

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: P629320

Luminaire Tested: GWS-SA1B-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3593.6 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

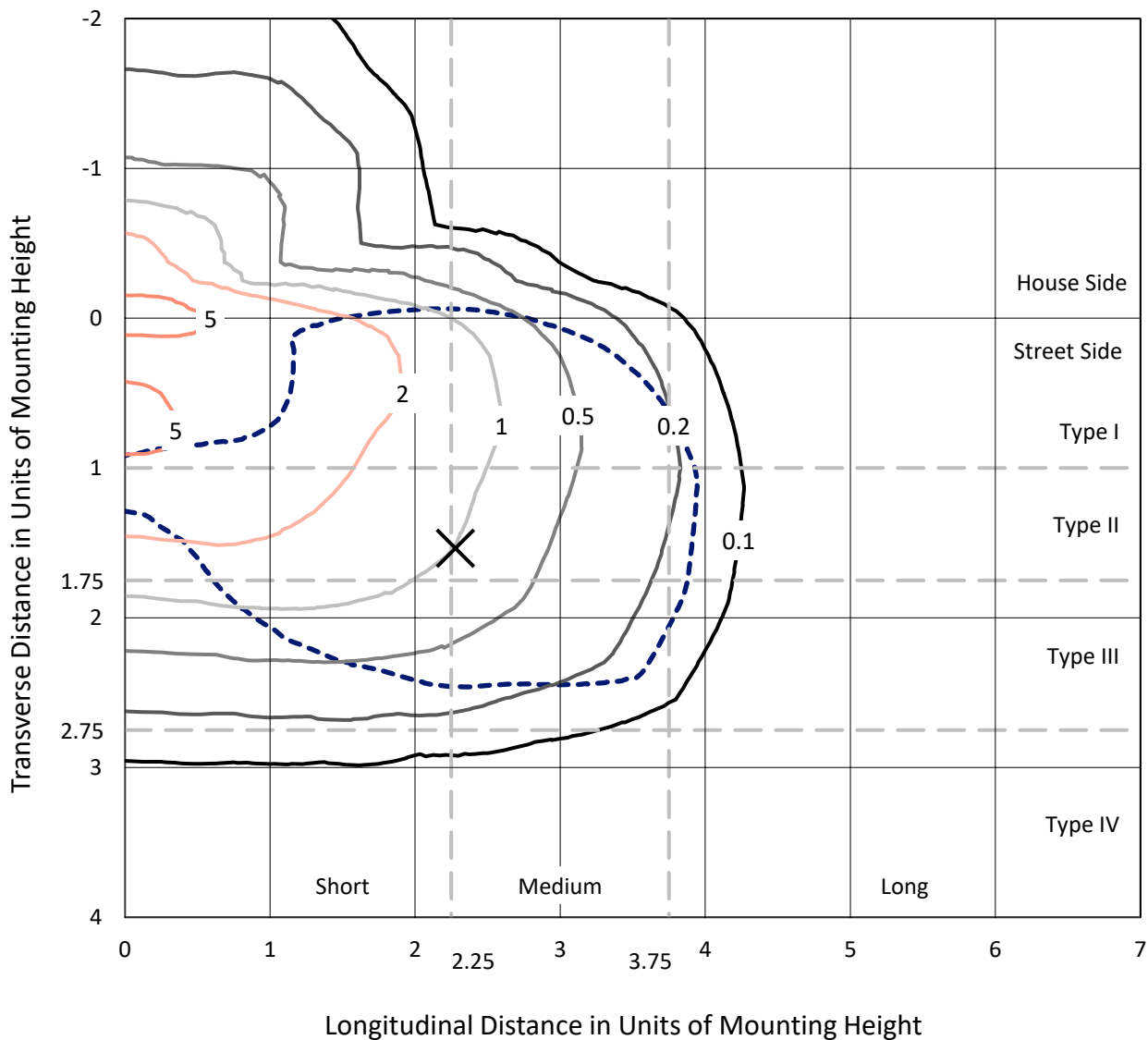
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629320
 CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

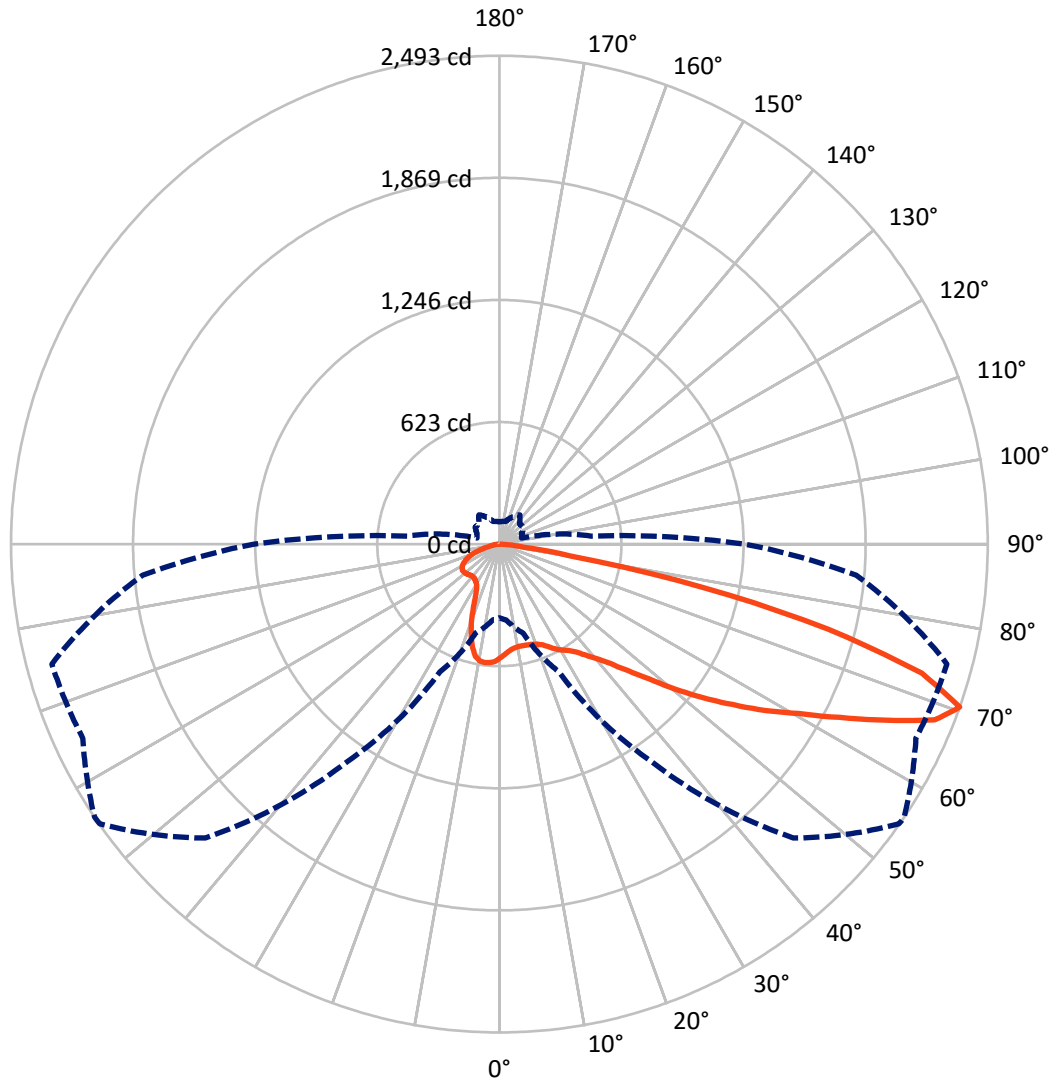
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

REPORT NUMBER: P629320
CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P629320

CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	690.9	0.0	690.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2902.7	0.0	2902.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	3593.6	0.0	3593.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	1.5
10°-20°	145.4	4.0
20°-30°	240.5	6.7
30°-40°	359.5	10.0
40°-50°	535.0	14.9
50°-60°	760.6	21.2
60°-70°	942.1	26.2
70°-80°	520.2	14.5
80°-90°	36.6	1.0
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°	3593.6	100.0
0°-180°	3593.6	100.0

Coefficient of Utilization



REPORT NUMBER: P629320

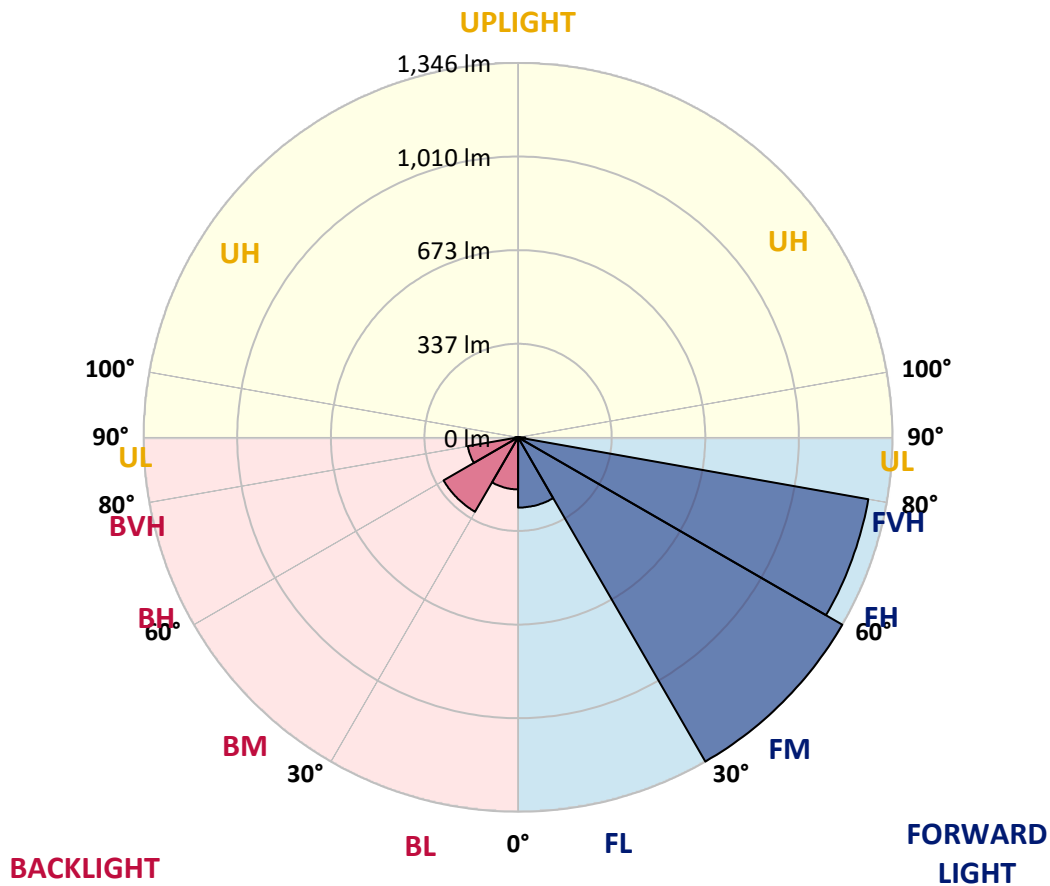
CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.6	7.0			
FM (30°-60°)	1346.1	37.5			
FH (60°-80°)	1278.6	35.6			G1/1800
FVH (80°-90°)	25.5	0.7			G1/100
BL (0°-30°)	187.0	5.2	B1/500		
BM (30°-60°)	309.0	8.6	B1/1000		
BH (60°-80°)	183.6	5.1	B1/500		G1/500
BVH (80°-90°)	11.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





REPORT NUMBER: P629320
 CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1
2.5°	542.8	539.8	543.3	545.1	549.7	556.2	562.1	562.3	565.4	572.7	579.8
5°	518.2	516.7	517.7	523.0	527.9	536.2	545.1	545.9	554.5	568.9	583.1
7.5°	499.2	497.2	501.0	507.8	513.9	523.3	535.0	536.0	548.1	569.9	591.7
10°	471.9	470.3	477.4	486.6	499.7	515.2	530.6	531.9	547.9	576.5	606.9
12.5°	459.9	459.9	463.0	471.6	486.0	506.6	529.9	531.9	551.9	586.7	626.4
15°	478.4	479.7	477.2	476.7	482.5	502.0	530.9	533.9	559.5	597.0	645.7
17.5°	515.7	517.0	510.4	500.0	494.2	506.3	534.7	538.0	567.6	608.4	666.5
20°	567.9	569.4	555.0	539.0	519.0	518.7	542.1	545.1	578.0	620.9	688.5
22.5°	629.0	630.0	611.7	586.4	555.7	541.8	554.7	557.8	591.5	638.1	712.3
25°	699.7	702.7	680.7	643.9	602.4	573.5	575.8	579.3	615.5	661.2	740.5
27.5°	775.2	779.0	753.7	713.1	655.8	608.4	602.9	605.9	641.1	675.3	755.4
30°	852.5	855.3	829.9	783.6	713.4	648.0	625.7	627.5	652.3	682.2	770.6
32.5°	938.4	936.1	911.8	858.3	779.8	695.4	647.0	646.5	664.7	695.9	792.4
35°	1019.0	1022.3	996.4	937.4	852.7	753.9	678.9	676.9	691.1	718.2	823.1
37.5°	1116.5	1115.5	1084.6	1020.7	926.0	809.9	723.7	720.2	725.3	752.9	865.9
40°	1186.2	1193.3	1173.3	1113.8	1011.6	878.8	776.2	768.3	769.6	795.7	923.2
42.5°	1243.2	1249.8	1251.9	1213.8	1109.7	964.0	841.6	833.7	834.5	871.5	993.6
45°	1287.1	1296.0	1324.6	1313.4	1220.2	1062.3	930.0	921.9	922.4	963.5	1078.8
47.5°	1305.1	1314.7	1372.7	1399.3	1337.5	1179.9	1040.0	1028.1	1029.9	1075.2	1176.1
50°	1299.2	1312.2	1390.7	1465.5	1435.8	1299.5	1171.5	1163.2	1156.3	1222.2	1281.8
52.5°	1249.1	1263.3	1389.0	1507.6	1516.2	1412.5	1307.4	1302.5	1301.0	1378.3	1399.9
55°	1101.3	1125.2	1327.9	1518.7	1579.0	1519.0	1454.6	1446.5	1454.3	1545.6	1519.2
57.5°	1019.5	1037.2	1208.3	1506.3	1630.5	1620.3	1601.6	1602.3	1611.2	1727.3	1663.9
60°	972.9	993.6	1141.9	1472.3	1679.9	1743.5	1755.4	1755.4	1771.4	1923.2	1810.9
62.5°	911.0	932.1	1079.8	1406.9	1725.5	1888.4	1948.7	1948.0	1954.3	2133.2	1954.6
65°	785.6	805.1	955.1	1303.8	1747.8	2048.1	2168.5	2166.2	2153.5	2320.2	2049.6
67.5°	570.4	588.9	731.6	1107.7	1667.5	2176.8	2394.8	2395.8	2320.0	2438.1	2054.7
70°	376.1	388.7	470.3	719.4	1356.0	2121.3	2489.5	2492.6	2345.6	2364.6	1828.6
72.5°	234.7	243.5	293.7	429.0	801.3	1679.1	2246.3	2254.6	2110.2	2078.0	1502.5
75°	155.8	161.9	195.4	250.1	370.7	908.7	1707.5	1734.4	1691.3	1628.9	1046.8
77.5°	93.8	98.8	124.4	158.9	164.2	355.0	996.7	1066.1	1072.2	850.5	438.4
80°	42.8	48.7	68.7	90.7	87.4	123.7	351.5	367.7	433.8	270.1	138.4
82.5°	25.3	27.9	45.6	45.1	37.3	60.1	126.5	129.7	110.2	98.8	59.0
85°	10.1	11.9	19.3	17.0	13.7	19.5	47.6	49.9	47.9	43.1	21.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	4.3	4.6	6.6	11.9	6.6
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: P629320
 CATALOG NUMBER: GWS-SA1B-735-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1	580.1
2.5°	584.4	582.8	590.5	596.3	598.8	601.3	599.1	598.3	598.3	593.2	590.7
5°	590.7	591.5	601.9	606.7	606.7	604.6	598.6	594.3	592.7	586.1	584.4
7.5°	602.6	605.9	615.5	615.3	608.2	597.0	581.8	570.2	559.5	555.0	552.2
10°	622.1	626.4	633.0	622.4	602.6	573.2	541.0	515.7	500.5	488.3	488.3
12.5°	644.4	648.5	647.2	622.6	581.8	526.8	480.5	451.3	430.0	418.9	418.9
15°	666.7	670.0	656.3	611.0	538.5	465.3	414.6	379.6	361.1	350.7	350.7
17.5°	689.3	689.0	660.1	584.1	482.0	397.1	347.4	320.3	314.0	312.2	312.0
20°	711.1	705.2	655.3	539.3	416.4	328.4	297.0	298.8	308.2	312.2	312.7
22.5°	735.7	721.2	641.1	482.0	341.9	280.8	282.8	297.5	311.2	317.3	318.0
25°	760.7	734.9	617.3	414.8	279.5	263.3	279.0	295.5	310.9	318.8	319.6
27.5°	770.9	734.9	576.8	337.0	246.3	255.9	273.2	289.1	305.4	314.5	316.3
30°	779.2	728.6	520.0	266.8	232.6	248.9	263.8	278.5	294.5	305.6	307.6
32.5°	790.9	723.0	451.3	224.3	226.3	242.0	252.4	264.8	279.3	286.6	285.8
35°	804.6	714.4	368.5	204.0	221.0	236.2	243.5	250.9	244.3	244.0	244.8
37.5°	824.1	706.8	296.2	194.9	217.4	232.1	238.2	222.5	213.4	209.6	208.1
40°	852.2	703.7	233.6	189.6	216.9	231.9	227.6	203.2	190.8	177.6	177.4
42.5°	887.7	701.4	193.1	187.0	218.7	237.7	212.9	190.6	165.0	159.1	158.6
45°	933.3	697.9	172.8	186.5	223.0	242.3	211.3	173.1	155.6	153.1	153.1
47.5°	988.3	692.3	163.7	186.5	227.8	240.2	206.8	169.3	151.3	154.1	155.8
50°	1051.4	685.2	158.9	186.0	232.6	240.2	197.2	168.5	150.3	164.7	170.5
52.5°	1118.8	677.1	155.6	184.0	235.9	240.5	197.7	171.1	151.3	167.3	172.1
55°	1193.3	675.9	151.0	179.7	236.9	233.9	198.9	176.6	152.8	151.5	151.8
57.5°	1287.3	691.1	147.7	173.3	232.9	220.5	201.5	180.7	151.0	151.3	153.1
60°	1385.7	719.7	150.5	167.3	224.5	207.8	203.2	178.7	142.4	138.4	138.9
62.5°	1469.3	741.5	152.8	164.5	212.4	196.6	201.5	174.1	137.6	136.6	138.9
65°	1504.3	723.5	147.2	158.6	194.6	183.0	197.7	168.3	133.5	129.7	130.0
67.5°	1465.5	639.1	136.3	145.7	174.6	165.5	191.6	160.7	128.0	123.4	122.4
70°	1251.9	469.6	117.6	125.2	150.3	145.0	182.2	150.8	119.1	115.8	113.5
72.5°	1008.8	332.5	97.6	99.6	117.8	122.1	166.0	138.4	109.0	99.6	96.3
75°	702.2	208.8	81.3	79.3	85.1	93.3	129.5	114.8	94.0	84.1	81.1
77.5°	302.1	107.2	63.6	62.6	56.8	64.6	99.3	95.8	78.8	67.4	65.6
80°	101.1	62.1	45.9	44.1	37.8	45.4	69.9	76.5	61.8	49.9	46.9
82.5°	50.7	36.0	29.1	26.4	25.3	28.6	41.3	47.6	42.8	34.5	29.1
85°	24.8	20.5	16.0	15.7	13.2	12.4	17.2	20.3	19.3	14.2	13.4
87.5°	9.1	8.1	5.1	4.1	2.5	1.8	1.0	1.0	0.8	0.8	0.8
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)