

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: P629418

Luminaire Tested: GWS-SA1B-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3637.4 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

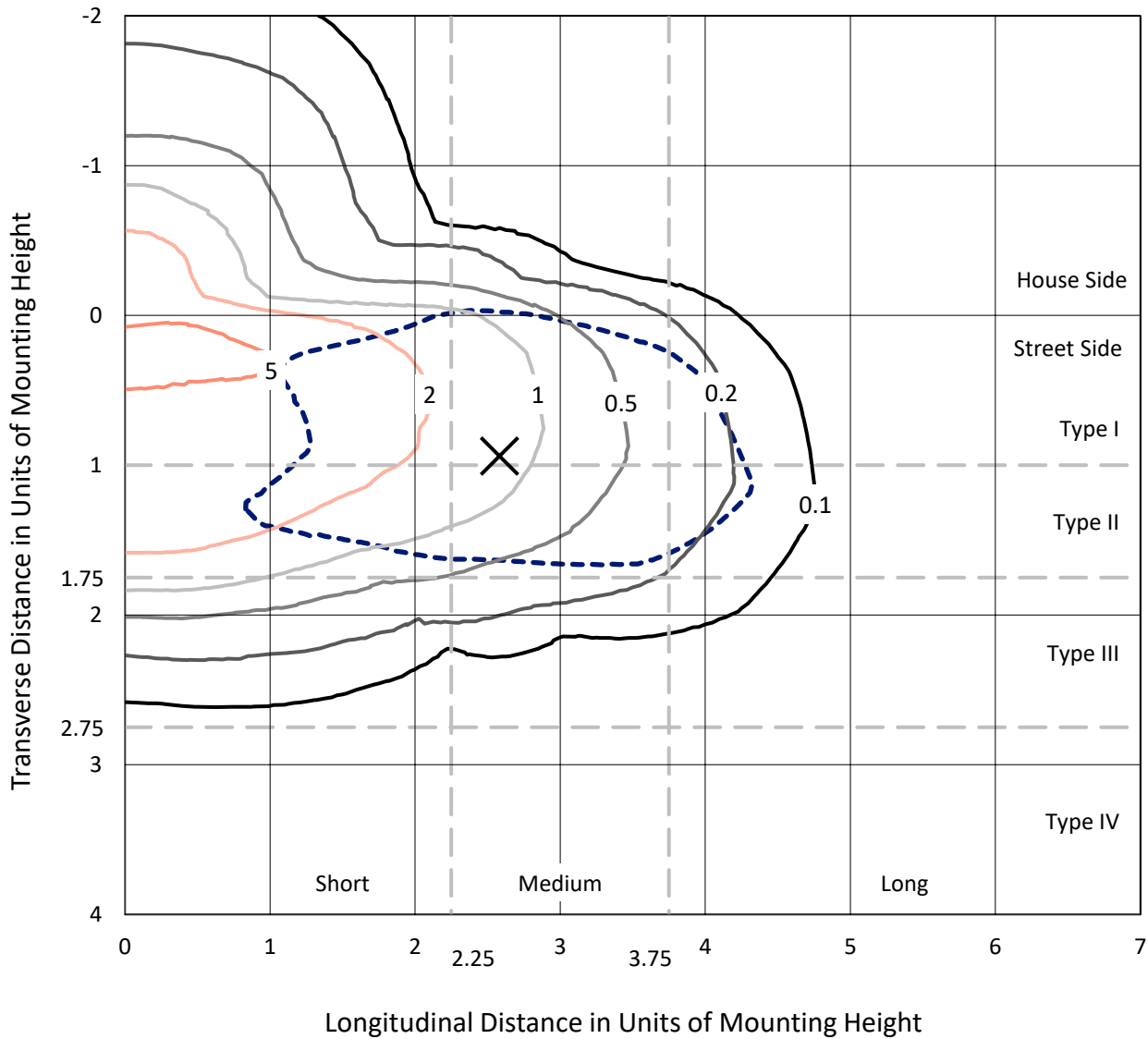
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

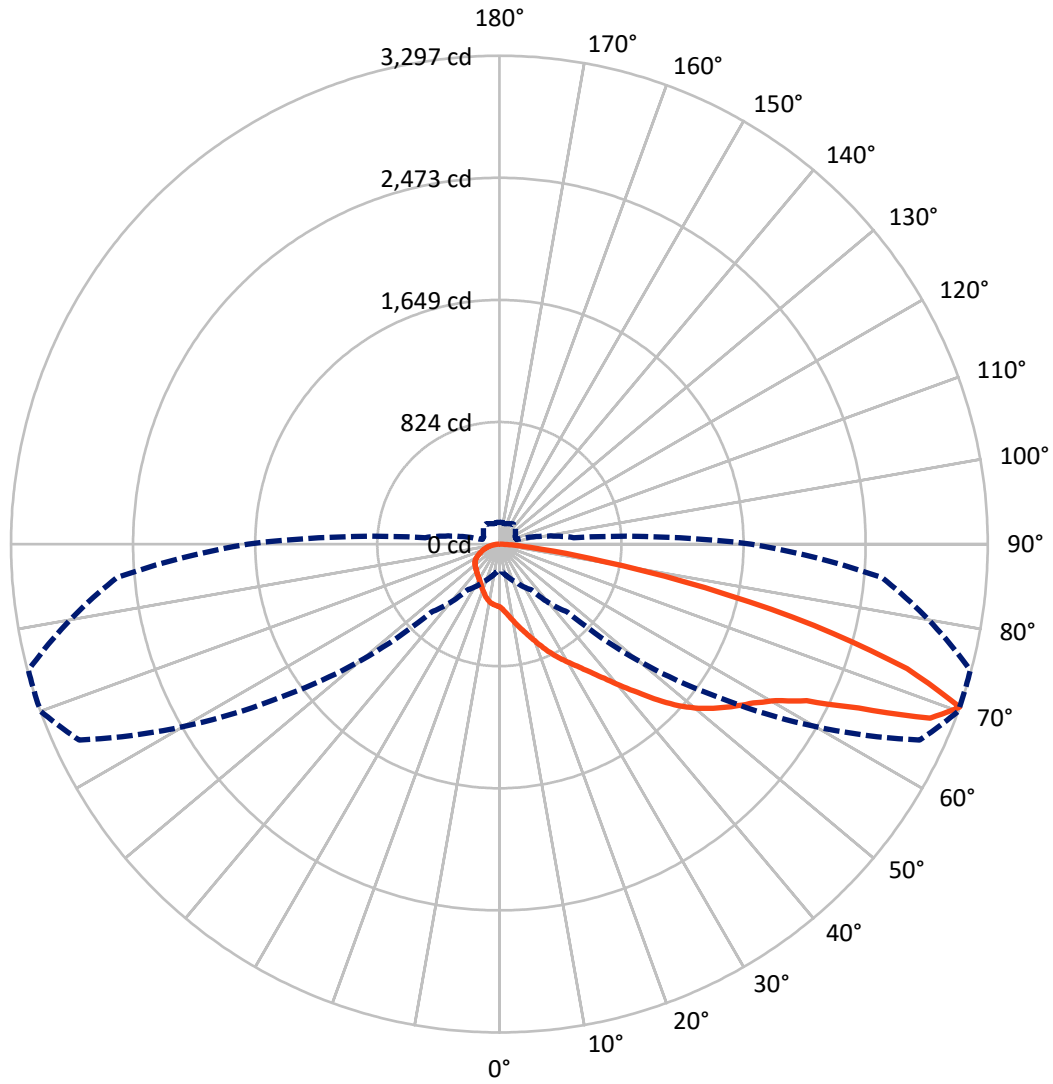
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.8	0.0	651.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	2985.6	0.0	2985.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	3637.4	0.0	3637.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	1.2
10°-20°	140.3	3.9
20°-30°	248.5	6.8
30°-40°	373.9	10.3
40°-50°	565.7	15.6
50°-60°	810.4	22.3
60°-70°	895.8	24.6
70°-80°	505.5	13.9
80°-90°	54.1	1.5
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°	3637.4	100.0
0°-180°	3637.4	100.0

Coefficient of Utilization



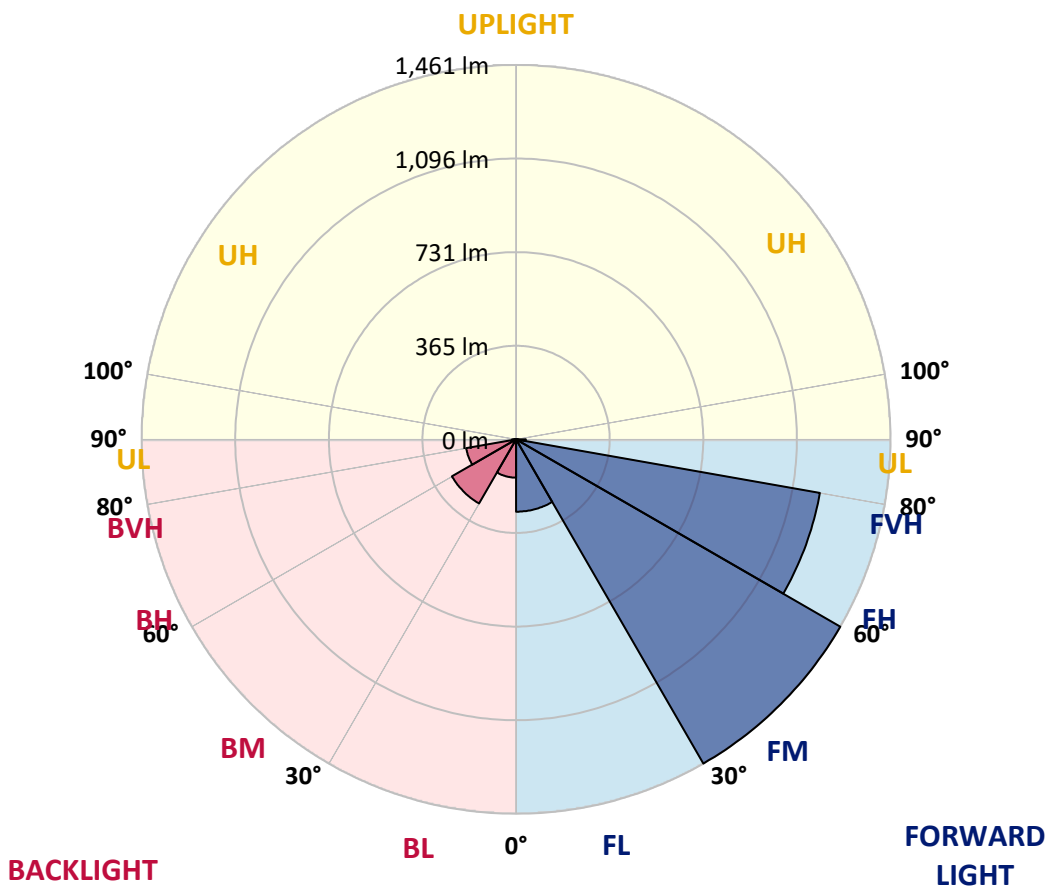
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.4	7.8			
FM (30°-60°)	1461.1	40.2			
FH (60°-80°)	1203.8	33.1			G1/1800
FVH (80°-90°)	38.2	1.1			G1/100
BL (0°-30°)	149.5	4.1	B1/500		
BM (30°-60°)	289.0	7.9	B1/1000		
BH (60°-80°)	197.6	5.4	B1/500		G1/500
BVH (80°-90°)	15.8	0.4			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2
2.5°	469.9	469.1	469.7	469.1	466.2	459.2	453.4	446.0	441.0	438.1	431.3
5°	525.1	524.3	522.5	519.9	514.6	504.9	490.4	474.4	464.7	457.3	442.9
7.5°	564.8	564.8	564.5	561.4	557.7	547.5	530.4	509.4	495.2	482.5	458.9
10°	585.0	586.4	588.2	592.7	591.9	586.4	570.3	547.7	529.9	515.1	479.9
12.5°	596.1	596.9	600.0	609.2	618.7	620.0	610.5	586.9	567.4	547.7	503.3
15°	610.3	610.5	614.7	625.8	639.7	653.6	651.3	627.6	607.6	585.8	529.3
17.5°	621.3	623.2	630.8	643.7	661.0	680.2	691.7	677.0	652.3	627.4	557.7
20°	625.3	626.6	636.6	656.3	679.9	707.0	732.8	728.8	703.8	674.4	589.8
22.5°	639.4	639.4	646.8	663.4	691.2	730.6	772.4	782.7	760.6	726.2	624.2
25°	670.7	669.7	673.1	679.9	700.9	749.6	811.6	842.3	817.6	779.0	658.6
27.5°	713.6	713.0	712.8	713.8	720.9	766.1	844.7	898.1	873.4	829.7	689.4
30°	760.1	758.5	761.9	758.8	757.2	785.8	872.8	948.0	928.8	879.9	714.9
32.5°	823.4	820.5	819.7	809.5	803.2	816.6	895.4	1004.8	989.5	934.1	743.5
35°	907.0	904.4	891.0	874.7	856.0	862.3	923.6	1060.2	1061.3	1001.9	781.1
37.5°	991.4	991.9	981.4	943.0	923.8	920.1	966.4	1127.8	1150.4	1082.8	829.7
40°	1061.5	1064.7	1064.7	1024.2	995.6	992.2	1026.6	1207.9	1252.9	1182.2	891.2
42.5°	1114.9	1117.8	1127.0	1097.8	1067.6	1079.4	1099.7	1288.4	1369.0	1304.9	969.0
45°	1173.5	1175.9	1180.9	1164.0	1146.4	1178.0	1182.4	1384.6	1502.0	1442.6	1059.4
47.5°	1251.3	1249.2	1249.7	1237.4	1223.7	1274.7	1273.6	1465.5	1630.6	1593.5	1157.5
50°	1348.0	1352.0	1348.3	1323.8	1307.8	1354.3	1360.4	1555.1	1743.6	1742.8	1256.3
52.5°	1441.1	1442.6	1462.1	1463.1	1430.3	1420.6	1436.3	1645.5	1839.0	1879.4	1351.2
55°	1445.8	1451.8	1510.2	1552.2	1605.3	1527.3	1513.1	1731.7	1931.2	2013.2	1449.7
57.5°	1345.1	1354.9	1453.9	1544.6	1692.3	1710.5	1644.5	1843.2	2023.5	2144.9	1563.8
60°	1130.1	1150.4	1284.9	1423.7	1653.2	1842.1	1913.4	1994.6	2144.6	2279.5	1702.3
62.5°	721.7	729.6	918.3	1150.6	1476.8	1829.2	2206.1	2261.3	2329.1	2454.8	1915.7
65°	361.4	386.6	497.3	686.8	1065.0	1611.9	2354.1	2749.9	2666.9	2754.9	2261.6
67.5°	245.2	253.4	309.3	412.6	624.5	1142.0	2262.4	3161.5	3137.1	3151.5	2630.3
70°	180.8	186.1	230.2	292.3	377.7	648.4	1801.1	3130.5	3297.4	3292.1	2591.7
72.5°	131.9	134.6	167.9	223.1	279.9	335.4	1099.9	2528.9	2878.4	3030.1	2266.6
75°	95.9	99.1	116.7	166.9	217.6	209.2	543.0	1826.6	2195.1	2486.8	1846.6
77.5°	71.5	75.4	83.6	104.6	152.4	149.8	234.7	1186.1	1419.8	1624.2	1121.7
80°	51.5	52.3	57.0	67.0	96.7	87.8	111.7	618.4	709.1	776.9	439.7
82.5°	31.3	32.1	38.1	41.3	59.9	55.2	58.1	200.3	287.0	304.6	164.3
85°	9.2	9.7	17.3	18.9	25.0	23.7	23.4	81.5	97.2	124.3	64.7
87.5°	0.0	0.0	0.0	0.0	0.3	1.6	2.9	14.5	21.8	30.2	15.8
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°	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2
2.5°	428.7	422.6	419.5	413.9	410.0	406.1	402.1	398.4	396.9	394.5	395.0
5°	436.3	426.8	417.4	406.6	397.4	389.8	382.9	376.9	374.3	371.9	372.9
7.5°	447.9	433.7	415.5	395.8	381.4	370.8	363.7	359.5	358.2	356.4	356.4
10°	462.6	441.3	409.5	381.4	364.0	355.6	352.4	352.2	353.5	353.8	353.2
12.5°	478.9	448.6	400.5	364.3	349.6	346.9	349.3	353.8	358.2	360.6	360.1
15°	495.7	453.4	385.3	348.0	339.0	342.5	350.1	359.0	367.7	372.2	371.9
17.5°	511.5	454.4	365.6	332.2	329.8	338.5	351.7	365.6	377.4	383.7	384.0
20°	529.1	452.6	345.3	318.0	320.6	334.8	352.2	369.0	382.9	389.2	390.8
22.5°	545.1	446.3	325.6	304.6	312.8	330.4	348.0	363.7	376.1	382.1	384.2
25°	559.5	434.2	304.1	293.3	306.7	324.1	337.5	348.5	357.2	360.9	363.7
27.5°	567.4	416.0	287.8	284.4	300.9	315.1	322.5	325.9	328.8	327.7	329.8
30°	569.0	393.4	273.6	277.3	292.3	302.8	304.3	300.9	295.9	287.8	289.6
32.5°	567.4	367.4	261.8	269.7	282.5	288.8	286.7	277.8	265.7	253.1	253.9
35°	568.0	341.1	252.0	261.2	271.2	274.6	269.4	257.0	244.2	232.6	232.1
37.5°	573.7	319.1	243.9	253.1	260.2	260.7	254.9	242.1	235.5	226.8	225.8
40°	589.8	302.8	236.5	245.0	249.4	249.2	242.6	233.4	237.9	235.0	234.2
42.5°	616.1	292.8	230.5	236.3	239.4	240.0	234.7	228.9	238.6	235.0	233.6
45°	658.4	292.3	226.3	227.6	232.6	236.3	232.6	226.0	229.7	211.8	208.4
47.5°	708.6	301.2	223.1	220.0	228.7	235.2	229.4	218.9	211.3	195.0	192.6
50°	769.0	319.3	220.2	211.8	222.9	231.3	225.5	211.0	199.5	190.8	189.5
52.5°	840.8	343.2	216.6	202.6	214.2	229.2	225.5	210.3	195.0	187.1	185.8
55°	915.9	370.8	212.4	191.6	204.5	229.7	227.3	204.7	191.6	187.4	186.3
57.5°	1009.2	404.0	204.7	178.7	195.8	225.0	220.0	201.6	189.2	185.8	184.8
60°	1130.4	453.1	190.3	165.6	185.8	216.6	213.4	196.3	182.9	180.0	179.2
62.5°	1322.3	536.4	172.7	153.0	174.0	199.0	203.7	186.3	175.0	174.8	174.5
65°	1635.0	636.6	151.9	141.7	161.6	184.5	190.8	176.1	166.9	169.8	169.5
67.5°	1854.2	645.2	134.8	129.8	147.2	168.7	177.9	165.6	155.6	161.1	160.8
70°	1698.4	503.3	120.1	117.5	131.7	151.6	164.0	152.4	142.5	147.7	146.7
72.5°	1432.4	385.8	106.2	104.6	115.9	133.8	146.1	139.3	128.8	128.8	126.4
75°	1151.2	318.3	91.5	90.7	98.3	115.6	129.6	118.0	108.3	107.8	106.2
77.5°	660.2	208.7	76.7	76.2	78.6	96.7	100.7	98.3	90.9	87.5	86.5
80°	263.1	108.5	60.4	57.0	59.4	71.0	79.4	75.4	69.1	64.9	62.6
82.5°	102.0	54.4	42.6	37.3	40.7	51.3	57.6	56.2	52.0	42.6	39.9
85°	41.5	26.5	25.5	21.6	23.7	27.6	33.1	28.6	23.7	16.8	16.0
87.5°	11.0	9.7	9.5	5.8	4.5	1.3	0.3	0.0	0.0	0.0	0.0
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)