

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198004

Luminaire Tested: **TT-C4-LED-E1-RW-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C4-LED-E1-RW-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5917.4 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

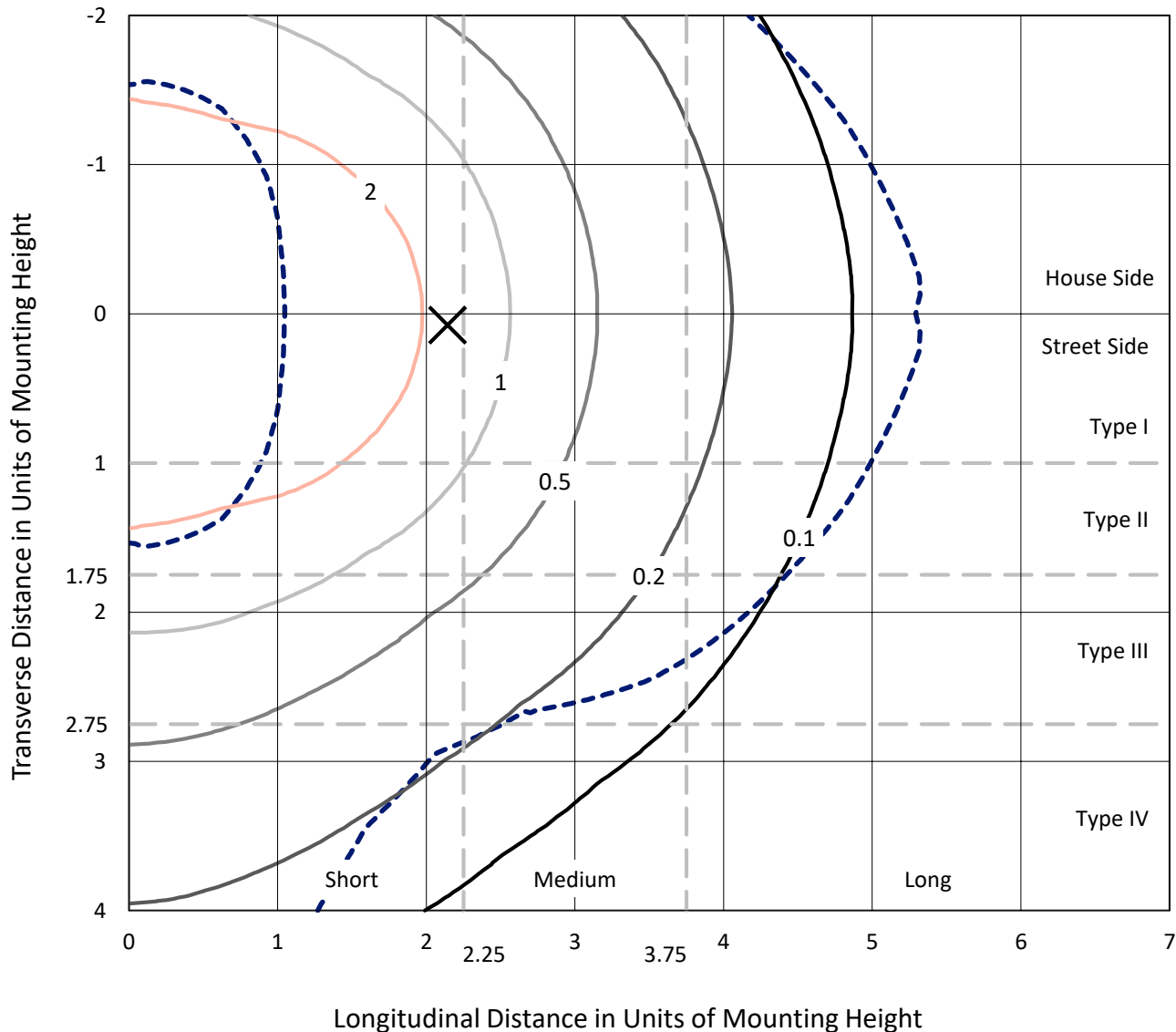


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Iso-Footcandle Lines of Horizontal Illumination

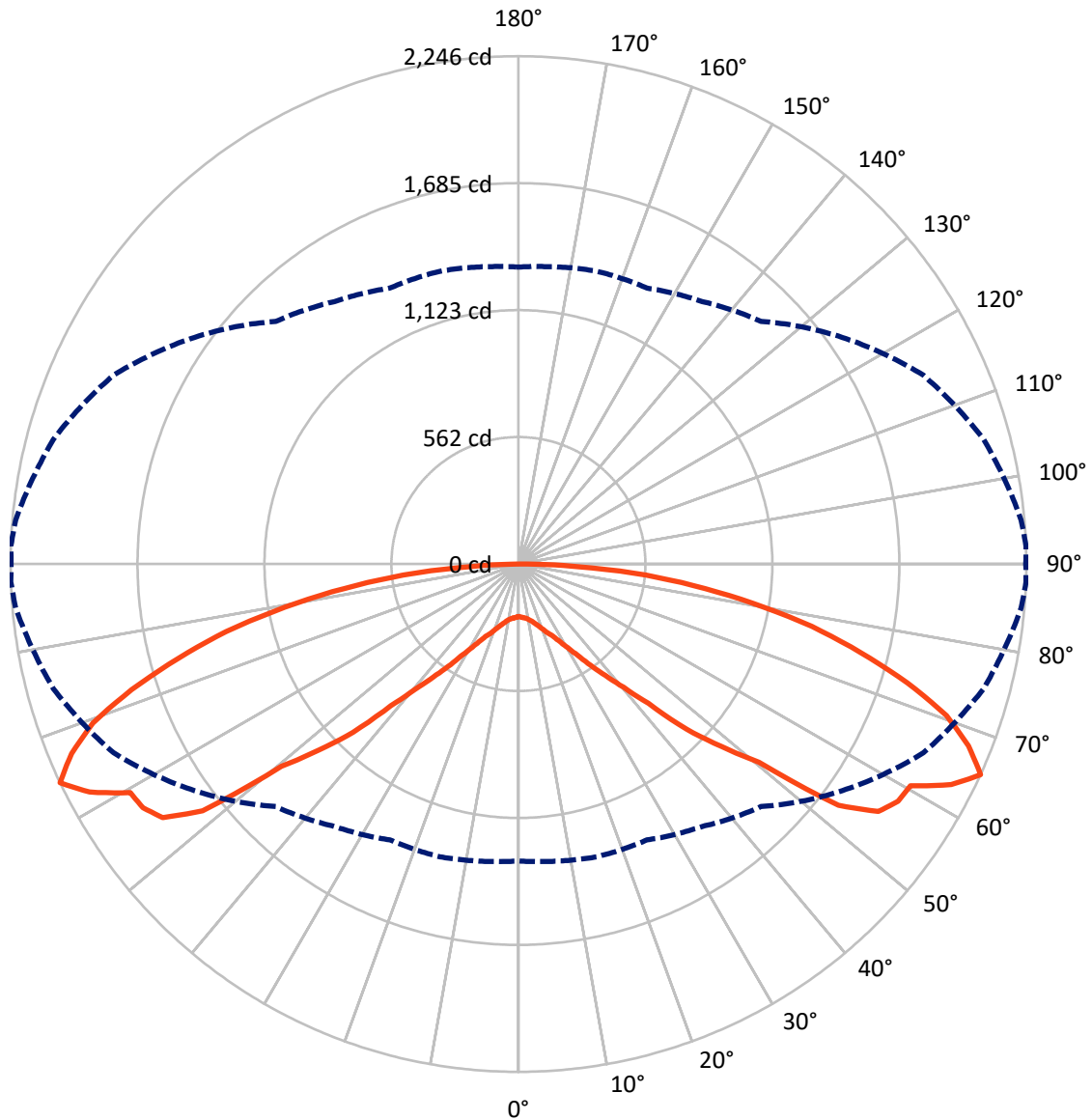
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 88-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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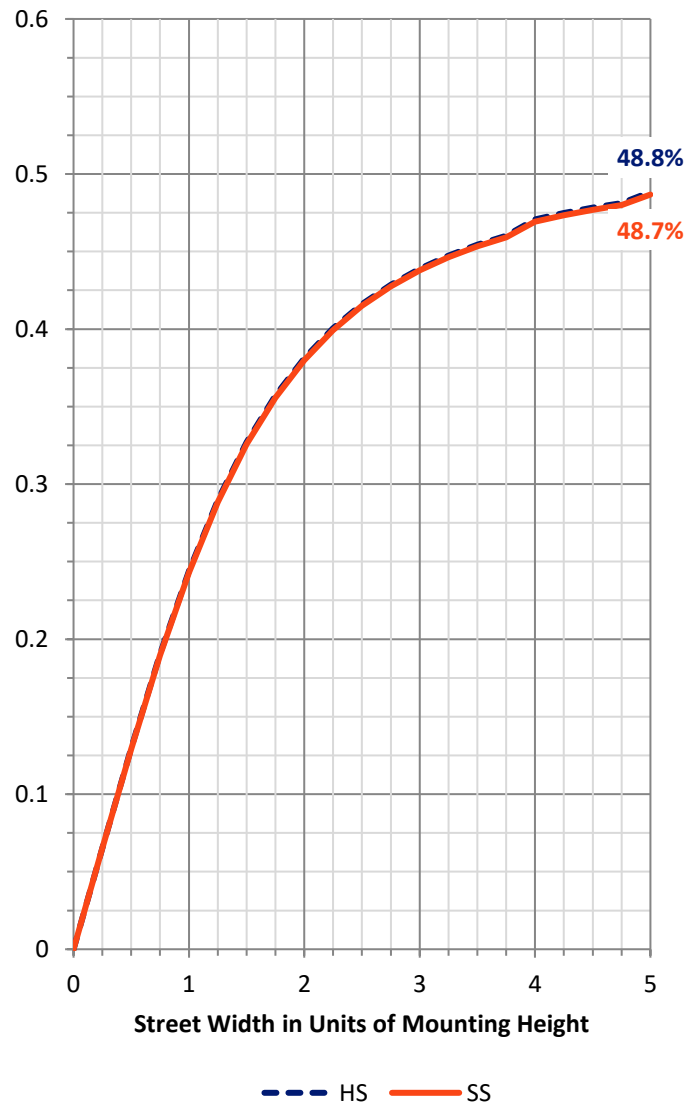
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2958.7	0.0	2958.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2958.7	0.0	2958.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5917.4	0.0	5917.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.4
10°-20°	80.6	1.4
20°-30°	178.0	3.0
30°-40°	354.6	6.0
40°-50°	678.8	11.5
50°-60°	1215.0	20.5
60°-70°	1610.1	27.2
70°-80°	1343.6	22.7
80°-90°	433.5	7.3
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°	5917.4	100.0
0°-180°	5917.4	100.0



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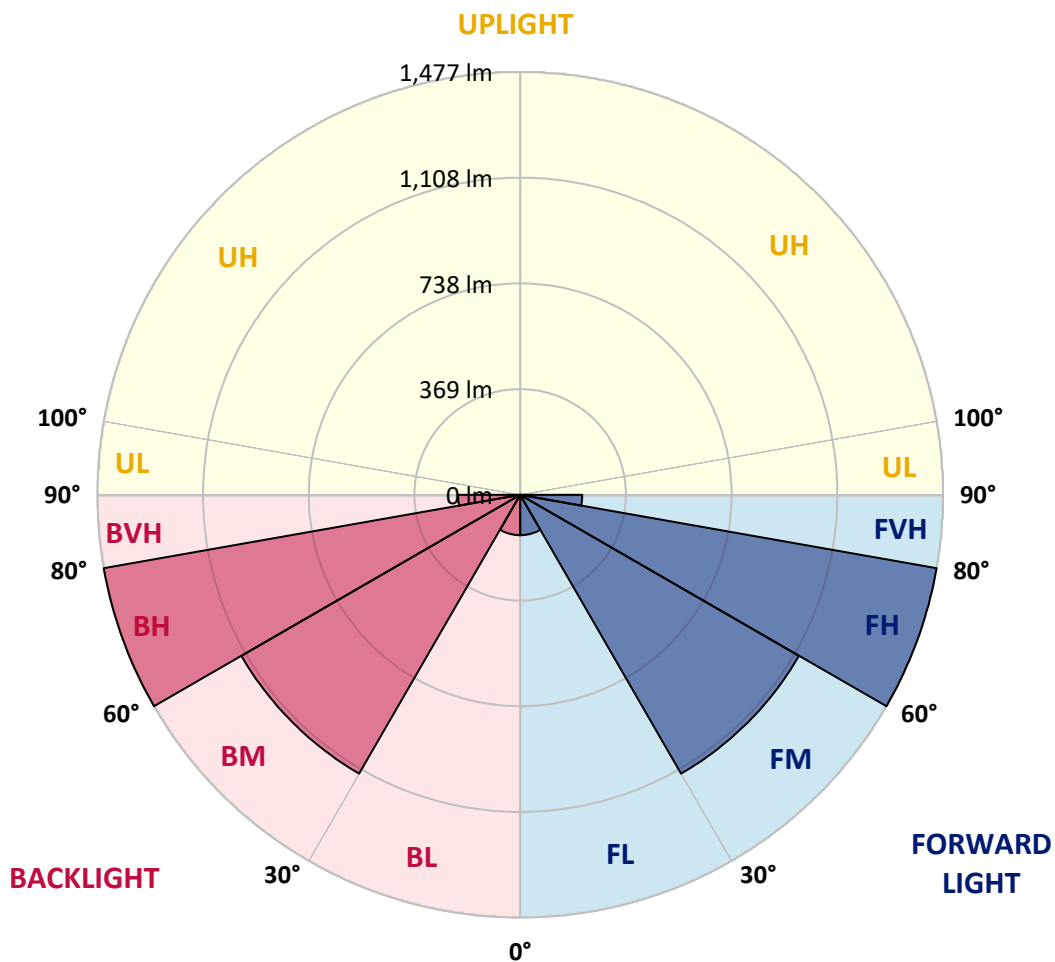
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.9	2.4			
FM	(30°-60°)	1124.2	19.0			
FH	(60°-80°)	1476.8	25.0			G1/1800
FVH	(80°-90°)	216.8	3.7			G2/225
BL	(0°-30°)	140.9	2.4	B1/500		
BM	(30°-60°)	1124.2	19.0	B2/2500		
BH	(60°-80°)	1476.8	25.0	B3/2500		G3/2500
BVH	(80°-90°)	216.8	3.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7
2.5°	234.0	234.0	234.0	234.0	235.2	235.2	235.2	235.2	235.2	235.2	235.2
5°	237.5	237.5	238.7	238.7	239.9	239.9	239.9	239.9	238.7	238.7	238.7
7.5°	243.3	244.5	245.7	245.7	245.7	244.5	243.3	243.3	242.2	242.2	242.2
10°	253.8	253.8	255.0	255.0	253.8	252.7	251.5	250.3	250.3	250.3	249.2
12.5°	266.6	266.6	267.8	266.6	264.3	263.1	260.8	259.6	259.6	258.5	258.5
15°	284.1	286.4	286.4	282.9	279.4	276.0	274.8	272.5	272.5	272.5	272.5
17.5°	310.9	309.7	305.1	301.6	299.2	293.4	291.1	289.9	287.6	287.6	287.6
20°	341.2	338.8	333.0	328.3	323.7	316.7	312.0	309.7	308.6	307.4	307.4
22.5°	374.9	371.4	363.3	359.8	350.5	343.5	337.7	333.0	329.5	328.3	330.7
25°	409.9	409.9	402.9	393.5	384.2	373.8	365.6	359.8	355.1	354.0	352.8
27.5°	447.1	449.4	440.1	430.8	420.3	406.4	398.2	390.1	388.9	387.7	386.6
30°	486.7	491.4	482.0	472.7	458.8	444.8	434.3	430.8	427.3	429.6	429.6
32.5°	535.6	537.9	527.4	520.5	501.8	487.9	478.5	476.2	477.4	476.2	479.7
35°	592.7	589.2	581.0	567.0	550.7	537.9	530.9	535.6	548.4	553.1	550.7
37.5°	655.5	642.7	638.1	620.6	605.5	595.0	597.3	609.0	619.4	627.6	625.3
40°	702.1	704.4	691.6	675.3	661.3	659.0	671.8	687.0	706.8	713.7	716.1
42.5°	749.8	763.8	748.7	732.4	725.4	730.0	748.7	778.9	823.2	846.5	843.0
45°	804.6	819.7	803.4	790.6	789.4	806.9	847.6	926.8	992.0	1038.6	1043.3
47.5°	861.6	873.3	858.1	850.0	861.6	895.4	965.2	1071.2	1141.1	1195.8	1205.1
50°	933.8	929.1	917.5	916.3	942.0	1003.7	1098.0	1205.1	1330.8	1366.9	1378.6
52.5°	1004.8	987.4	985.0	990.9	1036.3	1106.1	1231.9	1442.6	1627.8	1758.2	1772.1
55°	1071.2	1051.4	1056.1	1071.2	1135.2	1241.2	1415.8	1673.2	1835.0	1927.0	1931.7
57.5°	1131.7	1120.1	1130.6	1151.5	1247.0	1383.2	1568.4	1780.3	1902.5	1967.7	1979.4
60°	1193.5	1191.1	1203.9	1242.4	1344.8	1465.9	1620.8	1808.2	1930.5	1980.6	1992.2
62.5°	1251.7	1259.8	1276.1	1313.4	1392.6	1486.9	1637.1	1866.4	2049.3	2128.4	2148.2
65°	1313.4	1320.4	1340.2	1346.0	1417.0	1517.1	1747.7	1975.9	2129.6	2232.1	2246.0
67.5°	1369.3	1378.6	1371.6	1366.9	1428.7	1517.1	1725.6	1925.8	2053.9	2131.9	2147.1
70°	1422.8	1412.4	1384.4	1348.3	1365.8	1426.3	1617.3	1790.8	1920.0	1993.4	2008.5
72.5°	1436.8	1422.8	1348.3	1265.6	1240.0	1285.4	1461.3	1614.9	1720.9	1789.6	1798.9
75°	1400.7	1371.6	1245.9	1131.7	1082.8	1128.3	1275.0	1406.5	1481.0	1555.6	1561.4
77.5°	1256.3	1237.7	1098.0	959.4	904.7	938.5	1060.7	1153.9	1240.0	1312.2	1326.2
80°	1031.6	1015.3	891.9	778.9	705.6	728.9	818.5	893.1	975.7	1032.8	1050.2
82.5°	759.2	756.8	668.3	562.4	511.1	508.8	576.4	649.7	712.6	767.3	778.9
85°	477.4	477.4	416.8	352.8	299.2	300.4	341.2	394.7	473.9	508.8	512.3
87.5°	161.8	153.7	143.2	116.4	93.1	83.8	89.7	102.5	156.0	193.3	200.3
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°
0°	231.7
2.5°	235.2
5°	238.7
7.5°	242.2
10°	249.2
12.5°	259.6
15°	271.3
17.5°	287.6
20°	307.4
22.5°	329.5
25°	352.8
27.5°	387.7
30°	428.5
32.5°	478.5
35°	551.9
37.5°	627.6
40°	721.9
42.5°	852.3
45°	1031.6
47.5°	1205.1
50°	1365.8
52.5°	1743.0
55°	1936.3
57.5°	1978.2
60°	1988.7
62.5°	2137.7
65°	2243.7
67.5°	2145.9
70°	2005.0
72.5°	1791.9
75°	1570.7
77.5°	1326.2
80°	1036.3
82.5°	778.9
85°	504.2
87.5°	194.4
90°	0.0

(END OF REPORT)