

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: P198127

Luminaire Tested: **TT-C5-LED-E1-RW-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7003.2 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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



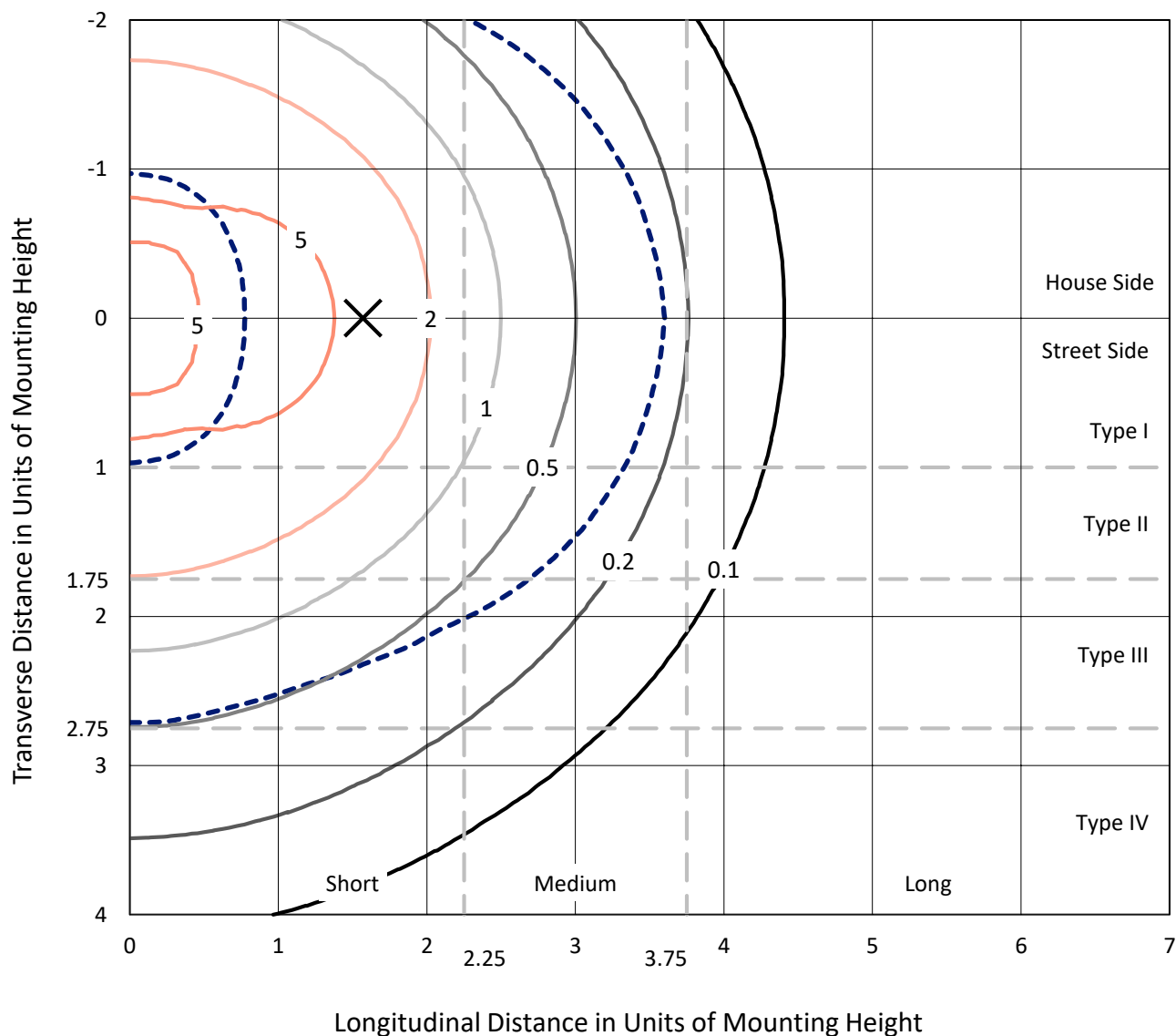
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

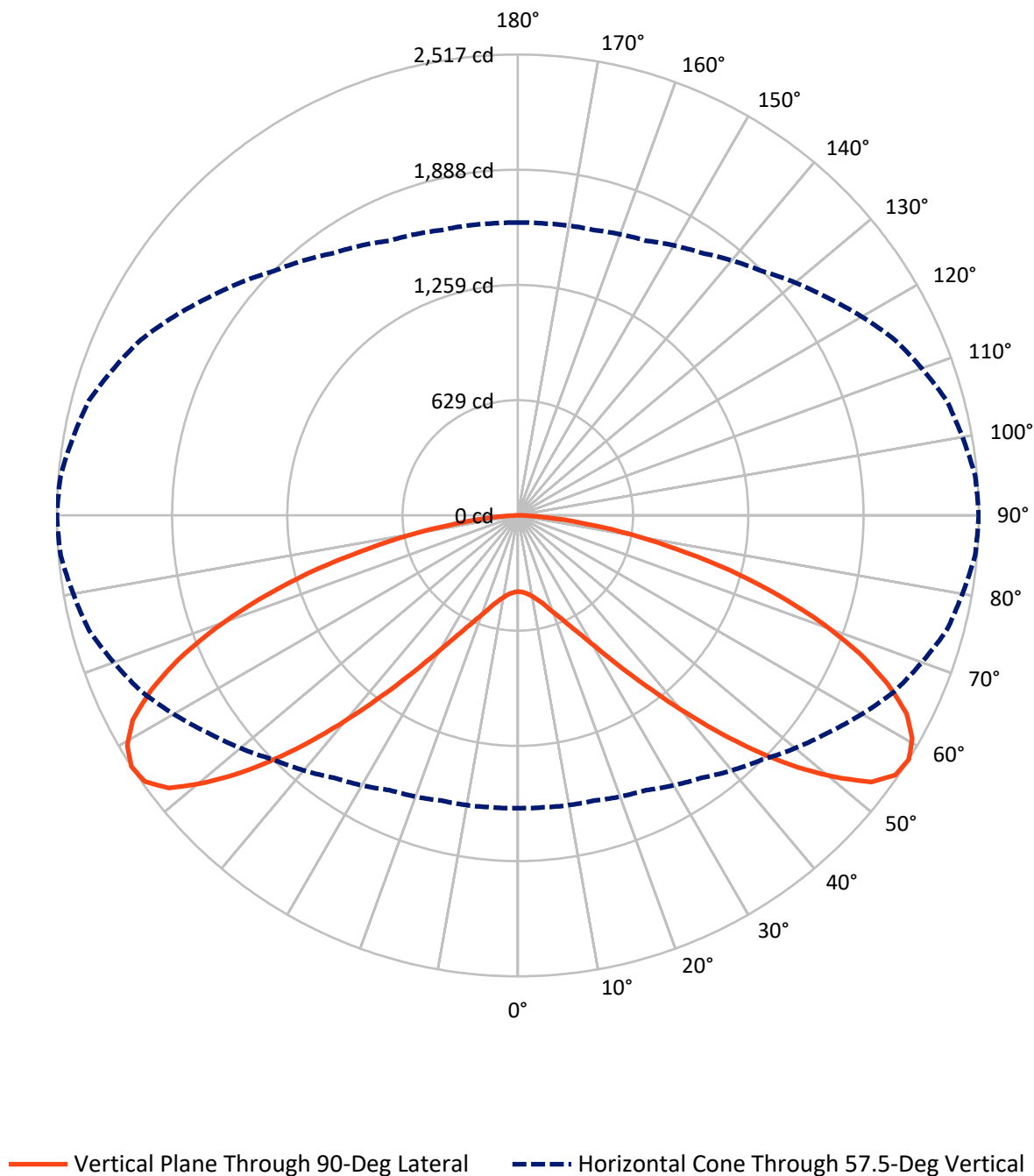


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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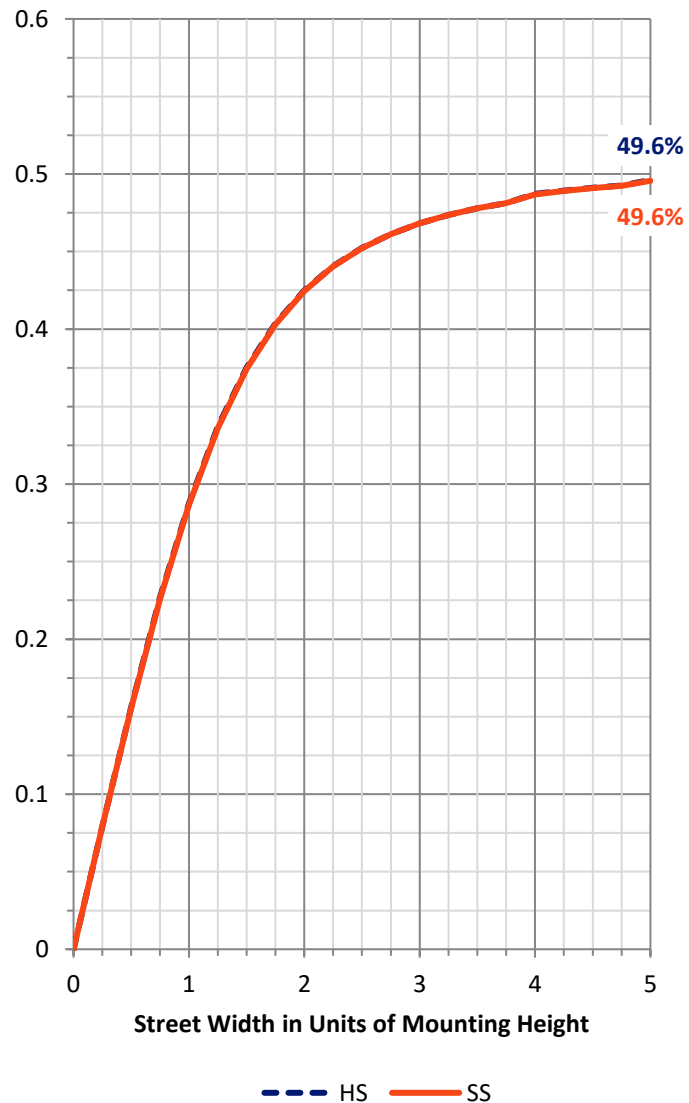
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3501.6	0.0	3501.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3501.6	0.0	3501.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7003.2	0.0	7003.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.6
10°-20°	143.0	2.0
20°-30°	311.9	4.5
30°-40°	626.2	8.9
40°-50°	1169.4	16.7
50°-60°	1722.3	24.6
60°-70°	1735.1	24.8
70°-80°	1035.7	14.8
80°-90°	218.2	3.1
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°	7003.2	100.0
0°-180°	7003.2	100.0

Coefficient of Utilization



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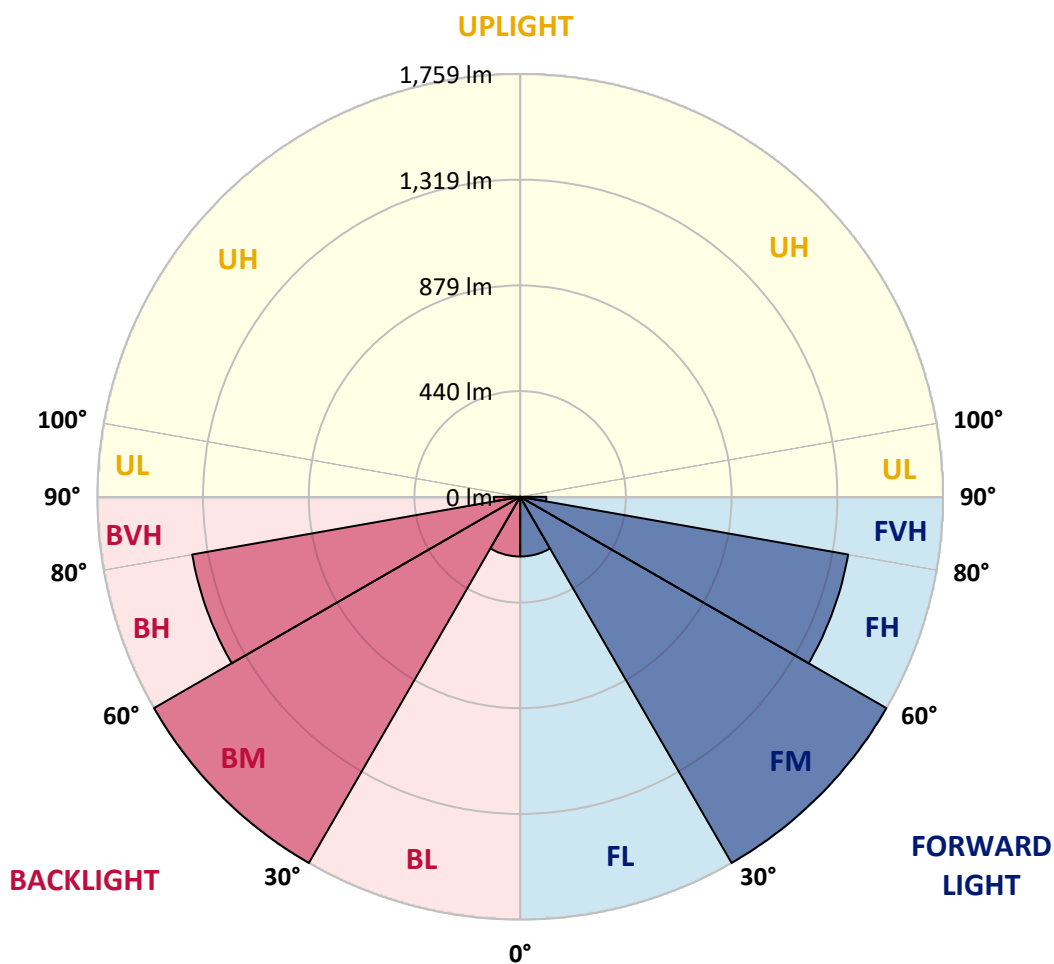
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.1	3.5			
FM	(30°-60°)	1758.9	25.1			
FH	(60°-80°)	1385.4	19.8			G1/1800
FVH	(80°-90°)	109.1	1.6			G2/225
BL	(0°-30°)	248.1	3.5	B1/500		
BM	(30°-60°)	1758.9	25.1	B2/2500		
BH	(60°-80°)	1385.4	19.8	B3/2500		G3/2500
BVH	(80°-90°)	109.1	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5
2.5°	419.5	419.5	419.5	419.5	419.5	418.0	419.5	418.0	418.0	418.0	418.0
5°	424.1	424.1	424.1	425.6	425.6	425.6	425.6	424.1	425.6	424.1	425.6
7.5°	434.7	434.7	434.7	434.7	434.7	434.7	436.2	434.7	436.2	434.7	434.7
10°	448.4	448.4	448.4	448.4	449.9	449.9	449.9	451.4	451.4	451.4	451.4
12.5°	468.2	468.2	468.2	468.2	468.2	468.2	469.7	469.7	471.2	471.2	471.2
15°	494.0	494.0	492.5	492.5	492.5	494.0	494.0	497.0	495.5	495.5	495.5
17.5°	525.9	524.4	524.4	524.4	524.4	524.4	524.4	527.4	527.4	527.4	529.0
20°	560.9	563.9	562.4	559.4	559.4	559.4	560.9	563.9	563.9	568.5	570.0
22.5°	609.5	611.0	608.0	606.5	601.9	601.9	606.5	608.0	614.1	612.6	614.1
25°	661.2	659.7	658.2	655.1	655.1	655.1	658.2	662.7	667.3	671.8	671.8
27.5°	718.9	717.4	715.9	714.4	711.3	715.9	718.9	729.6	732.6	743.3	740.2
30°	782.8	784.3	781.3	779.7	778.2	779.7	791.9	807.1	819.3	826.9	828.4
32.5°	854.2	855.7	854.2	851.2	854.2	861.8	877.0	896.8	921.1	934.8	939.3
35°	933.3	936.3	933.3	936.3	939.3	953.0	980.4	1010.8	1053.3	1065.5	1073.1
37.5°	1018.4	1015.3	1013.8	1018.4	1032.1	1060.9	1098.9	1152.1	1196.2	1232.7	1232.7
40°	1103.5	1105.0	1106.5	1106.5	1132.4	1171.9	1234.2	1305.7	1371.0	1418.1	1419.7
42.5°	1194.7	1194.7	1194.7	1208.4	1240.3	1302.6	1383.2	1488.1	1577.7	1621.8	1627.9
45°	1287.4	1293.5	1296.5	1314.8	1361.9	1440.9	1547.3	1673.5	1787.5	1846.8	1843.7
47.5°	1378.6	1386.2	1392.3	1419.7	1483.5	1568.6	1700.9	1852.9	1982.1	2048.9	2055.0
50°	1472.9	1468.3	1480.5	1513.9	1585.3	1694.8	1836.1	2010.9	2158.4	2240.4	2246.5
52.5°	1535.2	1533.7	1545.8	1580.8	1664.4	1787.5	1950.1	2149.2	2308.8	2394.0	2418.3
55°	1579.3	1577.7	1591.4	1632.5	1723.7	1854.4	2030.7	2240.4	2401.6	2489.7	2501.9
57.5°	1599.0	1600.5	1612.7	1655.3	1749.5	1886.3	2068.7	2270.8	2424.4	2506.4	2517.1
60°	1596.0	1597.5	1608.1	1649.2	1741.9	1874.1	2050.5	2240.4	2386.4	2462.4	2474.5
62.5°	1564.1	1562.5	1571.7	1606.6	1688.7	1811.8	1980.5	2159.9	2298.2	2368.1	2381.8
65°	1497.2	1495.7	1495.7	1526.1	1596.0	1700.9	1860.5	2020.1	2149.2	2216.1	2219.2
67.5°	1387.7	1387.7	1384.7	1402.9	1454.6	1556.5	1693.3	1839.2	1944.1	2006.4	2015.5
70°	1240.3	1243.3	1232.7	1243.3	1285.9	1366.5	1488.1	1605.1	1687.2	1758.6	1763.2
72.5°	1079.2	1067.0	1062.5	1065.5	1097.4	1149.1	1254.0	1352.8	1428.8	1477.4	1486.5
75°	870.9	870.9	867.9	863.3	881.6	933.3	1003.2	1083.7	1147.6	1181.0	1193.2
77.5°	667.3	673.4	664.2	664.2	677.9	717.4	778.2	822.3	867.9	890.7	884.6
80°	474.2	472.7	468.2	465.1	480.3	503.1	551.8	577.6	591.3	612.6	621.7
82.5°	293.4	296.4	301.0	287.3	293.4	314.6	340.5	354.2	360.2	369.4	367.8
85°	144.4	145.9	147.4	149.0	149.0	156.6	171.8	177.8	182.4	187.0	183.9
87.5°	53.2	50.2	48.6	48.6	48.6	50.2	57.8	56.2	59.3	59.3	62.3
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)