

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: P197572

Luminaire Tested: **TT-C4-LED-E1-CQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
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-CQ-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7396.7 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

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



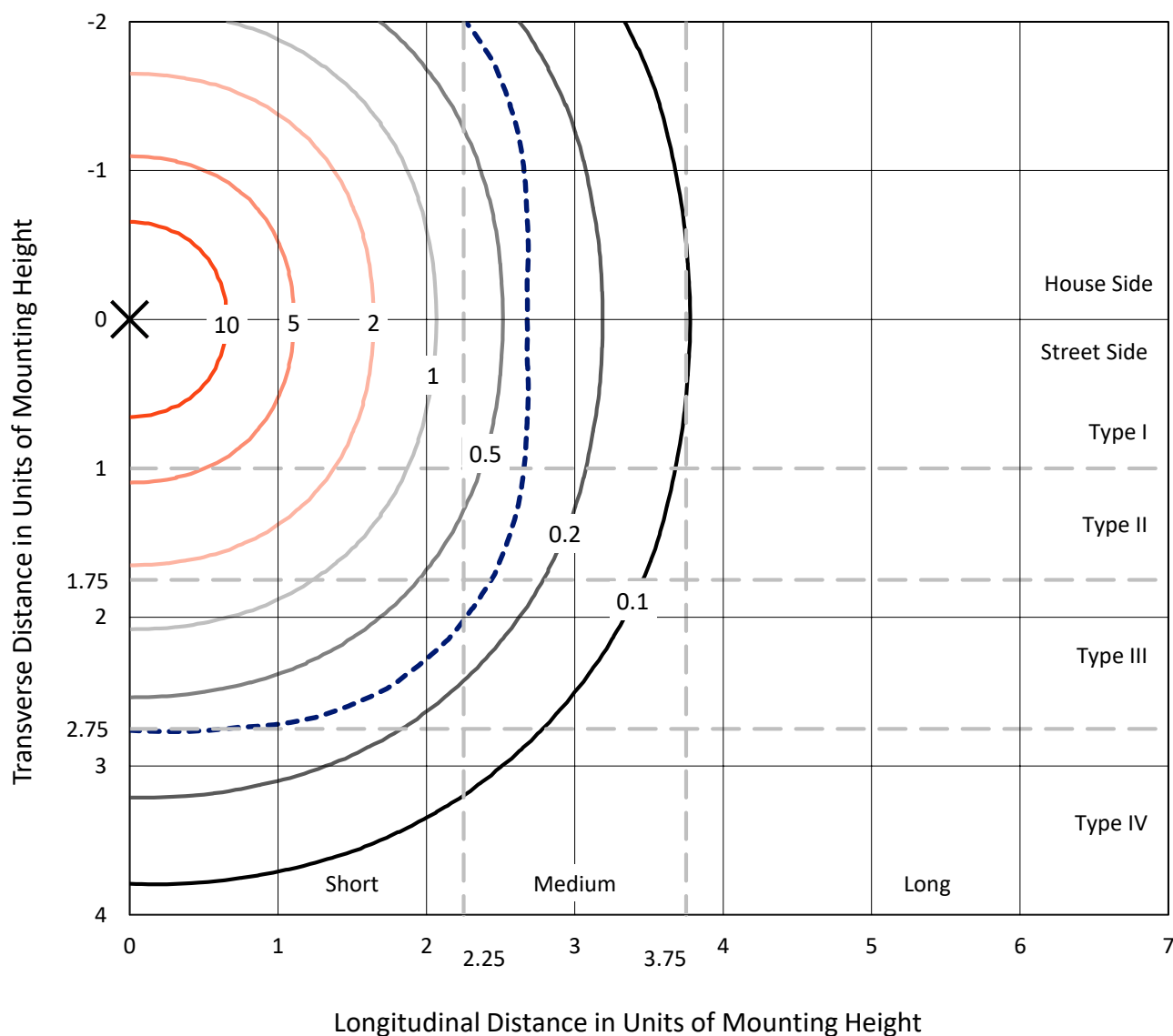
REPORT NUMBER: P197572

CATALOG NUMBER: TT-C4-LED-E1-CQ-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

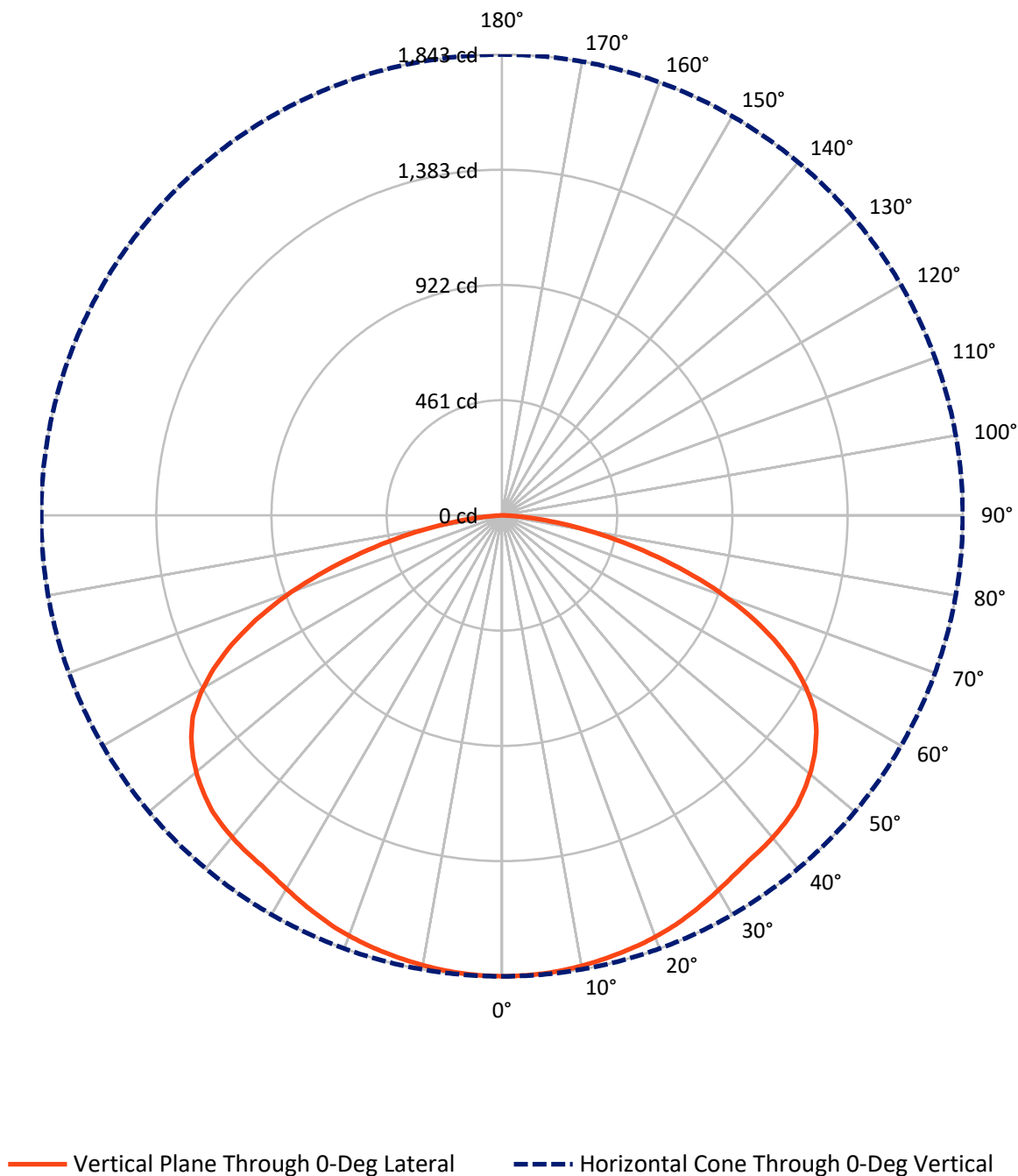


Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
Type V - Short - Full Cutoff

REPORT NUMBER: P197572

CATALOG NUMBER: TT-C4-LED-E1-CQ-7060

Luminous Intensity Polar Plot



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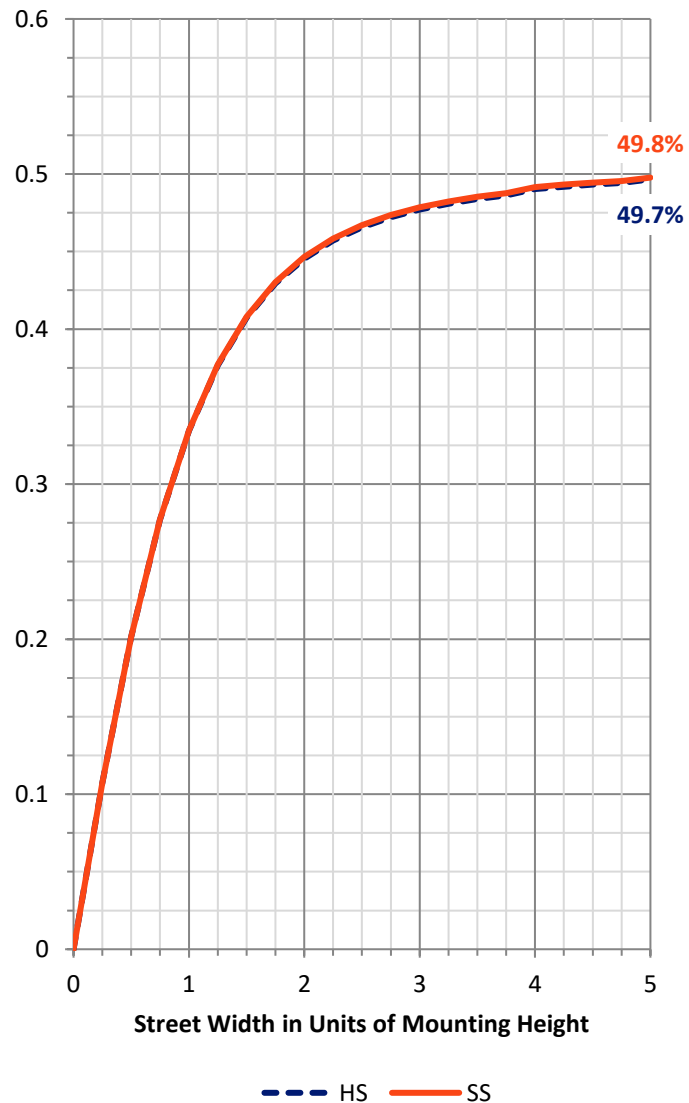
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3698.3	0.0	3698.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3698.3	0.0	3698.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7396.7	0.0	7396.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	2.4
10°-20°	513.0	6.9
20°-30°	816.1	11.0
30°-40°	1079.3	14.6
40°-50°	1317.0	17.8
50°-60°	1422.3	19.2
60°-70°	1231.7	16.7
70°-80°	698.4	9.4
80°-90°	143.6	1.9
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°	7396.7	100.0
0°-180°	7396.7	100.0

Coefficient of Utilization



REPORT NUMBER: P197572

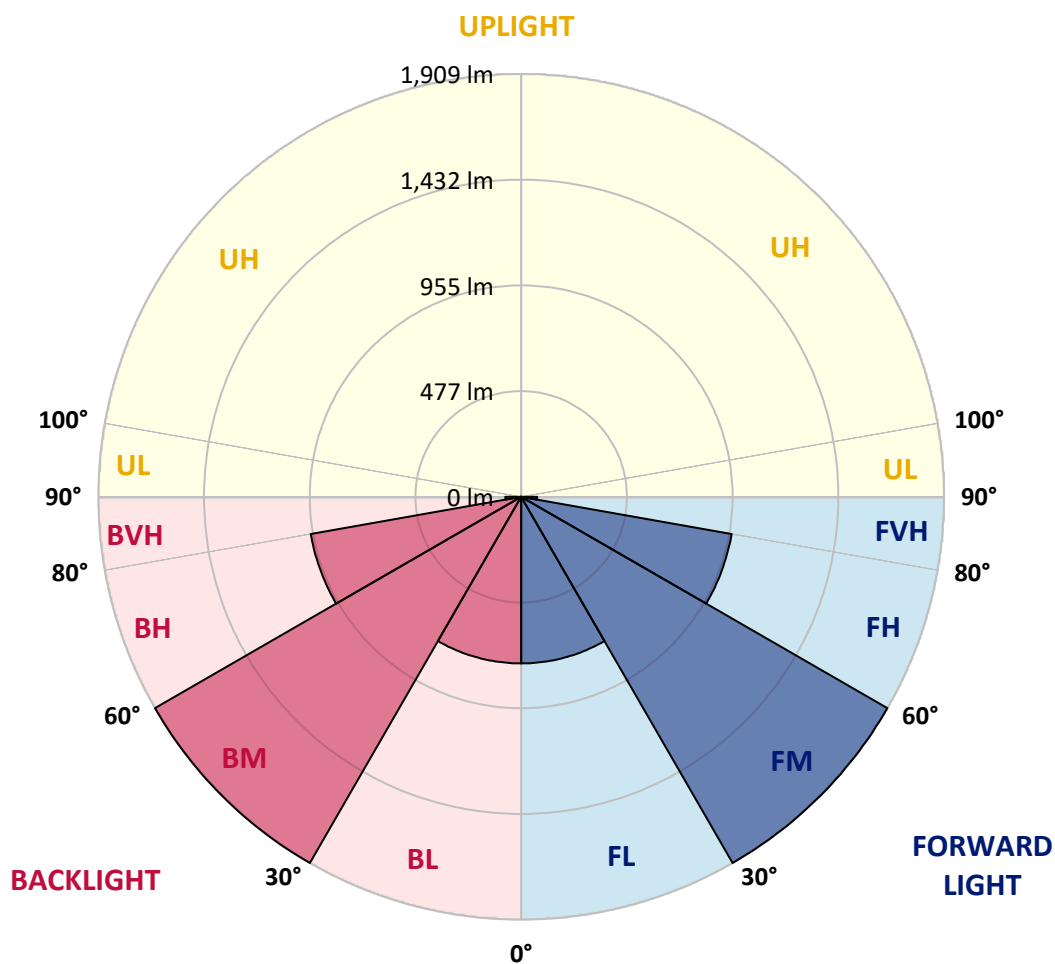
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	752.1	10.2			
FM	(30°-60°)	1909.3	25.8			
FH	(60°-80°)	965.1	13.0			G1/1800
FVH	(80°-90°)	71.8	1.0			G1/100
BL	(0°-30°)	752.1	10.2	B2/1000		
BM	(30°-60°)	1909.3	25.8	B2/2500		
BH	(60°-80°)	965.1	13.0	B2/1000		G1/1800
BVH	(80°-90°)	71.8	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4	1843.4
2.5°	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1	1842.1
5°	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5	1839.5
7.5°	1834.4	1834.4	1834.4	1834.4	1834.4	1835.7	1834.4	1834.4	1834.4	1834.4	1835.7
10°	1828.1	1828.1	1829.3	1829.3	1828.1	1828.1	1828.1	1828.1	1828.1	1828.1	1828.1
12.5°	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1820.4	1819.2	1819.2	1819.2
15°	1811.5	1811.5	1811.5	1812.8	1812.8	1812.8	1812.8	1811.5	1810.3	1809.0	1810.3
17.5°	1802.6	1802.6	1803.9	1805.2	1805.2	1805.2	1805.2	1802.6	1801.3	1800.1	1800.1
20°	1791.2	1792.4	1792.4	1793.7	1795.0	1795.0	1795.0	1793.7	1791.2	1788.6	1788.6
22.5°	1778.4	1779.7	1781.0	1782.2	1783.5	1782.2	1782.2	1781.0	1778.4	1777.2	1775.9
25°	1761.9	1761.9	1764.4	1767.0	1768.2	1768.2	1768.2	1765.7	1763.2	1761.9	1760.6
27.5°	1745.3	1745.3	1747.9	1751.7	1753.0	1754.2	1751.7	1750.4	1746.6	1744.1	1744.1
30°	1727.5	1727.5	1731.3	1736.4	1740.2	1741.5	1740.2	1735.1	1730.1	1727.5	1727.5
32.5°	1711.0	1712.2	1716.0	1723.7	1730.1	1732.6	1731.3	1725.0	1718.6	1713.5	1712.2
35°	1698.2	1699.5	1707.1	1716.0	1726.2	1730.1	1726.2	1719.9	1709.7	1702.0	1702.0
37.5°	1690.6	1690.6	1700.8	1716.0	1727.5	1732.6	1727.5	1718.6	1704.6	1694.4	1694.4
40°	1681.7	1684.2	1697.0	1716.0	1732.6	1740.2	1733.9	1721.1	1703.3	1690.6	1689.3
42.5°	1670.2	1674.0	1688.0	1713.5	1733.9	1745.3	1739.0	1723.7	1702.0	1688.0	1686.8
45°	1654.9	1656.2	1674.0	1704.6	1731.3	1746.6	1741.5	1722.4	1698.2	1681.7	1679.1
47.5°	1630.8	1633.3	1654.9	1690.6	1723.7	1740.2	1736.4	1714.8	1684.2	1665.1	1661.3
50°	1602.7	1605.3	1630.8	1671.5	1708.4	1727.5	1721.1	1694.4	1661.3	1635.8	1633.3
52.5°	1568.4	1573.5	1601.5	1647.3	1686.8	1704.6	1694.4	1660.0	1621.8	1593.8	1591.3
55°	1526.4	1531.5	1563.3	1611.7	1651.1	1665.1	1651.1	1610.4	1569.7	1537.8	1531.5
57.5°	1474.2	1478.0	1508.5	1559.5	1597.7	1609.1	1591.3	1549.3	1500.9	1466.5	1462.7
60°	1397.8	1402.9	1438.5	1485.6	1523.8	1537.8	1520.0	1469.1	1416.9	1382.5	1381.2
62.5°	1306.1	1315.0	1345.6	1396.5	1430.9	1450.0	1425.8	1373.6	1321.4	1281.9	1281.9
65°	1195.4	1201.7	1234.8	1284.5	1317.6	1334.1	1310.0	1261.6	1204.3	1169.9	1166.1
67.5°	1068.1	1073.2	1102.4	1153.4	1189.0	1203.0	1176.3	1130.5	1077.0	1040.1	1036.2
70°	926.8	934.4	956.0	1003.2	1035.0	1042.6	1022.2	979.0	930.6	897.5	894.9
72.5°	772.7	779.1	807.1	844.0	869.5	872.0	859.3	827.5	777.8	751.1	747.3
75°	614.9	625.1	649.2	681.1	700.2	700.2	692.5	669.6	626.3	606.0	606.0
77.5°	465.9	471.0	496.5	518.1	533.4	541.0	532.1	511.8	477.4	463.4	455.7
80°	324.6	329.7	341.2	357.7	373.0	378.1	367.9	351.4	332.3	322.1	317.0
82.5°	198.6	203.7	210.1	219.0	229.1	234.2	227.9	217.7	201.1	199.9	198.6
85°	95.5	98.0	103.1	105.7	110.8	112.0	113.3	108.2	103.1	96.8	99.3
87.5°	29.3	29.3	30.6	31.8	34.4	34.4	34.4	33.1	30.6	29.3	29.3
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)