

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: P400664

Luminaire Tested: **TT-D5-827-U-CQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D5-827-U-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7867 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 74.7
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: 28.75 FT



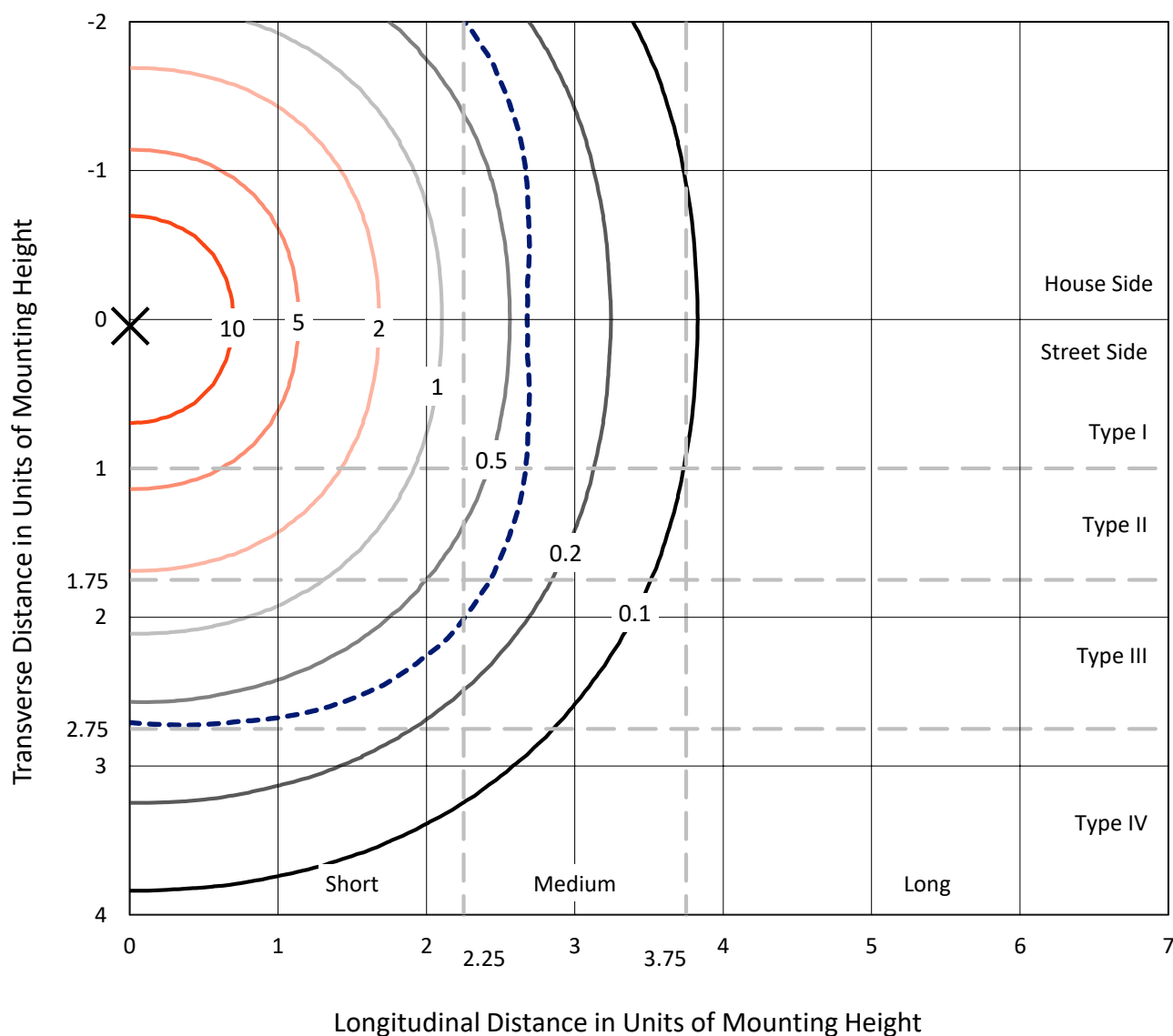
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

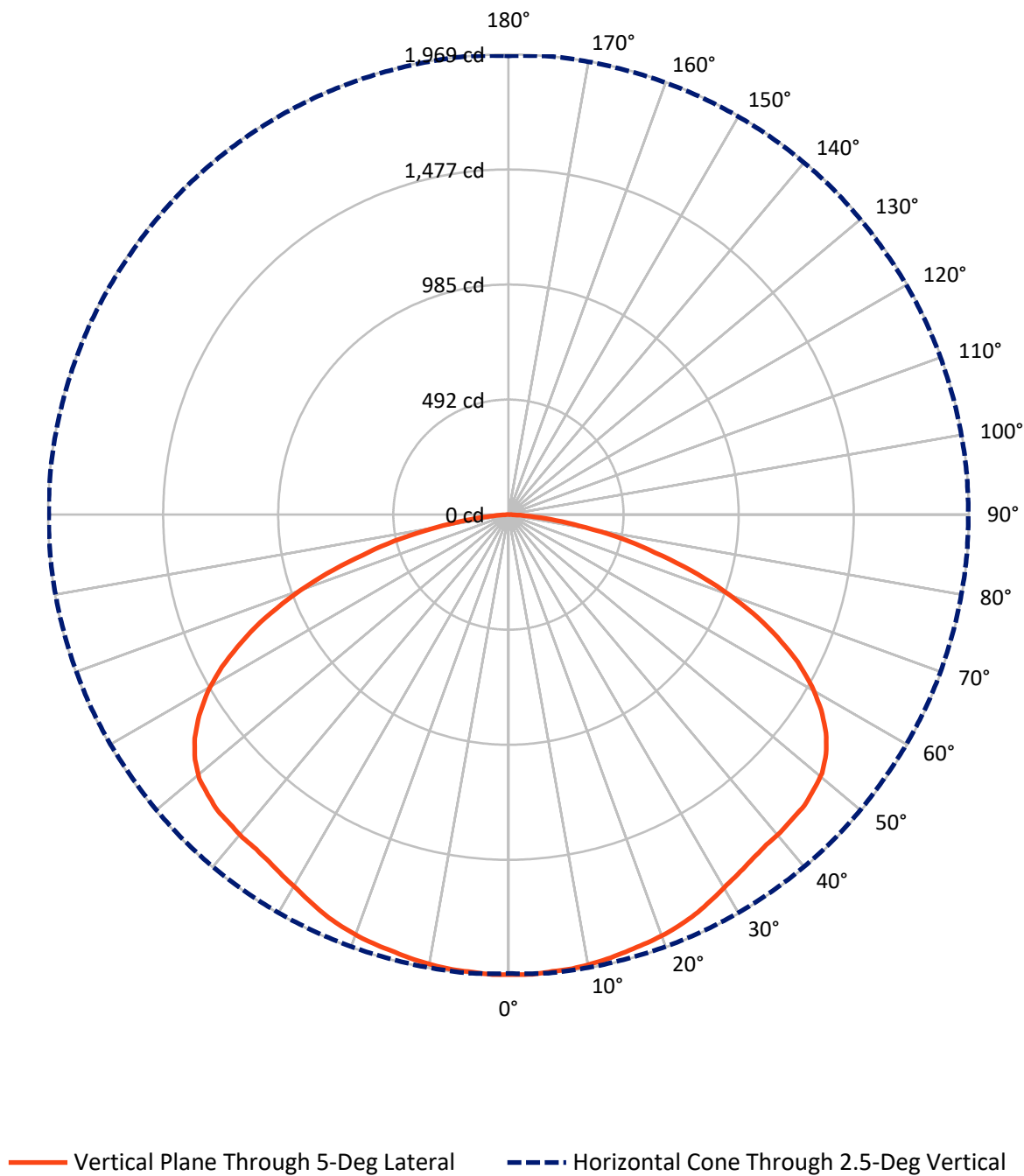


Based on 10 foot mounting height. Maximum calculated value = 19.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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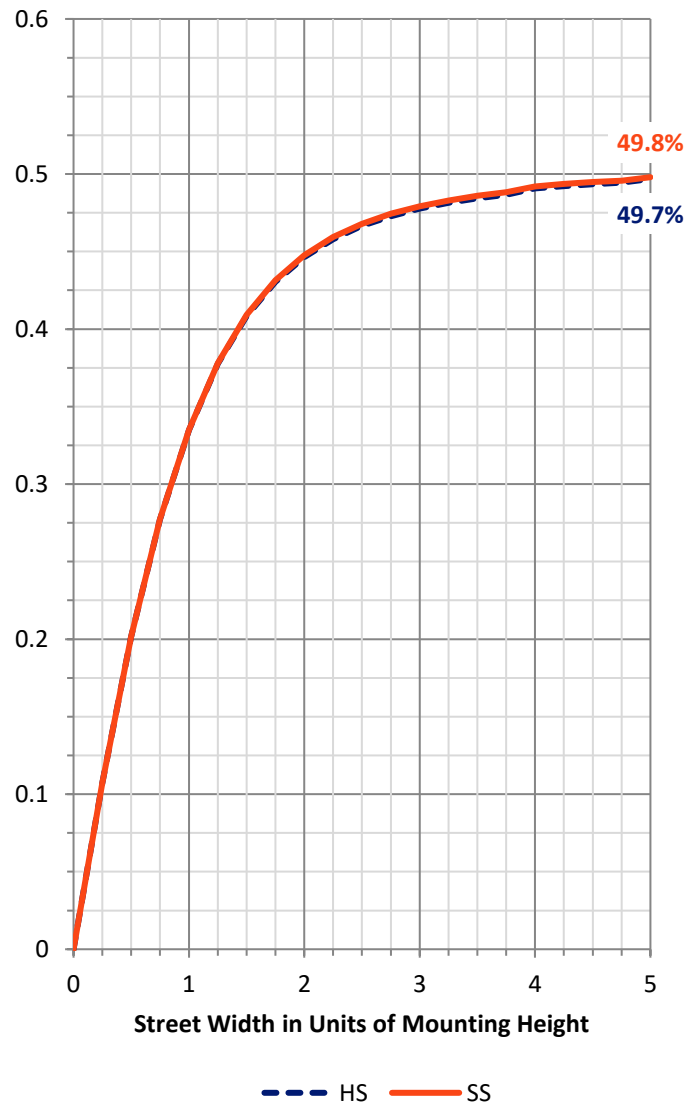
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3933.5	0.0	3933.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3933.5	0.0	3933.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7867.0	0.0	7867.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	2.4
10°-20°	548.2	7.0
20°-30°	871.8	11.1
30°-40°	1146.8	14.6
40°-50°	1403.6	17.8
50°-60°	1520.3	19.3
60°-70°	1307.9	16.6
70°-80°	735.3	9.3
80°-90°	145.8	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°	7867.0	100.0
0°-180°	7867.0	100.0

Coefficient of Utilization



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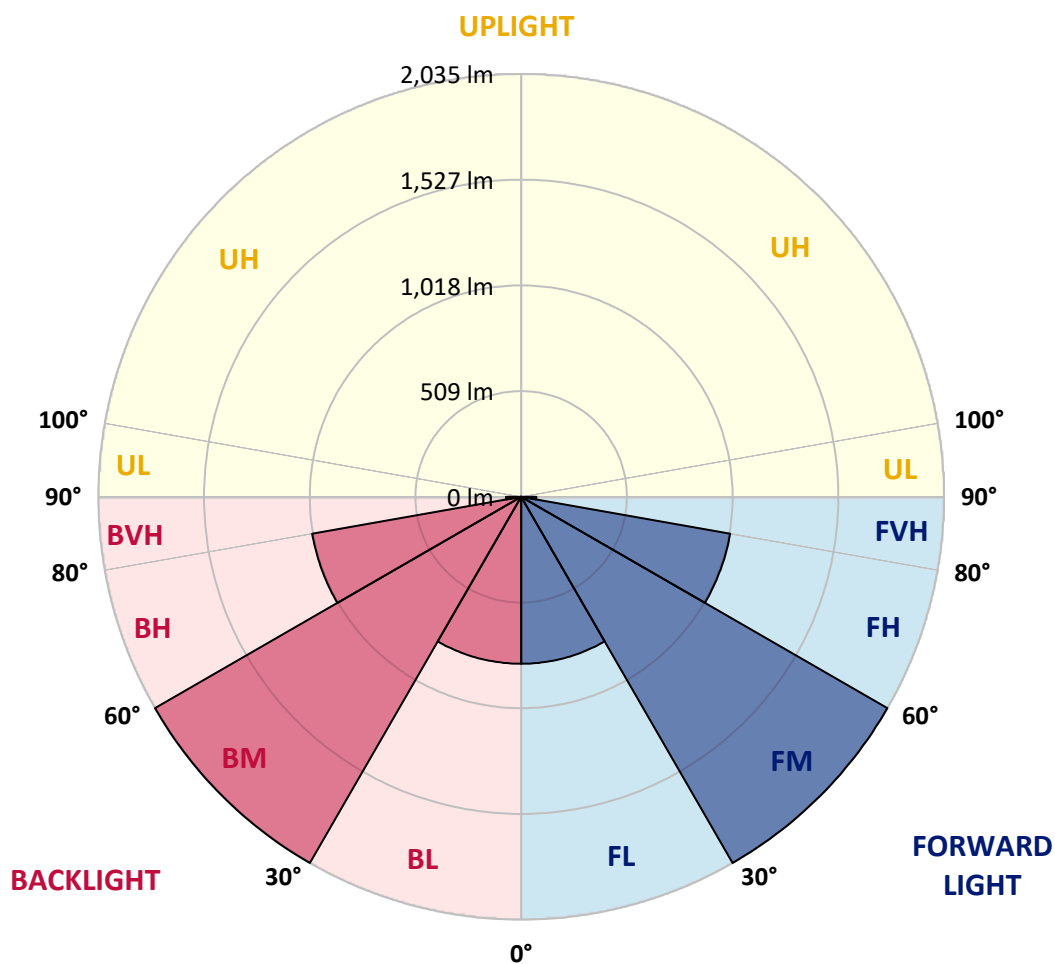
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	803.6	10.2			
FM	(30°-60°)	2035.4	25.9			
FH	(60°-80°)	1021.6	13.0			G1/1800
FVH	(80°-90°)	72.9	0.9			G1/100
BL	(0°-30°)	803.6	10.2	B2/1000		
BM	(30°-60°)	2035.4	25.9	B2/2500		
BH	(60°-80°)	1021.6	13.0	B3/2500		G1/1800
BVH	(80°-90°)	72.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1	1968.1
2.5°	1963.1	1969.3	1966.8	1966.8	1966.8	1966.8	1964.3	1966.8	1966.8	1968.1	1966.8
5°	1964.3	1963.1	1963.1	1964.3	1964.3	1965.6	1963.1	1964.3	1965.6	1965.6	1966.8
7.5°	1960.6	1961.8	1959.3	1961.8	1959.3	1960.6	1960.6	1961.8	1960.6	1961.8	1964.3
10°	1953.1	1954.3	1953.1	1953.1	1953.1	1955.6	1950.6	1954.3	1953.1	1954.3	1953.1
12.5°	1939.3	1945.6	1943.1	1945.6	1945.6	1945.6	1941.8	1944.3	1945.6	1945.6	1945.6
15°	1933.0	1934.3	1930.5	1935.5	1936.8	1938.0	1933.0	1935.5	1935.5	1936.8	1938.0
17.5°	1919.3	1925.5	1924.3	1928.0	1926.8	1930.5	1929.3	1928.0	1926.8	1929.3	1926.8
20°	1909.3	1915.5	1914.3	1918.0	1919.3	1923.0	1919.3	1919.3	1915.5	1916.8	1920.5
22.5°	1899.2	1901.7	1901.7	1905.5	1905.5	1909.3	1905.5	1904.2	1904.2	1903.0	1906.7
25°	1883.0	1884.2	1883.0	1886.7	1889.2	1891.7	1890.5	1888.0	1886.7	1886.7	1885.5
27.5°	1856.7	1861.7	1864.2	1869.2	1870.4	1874.2	1869.2	1869.2	1866.7	1864.2	1865.4
30°	1836.6	1839.1	1839.1	1850.4	1850.4	1856.7	1850.4	1849.2	1847.9	1846.7	1844.1
32.5°	1817.9	1821.6	1825.4	1834.1	1840.4	1842.9	1839.1	1836.6	1830.4	1826.6	1825.4
35°	1802.8	1804.1	1811.6	1824.1	1831.6	1837.9	1832.9	1826.6	1817.9	1811.6	1816.6
37.5°	1791.6	1792.8	1804.1	1820.4	1834.1	1839.1	1831.6	1821.6	1807.8	1800.3	1797.8
40°	1781.5	1789.1	1801.6	1824.1	1839.1	1846.7	1840.4	1826.6	1806.6	1791.6	1790.3
42.5°	1776.5	1780.3	1799.1	1825.4	1846.7	1856.7	1847.9	1829.1	1804.1	1786.6	1785.3
45°	1764.0	1775.3	1792.8	1826.6	1850.4	1862.9	1850.4	1826.6	1796.6	1776.5	1772.8
47.5°	1754.0	1757.8	1785.3	1824.1	1852.9	1862.9	1850.4	1820.4	1782.8	1756.5	1754.0
50°	1730.2	1739.0	1766.5	1807.8	1841.6	1851.7	1836.6	1796.6	1754.0	1725.2	1720.2
52.5°	1693.9	1701.4	1734.0	1785.3	1817.9	1829.1	1806.6	1764.0	1713.9	1678.9	1678.9
55°	1637.6	1648.8	1682.6	1735.2	1776.5	1786.6	1760.3	1715.2	1658.9	1623.8	1622.5
57.5°	1570.0	1577.5	1613.8	1671.4	1711.4	1726.5	1700.2	1650.1	1593.8	1552.4	1548.7
60°	1482.3	1492.3	1531.2	1586.2	1627.6	1640.1	1617.5	1567.5	1509.9	1466.1	1466.1
62.5°	1377.2	1388.4	1427.2	1483.6	1526.1	1544.9	1513.6	1466.1	1406.0	1363.4	1359.6
65°	1254.5	1264.5	1299.5	1358.4	1402.2	1416.0	1392.2	1342.1	1284.5	1244.5	1240.7
67.5°	1116.8	1130.5	1165.6	1215.7	1253.2	1270.7	1255.7	1210.7	1150.6	1109.2	1105.5
70°	967.8	977.8	1005.3	1051.7	1094.2	1106.7	1084.2	1054.2	997.8	960.3	955.3
72.5°	808.8	817.5	840.1	883.9	913.9	930.2	917.7	878.9	833.8	802.5	807.5
75°	648.5	647.3	672.3	703.6	731.1	742.4	733.7	708.6	667.3	641.0	639.8
77.5°	488.3	500.8	509.6	535.8	558.4	567.1	554.6	534.6	503.3	482.0	485.8
80°	343.0	335.5	351.8	368.1	383.1	391.9	384.4	373.1	351.8	335.5	333.0
82.5°	210.3	204.1	211.6	226.6	236.6	239.1	240.4	226.6	217.8	205.3	207.8
85°	92.6	93.9	100.2	110.2	111.4	112.7	112.7	110.2	100.2	98.9	96.4
87.5°	22.5	22.5	23.8	27.5	27.5	28.8	28.8	25.0	23.8	21.3	22.5
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)