

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: P198036

Luminaire Tested: **TT-C6-LED-E1-RW-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34697)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-RW-CG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8238.2 lumens
Efficiency: N/A
Efficacy: 76.3 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): 108
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

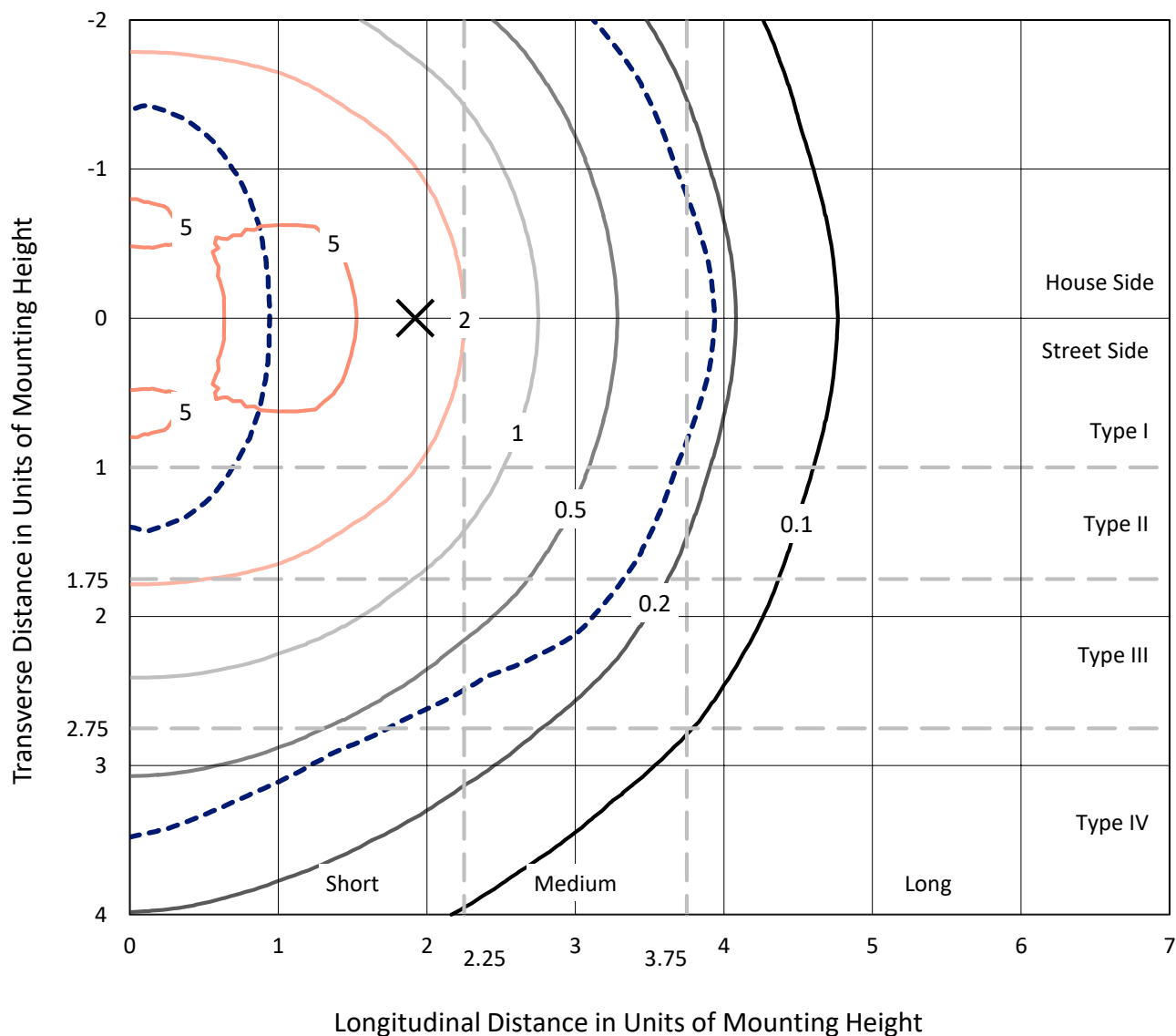


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

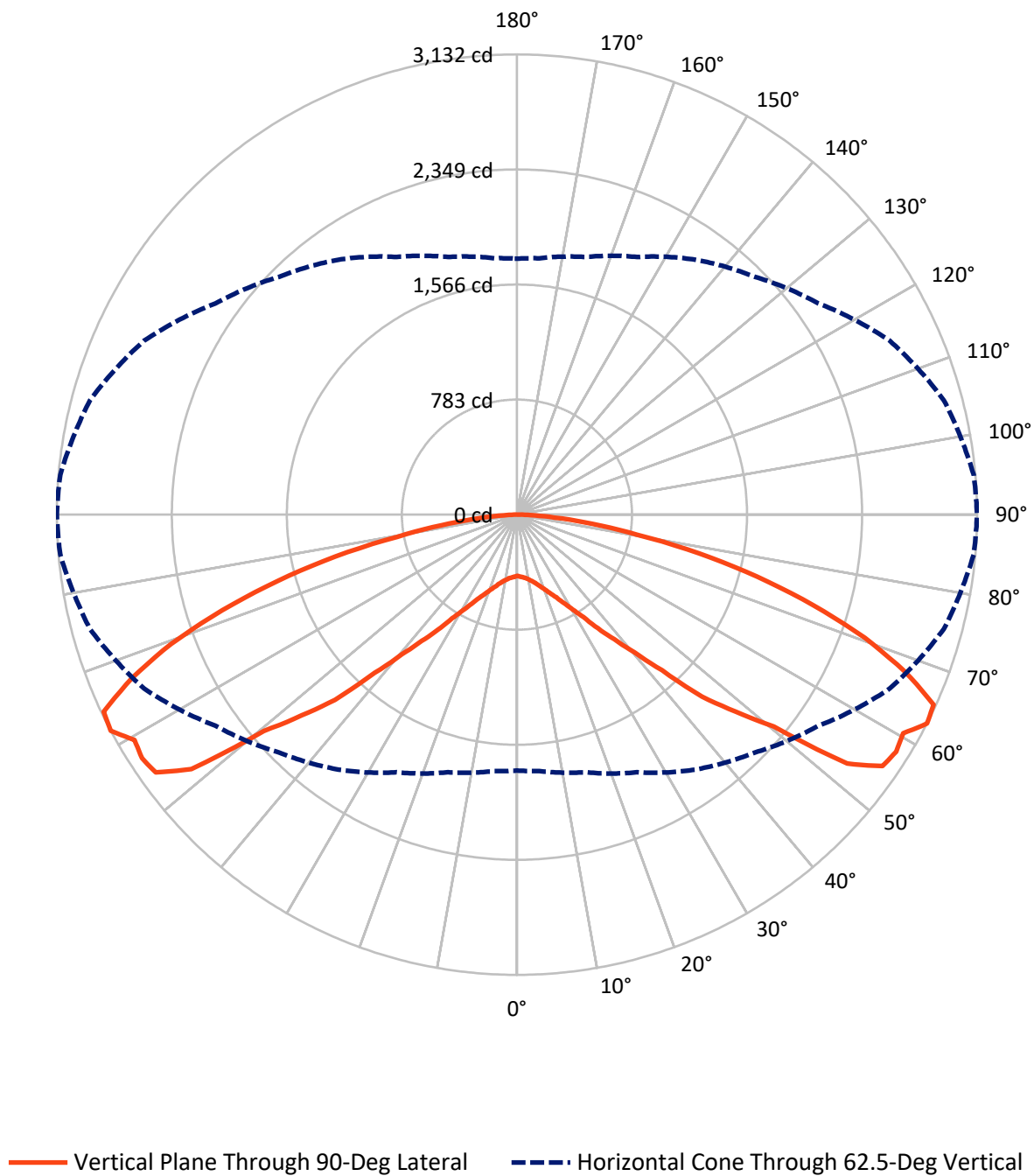


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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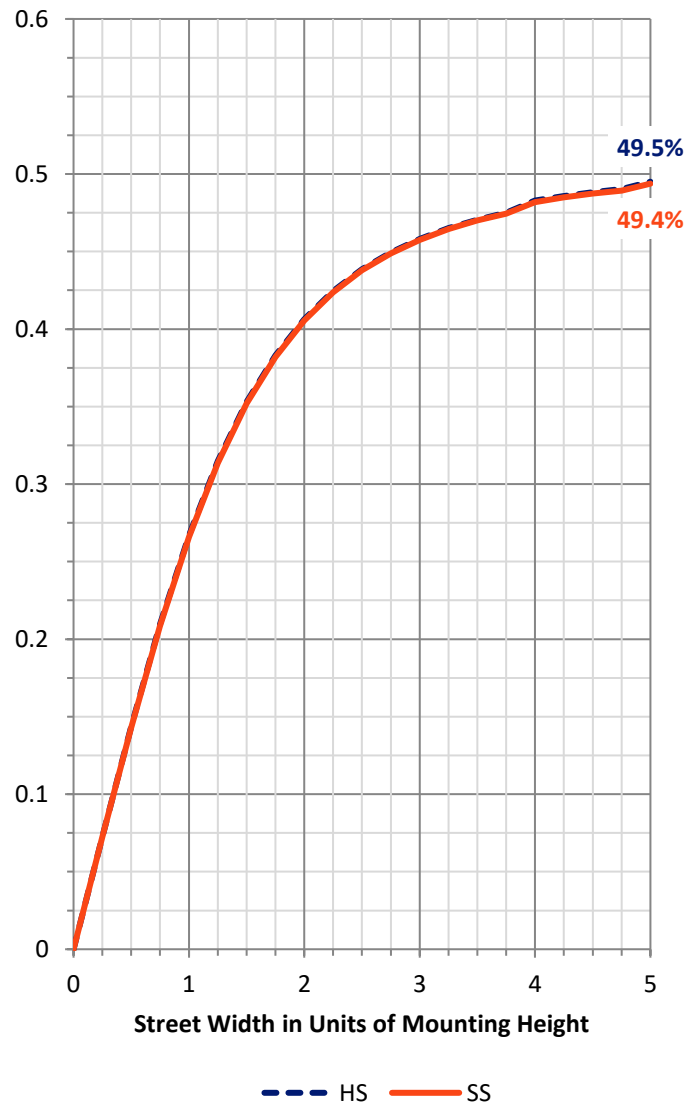
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4119.1	0.0	4119.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4119.1	0.0	4119.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8238.2	0.0	8238.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.5
10°-20°	141.8	1.7
20°-30°	302.9	3.7
30°-40°	589.1	7.2
40°-50°	1110.9	13.5
50°-60°	1898.4	23.0
60°-70°	2286.0	27.7
70°-80°	1538.4	18.7
80°-90°	329.1	4.0
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°	8238.2	100.0
0°-180°	8238.2	100.0

Coefficient of Utilization



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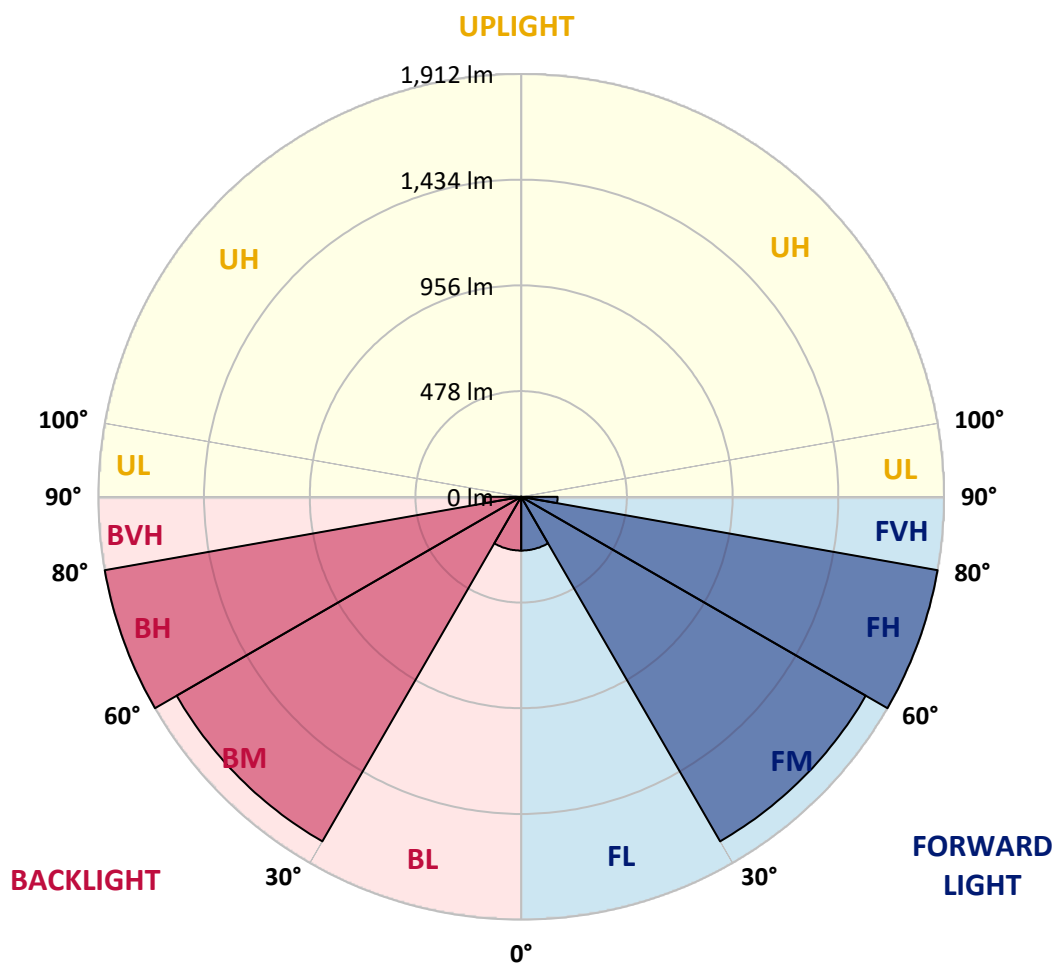
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.1	3.0			
FM	(30°-60°)	1799.2	21.8			
FH	(60°-80°)	1912.2	23.2			G2/5000
FVH	(80°-90°)	164.5	2.0			G2/225
BL	(0°-30°)	243.1	3.0	B1/500		
BM	(30°-60°)	1799.2	21.8	B2/2500		
BH	(60°-80°)	1912.2	23.2	B3/2500		G3/2500
BVH	(80°-90°)	164.5	2.0			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°	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°	420.4	420.4	420.4	420.4	420.4	420.4	422.3	422.3	422.3	422.3	422.3
5°	426.2	426.2	428.1	428.1	430.0	430.0	430.0	430.0	428.1	428.1	428.1
7.5°	435.8	435.8	437.7	439.7	439.7	437.7	437.7	435.8	435.8	435.8	435.8
10°	451.2	451.2	453.2	453.2	451.2	451.2	451.2	449.3	449.3	449.3	449.3
12.5°	468.6	470.5	472.5	470.5	468.6	466.7	466.7	464.7	464.7	464.7	464.7
15°	493.7	497.5	495.6	495.6	493.7	489.8	487.9	486.0	486.0	486.0	486.0
17.5°	532.2	532.2	526.5	522.6	518.7	516.8	514.9	513.0	513.0	513.0	513.0
20°	572.7	570.8	565.0	559.2	553.5	551.5	545.7	543.8	545.7	543.8	543.8
22.5°	620.9	619.0	611.3	605.5	597.8	590.1	588.2	582.4	580.4	578.5	580.4
25°	669.2	671.1	665.3	659.5	647.9	640.2	632.5	628.7	624.8	622.9	622.9
27.5°	725.1	728.9	725.1	713.5	701.9	696.2	684.6	680.7	678.8	680.7	680.7
30°	784.9	786.8	781.0	775.2	763.6	750.1	742.4	744.4	744.4	750.1	748.2
32.5°	858.1	856.2	848.5	844.6	833.1	821.5	817.6	819.6	827.3	831.1	831.1
35°	939.1	933.3	925.6	917.9	908.3	900.6	902.5	917.9	941.1	946.8	950.7
37.5°	1020.1	1010.5	1010.5	998.9	991.2	997.0	1008.6	1037.5	1054.8	1081.8	1076.0
40°	1095.3	1097.3	1093.4	1083.8	1081.8	1101.1	1126.2	1162.8	1207.2	1234.2	1232.2
42.5°	1164.8	1182.1	1170.5	1172.5	1182.1	1213.0	1253.5	1324.8	1413.5	1448.2	1448.2
45°	1241.9	1263.1	1253.5	1259.2	1286.2	1334.5	1421.2	1562.0	1683.5	1766.4	1766.4
47.5°	1321.0	1340.2	1336.4	1348.0	1396.2	1481.0	1614.1	1789.6	1911.0	1992.0	2003.6
50°	1421.2	1413.5	1415.4	1444.4	1527.3	1650.7	1820.4	1994.0	2194.5	2242.7	2265.9
52.5°	1508.0	1484.9	1498.4	1546.6	1666.1	1810.8	2021.0	2327.6	2605.3	2798.1	2813.5
55°	1579.4	1562.0	1589.0	1656.5	1810.8	2001.7	2275.5	2651.6	2881.0	2998.7	3019.9
57.5°	1641.1	1633.4	1677.7	1764.5	1961.2	2194.5	2472.2	2776.9	2937.0	3027.6	3043.0
60°	1697.0	1702.8	1751.0	1866.7	2078.8	2292.9	2516.6	2773.0	2933.1	3004.5	3019.9
62.5°	1741.3	1751.0	1814.6	1934.2	2117.4	2289.0	2505.0	2800.0	3008.3	3120.2	3131.7
65°	1770.3	1779.9	1851.3	1934.2	2105.8	2271.7	2576.3	2827.0	2981.3	3095.1	3116.3
67.5°	1774.1	1787.6	1830.1	1899.5	2044.1	2190.7	2452.9	2634.2	2757.6	2827.0	2846.3
70°	1751.0	1747.1	1762.6	1791.5	1878.3	1978.5	2200.3	2335.3	2424.0	2495.4	2512.7
72.5°	1662.3	1656.5	1619.9	1587.1	1619.9	1698.9	1889.8	1980.5	2040.3	2098.1	2109.7
75°	1492.6	1465.6	1375.0	1328.7	1319.0	1388.5	1535.0	1592.9	1616.0	1681.6	1689.3
77.5°	1193.7	1182.1	1105.0	1024.0	1016.3	1058.7	1170.5	1195.6	1176.3	1247.7	1268.9
80°	871.6	856.2	782.9	723.2	707.7	736.6	802.2	808.0	794.5	829.2	829.2
82.5°	557.3	541.9	511.0	466.7	433.9	451.2	501.4	501.4	501.4	511.0	516.8
85°	287.3	281.5	258.4	237.2	225.6	229.5	246.8	248.8	258.4	264.2	256.5
87.5°	81.0	84.8	81.0	71.4	69.4	67.5	75.2	77.1	82.9	86.8	90.6
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)