

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: P628961

Luminaire Tested: GWS-SA1A-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2402.7 lumens
Efficiency: N/A
Efficacy: 122.0 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

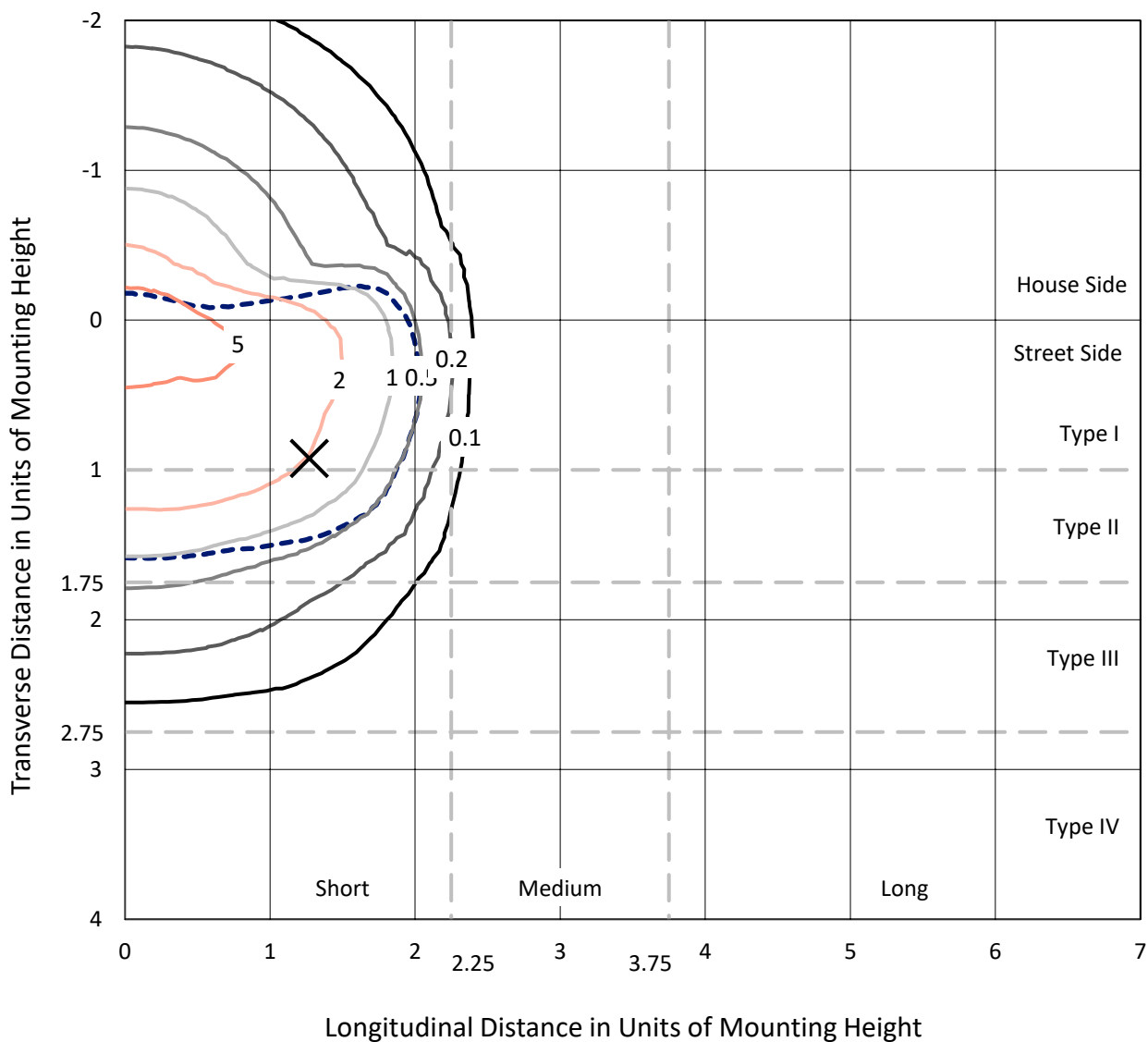
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

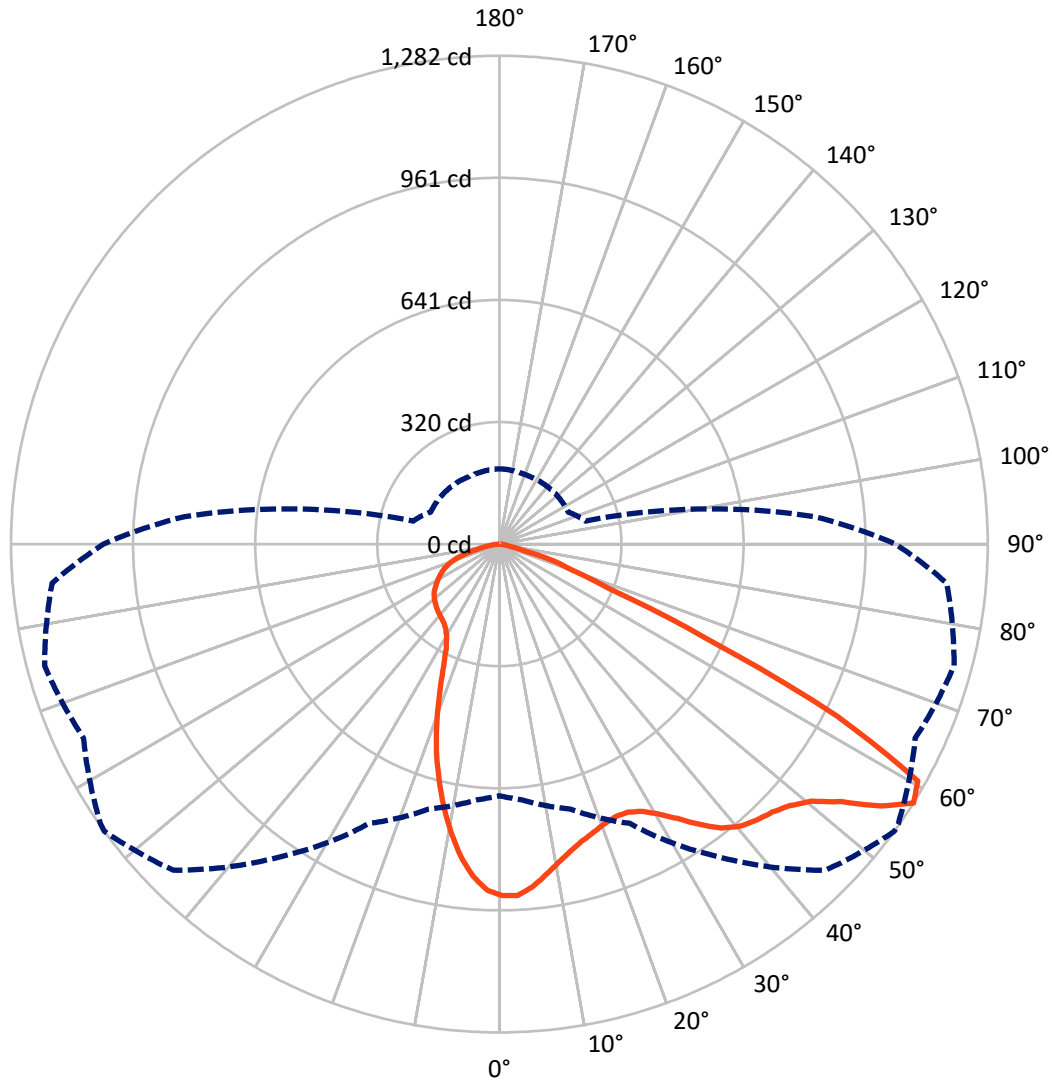
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	698.5	0.0	698.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	1704.2	0.0	1704.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	2402.7	0.0	2402.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	3.4
10°-20°	193.5	8.1
20°-30°	267.7	11.1
30°-40°	372.0	15.5
40°-50°	491.3	20.4
50°-60°	583.9	24.3
60°-70°	323.5	13.5
70°-80°	80.6	3.4
80°-90°	9.2	0.4
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°	2402.7	100.0
0°-180°	2402.7	100.0

Coefficient of Utilization



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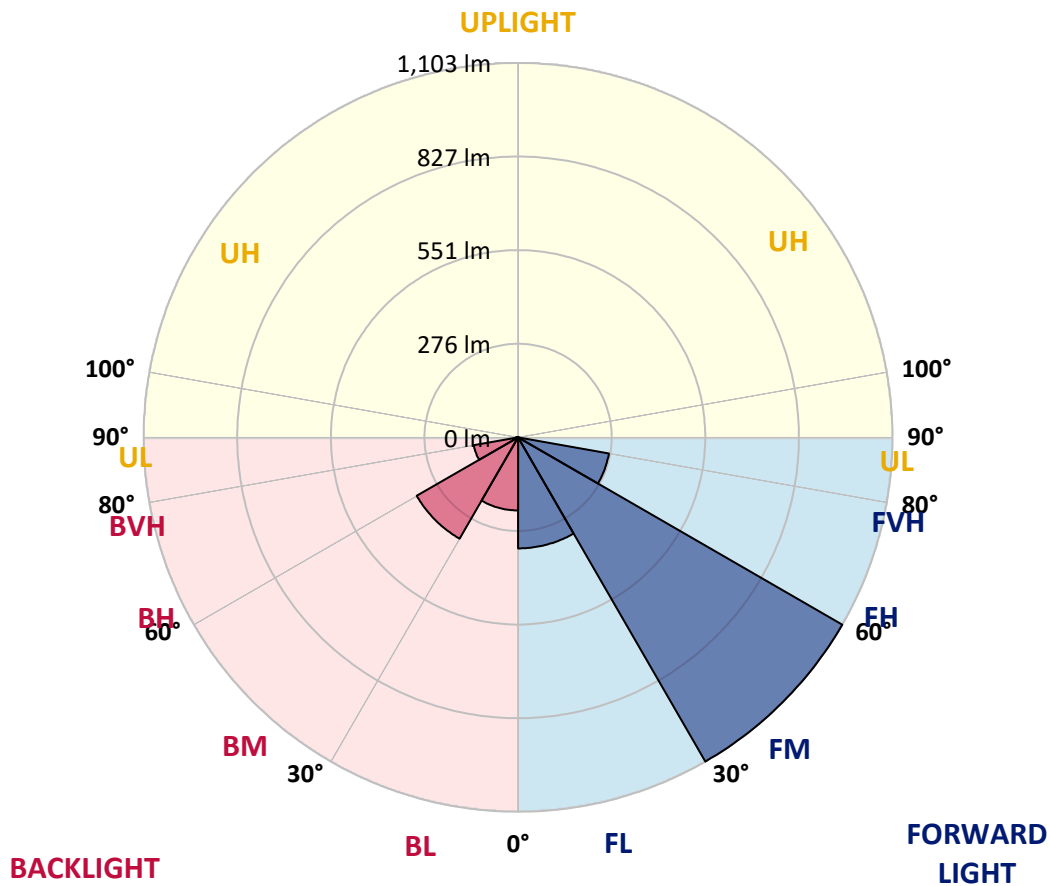
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.0	13.6			
FM (30°-60°)	1102.6	45.9			
FH (60°-80°)	271.7	11.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	215.2	9.0	B1/500		
BM (30°-60°)	344.6	14.3	B1/1000		
BH (60°-80°)	132.4	5.5	B1/500		G1/500
BVH (80°-90°)	6.3	0.3			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°	54°	55°	65°	75°	85°
0°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5
2.5°	905.2	907.0	908.3	912.6	916.3	919.6	923.1	923.1	922.9	922.2	921.0
5°	869.4	871.4	874.3	880.3	888.3	894.1	903.5	904.4	908.5	910.1	909.3
7.5°	827.8	828.5	832.2	840.0	852.7	863.0	876.6	878.2	888.1	893.9	892.8
10°	782.4	780.3	786.9	798.4	815.1	832.4	849.8	851.3	867.1	878.0	877.2
12.5°	740.8	741.0	747.6	761.6	782.4	803.8	827.2	830.5	850.1	864.0	862.6
15°	706.1	706.9	714.9	730.8	754.4	779.9	809.1	812.2	836.9	855.4	851.3
17.5°	678.3	679.1	686.1	704.2	729.5	760.4	796.0	799.0	829.7	851.7	843.3
20°	659.2	658.8	665.6	682.8	709.0	742.5	784.4	789.0	827.4	853.1	837.9
22.5°	651.4	651.2	656.1	670.3	694.8	728.7	777.5	783.6	829.9	859.5	834.6
25°	655.3	654.5	658.8	669.3	688.8	723.4	779.5	786.1	840.4	872.7	835.2
27.5°	667.4	666.4	670.1	679.5	694.4	728.9	793.9	801.5	862.6	896.7	843.5
30°	685.9	685.3	689.0	698.1	711.0	747.4	821.5	830.1	896.9	934.2	861.4
32.5°	707.5	706.5	713.1	723.6	738.6	781.2	858.5	869.8	937.7	982.3	891.4
35°	731.8	731.0	740.0	755.2	776.8	828.0	903.3	915.7	979.2	1036.8	931.3
37.5°	755.4	755.4	772.9	795.5	822.7	879.1	945.5	953.3	1008.0	1085.1	974.1
40°	776.4	777.7	804.0	837.9	872.5	925.1	973.3	979.8	1020.8	1118.5	1011.3
42.5°	799.7	800.7	831.3	875.8	916.9	962.4	990.1	993.4	1023.2	1135.1	1037.6
45°	818.2	819.6	857.7	905.2	955.6	990.3	1003.5	1006.4	1026.7	1144.2	1056.8
47.5°	827.8	829.9	873.5	928.8	981.7	1015.4	1025.5	1026.7	1041.1	1160.0	1079.8
50°	826.2	830.3	879.5	940.6	1001.0	1040.7	1060.9	1062.9	1070.5	1183.2	1106.7
52.5°	840.8	842.6	892.2	954.5	1028.6	1087.4	1122.4	1125.2	1121.7	1200.7	1122.8
55°	816.5	825.4	876.4	952.5	1070.5	1159.6	1213.5	1212.0	1168.2	1220.3	1149.5
57.5°	660.4	673.4	720.1	808.5	1001.4	1210.2	1281.6	1278.1	1204.2	1235.3	1178.5
60°	457.2	459.3	501.4	564.2	772.9	1069.1	1261.6	1269.2	1210.8	1216.4	1124.8
62.5°	365.7	365.1	369.0	370.6	491.6	751.5	995.9	1023.6	1006.0	947.7	797.2
65°	312.2	314.5	326.0	320.0	320.9	423.3	595.0	598.9	586.6	565.6	421.6
67.5°	244.3	248.2	268.6	291.9	284.4	272.5	308.7	306.9	241.9	187.2	154.7
70°	153.0	155.5	177.3	229.1	247.6	223.8	198.5	197.7	129.6	106.5	116.8
72.5°	89.3	89.7	95.8	127.7	164.3	153.0	146.0	140.7	83.3	84.9	93.2
75°	49.2	49.2	49.0	55.1	64.8	57.4	55.5	54.1	55.7	63.1	69.3
77.5°	10.3	10.5	11.1	14.6	18.9	23.0	29.0	29.2	36.4	42.2	47.1
80°	4.7	4.9	6.2	7.8	10.1	13.4	17.7	17.9	22.0	26.5	29.8
82.5°	2.5	2.7	3.3	4.1	5.3	7.0	9.9	9.9	13.2	15.6	17.7
85°	0.8	0.8	1.2	1.6	2.3	2.9	3.9	3.9	5.8	7.6	8.8
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.2	2.1
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°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5
2.5°	918.3	912.0	912.2	913.4	909.5	903.5	899.6	894.7	891.6	891.0	893.2
5°	905.2	897.8	892.6	887.3	876.2	863.0	852.7	844.3	838.7	836.7	834.2
7.5°	887.1	877.4	864.5	849.4	829.3	805.8	789.4	774.0	763.3	760.2	758.7
10°	869.0	855.0	832.0	804.0	770.5	738.8	709.0	686.1	668.0	657.7	661.0
12.5°	850.3	833.0	797.0	754.0	707.3	659.6	620.5	582.7	553.5	538.9	534.5
15°	833.8	810.4	760.2	702.0	639.9	579.8	523.2	466.5	429.4	409.3	403.7
17.5°	819.8	789.4	721.3	648.9	574.7	489.1	419.6	366.9	341.6	330.5	329.7
20°	806.0	768.8	682.8	591.7	499.4	403.5	341.4	316.7	307.7	303.8	303.6
22.5°	793.7	747.2	642.3	534.5	424.5	339.2	305.0	294.3	291.9	291.9	291.4
25°	783.2	725.6	600.8	473.9	356.8	301.9	286.1	281.6	282.6	284.4	284.7
27.5°	778.9	708.8	560.7	411.6	310.2	280.3	273.1	272.5	275.4	278.3	278.7
30°	783.4	697.2	519.5	351.9	282.2	267.2	263.9	265.1	268.6	271.5	271.5
32.5°	797.4	691.5	477.6	308.3	265.9	257.9	256.9	258.1	260.8	262.4	262.6
35°	821.1	693.7	434.2	278.9	255.4	251.1	250.9	251.7	252.8	253.8	254.0
37.5°	850.9	703.8	387.7	261.8	248.7	246.2	245.8	245.6	245.8	245.8	246.0
40°	880.1	719.0	346.2	251.7	243.9	241.9	240.8	239.4	239.2	238.8	238.6
42.5°	901.7	730.8	313.0	244.5	239.6	237.1	235.9	233.6	233.4	233.2	233.0
45°	917.9	740.6	285.5	237.6	235.1	232.8	230.2	228.1	228.5	228.9	228.9
47.5°	936.2	749.3	265.3	231.0	229.5	227.3	224.0	222.5	224.0	225.4	225.4
50°	958.4	761.4	248.9	224.4	223.8	221.1	218.2	217.6	219.2	221.3	221.3
52.5°	974.7	771.9	237.1	217.8	217.8	214.3	211.8	211.6	213.5	215.5	215.8
55°	1005.1	796.4	233.0	210.2	209.4	206.7	204.9	203.4	205.7	207.5	207.5
57.5°	1039.5	828.9	234.1	199.3	198.3	197.4	196.0	194.4	195.0	197.0	197.2
60°	966.7	765.9	222.7	188.4	187.8	187.4	185.5	182.6	183.5	185.1	185.3
62.5°	675.2	509.0	180.2	174.8	176.9	176.7	174.2	170.9	171.1	173.4	173.4
65°	350.5	275.4	158.2	162.5	165.6	164.3	160.2	157.3	156.9	159.8	159.2
67.5°	151.2	150.3	144.0	149.5	152.8	150.1	145.8	141.1	141.5	142.5	141.7
70°	121.8	125.5	128.1	134.1	136.8	131.8	127.1	124.4	122.2	122.0	120.5
72.5°	97.3	102.4	108.4	114.6	115.4	110.4	104.5	102.0	98.5	98.3	96.9
75°	73.2	77.5	82.3	87.2	87.2	82.5	78.6	77.3	73.2	72.0	70.8
77.5°	50.0	52.7	56.4	57.6	58.8	57.0	53.1	51.0	46.3	45.0	43.4
80°	31.5	33.3	35.6	36.4	37.6	35.4	32.3	30.0	26.7	25.7	24.9
82.5°	18.9	20.2	21.6	22.0	23.0	21.4	18.5	16.9	15.0	14.2	13.6
85°	9.7	10.3	11.1	11.3	11.1	9.5	8.4	7.6	6.4	6.2	5.8
87.5°	2.5	2.9	3.1	2.9	2.7	2.1	1.4	1.0	0.4	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)