

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: P628907

Luminaire Tested: GWS-SA1A-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2356 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

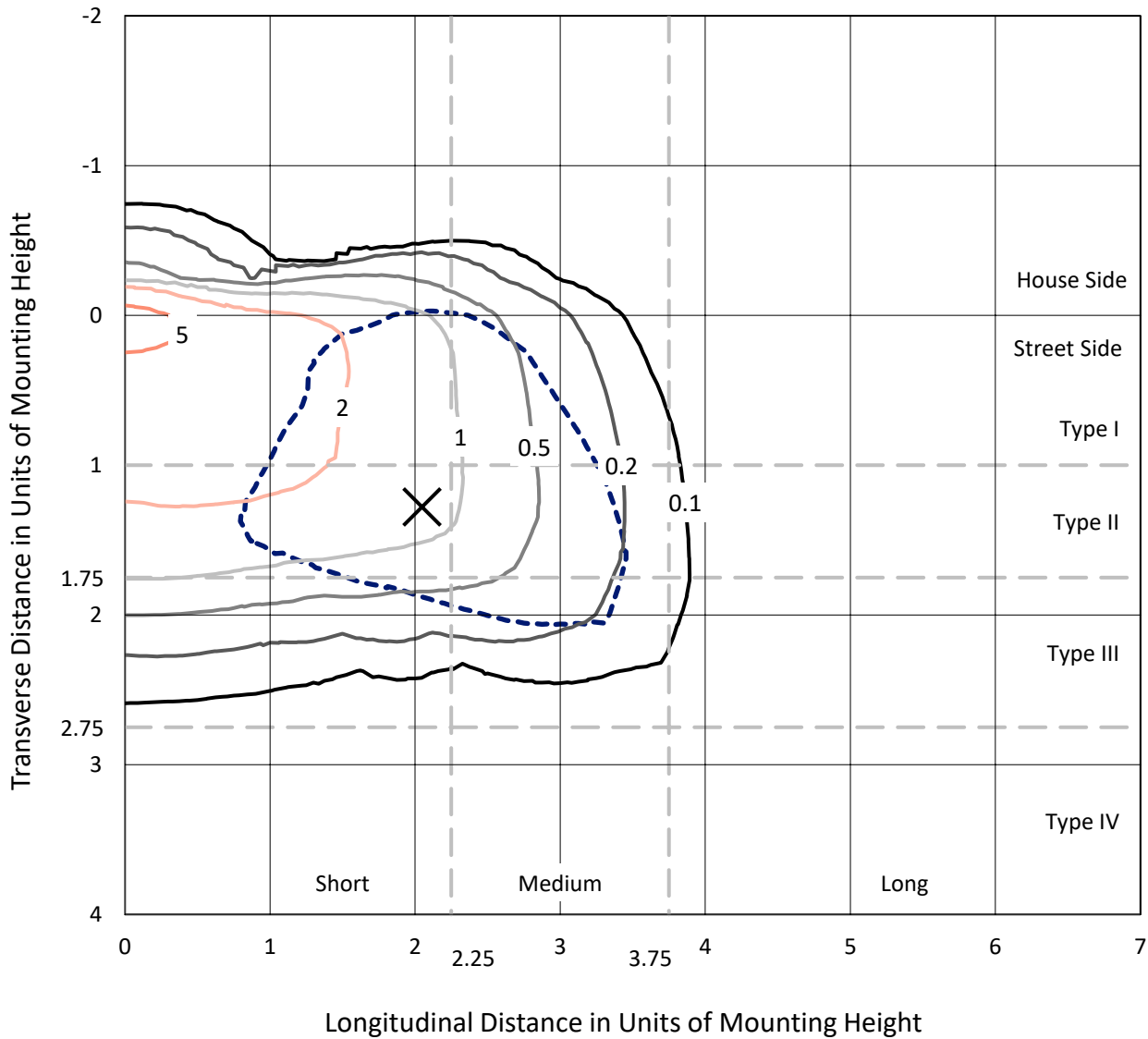
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

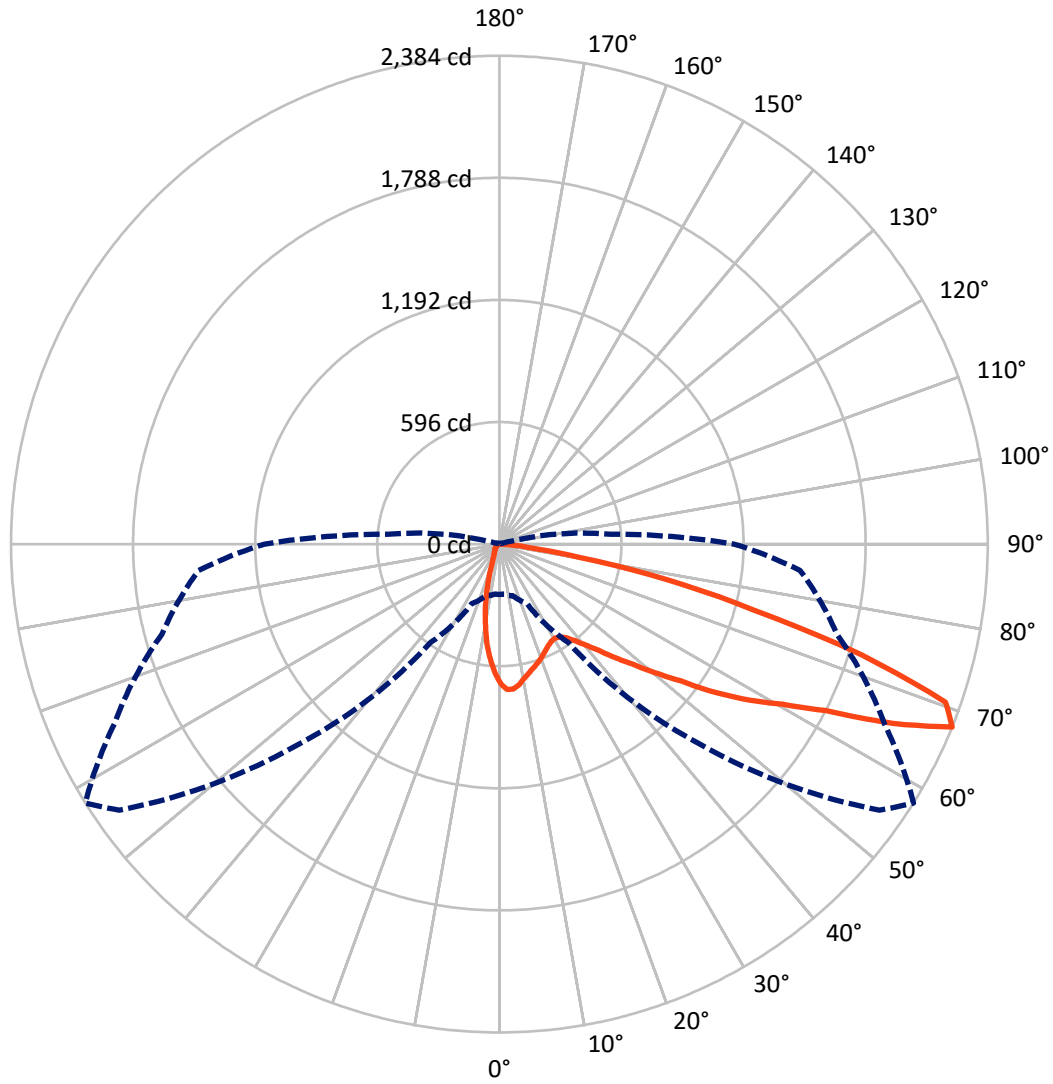
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	230.2	0.0	230.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2125.8	0.0	2125.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	2356.0	0.0	2356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	2.3
10°-20°	115.0	4.9
20°-30°	155.0	6.6
30°-40°	217.8	9.2
40°-50°	336.4	14.3
50°-60°	538.0	22.8
60°-70°	637.0	27.0
70°-80°	281.8	12.0
80°-90°	19.7	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°	2356.0	100.0
0°-180°	2356.0	100.0

Coefficient of Utilization



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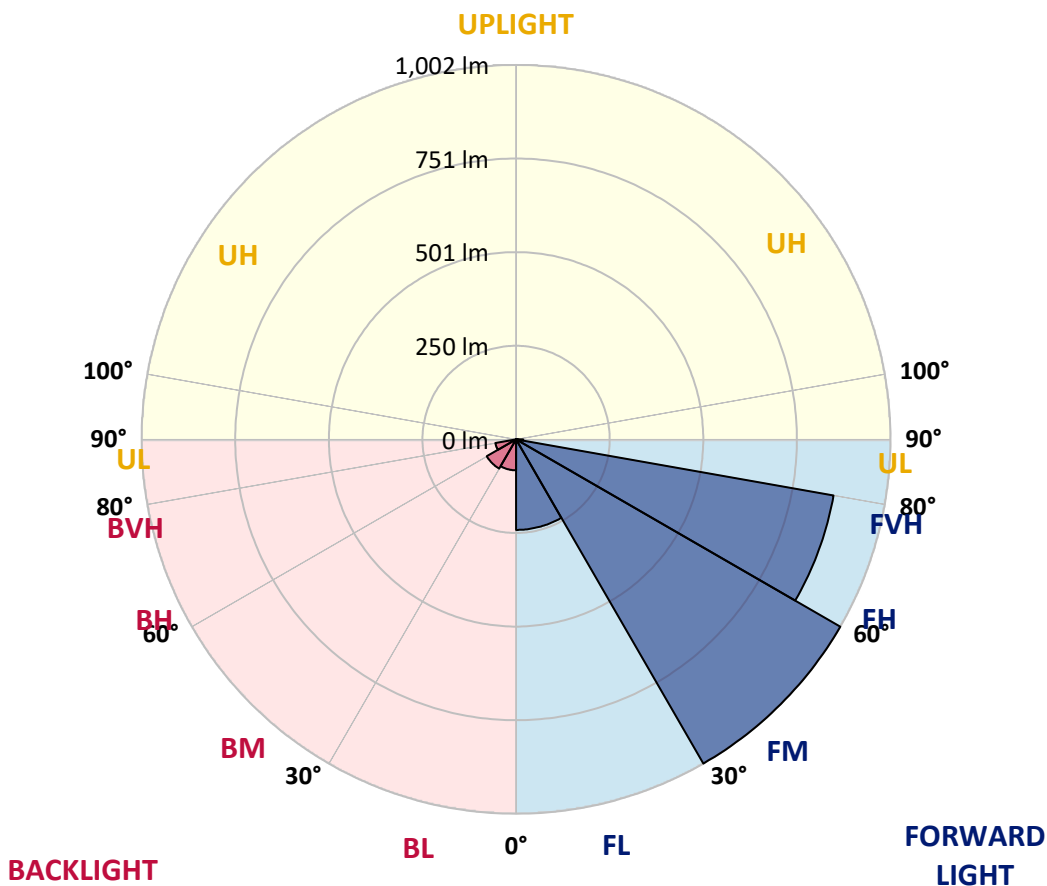
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.4	10.3			
FM (30°-60°)	1002.0	42.5			
FH (60°-80°)	862.6	36.6			G1/1800
FVH (80°-90°)	18.9	0.8			G1/100
BL (0°-30°)	82.8	3.5	B0/110		
BM (30°-60°)	90.3	3.8	B0/220		
BH (60°-80°)	56.2	2.4	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	714.8	716.1	717.7	719.8	719.4	717.5	715.2	710.0	706.7	696.3	683.5
5°	691.9	691.7	695.8	699.8	706.9	710.7	715.9	711.1	709.4	696.9	676.2
7.5°	647.1	649.3	654.1	660.4	670.6	681.7	694.2	692.7	697.7	689.4	663.7
10°	603.1	601.8	609.3	618.7	634.3	648.5	666.7	666.4	679.6	678.7	649.6
12.5°	564.5	564.3	570.1	580.7	599.1	618.9	643.5	644.1	660.4	667.1	637.5
15°	531.9	532.4	538.0	549.0	568.0	592.2	620.8	626.0	644.3	657.9	625.6
17.5°	508.8	509.0	512.3	521.9	540.5	566.4	600.8	607.8	631.4	651.0	616.0
20°	498.2	497.3	498.0	502.8	517.1	540.7	580.3	589.5	619.5	646.2	607.2
22.5°	499.6	498.4	495.5	494.8	501.3	519.2	558.6	569.9	606.6	643.3	599.3
25°	512.6	509.8	505.7	499.4	496.9	505.9	539.7	551.3	594.5	643.5	593.3
27.5°	532.4	529.4	524.2	515.9	506.1	502.3	526.7	537.8	586.0	648.3	590.3
30°	557.6	555.3	550.3	540.3	527.1	511.7	524.0	533.2	581.8	658.1	591.6
32.5°	587.4	585.7	581.6	572.4	557.4	533.8	533.2	540.3	585.1	672.3	596.4
35°	616.2	616.8	617.0	612.0	596.0	567.4	558.4	560.9	598.9	693.6	607.2
37.5°	647.3	645.8	653.3	656.9	641.4	611.0	597.4	597.6	625.2	725.0	627.7
40°	670.8	671.2	687.5	702.1	695.6	666.2	646.8	646.6	665.6	768.2	660.6
42.5°	692.9	695.6	719.6	744.6	753.6	727.5	713.6	708.4	722.3	826.6	710.0
45°	716.5	720.5	754.0	789.7	813.2	797.8	786.8	788.8	790.5	894.6	776.5
47.5°	744.0	746.5	788.0	838.3	882.3	878.3	878.9	876.4	875.6	980.3	864.5
50°	777.4	783.2	831.0	891.0	951.1	977.4	986.1	987.2	973.6	1073.7	955.7
52.5°	848.3	855.4	896.2	948.8	1026.1	1081.4	1117.1	1110.0	1089.1	1164.2	1055.6
55°	931.9	937.3	976.7	1031.2	1117.9	1195.5	1280.1	1277.2	1226.1	1259.5	1137.7
57.5°	939.8	945.9	1007.0	1090.4	1235.7	1336.4	1425.5	1434.9	1360.0	1327.0	1211.1
60°	850.8	863.1	946.5	1058.7	1280.8	1526.0	1584.8	1586.7	1458.2	1395.7	1300.8
62.5°	681.9	687.7	771.7	918.1	1211.3	1636.5	1828.1	1788.5	1584.4	1501.8	1442.8
65°	357.4	381.2	454.4	616.4	982.4	1597.9	2120.9	2110.1	1811.2	1653.8	1553.3
67.5°	245.2	245.0	262.3	321.3	585.7	1375.8	2264.6	2383.9	2073.6	1705.9	1473.2
70°	186.6	187.3	202.7	241.1	303.4	915.8	2106.9	2310.9	2122.4	1548.9	1191.5
72.5°	123.9	125.1	150.8	194.8	242.3	449.0	1637.3	1849.0	1785.8	1244.1	838.7
75°	74.0	75.1	93.4	141.6	215.4	251.3	1040.3	1278.3	1229.3	857.5	449.6
77.5°	30.4	31.3	48.0	88.2	157.6	195.2	575.3	836.4	736.3	340.9	122.8
80°	12.7	13.1	23.1	61.7	113.6	122.4	266.5	393.1	301.7	73.4	37.5
82.5°	4.6	4.8	8.5	34.0	70.7	92.2	134.5	155.4	85.1	24.0	20.2
85°	0.2	0.2	2.1	11.5	26.9	26.1	76.9	74.4	28.2	10.0	12.1
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.3	12.9	6.0	2.5	5.2
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°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	675.2	664.2	652.1	640.8	622.9	612.2	599.1	593.3	584.9	582.8	584.1
5°	661.4	642.5	613.5	587.2	553.2	525.9	498.4	486.7	471.7	461.7	457.5
7.5°	642.0	617.2	572.0	524.2	477.5	427.7	389.7	364.7	342.0	329.5	327.0
10°	622.4	590.1	525.3	456.9	384.5	324.9	273.6	235.6	204.8	190.8	180.0
12.5°	602.2	562.0	477.7	388.5	304.4	223.1	159.7	122.8	100.7	92.0	93.4
15°	583.7	534.9	430.6	320.1	214.4	134.7	88.2	74.4	69.2	67.6	67.4
17.5°	565.9	509.2	383.7	253.6	141.4	82.6	67.6	64.2	62.8	61.9	61.9
20°	549.9	484.6	337.8	191.0	91.3	65.5	61.1	59.4	58.2	57.6	57.6
22.5°	534.9	460.8	293.0	135.1	67.4	58.8	56.1	54.4	53.0	52.1	52.1
25°	521.3	439.4	250.2	93.0	58.0	53.8	50.9	49.0	46.5	45.0	45.0
27.5°	511.5	420.2	209.1	67.8	52.3	48.4	45.0	42.5	39.8	38.2	37.7
30°	505.7	403.9	167.7	55.7	47.1	43.2	39.4	36.3	33.2	31.5	31.3
32.5°	502.3	388.9	129.7	48.6	42.7	38.2	34.0	30.7	27.5	25.6	25.4
35°	503.6	377.2	97.2	43.8	38.6	33.8	29.2	25.9	23.1	21.5	21.1
37.5°	514.4	372.0	73.0	40.0	35.0	30.0	25.2	22.1	19.6	18.4	18.1
40°	535.5	373.1	57.3	37.1	32.1	26.3	21.7	18.8	16.9	15.8	15.6
42.5°	568.2	381.8	47.3	34.6	29.0	22.9	18.8	16.5	14.6	13.6	13.3
45°	617.0	399.9	41.3	31.7	25.6	19.8	16.3	14.2	12.5	11.3	11.1
47.5°	687.7	431.4	37.3	29.0	22.7	17.1	14.0	11.9	10.4	9.4	9.2
50°	763.0	469.2	34.0	26.3	20.2	14.8	11.9	9.8	8.5	7.5	7.3
52.5°	843.3	509.8	31.5	23.8	17.9	12.7	10.0	8.1	6.9	5.8	5.6
55°	920.4	550.7	28.6	22.1	15.2	10.8	8.3	6.7	5.4	4.6	4.6
57.5°	995.5	588.2	25.4	19.4	12.5	9.2	6.9	5.4	4.4	3.8	3.5
60°	1085.2	640.2	21.9	16.5	10.4	7.7	5.6	4.4	3.5	2.9	2.9
62.5°	1218.4	694.2	18.8	13.8	8.8	6.5	4.6	3.5	2.9	2.5	2.3
65°	1262.0	665.0	15.8	11.3	7.1	5.2	3.8	3.1	2.5	2.3	2.1
67.5°	1145.6	545.1	13.1	9.2	5.8	4.4	3.3	2.7	2.3	2.1	1.9
70°	893.9	386.8	10.2	6.9	4.8	3.5	2.9	2.5	2.1	1.9	1.9
72.5°	608.1	228.8	8.1	5.2	4.0	3.1	2.5	2.3	2.1	1.9	1.7
75°	299.4	81.3	6.3	4.0	3.1	2.7	2.3	2.1	1.9	1.7	1.7
77.5°	80.7	22.5	4.8	3.1	2.5	2.1	2.1	2.1	1.9	1.5	1.5
80°	27.3	9.4	3.5	2.3	2.1	1.7	1.5	1.9	1.7	1.5	1.3
82.5°	15.0	4.6	2.5	1.9	1.5	1.3	1.3	1.3	1.3	1.0	1.0
85°	9.6	2.5	1.7	1.5	1.5	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.4	1.5	1.5	1.3	1.3	1.0	0.6	0.4	0.2	0.2	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)