

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: P628962

Luminaire Tested: GWS-SA1A-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628962
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2323.7 lumens
Efficiency: N/A
Efficacy: 118.0 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

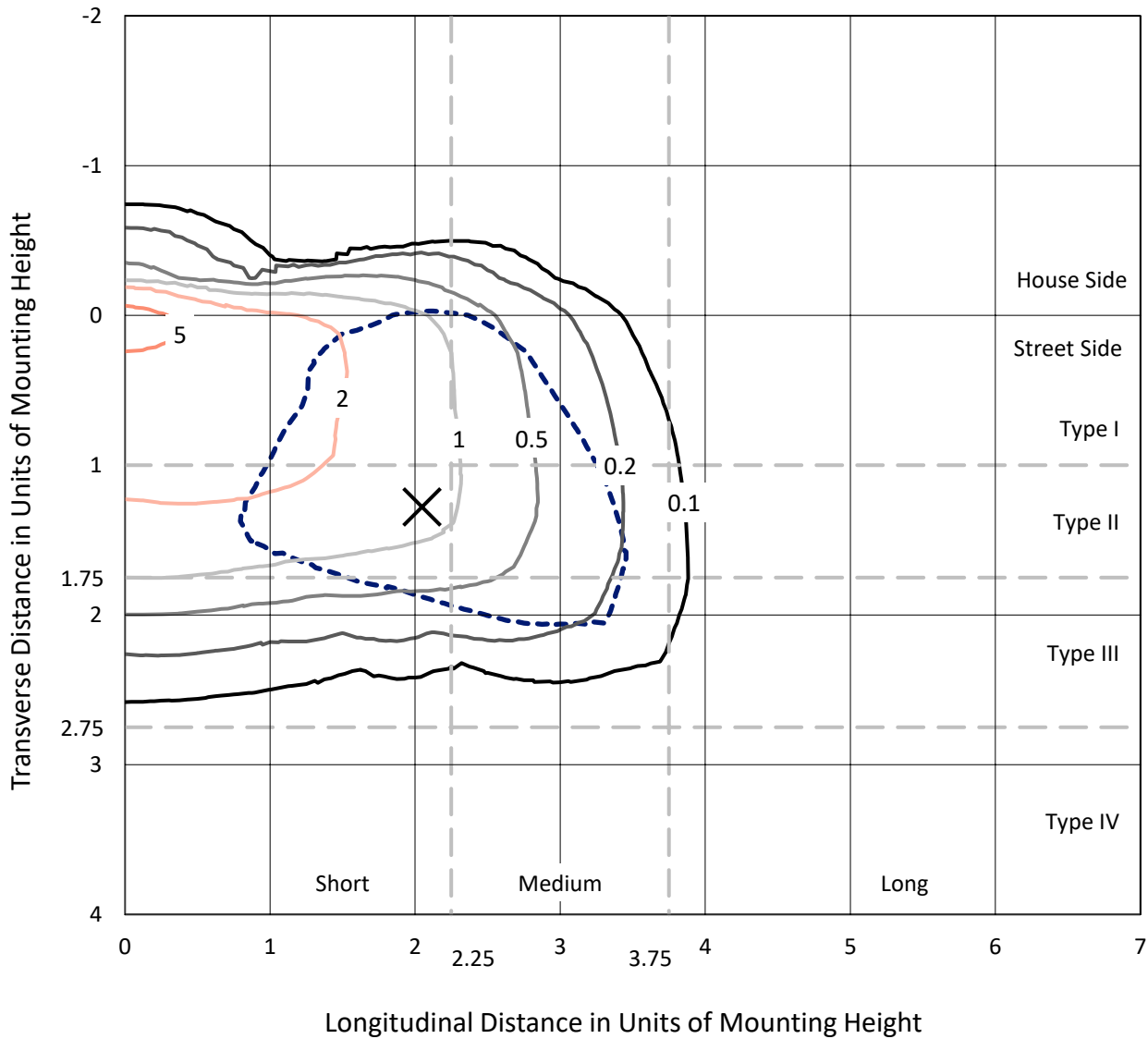
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

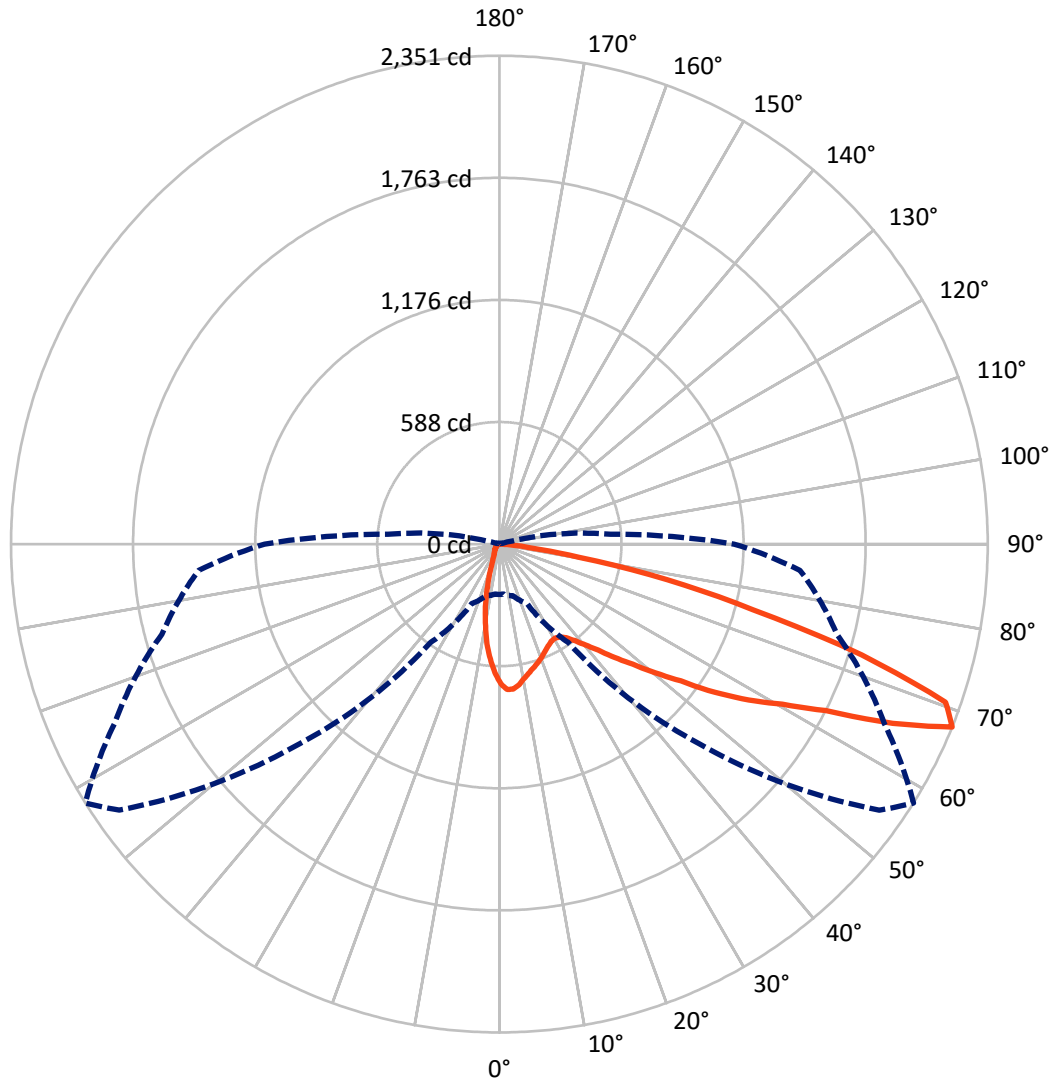
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 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	227.0	0.0	227.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2096.7	0.0	2096.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	2323.7	0.0	2323.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	2.3
10°-20°	113.4	4.9
20°-30°	152.9	6.6
30°-40°	214.9	9.2
40°-50°	331.8	14.3
50°-60°	530.6	22.8
60°-70°	628.3	27.0
70°-80°	277.9	12.0
80°-90°	19.4	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°	2323.7	100.0
0°-180°	2323.7	100.0

Coefficient of Utilization



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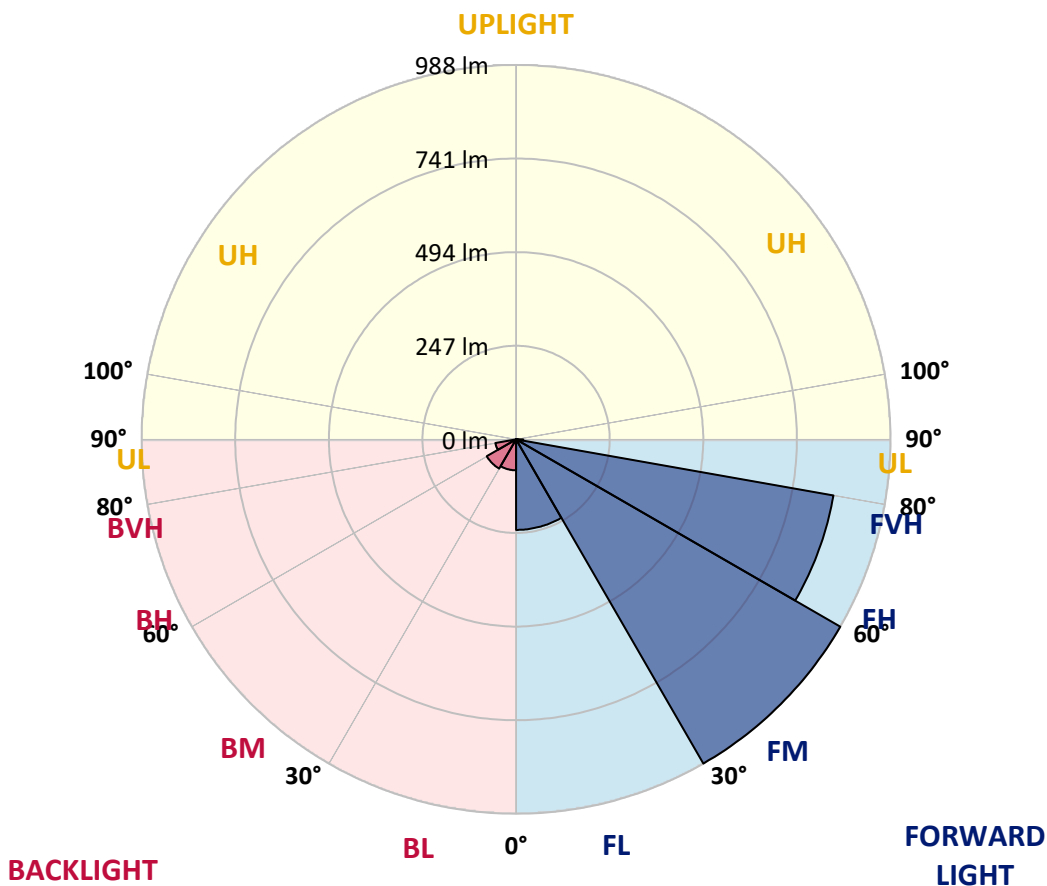
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.0	10.3			
FM (30°-60°)	988.2	42.5			
FH (60°-80°)	850.8	36.6			G1/1800
FVH (80°-90°)	18.6	0.8			G1/100
BL (0°-30°)	81.7	3.5	B0/110		
BM (30°-60°)	89.1	3.8	B0/220		
BH (60°-80°)	55.4	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°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	705.0	706.3	707.9	710.0	709.5	707.7	705.4	700.3	697.0	686.7	674.2
5°	682.4	682.2	686.3	690.2	697.2	700.9	706.0	701.3	699.7	687.3	667.0
7.5°	638.2	640.4	645.2	651.3	661.4	672.3	684.7	683.2	688.2	679.9	654.6
10°	594.8	593.6	601.0	610.2	625.6	639.6	657.5	657.3	670.3	669.4	640.6
12.5°	556.7	556.5	562.3	572.8	590.9	610.4	634.7	635.3	651.3	657.9	628.7
15°	524.7	525.1	530.6	541.5	560.2	584.1	612.3	617.4	635.5	648.9	617.0
17.5°	501.8	502.0	505.3	514.8	533.1	558.6	592.5	599.5	622.8	642.1	607.5
20°	491.3	490.5	491.1	495.9	510.1	533.3	572.4	581.4	611.0	637.4	598.9
22.5°	492.8	491.5	488.7	488.0	494.4	512.1	551.0	562.1	598.3	634.5	591.1
25°	505.5	502.9	498.7	492.6	490.1	498.9	532.3	543.8	586.4	634.7	585.1
27.5°	525.1	522.2	517.0	508.8	499.2	495.4	519.5	530.4	577.9	639.4	582.2
30°	549.9	547.7	542.8	532.9	519.9	504.7	516.8	525.9	573.8	649.1	583.5
32.5°	579.4	577.7	573.6	564.6	549.7	526.5	525.9	532.9	577.1	663.1	588.2
35°	607.7	608.4	608.6	603.6	587.8	559.6	550.8	553.2	590.7	684.0	598.9
37.5°	638.4	636.9	644.4	647.8	632.6	602.6	589.2	589.4	616.6	715.1	619.1
40°	661.6	662.0	678.1	692.5	686.1	657.1	638.0	637.8	656.5	757.7	651.5
42.5°	683.4	686.1	709.8	734.4	743.3	717.6	703.8	698.6	712.4	815.3	700.3
45°	706.7	710.6	743.7	778.9	802.1	786.9	776.0	778.0	779.7	882.3	765.9
47.5°	733.8	736.3	777.2	826.8	870.2	866.3	866.9	864.4	863.6	966.8	852.7
50°	766.7	772.5	819.6	878.8	938.0	964.0	972.6	973.6	960.3	1059.0	942.6
52.5°	836.6	843.6	884.0	935.8	1012.1	1066.6	1101.8	1094.8	1074.2	1148.2	1041.1
55°	919.1	924.5	963.3	1017.0	1102.6	1179.1	1262.6	1259.7	1209.3	1242.2	1122.1
57.5°	926.9	932.9	993.2	1075.4	1218.8	1318.1	1405.9	1415.2	1341.4	1308.9	1194.5
60°	839.1	851.2	933.5	1044.2	1263.2	1505.1	1563.1	1564.9	1438.2	1376.5	1282.9
62.5°	672.5	678.3	761.2	905.5	1194.7	1614.1	1803.1	1764.0	1562.6	1481.2	1423.0
65°	352.5	376.0	448.1	607.9	968.9	1576.0	2091.8	2081.1	1786.4	1631.1	1532.0
67.5°	241.9	241.7	258.7	316.9	577.7	1357.0	2233.5	2351.2	2045.1	1682.6	1453.0
70°	184.1	184.7	199.9	237.7	299.2	903.3	2078.0	2279.2	2093.3	1527.7	1175.2
72.5°	122.2	123.4	148.7	192.1	239.0	442.8	1614.9	1823.6	1761.3	1227.0	827.2
75°	73.0	74.0	92.1	139.6	212.5	247.8	1026.1	1260.7	1212.4	845.7	443.4
77.5°	30.0	30.8	47.3	87.0	155.5	192.5	567.4	824.9	726.2	336.3	121.1
80°	12.5	13.0	22.8	60.9	112.1	120.7	262.8	387.7	297.6	72.4	37.0
82.5°	4.5	4.7	8.4	33.5	69.7	90.9	132.7	153.2	83.9	23.7	19.9
85°	0.2	0.2	2.1	11.3	26.5	25.7	75.9	73.4	27.8	9.9	11.9
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.2	12.8	6.0	2.5	5.1
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°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	665.9	655.0	643.1	632.0	614.3	603.8	590.9	585.1	576.9	574.8	576.1
5°	652.4	633.7	605.1	579.2	545.6	518.7	491.5	480.0	465.2	455.3	451.2
7.5°	633.2	608.8	564.1	517.0	471.0	421.8	384.4	359.7	337.3	325.0	322.5
10°	613.9	582.0	518.1	450.6	379.2	320.4	269.8	232.4	202.0	188.2	177.5
12.5°	594.0	554.3	471.2	383.2	300.3	220.1	157.5	121.1	99.3	90.7	92.1
15°	575.7	527.5	424.7	315.7	211.4	132.9	87.0	73.4	68.3	66.6	66.4
17.5°	558.2	502.2	378.4	250.1	139.4	81.4	66.6	63.3	61.9	61.1	61.1
20°	542.3	478.0	333.2	188.4	90.1	64.6	60.3	58.6	57.4	56.8	56.8
22.5°	527.5	454.5	289.0	133.3	66.4	58.0	55.3	53.7	52.2	51.4	51.4
25°	514.2	433.3	246.8	91.7	57.2	53.1	50.2	48.3	45.9	44.4	44.4
27.5°	504.5	414.4	206.3	66.8	51.6	47.7	44.4	42.0	39.3	37.6	37.2
30°	498.7	398.4	165.4	54.9	46.5	42.6	38.9	35.8	32.7	31.1	30.8
32.5°	495.4	383.6	127.9	47.9	42.2	37.6	33.5	30.2	27.1	25.3	25.1
35°	496.7	372.0	95.8	43.2	38.0	33.3	28.8	25.5	22.8	21.2	20.8
37.5°	507.4	366.9	72.0	39.5	34.6	29.6	24.9	21.8	19.3	18.1	17.9
40°	528.1	367.9	56.6	36.6	31.7	25.9	21.4	18.5	16.7	15.6	15.4
42.5°	560.4	376.6	46.7	34.1	28.6	22.6	18.5	16.2	14.4	13.4	13.2
45°	608.6	394.5	40.7	31.3	25.3	19.5	16.0	14.0	12.3	11.1	10.9
47.5°	678.3	425.5	36.8	28.6	22.4	16.9	13.8	11.7	10.3	9.3	9.0
50°	752.5	462.7	33.5	25.9	19.9	14.6	11.7	9.7	8.4	7.4	7.2
52.5°	831.7	502.9	31.1	23.4	17.7	12.5	9.9	8.0	6.8	5.8	5.6
55°	907.8	543.2	28.2	21.8	15.0	10.7	8.2	6.6	5.3	4.5	4.5
57.5°	981.8	580.2	25.1	19.1	12.3	9.0	6.8	5.3	4.3	3.7	3.5
60°	1070.3	631.4	21.6	16.2	10.3	7.6	5.6	4.3	3.5	2.9	2.9
62.5°	1201.7	684.7	18.5	13.6	8.6	6.4	4.5	3.5	2.9	2.5	2.3
65°	1244.7	655.9	15.6	11.1	7.0	5.1	3.7	3.1	2.5	2.3	2.1
67.5°	1129.9	537.6	13.0	9.0	5.8	4.3	3.3	2.7	2.3	2.1	1.9
70°	881.7	381.5	10.1	6.8	4.7	3.5	2.9	2.5	2.1	1.9	1.9
72.5°	599.7	225.6	8.0	5.1	3.9	3.1	2.5	2.3	2.1	1.9	1.6
75°	295.3	80.2	6.2	3.9	3.1	2.7	2.3	2.1	1.9	1.6	1.6
77.5°	79.6	22.2	4.7	3.1	2.5	2.1	2.1	2.1	1.9	1.4	1.4
80°	26.9	9.3	3.5	2.3	2.1	1.6	1.4	1.9	1.6	1.4	1.2
82.5°	14.8	4.5	2.5	1.9	1.4	1.2	1.2	1.2	1.2	1.0	1.0
85°	9.5	2.5	1.6	1.4	1.4	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.3	1.4	1.4	1.2	1.2	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)