

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: P629340

Luminaire Tested: GWS-SA1B-740-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3689.5 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

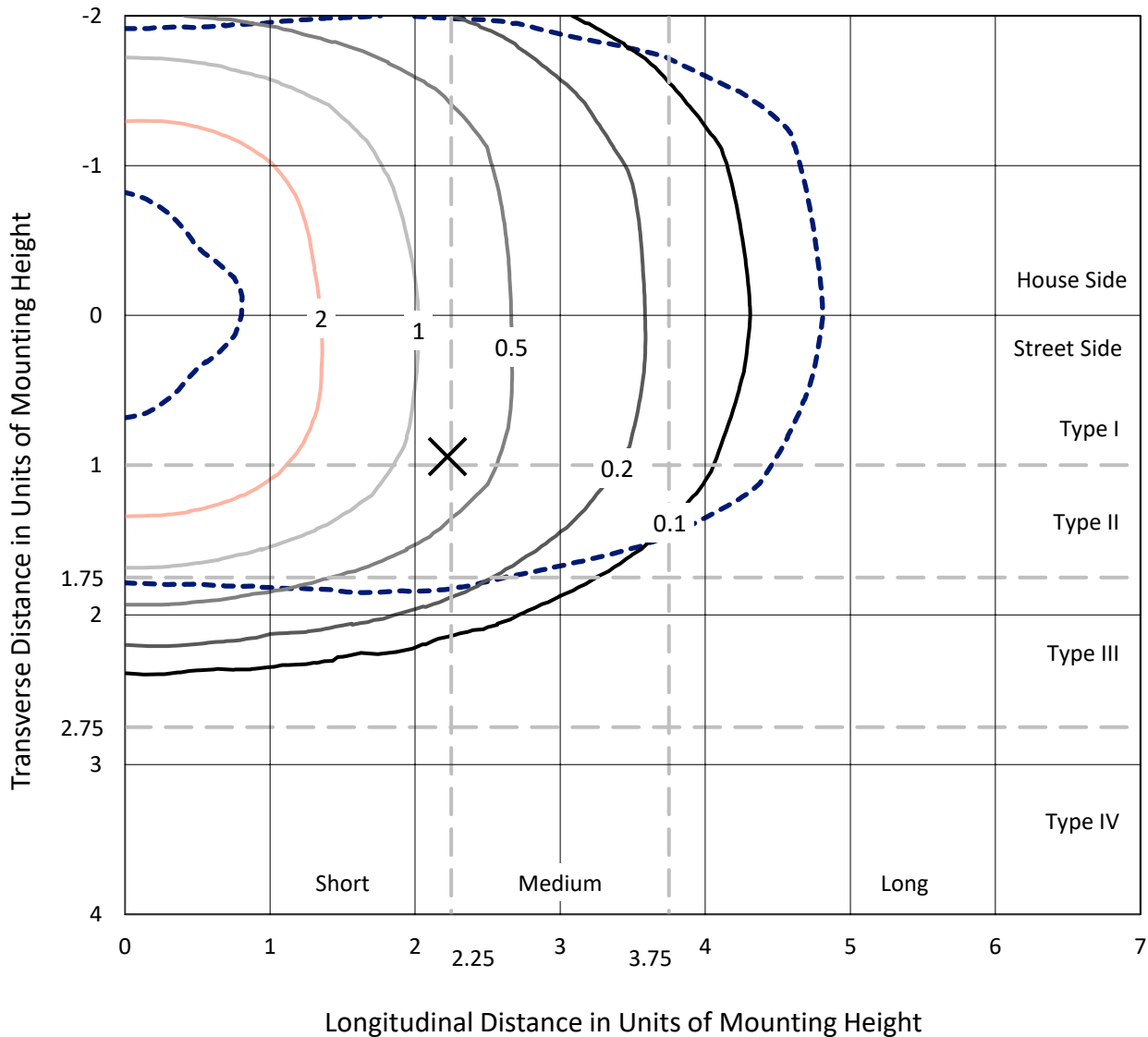
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

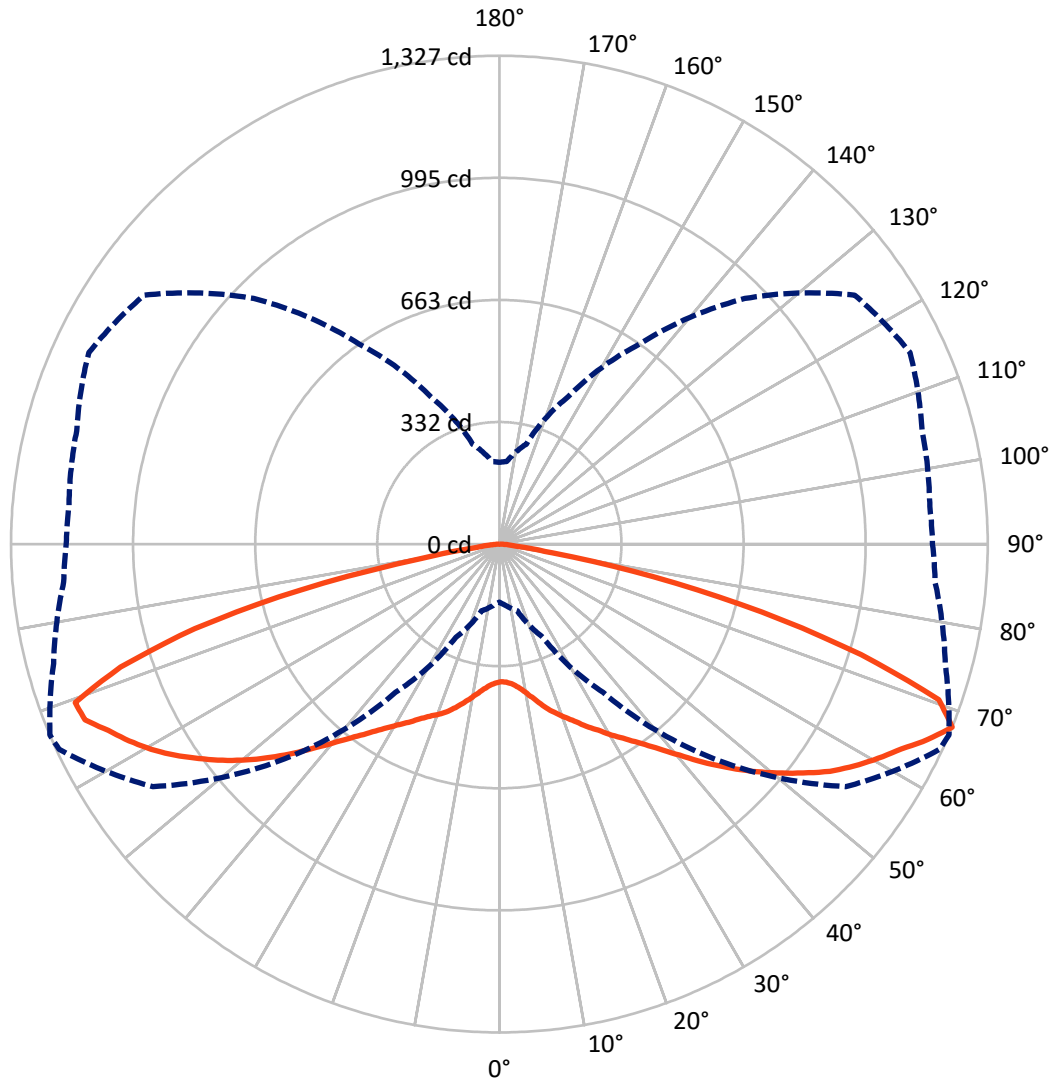
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1824.4	0.0	1824.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1865.1	0.0	1865.1
	% Fixture	50.6	0.0	50.6
Total	Lumens	3689.5	0.0	3689.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	1.0
10°-20°	123.8	3.4
20°-30°	243.0	6.6
30°-40°	413.9	11.2
40°-50°	664.7	18.0
50°-60°	903.1	24.5
60°-70°	863.9	23.4
70°-80°	410.7	11.1
80°-90°	29.8	0.8
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°	3689.5	100.0
0°-180°	3689.5	100.0

Coefficient of Utilization



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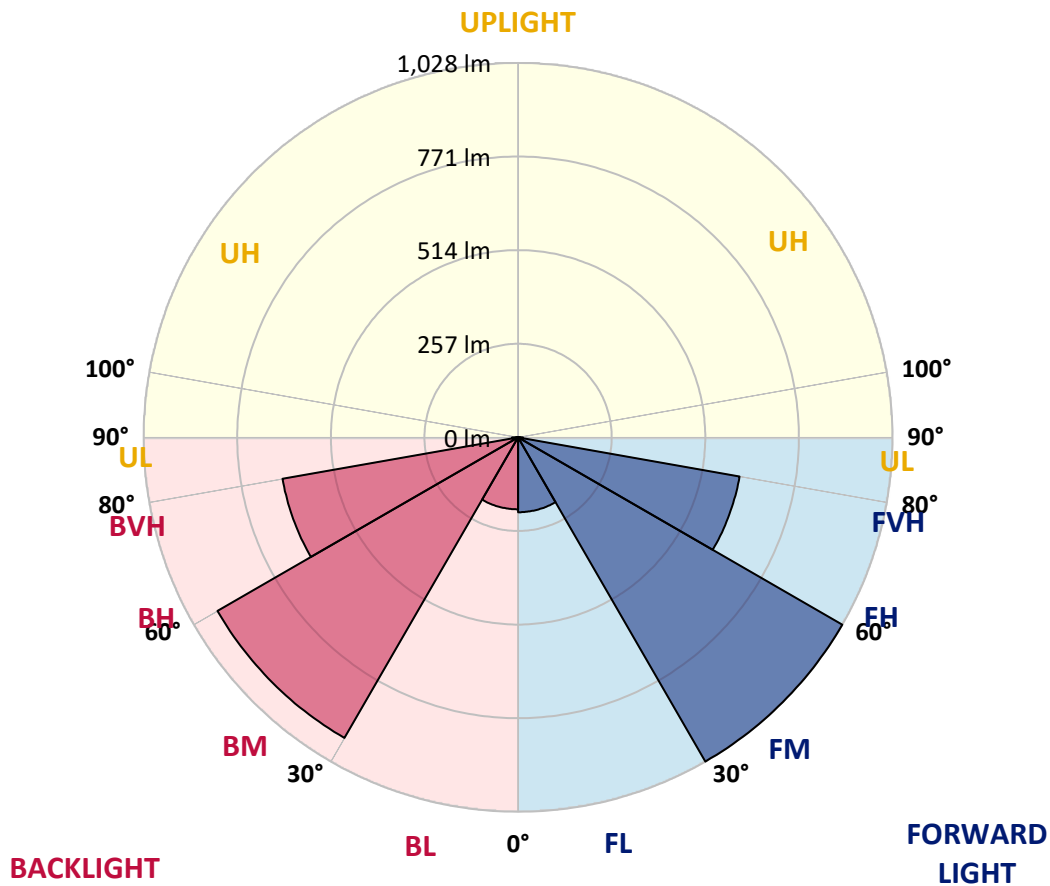
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.7	5.6			
FM (30°-60°)	1028.3	27.9			
FH (60°-80°)	617.7	16.7			G0/660
FVH (80°-90°)	13.4	0.4			G1/100
BL (0°-30°)	197.7	5.4	B1/500		
BM (30°-60°)	953.4	25.8	B1/1000		
BH (60°-80°)	656.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	16.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6
2.5°	365.9	366.4	367.2	368.7	370.2	372.6	374.9	374.6	375.6	376.4	377.2
5°	363.8	364.3	365.6	367.7	370.0	373.8	378.7	380.8	382.3	385.1	387.7
7.5°	368.2	369.2	371.0	373.8	377.4	382.3	389.0	392.6	394.9	400.0	404.4
10°	374.1	375.4	379.0	384.4	389.8	397.2	405.7	411.1	412.6	419.3	427.5
12.5°	379.7	381.3	387.2	397.0	406.7	416.7	426.8	433.4	434.0	443.0	452.2
15°	388.7	390.0	398.0	410.6	425.5	439.4	451.7	456.3	458.4	464.8	476.4
17.5°	408.5	410.1	420.3	434.0	449.6	464.3	476.6	480.5	480.5	485.9	495.4
20°	429.9	431.4	445.0	462.5	481.5	496.4	505.9	502.3	501.0	502.6	509.2
22.5°	453.7	456.6	469.7	490.0	513.4	531.6	536.5	525.7	522.1	518.5	520.0
25°	484.3	487.7	500.5	522.1	545.0	564.2	567.1	550.4	548.3	535.7	531.1
27.5°	519.5	522.1	538.0	559.3	580.7	596.9	599.9	579.4	572.4	555.0	544.2
30°	565.0	567.3	581.2	602.3	620.8	632.1	635.9	607.6	602.3	575.5	558.8
32.5°	614.6	615.6	629.7	650.0	666.5	677.3	671.9	639.0	631.0	601.0	578.1
35°	671.4	671.4	689.6	706.1	719.2	722.2	712.0	674.5	665.2	632.6	604.1
37.5°	727.1	728.7	745.6	765.2	776.7	776.2	757.4	716.3	705.8	670.3	638.7
40°	787.5	790.8	807.8	829.6	840.7	839.1	810.4	764.6	753.8	712.0	681.1
42.5°	843.0	848.4	868.2	890.5	902.6	901.6	871.5	820.1	809.6	762.3	731.5
45°	887.2	892.8	917.5	948.6	967.9	966.1	935.8	877.7	864.8	815.3	781.3
47.5°	926.0	931.9	959.4	992.3	1022.9	1025.9	998.2	935.8	922.1	872.0	833.8
50°	955.8	958.6	989.5	1025.4	1060.9	1078.1	1053.9	994.1	977.6	928.0	884.9
52.5°	953.5	957.3	995.4	1044.2	1091.7	1120.0	1103.3	1049.1	1033.1	979.2	937.0
55°	906.5	910.3	955.5	1026.7	1108.9	1150.6	1148.8	1101.5	1089.9	1031.3	991.3
57.5°	837.9	846.3	891.3	968.1	1086.3	1175.0	1182.2	1149.3	1137.2	1082.5	1045.0
60°	715.0	726.4	778.3	877.9	1013.9	1166.7	1217.9	1189.6	1182.2	1130.0	1093.5
62.5°	519.5	527.7	596.9	727.6	906.5	1108.2	1247.9	1231.2	1225.6	1172.6	1137.4
65°	311.1	329.9	385.4	514.6	731.2	997.7	1231.5	1285.7	1279.8	1216.6	1175.0
67.5°	157.5	166.0	187.8	279.0	491.8	825.5	1149.0	1319.6	1326.8	1254.1	1188.3
70°	97.6	99.9	106.1	137.7	245.6	542.4	939.6	1231.2	1266.4	1248.2	1153.6
72.5°	78.4	78.9	79.9	85.8	117.9	253.6	594.0	964.3	1027.7	1165.7	1104.0
75°	65.0	65.3	65.5	67.3	73.5	103.5	289.1	662.6	736.9	990.7	1023.6
77.5°	52.2	50.9	51.9	52.7	54.2	57.8	99.7	353.5	428.8	650.3	791.6
80°	33.9	33.4	35.5	36.2	37.8	40.1	53.2	120.0	145.7	236.6	251.8
82.5°	18.2	17.2	21.6	20.8	21.6	23.4	31.3	43.9	49.3	71.4	60.4
85°	5.7	5.7	5.9	6.9	8.5	8.2	13.6	21.6	23.9	30.6	22.6
87.5°	1.0	1.0	1.0	1.0	1.0	1.3	2.8	4.4	5.9	10.5	8.0
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°	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6	373.6
2.5°	378.7	376.4	377.7	378.5	378.2	377.7	375.1	374.6	373.3	371.3	370.8
5°	390.0	387.5	387.7	386.9	384.4	381.0	375.4	372.6	370.2	367.7	367.4
7.5°	407.8	404.9	404.2	400.6	393.4	385.7	376.7	371.5	367.7	364.3	363.8
10°	430.4	427.5	425.0	416.5	404.7	394.4	382.6	375.1	369.5	365.4	364.6
12.5°	455.5	453.2	446.8	434.5	420.3	408.3	396.2	386.9	378.7	372.6	371.8
15°	483.6	478.4	468.6	452.7	439.4	429.6	414.9	402.4	389.3	381.0	379.2
17.5°	503.1	498.7	487.1	471.7	461.2	452.7	435.5	417.5	399.8	387.7	385.1
20°	517.0	512.3	499.2	487.9	484.6	477.4	457.3	436.5	416.0	401.1	397.7
22.5°	527.0	522.1	508.7	503.1	507.7	506.4	486.9	463.3	438.8	421.1	417.0
25°	536.5	531.9	520.0	522.1	534.4	538.3	517.2	489.7	462.0	441.2	436.3
27.5°	545.5	539.6	534.2	545.5	562.9	570.1	547.8	516.7	486.6	465.3	461.5
30°	559.3	552.4	551.6	568.1	595.8	602.0	577.3	546.2	516.4	494.9	490.0
32.5°	576.8	570.4	570.9	595.6	627.7	632.8	611.8	582.7	552.9	531.3	524.7
35°	600.5	592.5	596.9	627.2	659.6	669.1	652.1	627.9	598.9	576.8	569.4
37.5°	633.1	621.5	630.5	662.4	695.0	709.1	696.0	678.0	649.3	626.9	620.0
40°	674.7	665.2	668.8	704.0	737.7	754.6	746.4	728.7	700.1	676.8	668.8
42.5°	724.0	714.5	713.2	750.8	784.4	810.1	802.1	786.0	756.4	729.7	722.0
45°	772.3	763.6	765.4	803.7	841.5	869.5	861.5	842.5	810.4	779.5	773.4
47.5°	822.7	815.5	817.1	857.6	899.3	927.3	917.3	894.1	856.6	823.7	816.3
50°	874.3	866.1	868.4	911.1	956.1	982.5	967.1	932.9	891.6	859.4	853.0
52.5°	925.7	916.0	921.9	962.2	1008.7	1029.8	1001.3	959.9	919.8	888.0	880.8
55°	984.8	974.6	968.1	1011.3	1057.3	1066.0	1027.0	978.7	931.1	894.9	890.5
57.5°	1038.8	1030.0	1018.0	1061.1	1095.1	1088.6	1046.8	973.5	903.6	857.1	851.0
60°	1087.1	1079.6	1069.1	1105.8	1121.3	1106.9	1030.8	912.6	835.8	787.2	784.4
62.5°	1131.5	1123.6	1113.8	1145.2	1143.1	1109.7	958.4	819.1	716.3	664.2	659.6
65°	1166.7	1159.5	1156.7	1181.4	1178.0	1054.5	845.6	666.0	523.4	464.5	462.7
67.5°	1176.8	1173.9	1189.1	1231.0	1178.8	943.5	663.1	441.7	281.1	225.3	222.0
70°	1139.2	1139.0	1182.4	1242.3	1071.9	720.7	391.3	199.1	141.3	125.4	123.3
72.5°	1090.4	1089.7	1124.1	1071.7	795.0	394.4	164.7	106.6	88.4	84.0	84.0
75°	1010.3	1008.2	1034.2	815.3	447.1	148.5	87.4	73.2	69.4	68.6	68.6
77.5°	823.5	806.3	765.4	503.8	156.0	73.0	57.8	57.6	55.2	55.0	55.0
80°	270.8	270.8	314.7	192.2	68.9	45.0	40.9	42.9	40.6	39.1	38.8
82.5°	44.2	60.9	86.6	55.0	37.3	28.0	25.2	26.7	28.0	22.4	22.4
85°	17.5	22.9	33.4	25.7	17.2	11.3	12.1	13.4	11.8	10.3	10.0
87.5°	6.7	8.2	11.8	6.2	3.6	2.1	1.3	1.3	1.0	1.0	1.0
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)