

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: P630053

Luminaire Tested: GWS-SA1C-830-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630053
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-SA1C-830-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3930.6 lumens
Efficiency: N/A
Efficacy: 115.3 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

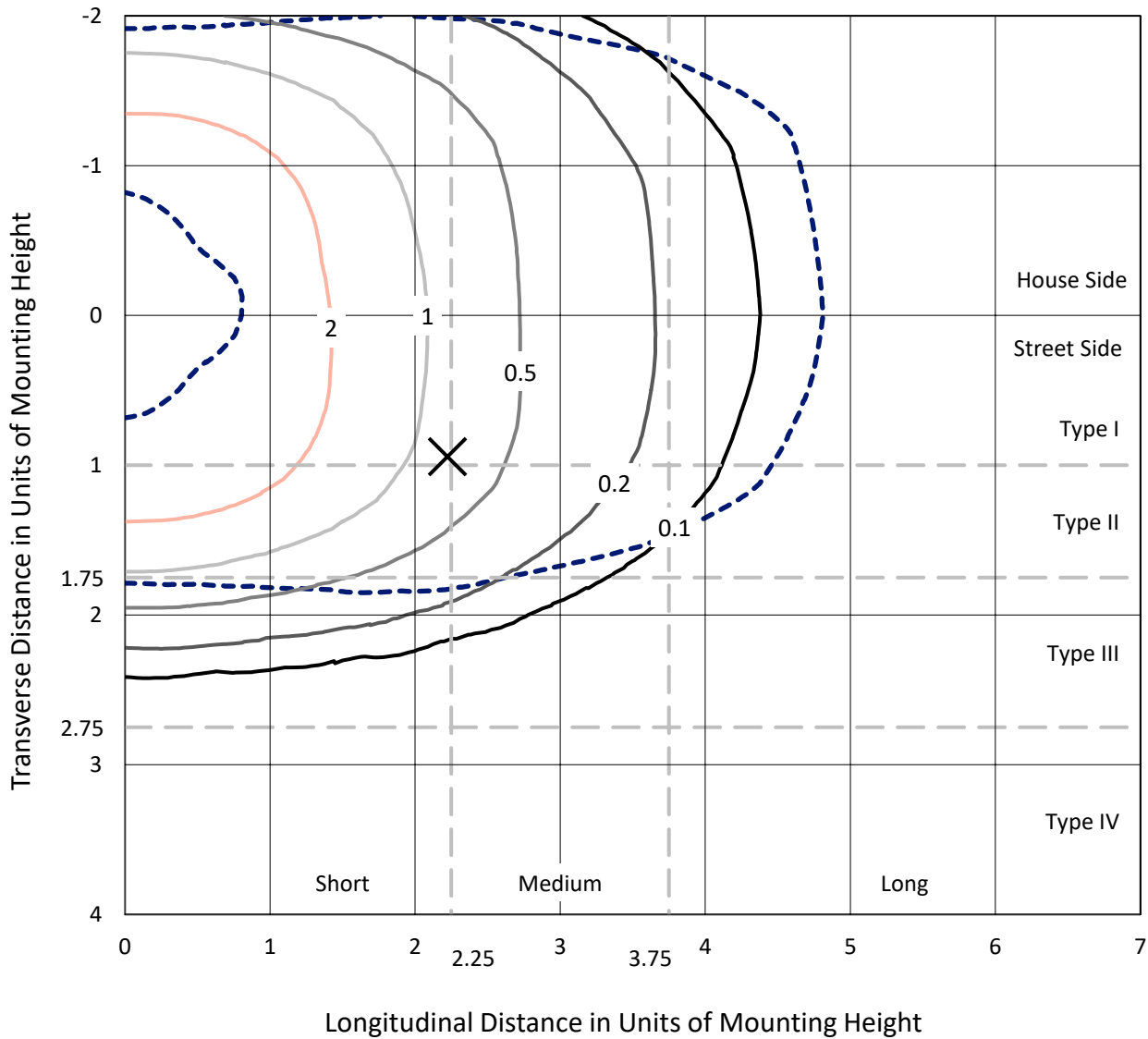
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630053
 CATALOG NUMBER: GWS-SA1C-830-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

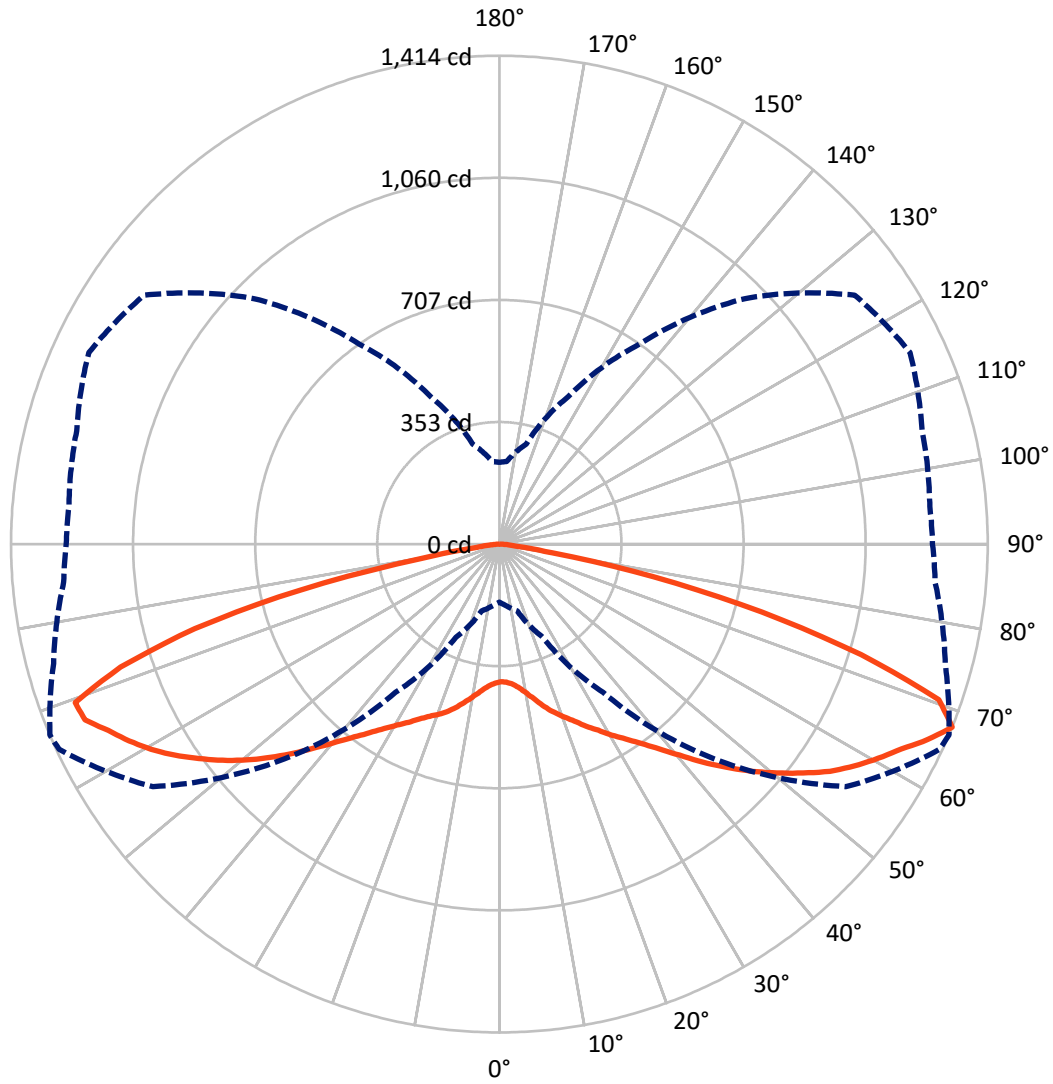
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

REPORT NUMBER: P630053
CATALOG NUMBER: GWS-SA1C-830-U-RW-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630053

CATALOG NUMBER: GWS-SA1C-830-U-RW-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.6	0.0	1943.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	1987.0	0.0	1987.0
	% Fixture	50.6	0.0	50.6
Total	Lumens	3930.6	0.0	3930.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.0
10°-20°	131.9	3.4
20°-30°	258.8	6.6
30°-40°	441.0	11.2
40°-50°	708.1	18.0
50°-60°	962.1	24.5
60°-70°	920.4	23.4
70°-80°	437.6	11.1
80°-90°	31.7	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°	3930.6	100.0
0°-180°	3930.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630053

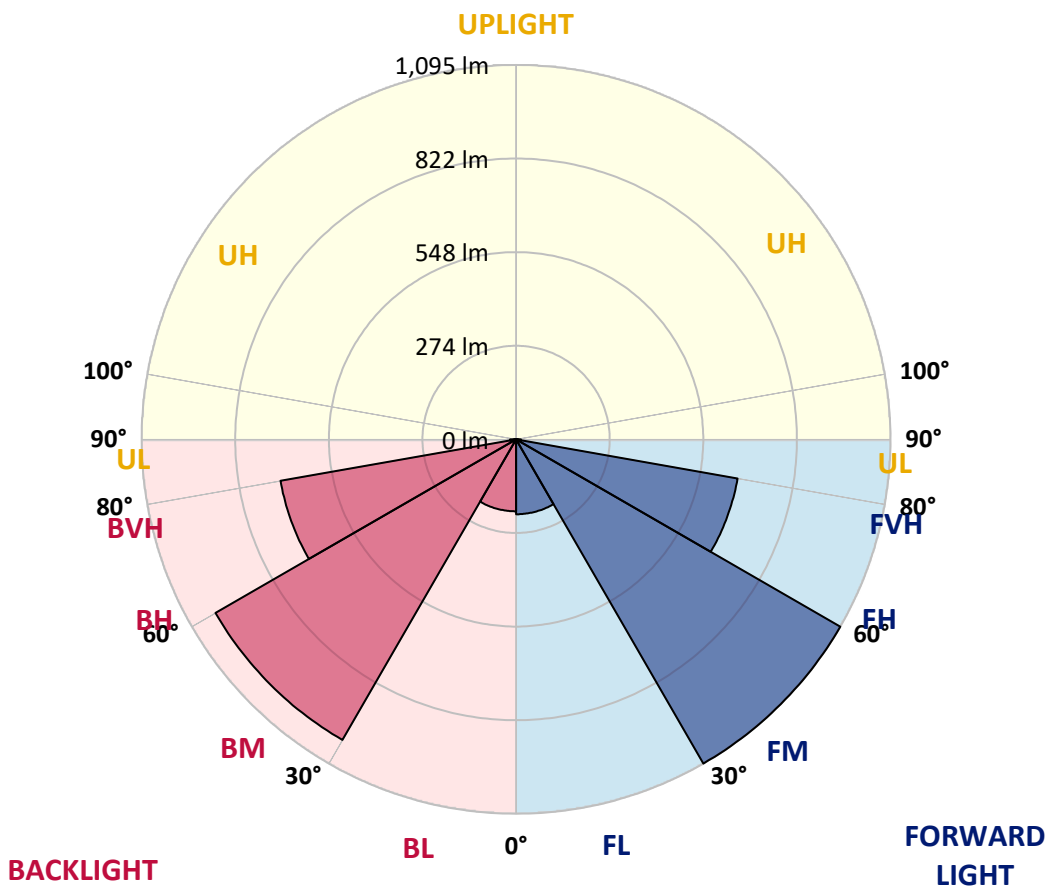
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.2	5.6			
FM (30°-60°)	1095.5	27.9			
FH (60°-80°)	658.1	16.7			G0/660
FVH (80°-90°)	14.3	0.4			G1/100
BL (0°-30°)	210.6	5.4	B1/500		
BM (30°-60°)	1015.7	25.8	B2/2500		
BH (60°-80°)	699.8	17.8	B2/1000		G2/1000
BVH (80°-90°)	17.5	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





REPORT NUMBER: P630053
 CATALOG NUMBER: GWS-SA1C-830-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
2.5°	389.8	390.3	391.2	392.8	394.4	396.9	399.4	399.1	400.2	401.0	401.8
5°	387.6	388.1	389.5	391.7	394.2	398.3	403.5	405.7	407.3	410.3	413.0
7.5°	392.2	393.3	395.3	398.3	402.1	407.3	414.4	418.3	420.7	426.2	430.8
10°	398.5	399.9	403.7	409.5	415.2	423.2	432.2	438.0	439.6	446.7	455.5
12.5°	404.6	406.2	412.5	422.9	433.3	444.0	454.7	461.8	462.3	471.9	481.8
15°	414.1	415.5	424.0	437.4	453.3	468.1	481.2	486.1	488.3	495.2	507.5
17.5°	435.2	436.9	447.8	462.3	479.0	494.6	507.8	511.9	511.9	517.6	527.7
20°	457.9	459.6	474.1	492.7	513.0	528.8	539.0	535.1	533.8	535.4	542.5
22.5°	483.4	486.4	500.4	522.0	546.9	566.3	571.5	560.0	556.2	552.4	554.0
25°	516.0	519.5	533.2	556.2	580.6	601.1	604.1	586.3	584.1	570.7	565.8
27.5°	553.5	556.2	573.2	595.9	618.6	635.9	639.1	617.2	609.9	591.2	579.7
30°	601.9	604.4	619.2	641.6	661.3	673.4	677.5	647.4	641.6	613.1	595.4
32.5°	654.7	655.8	670.9	692.5	710.0	721.5	715.8	680.8	672.3	640.2	615.9
35°	715.2	715.2	734.7	752.2	766.2	769.4	758.5	718.5	708.7	673.9	643.5
37.5°	774.6	776.3	794.3	815.2	827.5	826.9	806.9	763.1	751.9	714.1	680.5
40°	839.0	842.5	860.6	883.9	895.6	894.0	863.3	814.6	803.1	758.5	725.6
42.5°	898.1	903.8	924.9	948.7	961.6	960.5	928.5	873.7	862.5	812.1	779.3
45°	945.2	951.2	977.5	1010.6	1031.1	1029.2	996.9	935.0	921.4	868.5	832.4
47.5°	986.5	992.8	1022.1	1057.1	1089.7	1093.0	1063.4	996.9	982.4	929.0	888.2
50°	1018.3	1021.3	1054.1	1092.4	1130.2	1148.5	1122.8	1059.0	1041.5	988.7	942.7
52.5°	1015.8	1019.9	1060.4	1112.4	1163.1	1193.2	1175.4	1117.6	1100.6	1043.2	998.3
55°	965.7	969.8	1018.0	1093.8	1181.4	1225.7	1223.8	1173.5	1161.1	1098.7	1056.0
57.5°	892.6	901.6	949.5	1031.4	1157.3	1251.7	1259.4	1224.4	1211.5	1153.2	1113.2
60°	761.8	773.8	829.1	935.3	1080.1	1243.0	1297.5	1267.3	1259.4	1203.8	1165.0
62.5°	553.5	562.2	635.9	775.2	965.7	1180.6	1329.5	1311.7	1305.7	1249.3	1211.8
65°	331.5	351.5	410.6	548.3	779.0	1062.9	1312.0	1369.7	1363.4	1296.1	1251.7
67.5°	167.8	176.8	200.1	297.3	523.9	879.5	1224.1	1405.8	1413.5	1336.0	1266.0
70°	104.0	106.5	113.0	146.7	261.7	577.8	1001.0	1311.7	1349.2	1329.8	1229.0
72.5°	83.5	84.0	85.1	91.4	125.6	270.2	632.9	1027.3	1094.9	1241.9	1176.2
75°	69.3	69.5	69.8	71.7	78.3	110.3	307.9	705.9	785.0	1055.5	1090.5
77.5°	55.6	54.2	55.3	56.1	57.8	61.6	106.2	376.6	456.8	692.8	843.3
80°	36.1	35.6	37.8	38.6	40.2	42.7	56.7	127.8	155.2	252.1	268.2
82.5°	19.4	18.3	23.0	22.2	23.0	24.9	33.4	46.8	52.6	76.1	64.3
85°	6.0	6.0	6.3	7.4	9.0	8.8	14.5	23.0	25.5	32.6	24.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.4	3.0	4.7	6.3	11.2	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630053
 CATALOG NUMBER: GWS-SA1C-830-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
2.5°	403.5	401.0	402.4	403.2	402.9	402.4	399.6	399.1	397.7	395.5	395.0
5°	415.5	412.8	413.0	412.2	409.5	405.9	399.9	396.9	394.4	391.7	391.4
7.5°	434.4	431.4	430.6	426.7	419.1	410.9	401.3	395.8	391.7	388.1	387.6
10°	458.5	455.5	452.7	443.7	431.1	420.2	407.6	399.6	393.6	389.2	388.4
12.5°	485.3	482.8	476.0	462.9	447.8	434.9	422.1	412.2	403.5	396.9	396.1
15°	515.1	509.7	499.3	482.3	468.1	457.7	442.1	428.7	414.7	405.9	404.0
17.5°	536.0	531.3	519.0	502.6	491.3	482.3	464.0	444.8	425.9	413.0	410.3
20°	550.7	545.8	531.8	519.8	516.2	508.6	487.2	465.1	443.2	427.3	423.7
22.5°	561.4	556.2	542.0	536.0	540.9	539.5	518.7	493.5	467.5	448.6	444.3
25°	571.5	566.6	554.0	556.2	569.3	573.5	551.0	521.7	492.2	470.0	464.8
27.5°	581.1	574.8	569.1	581.1	599.7	607.4	583.6	550.5	518.4	495.7	491.6
30°	595.9	588.5	587.7	605.2	634.8	641.3	615.1	581.9	550.2	527.2	522.0
32.5°	614.5	607.7	608.2	634.5	668.7	674.2	651.7	620.8	589.1	566.1	558.9
35°	639.7	631.2	635.9	668.2	702.7	712.8	694.7	669.0	638.1	614.5	606.6
37.5°	674.5	662.1	671.7	705.7	740.4	755.5	741.5	722.4	691.7	667.9	660.5
40°	718.8	708.7	712.5	750.0	785.9	803.9	795.2	776.3	745.9	721.0	712.5
42.5°	771.4	761.2	759.9	799.8	835.7	863.1	854.6	837.3	805.8	777.4	769.2
45°	822.8	813.5	815.4	856.2	896.4	926.3	917.8	897.5	863.3	830.5	823.9
47.5°	876.5	868.8	870.4	913.7	958.0	987.9	977.2	952.6	912.6	877.6	869.6
50°	931.5	922.7	925.2	970.6	1018.5	1046.7	1030.3	993.9	949.8	915.6	908.8
52.5°	986.2	975.8	982.1	1025.1	1074.6	1097.1	1066.7	1022.6	979.9	946.0	938.3
55°	1049.2	1038.2	1031.4	1077.4	1126.4	1135.7	1094.1	1042.6	992.0	953.4	948.7
57.5°	1106.7	1097.4	1084.5	1130.5	1166.6	1159.8	1115.2	1037.1	962.7	913.1	906.6
60°	1158.1	1150.2	1139.0	1178.1	1194.5	1179.2	1098.2	972.3	890.4	838.7	835.7
62.5°	1205.5	1197.0	1186.6	1220.0	1217.8	1182.2	1021.0	872.6	763.1	707.6	702.7
65°	1243.0	1235.3	1232.3	1258.6	1255.0	1123.4	900.8	709.5	557.6	494.9	493.0
67.5°	1253.7	1250.6	1266.8	1311.4	1255.8	1005.1	706.5	470.5	299.5	240.1	236.5
70°	1213.7	1213.4	1259.7	1323.5	1142.0	767.8	416.9	212.1	150.5	133.6	131.4
72.5°	1161.7	1160.9	1197.5	1141.7	846.9	420.2	175.5	113.6	94.2	89.5	89.5
75°	1076.3	1074.1	1101.7	868.5	476.3	158.2	93.1	78.0	73.9	73.1	73.1
77.5°	877.3	858.9	815.4	536.8	166.2	77.7	61.6	61.3	58.9	58.6	58.6
80°	288.5	288.5	335.3	204.7	73.4	47.9	43.5	45.7	43.2	41.6	41.3
82.5°	47.1	64.9	92.2	58.6	39.7	29.8	26.8	28.5	29.8	23.8	23.8
85°	18.6	24.4	35.6	27.4	18.3	12.0	12.9	14.2	12.6	10.9	10.7
87.5°	7.1	8.8	12.6	6.6	3.8	2.2	1.4	1.4	1.1	1.1	1.1
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)