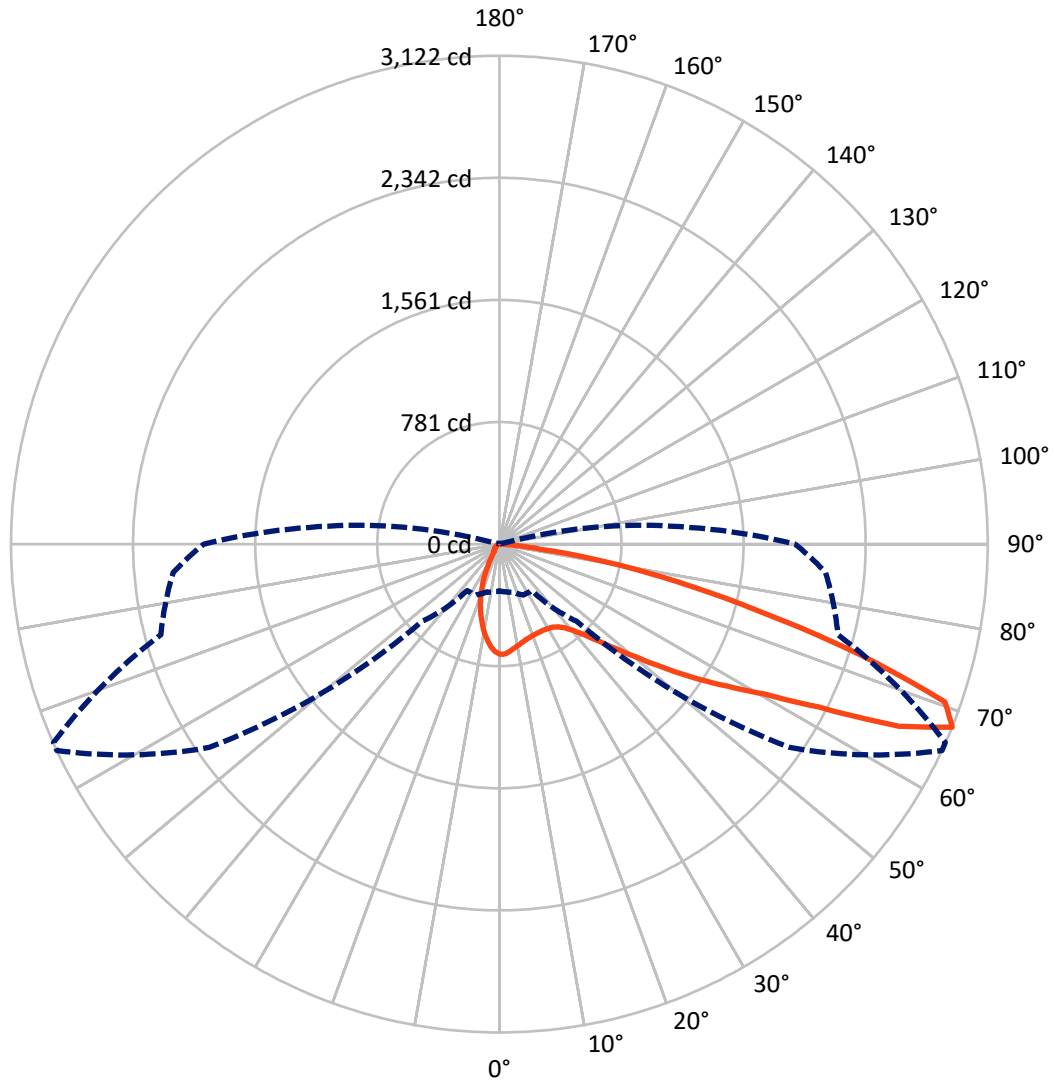
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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
House Side	Lumens	362.9	0.0	362.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	2543.3	0.0	2543.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	2906.2	0.0	2906.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	2.0
10°-20°	131.6	4.5
20°-30°	188.0	6.5
30°-40°	273.6	9.4
40°-50°	428.5	14.7
50°-60°	668.4	23.0
60°-70°	734.2	25.3
70°-80°	390.8	13.4
80°-90°	32.5	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°	2906.2	100.0
0°-180°	2906.2	100.0

Coefficient of Utilization



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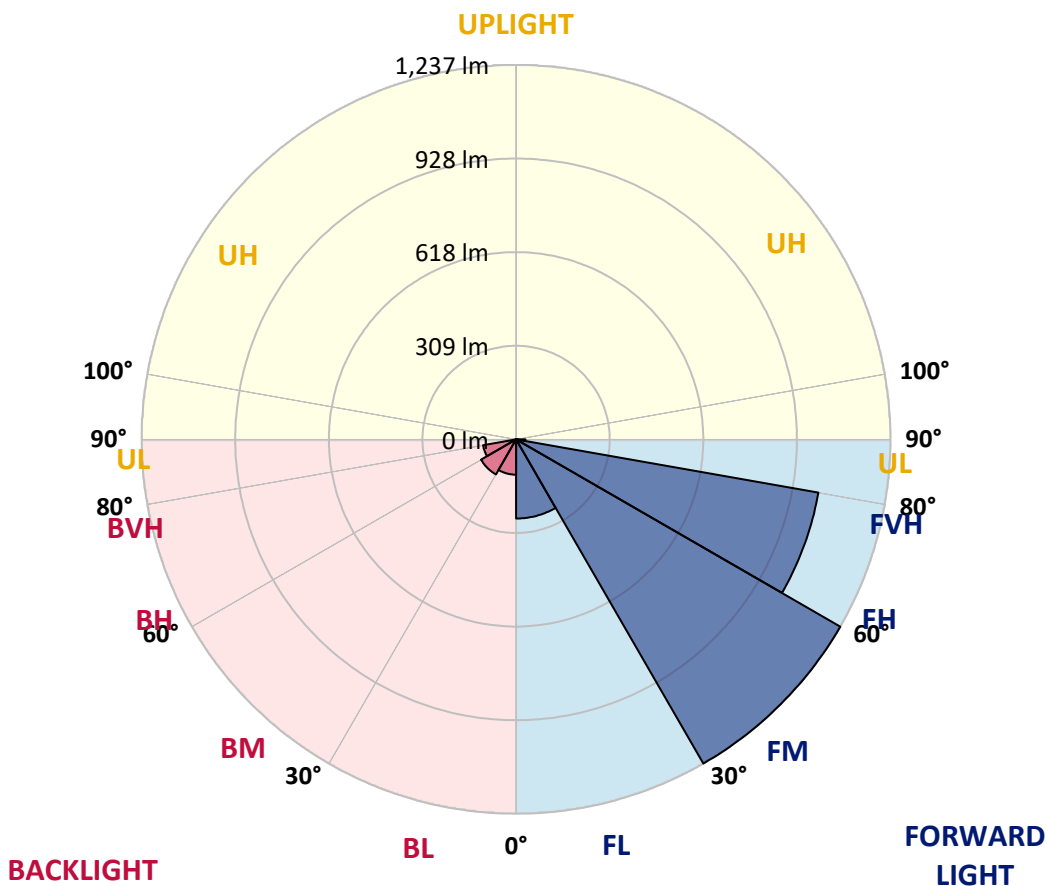
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.5	9.0			
FM (30°-60°)	1236.8	42.6			
FH (60°-80°)	1014.2	34.9			G1/1800
FVH (80°-90°)	30.8	1.1			G1/100
BL (0°-30°)	116.6	4.0	B1/500		
BM (30°-60°)	133.7	4.6	B0/220		
BH (60°-80°)	110.8	3.8	B1/500		G1/500
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	680.4	682.5	679.6	686.7	688.0	695.9	700.4	703.5	703.3	707.2	707.2
5°	640.5	642.6	641.0	648.6	654.6	667.0	677.3	689.1	689.6	701.7	706.2
7.5°	606.6	606.8	606.8	616.3	624.2	639.4	654.6	672.8	674.9	693.5	705.4
10°	578.7	579.5	579.7	590.5	599.2	617.6	637.0	658.9	661.2	686.4	704.8
12.5°	559.5	559.8	560.8	572.1	581.6	600.8	620.5	645.5	648.6	678.3	702.5
15°	550.3	549.8	550.3	559.8	569.2	587.6	607.9	634.7	638.1	671.5	702.7
17.5°	549.8	549.0	548.5	555.6	561.6	577.9	598.4	627.6	631.3	668.3	705.6
20°	557.4	556.9	554.3	557.4	558.7	572.1	592.4	622.1	625.7	667.8	711.9
22.5°	577.4	576.1	572.1	569.2	562.1	570.0	588.2	618.1	622.3	669.1	720.1
25°	607.1	606.6	601.6	594.5	576.3	573.2	588.4	618.1	622.1	670.7	728.8
27.5°	651.8	648.6	642.3	629.9	603.9	585.5	593.7	619.7	623.6	672.8	735.9
30°	697.2	697.0	694.9	682.2	643.6	609.2	604.7	623.9	627.6	674.6	742.4
32.5°	744.3	745.1	750.3	740.6	698.3	644.4	624.7	632.6	635.2	678.3	748.2
35°	788.9	790.5	804.4	807.9	764.8	697.7	657.3	649.9	650.2	686.4	755.8
37.5°	831.8	837.0	859.4	875.9	847.5	762.4	704.3	679.4	677.3	702.7	767.4
40°	880.4	890.4	918.5	946.6	937.7	847.8	768.4	724.6	720.1	732.7	788.2
42.5°	934.3	945.0	982.4	1021.8	1026.0	951.1	848.6	790.5	782.9	783.2	827.0
45°	992.1	1006.5	1049.9	1106.7	1132.2	1066.2	947.4	879.6	872.0	860.7	889.6
47.5°	1068.0	1080.7	1122.4	1187.9	1236.8	1189.7	1077.0	994.2	980.3	963.7	986.8
50°	1133.5	1144.5	1180.5	1262.5	1364.2	1349.0	1223.9	1137.4	1124.0	1095.9	1115.1
52.5°	1147.9	1156.6	1189.7	1282.0	1461.7	1550.0	1403.9	1310.6	1301.2	1249.1	1256.5
55°	1083.0	1096.2	1125.9	1228.4	1487.2	1746.6	1637.5	1505.9	1486.2	1403.1	1416.3
57.5°	919.0	942.4	970.3	1103.5	1418.1	1851.2	1963.9	1712.7	1694.8	1551.3	1551.6
60°	673.6	692.5	711.2	833.1	1254.1	1844.1	2260.1	1945.0	1912.4	1672.5	1668.0
62.5°	489.9	499.6	499.3	542.7	861.2	1722.7	2415.7	2295.1	2219.1	1802.1	1776.6
65°	385.3	385.0	396.3	410.5	480.9	1329.8	2434.9	2806.2	2724.2	1975.8	1922.7
67.5°	299.9	305.6	316.9	358.7	361.4	695.9	2266.2	3122.4	3120.8	2240.9	2093.8
70°	231.3	239.2	255.2	316.2	333.8	389.5	1695.6	3022.3	3047.8	2359.5	1972.6
72.5°	148.5	148.0	171.6	255.4	320.6	324.6	937.7	2400.7	2429.6	2137.1	1595.0
75°	83.0	83.6	97.0	156.4	298.8	305.4	464.4	1711.9	1734.8	1666.2	1225.5
77.5°	32.6	33.6	45.5	82.3	197.1	272.8	275.9	1167.4	1170.8	1032.6	751.6
80°	13.1	13.9	23.1	51.0	120.1	183.7	197.1	687.8	673.8	399.7	218.7
82.5°	3.9	4.2	9.2	28.9	62.8	130.6	133.0	263.9	249.1	85.9	55.7
85°	0.3	0.3	2.1	8.9	22.3	32.9	88.6	85.9	76.2	21.6	24.7
87.5°	0.0	0.0	0.3	0.3	0.5	1.1	9.5	15.8	16.0	3.9	11.0
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°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	707.2	697.7	697.0	689.6	682.2	673.0	662.3	654.4	648.9	639.1	637.3
5°	706.2	693.5	681.7	660.7	637.3	612.1	590.0	569.5	556.6	548.0	544.3
7.5°	704.1	688.0	660.7	621.0	581.9	537.7	503.3	471.7	450.2	437.6	432.1
10°	702.5	680.9	636.5	576.3	515.6	454.7	402.4	355.6	329.6	309.1	305.6
12.5°	699.3	670.7	605.5	524.0	445.7	364.8	298.0	240.7	201.0	183.2	176.9
15°	696.2	659.9	574.5	468.8	369.5	269.6	188.7	133.5	106.2	97.8	97.2
17.5°	695.6	650.2	540.9	416.5	289.6	176.6	107.5	86.5	80.7	78.6	78.6
20°	697.2	642.0	507.7	356.4	211.0	107.5	80.2	74.9	71.5	69.6	69.6
22.5°	698.8	633.6	475.9	295.7	140.1	78.6	70.7	66.2	62.3	60.2	59.1
25°	699.9	624.4	440.7	234.7	91.5	68.3	62.0	56.2	51.5	48.9	48.9
27.5°	699.6	613.4	405.2	175.0	71.0	60.7	53.1	47.0	42.3	39.4	39.7
30°	697.5	601.3	368.5	122.2	62.0	53.1	45.5	39.2	34.4	32.1	31.8
32.5°	695.9	588.4	325.9	85.9	55.7	46.5	38.6	32.6	28.6	26.8	26.5
35°	694.1	575.8	285.4	65.4	50.2	40.2	32.6	27.6	24.4	22.9	22.9
37.5°	694.6	562.7	241.5	56.2	44.7	35.0	27.9	23.7	21.0	19.4	19.2
40°	702.7	554.8	198.4	51.0	39.7	30.2	24.2	20.5	17.9	16.3	16.0
42.5°	723.0	555.0	157.2	47.0	35.2	25.8	21.0	17.6	15.2	13.4	13.1
45°	763.5	566.1	120.6	42.8	30.5	22.3	18.1	15.0	12.6	11.0	10.8
47.5°	829.7	598.9	91.5	39.2	26.5	19.4	15.5	12.6	10.5	9.2	8.9
50°	935.1	658.3	72.0	34.7	22.3	16.8	13.1	10.5	8.7	7.4	7.1
52.5°	1061.7	747.4	61.8	30.7	19.2	14.7	11.3	8.7	7.1	6.0	5.8
55°	1207.3	853.9	57.0	26.8	16.3	12.6	9.2	7.1	5.8	5.0	4.5
57.5°	1340.8	949.8	56.8	22.9	13.9	10.8	7.6	6.0	5.0	3.9	3.7
60°	1470.9	1029.9	53.3	18.9	12.1	8.9	6.6	5.0	4.2	3.4	3.2
62.5°	1588.9	1095.1	44.7	15.2	10.2	7.4	5.5	4.5	3.7	2.9	2.9
65°	1737.1	1178.2	34.2	12.4	8.4	6.0	4.7	3.9	3.4	2.6	2.6
67.5°	1890.4	1222.0	24.4	10.2	6.8	5.3	4.2	3.7	2.9	2.4	2.4
70°	1712.2	1032.6	17.6	8.4	5.8	4.5	3.7	3.4	2.9	2.4	2.1
72.5°	1337.2	744.5	13.1	6.6	5.0	4.2	3.4	3.2	2.6	2.1	2.1
75°	991.6	434.2	10.0	5.3	3.9	3.4	3.4	3.2	2.6	2.1	1.8
77.5°	539.0	151.4	7.6	4.2	3.2	2.6	2.9	2.9	2.4	1.8	1.6
80°	142.7	41.5	5.3	3.2	2.6	2.1	2.1	2.6	2.1	1.6	1.6
82.5°	41.5	12.1	3.7	2.6	2.1	1.8	1.8	1.8	1.6	1.3	1.1
85°	20.2	4.5	2.6	2.1	1.8	1.6	1.3	1.3	1.1	0.8	0.8
87.5°	8.9	1.8	2.1	1.8	1.8	1.3	1.1	0.8	0.8	0.5	0.3
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)