

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: P198035

Luminaire Tested: **TT-C6-LED-E1-RW-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198035
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8300.8 lumens
Efficiency: N/A
Efficacy: 76.9 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

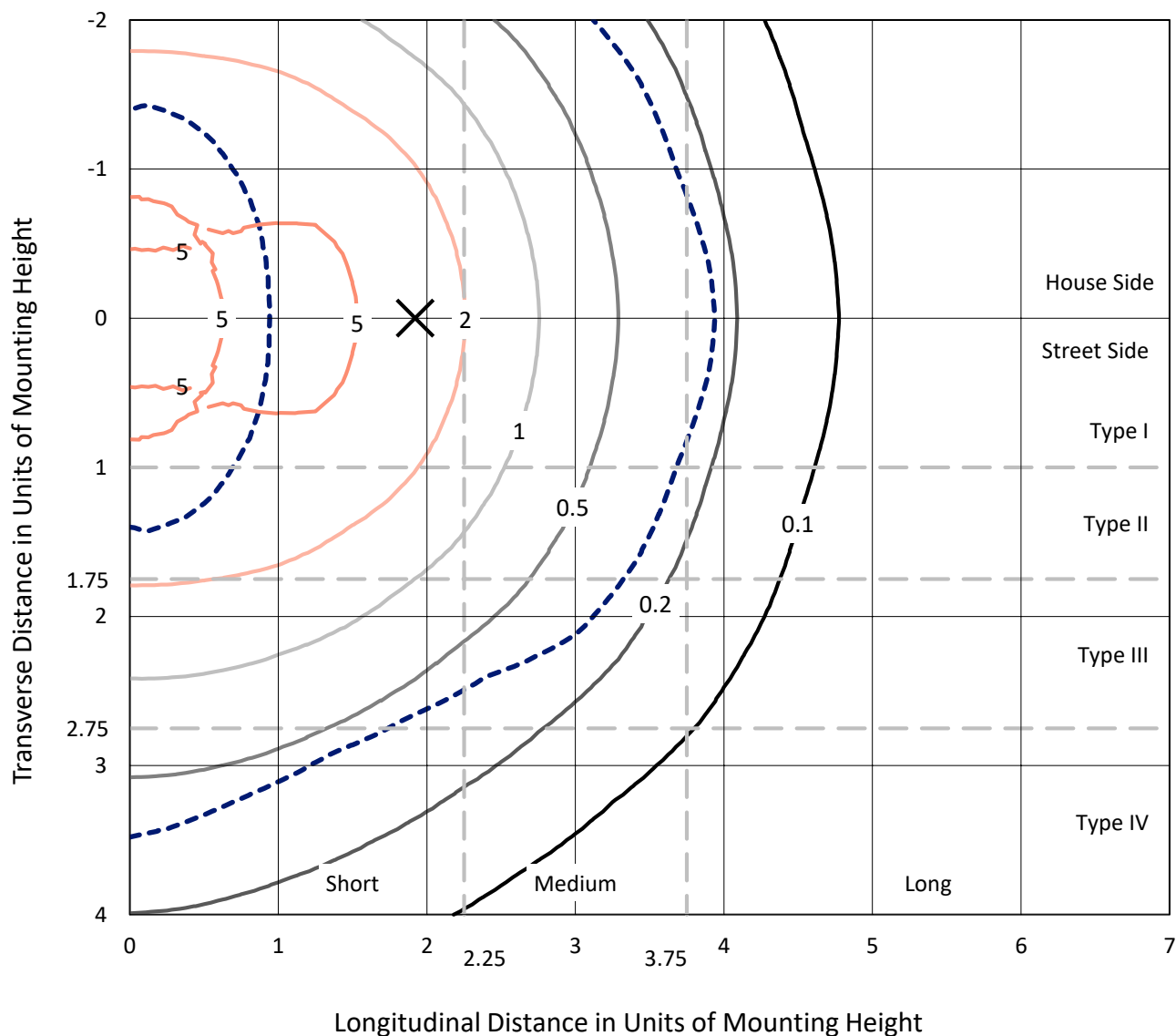


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

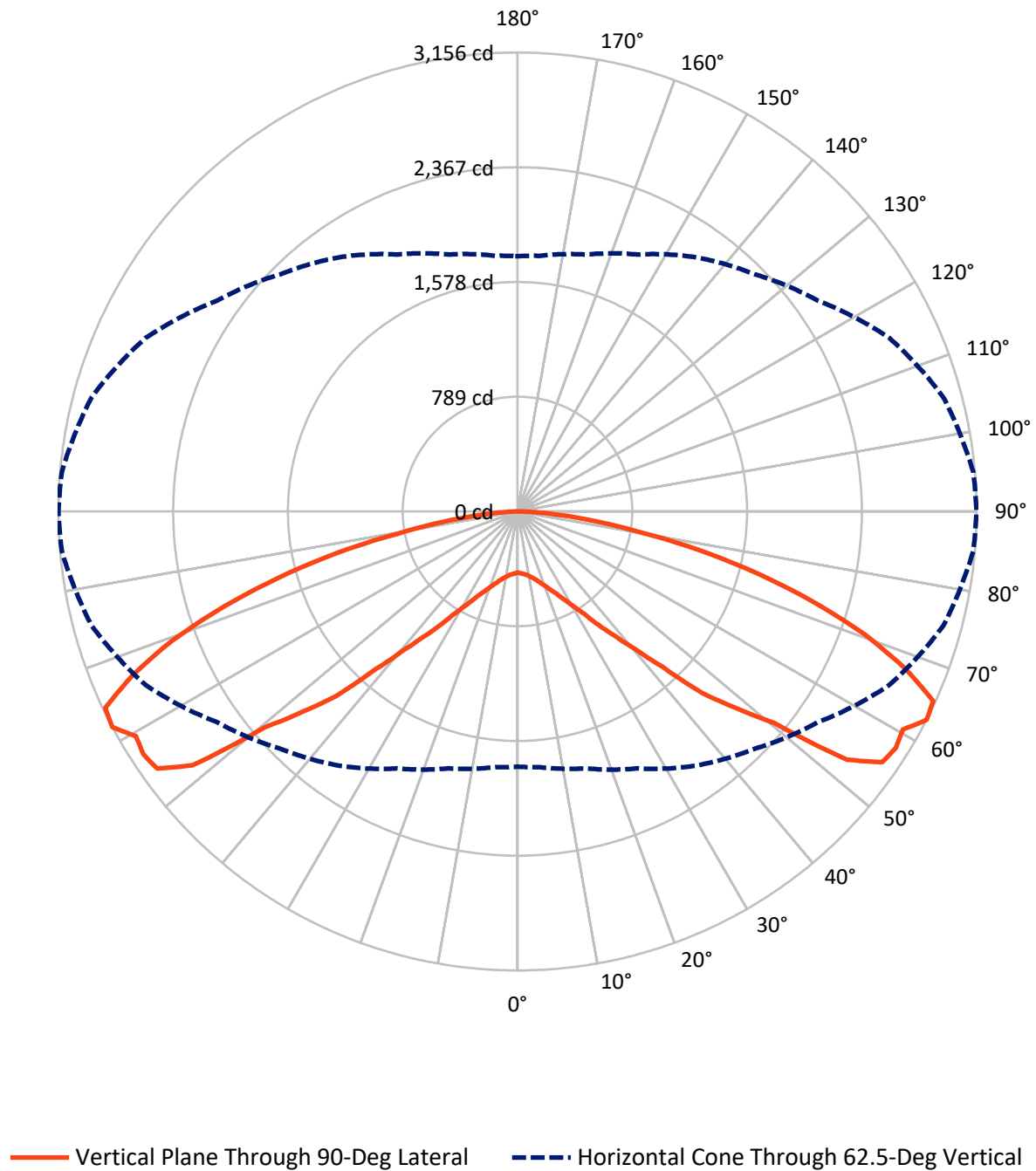


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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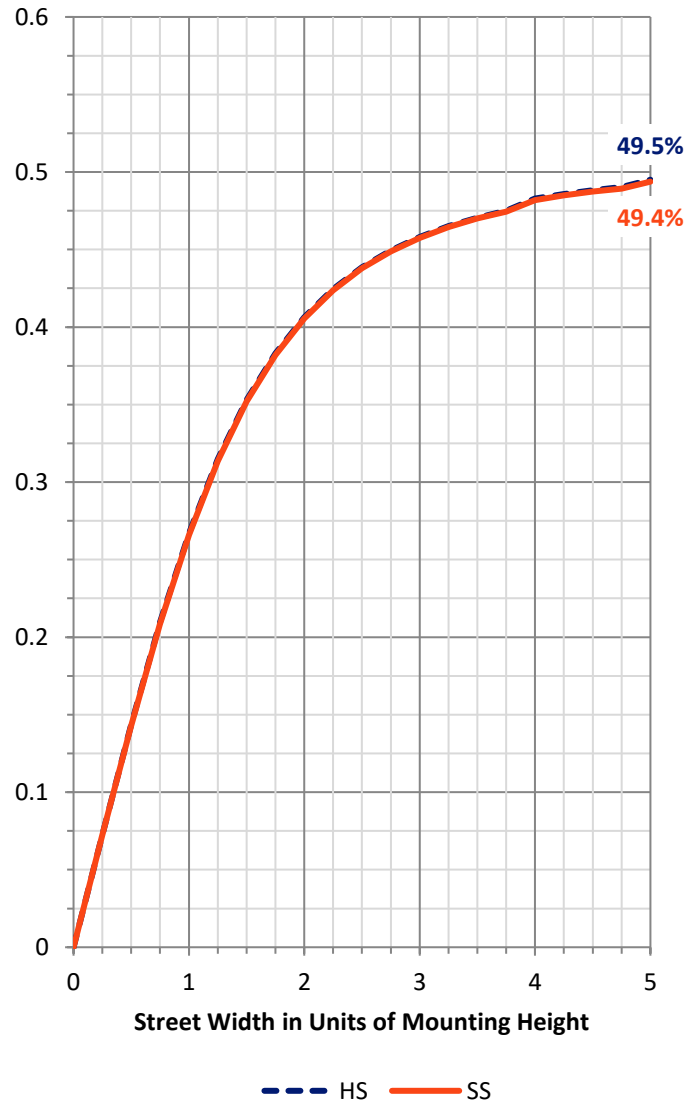
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4150.4	0.0	4150.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4150.4	0.0	4150.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8300.8	0.0	8300.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	0.5
10°-20°	142.8	1.7
20°-30°	305.3	3.7
30°-40°	593.6	7.2
40°-50°	1119.4	13.5
50°-60°	1912.8	23.0
60°-70°	2303.4	27.7
70°-80°	1550.1	18.7
80°-90°	331.6	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°	8300.8	100.0
0°-180°	8300.8	100.0

Coefficient of Utilization



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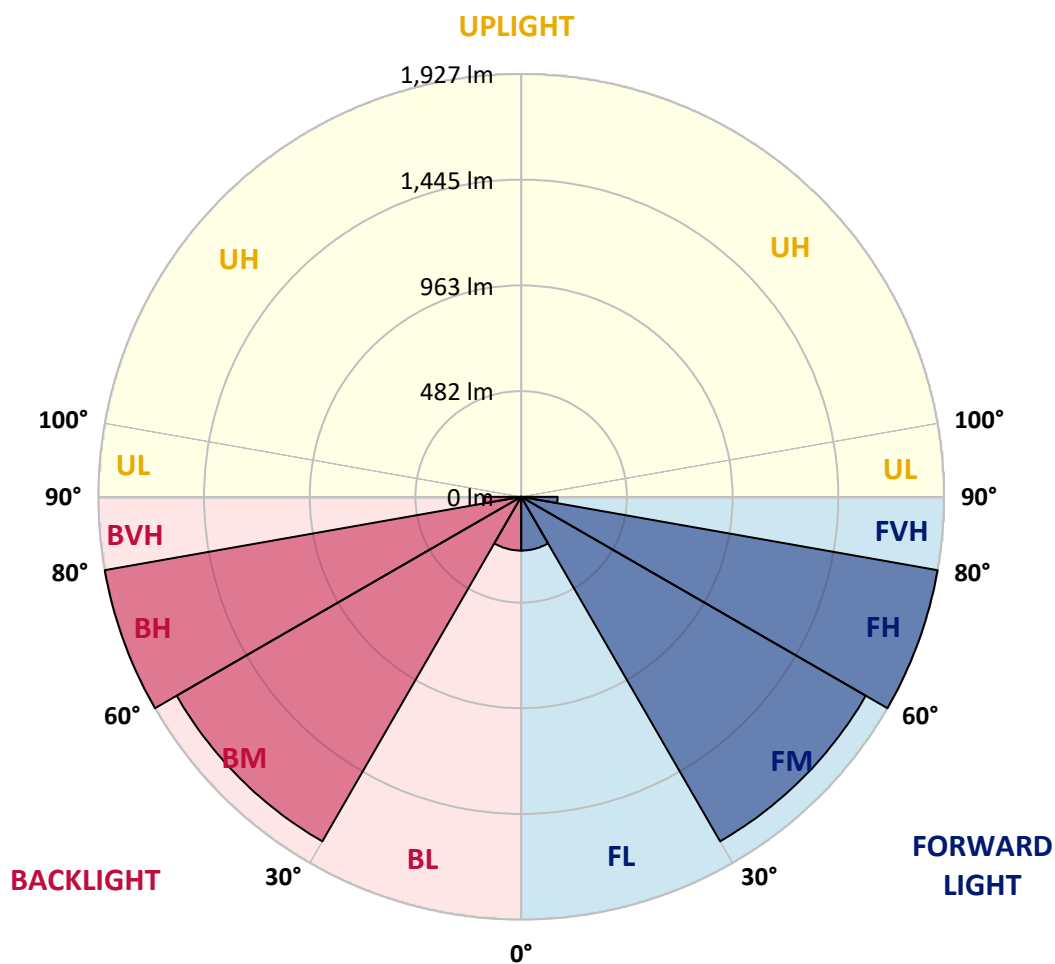
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.0	3.0			
FM	(30°-60°)	1812.9	21.8			
FH	(60°-80°)	1926.7	23.2			G2/5000
FVH	(80°-90°)	165.8	2.0			G2/225
BL	(0°-30°)	245.0	3.0	B1/500		
BM	(30°-60°)	1812.9	21.8	B2/2500		
BH	(60°-80°)	1926.7	23.2	B3/2500		G3/2500
BVH	(80°-90°)	165.8	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°	419.7	419.7	419.7	419.7	419.7	419.7	419.7	419.7	419.7	419.7	419.7
2.5°	423.6	423.6	423.6	423.6	423.6	423.6	425.5	425.5	425.5	425.5	425.5
5°	429.4	429.4	431.4	431.4	433.3	433.3	433.3	433.3	431.4	431.4	431.4
7.5°	439.1	439.1	441.1	443.0	443.0	441.1	441.1	439.1	439.1	439.1	439.1
10°	454.7	454.7	456.6	456.6	454.7	454.7	454.7	452.7	452.7	452.7	452.7
12.5°	472.2	474.1	476.1	474.1	472.2	470.2	470.2	468.3	468.3	468.3	468.3
15°	497.4	501.3	499.4	499.4	497.4	493.5	491.6	489.7	489.7	489.7	489.7
17.5°	536.3	536.3	530.5	526.6	522.7	520.7	518.8	516.9	516.9	516.9	516.9
20°	577.1	575.2	569.3	563.5	557.7	555.7	549.9	547.9	549.9	547.9	547.9
22.5°	625.7	623.7	616.0	610.1	602.4	594.6	592.6	586.8	584.9	582.9	584.9
25°	674.2	676.2	670.4	664.5	652.9	645.1	637.3	633.4	629.6	627.6	627.6
27.5°	730.6	734.5	730.6	718.9	707.3	701.4	689.8	685.9	684.0	685.9	685.9
30°	790.8	792.8	786.9	781.1	769.5	755.9	748.1	750.0	750.0	755.9	753.9
32.5°	864.7	862.7	855.0	851.1	839.4	827.7	823.9	825.8	833.6	837.5	837.5
35°	946.3	940.4	932.7	924.9	915.2	907.4	909.4	924.9	948.2	954.0	957.9
37.5°	1027.9	1018.2	1018.2	1006.5	998.7	1004.6	1016.2	1045.4	1062.9	1090.1	1084.2
40°	1103.7	1105.6	1101.7	1092.0	1090.1	1109.5	1134.8	1171.7	1216.4	1243.6	1241.6
42.5°	1173.6	1191.1	1179.4	1181.4	1191.1	1222.2	1263.0	1334.9	1424.3	1459.2	1459.2
45°	1251.3	1272.7	1263.0	1268.8	1296.0	1344.6	1432.0	1573.9	1696.3	1779.9	1779.9
47.5°	1331.0	1350.4	1346.6	1358.2	1406.8	1492.3	1626.4	1803.2	1925.6	2007.2	2018.9
50°	1432.0	1424.3	1426.2	1455.4	1538.9	1663.3	1834.3	2009.1	2211.2	2259.8	2283.1
52.5°	1519.5	1496.2	1509.8	1558.3	1678.8	1824.5	2036.3	2345.3	2625.1	2819.4	2834.9
55°	1591.4	1573.9	1601.1	1669.1	1824.5	2016.9	2292.8	2671.7	2903.0	3021.5	3042.9
57.5°	1653.6	1645.8	1690.5	1777.9	1976.1	2211.2	2491.0	2798.0	2959.3	3050.6	3066.2
60°	1709.9	1715.7	1764.3	1880.9	2094.6	2310.3	2535.7	2794.1	2955.4	3027.3	3042.9
62.5°	1754.6	1764.3	1828.4	1948.9	2133.5	2306.4	2524.1	2821.3	3031.2	3143.9	3155.6
65°	1783.7	1793.5	1865.4	1948.9	2121.8	2288.9	2595.9	2848.5	3004.0	3118.6	3140.0
67.5°	1787.6	1801.2	1844.0	1913.9	2059.7	2207.3	2471.6	2654.2	2778.6	2848.5	2868.0
70°	1764.3	1760.4	1776.0	1805.1	1892.6	1993.6	2217.0	2353.1	2442.4	2514.3	2531.8
72.5°	1674.9	1669.1	1632.2	1599.2	1632.2	1711.8	1904.2	1995.5	2055.8	2114.1	2125.7
75°	1503.9	1476.7	1385.4	1338.8	1329.1	1399.0	1546.7	1605.0	1628.3	1694.4	1702.1
77.5°	1202.8	1191.1	1113.4	1031.8	1024.0	1066.7	1179.4	1204.7	1185.3	1257.2	1278.5
80°	878.3	862.7	788.9	728.7	713.1	742.3	808.3	814.1	800.5	835.5	835.5
82.5°	561.5	546.0	514.9	470.2	437.2	454.7	505.2	505.2	505.2	514.9	520.7
85°	289.5	283.7	260.4	239.0	227.3	231.2	248.7	250.7	260.4	266.2	258.4
87.5°	81.6	85.5	81.6	71.9	70.0	68.0	75.8	77.7	83.6	87.4	91.3
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)