

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: P198034

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198034
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8380.1 lumens
Efficiency: N/A
Efficacy: 77.6 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

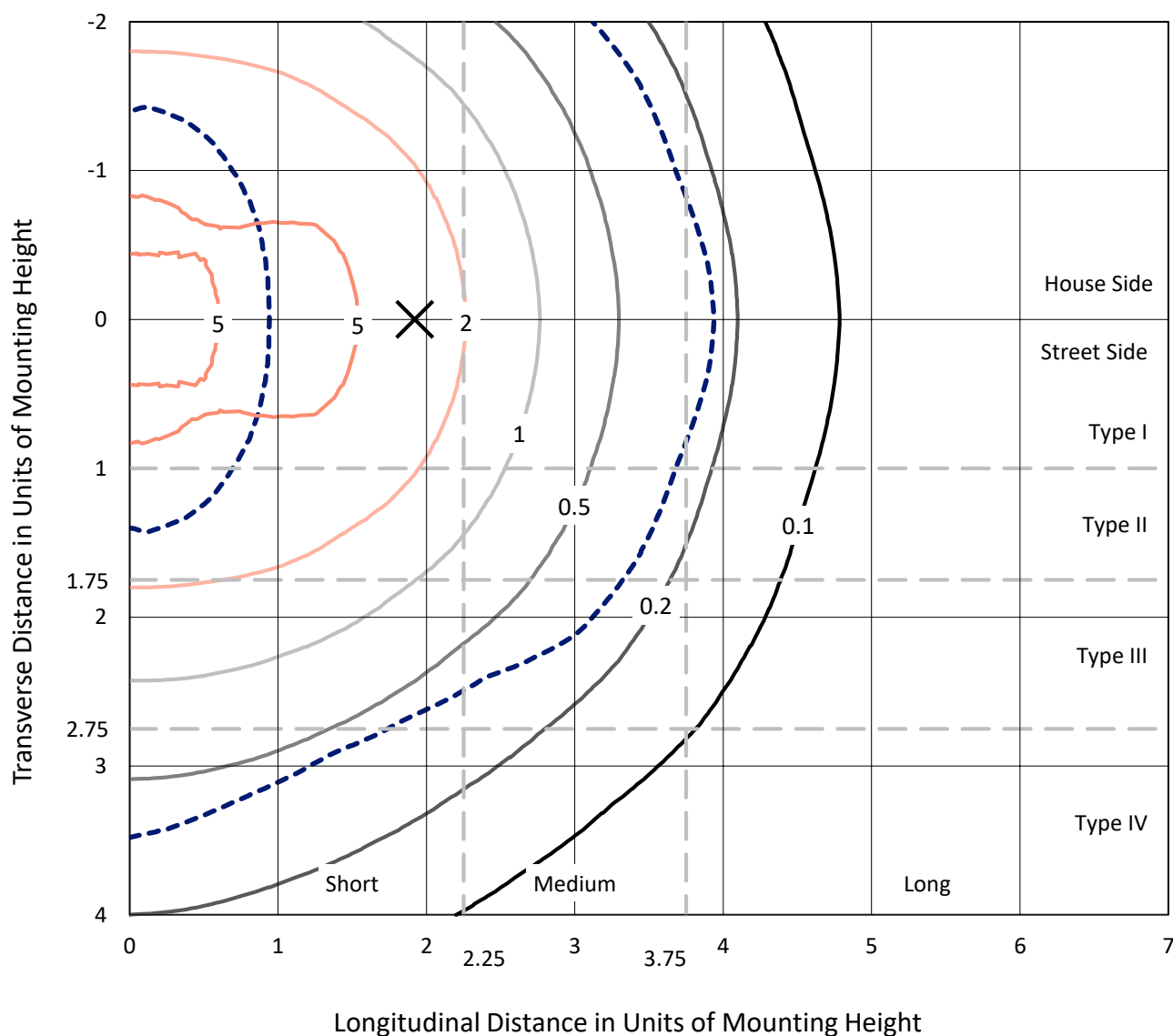


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

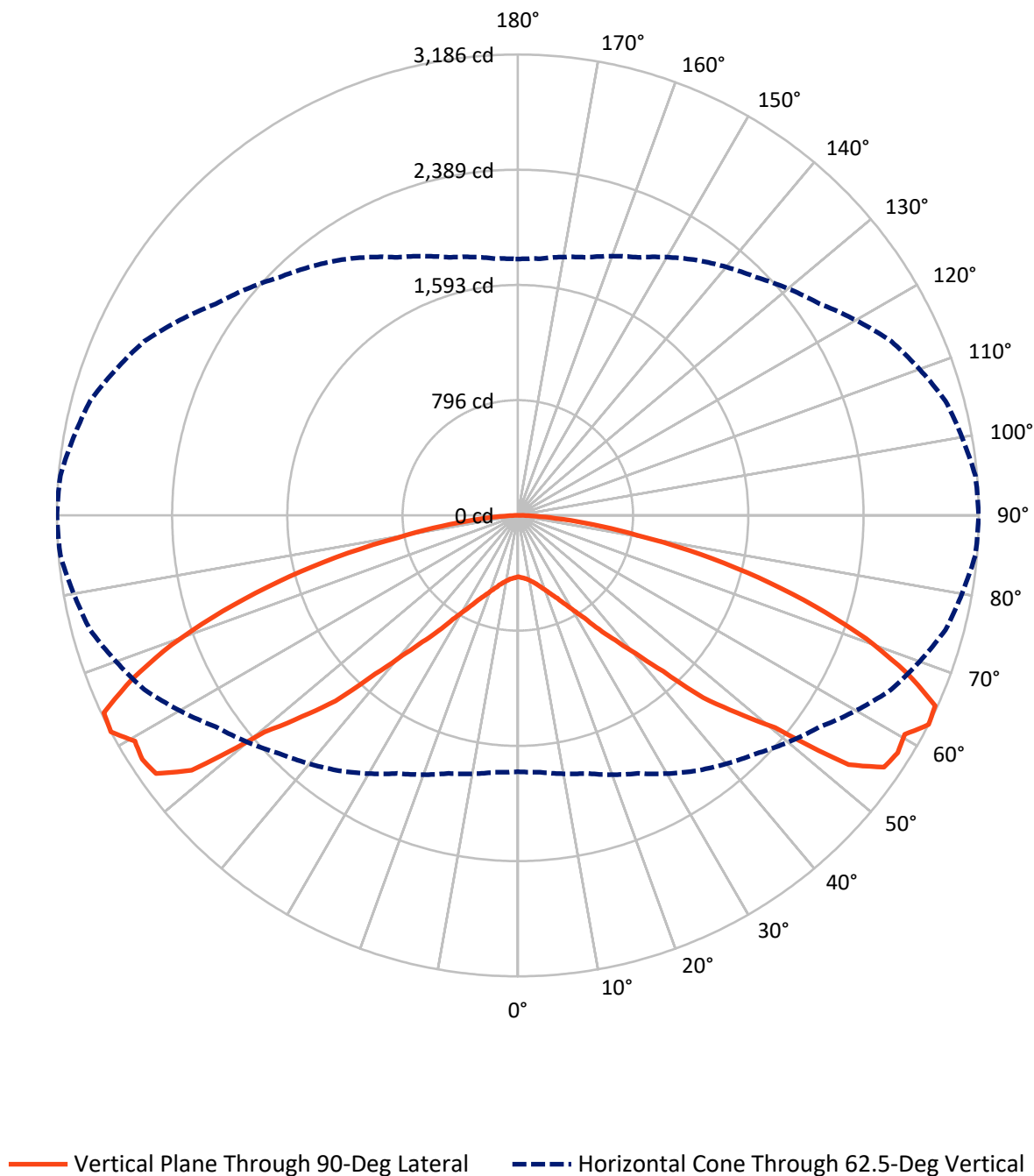


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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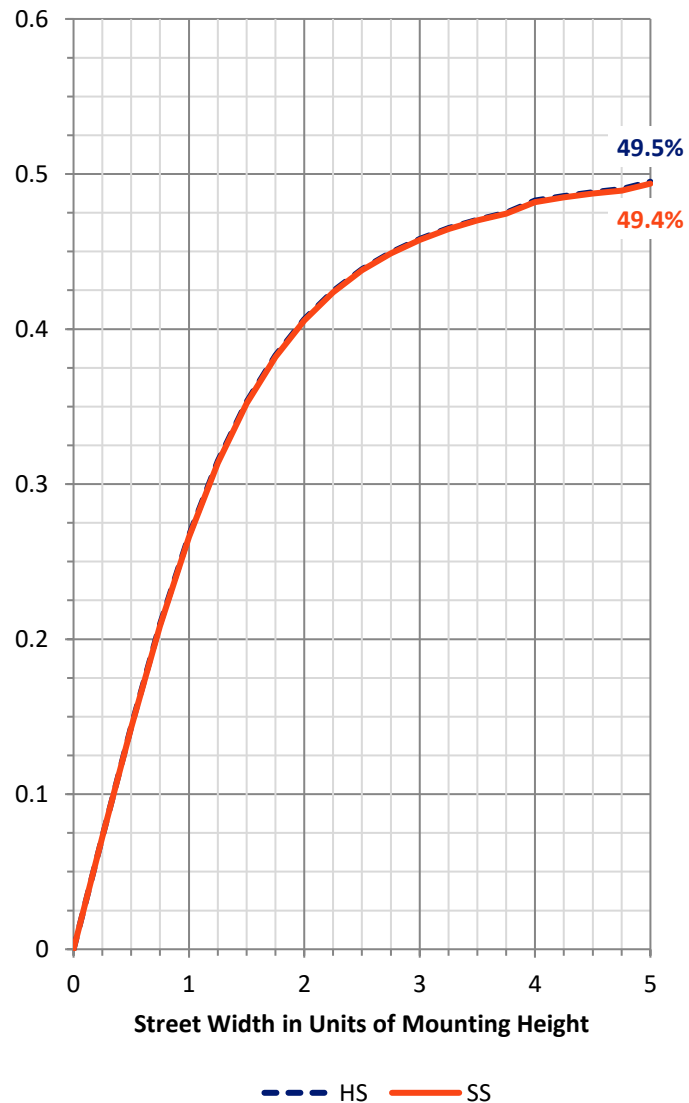
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4190.1	0.0	4190.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4190.1	0.0	4190.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8380.1	0.0	8380.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	0.5
10°-20°	144.2	1.7
20°-30°	308.2	3.7
30°-40°	599.3	7.2
40°-50°	1130.1	13.5
50°-60°	1931.1	23.0
60°-70°	2325.4	27.7
70°-80°	1564.9	18.7
80°-90°	334.7	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°	8380.1	100.0
0°-180°	8380.1	100.0

Coefficient of Utilization



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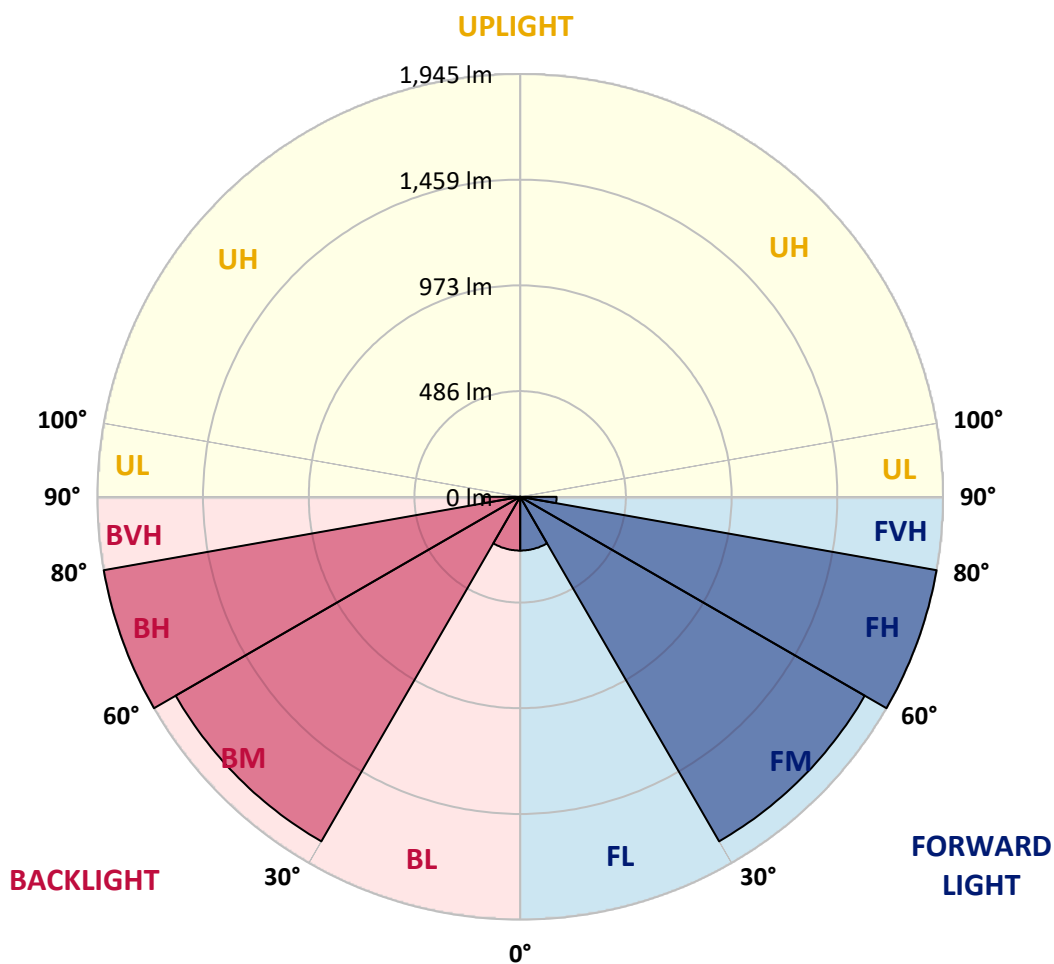
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.3	3.0			
FM	(30°-60°)	1830.2	21.8			
FH	(60°-80°)	1945.2	23.2			G2/5000
FVH	(80°-90°)	167.4	2.0			G2/225
BL	(0°-30°)	247.3	3.0	B1/500		
BM	(30°-60°)	1830.2	21.8	B2/2500		
BH	(60°-80°)	1945.2	23.2	B3/2500		G3/2500
BVH	(80°-90°)	167.4	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°	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7	423.7
2.5°	427.6	427.6	427.6	427.6	427.6	427.6	429.6	429.6	429.6	429.6	429.6
5°	433.5	433.5	435.5	435.5	437.4	437.4	437.4	437.4	435.5	435.5	435.5
7.5°	443.3	443.3	445.3	447.3	447.3	445.3	445.3	443.3	443.3	443.3	443.3
10°	459.0	459.0	461.0	461.0	459.0	459.0	459.0	457.1	457.1	457.1	457.1
12.5°	476.7	478.6	480.6	478.6	476.7	474.7	474.7	472.8	472.8	472.8	472.8
15°	502.2	506.1	504.1	504.1	502.2	498.3	496.3	494.3	494.3	494.3	494.3
17.5°	541.4	541.4	535.5	531.6	527.7	525.7	523.8	521.8	521.8	521.8	521.8
20°	582.6	580.6	574.8	568.9	563.0	561.0	555.1	553.2	555.1	553.2	553.2
22.5°	631.6	629.7	621.8	616.0	608.1	600.3	598.3	592.4	590.5	588.5	590.5
25°	680.7	682.6	676.8	670.9	659.1	651.3	643.4	639.5	635.6	633.6	633.6
27.5°	737.6	741.5	737.6	725.8	714.0	708.2	696.4	692.5	690.5	692.5	692.5
30°	798.4	800.3	794.5	788.6	776.8	763.1	755.2	757.2	757.2	763.1	761.1
32.5°	872.9	871.0	863.1	859.2	847.4	835.7	831.7	833.7	841.5	845.5	845.5
35°	955.3	949.4	941.6	933.7	923.9	916.1	918.0	933.7	957.3	963.2	967.1
37.5°	1037.7	1027.9	1027.9	1016.1	1008.3	1014.2	1025.9	1055.4	1073.0	1100.5	1094.6
40°	1114.2	1116.2	1112.2	1102.4	1100.5	1120.1	1145.6	1182.9	1228.0	1255.4	1253.5
42.5°	1184.8	1202.5	1190.7	1192.7	1202.5	1233.9	1275.1	1347.6	1437.9	1473.2	1473.2
45°	1263.3	1284.9	1275.1	1280.9	1308.4	1357.5	1445.7	1588.9	1712.5	1796.9	1796.9
47.5°	1343.7	1363.3	1359.4	1371.2	1420.2	1506.5	1641.9	1820.4	1944.0	2026.4	2038.1
50°	1445.7	1437.9	1439.8	1469.3	1553.6	1679.2	1851.8	2028.3	2232.3	2281.4	2304.9
52.5°	1534.0	1510.5	1524.2	1573.2	1694.9	1842.0	2055.8	2367.7	2650.2	2846.3	2862.0
55°	1606.6	1588.9	1616.4	1685.0	1842.0	2036.2	2314.7	2697.2	2930.7	3050.3	3071.9
57.5°	1669.4	1661.5	1706.6	1794.9	1995.0	2232.3	2514.8	2824.8	2987.6	3079.8	3095.5
60°	1726.2	1732.1	1781.2	1898.9	2114.6	2332.4	2559.9	2820.8	2983.6	3056.2	3071.9
62.5°	1771.4	1781.2	1845.9	1967.5	2153.9	2328.5	2548.2	2848.3	3060.2	3173.9	3185.7
65°	1800.8	1810.6	1883.2	1967.5	2142.1	2310.8	2620.7	2875.8	3032.7	3148.4	3170.0
67.5°	1804.7	1818.4	1861.6	1932.2	2079.3	2228.4	2495.2	2679.6	2805.1	2875.8	2895.4
70°	1781.2	1777.2	1792.9	1822.4	1910.6	2012.6	2238.2	2375.5	2465.8	2538.4	2556.0
72.5°	1690.9	1685.0	1647.8	1614.4	1647.8	1728.2	1922.4	2014.6	2075.4	2134.3	2146.0
75°	1518.3	1490.8	1398.6	1351.6	1341.8	1412.4	1561.5	1620.3	1643.8	1710.5	1718.4
77.5°	1214.3	1202.5	1124.0	1041.6	1033.8	1076.9	1190.7	1216.2	1196.6	1269.2	1290.8
80°	886.7	871.0	796.4	735.6	719.9	749.3	816.0	821.9	808.2	843.5	843.5
82.5°	566.9	551.2	519.8	474.7	441.4	459.0	510.0	510.0	510.0	519.8	525.7
85°	292.3	286.4	262.9	241.3	229.5	233.4	251.1	253.1	262.9	268.7	260.9
87.5°	82.4	86.3	82.4	72.6	70.6	68.7	76.5	78.5	84.4	88.3	92.2
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)