

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: P198129

Luminaire Tested: **TT-C6-LED-E1-RW-SG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
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-SG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6816.3 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full 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



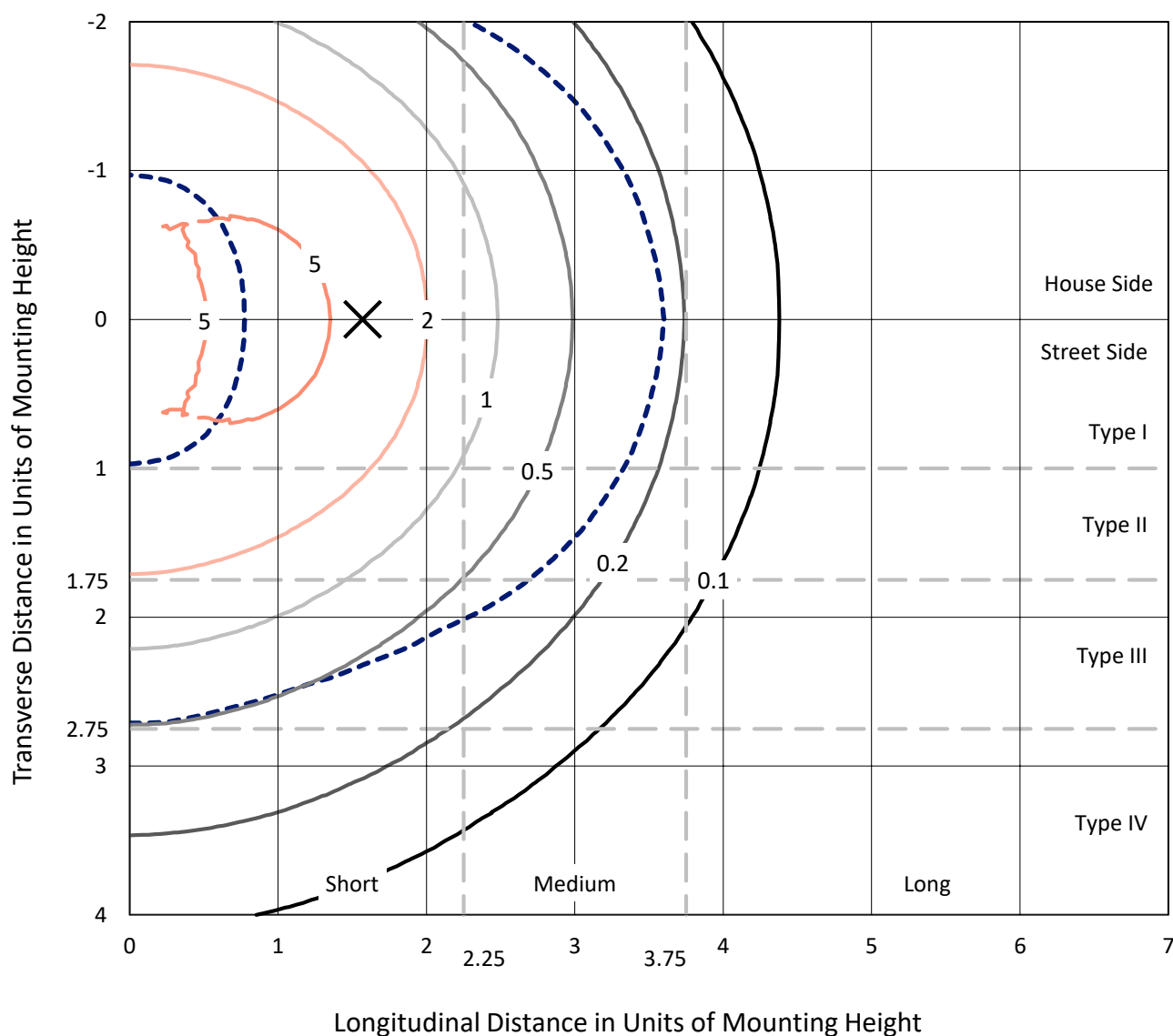
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

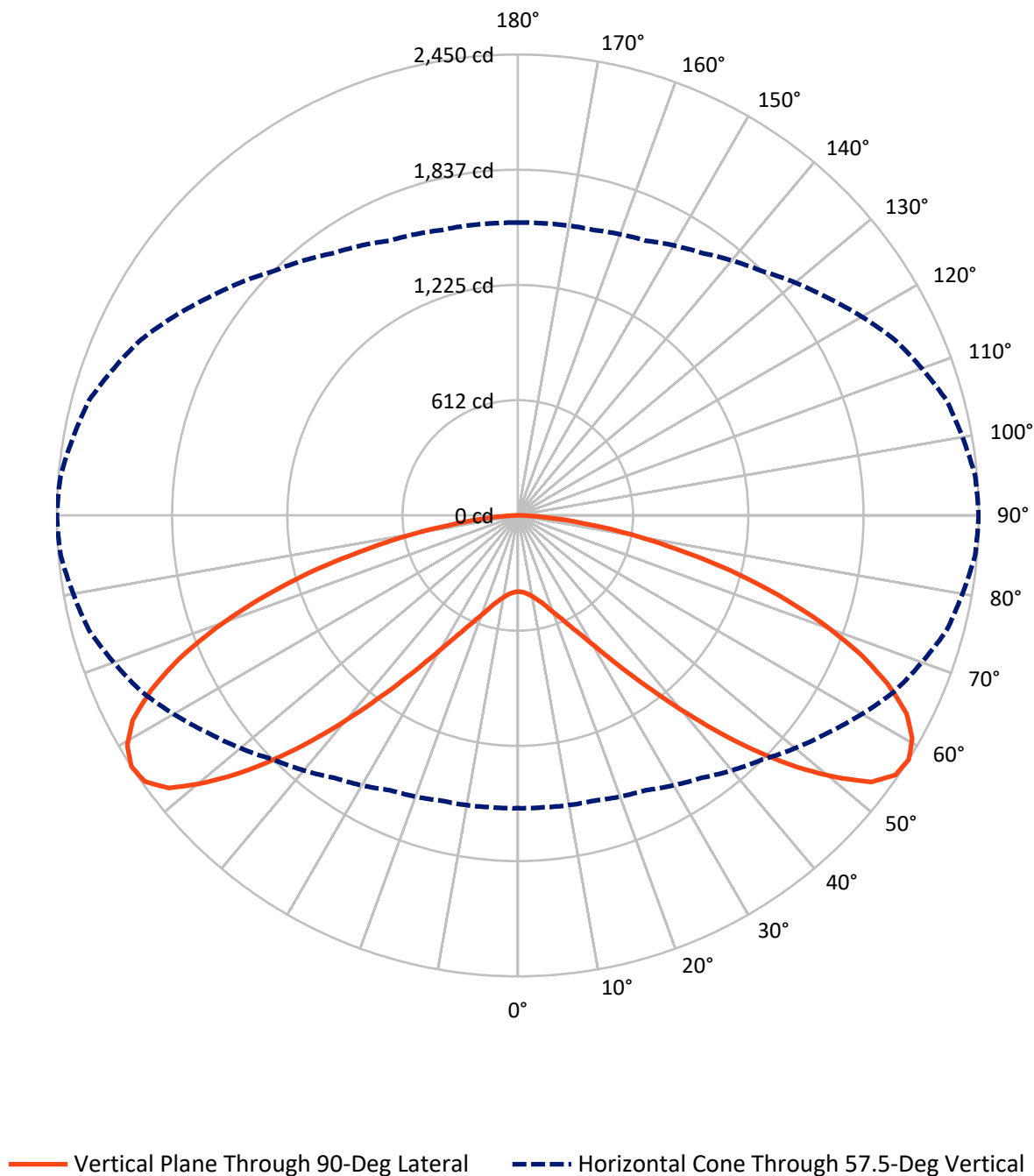


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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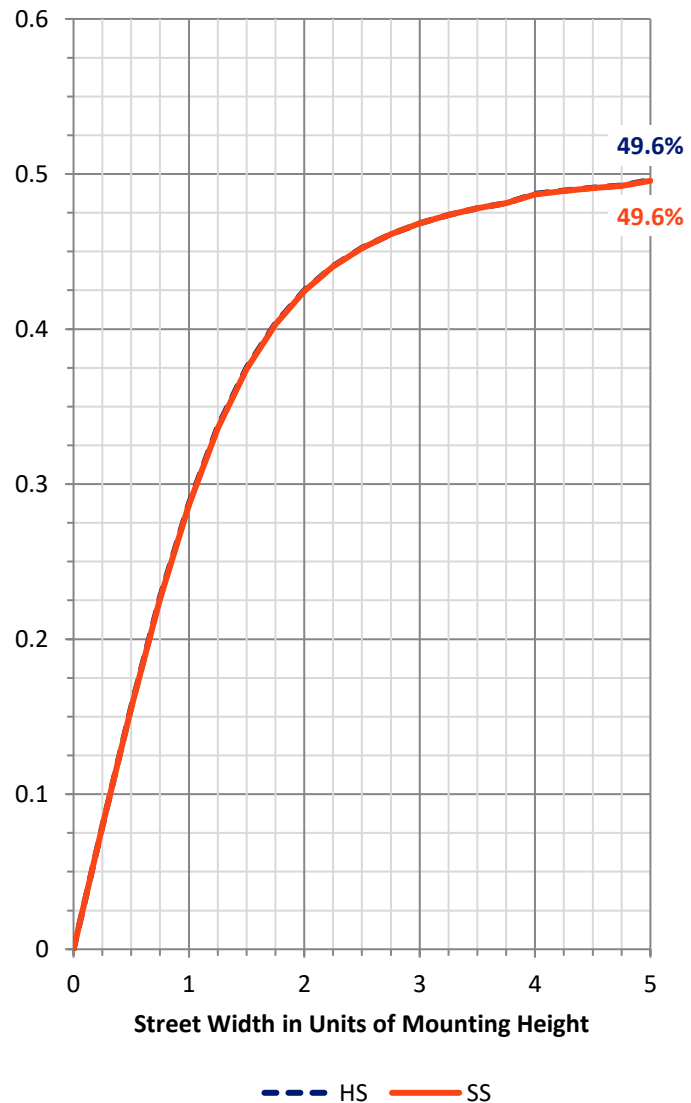
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3408.2	0.0	3408.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3408.2	0.0	3408.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6816.3	0.0	6816.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	0.6
10°-20°	139.2	2.0
20°-30°	303.6	4.5
30°-40°	609.5	8.9
40°-50°	1138.2	16.7
50°-60°	1676.3	24.6
60°-70°	1688.8	24.8
70°-80°	1008.1	14.8
80°-90°	212.4	3.1
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°	6816.3	100.0
0°-180°	6816.3	100.0

Coefficient of Utilization



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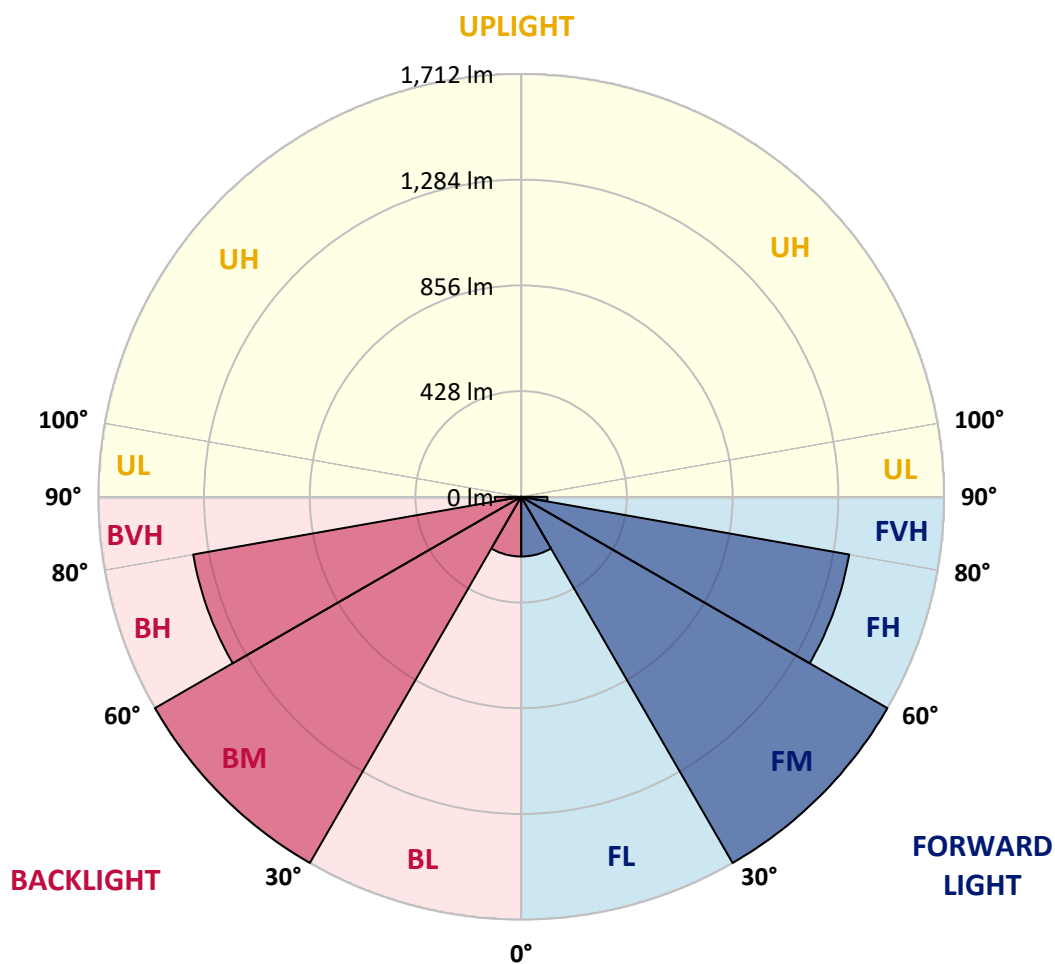
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.5	3.5			
FM	(30°-60°)	1712.0	25.1			
FH	(60°-80°)	1348.4	19.8			G1/1800
FVH	(80°-90°)	106.2	1.6			G2/225
BL	(0°-30°)	241.5	3.5	B1/500		
BM	(30°-60°)	1712.0	25.1	B2/2500		
BH	(60°-80°)	1348.4	19.8	B3/2500		G3/2500
BVH	(80°-90°)	106.2	1.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4
2.5°	408.3	408.3	408.3	408.3	408.3	406.8	408.3	406.8	406.8	406.8	406.8
5°	412.8	412.8	412.8	414.2	414.2	414.2	414.2	412.8	414.2	412.8	414.2
7.5°	423.1	423.1	423.1	423.1	423.1	423.1	424.6	423.1	424.6	423.1	423.1
10°	436.4	436.4	436.4	436.4	437.9	437.9	437.9	439.4	439.4	439.4	439.4
12.5°	455.7	455.7	455.7	455.7	455.7	455.7	457.1	457.1	458.6	458.6	458.6
15°	480.8	480.8	479.3	479.3	479.3	480.8	480.8	483.8	482.3	482.3	482.3
17.5°	511.9	510.4	510.4	510.4	510.4	510.4	510.4	513.4	513.4	513.4	514.8
20°	545.9	548.9	547.4	544.4	544.4	544.4	545.9	548.9	548.9	553.3	554.8
22.5°	593.2	594.7	591.8	590.3	585.9	585.9	590.3	591.8	597.7	596.2	597.7
25°	643.5	642.1	640.6	637.6	637.6	637.6	640.6	645.0	649.5	653.9	653.9
27.5°	699.8	698.3	696.8	695.3	692.4	696.8	699.8	710.1	713.1	723.4	720.5
30°	761.9	763.4	760.4	758.9	757.5	758.9	770.8	785.6	797.4	804.8	806.3
32.5°	831.4	832.9	831.4	828.5	831.4	838.8	853.6	872.9	896.5	909.8	914.3
35°	908.4	911.3	908.4	911.3	914.3	927.6	954.2	983.8	1025.2	1037.1	1044.5
37.5°	991.2	988.3	986.8	991.2	1004.5	1032.6	1069.6	1121.4	1164.3	1199.8	1199.8
40°	1074.1	1075.5	1077.0	1077.0	1102.2	1140.6	1201.3	1270.8	1334.4	1380.3	1381.8
42.5°	1162.8	1162.8	1162.8	1176.1	1207.2	1267.9	1346.3	1448.4	1535.6	1578.5	1584.5
45°	1253.1	1259.0	1261.9	1279.7	1325.6	1402.5	1506.1	1628.8	1739.8	1797.5	1794.5
47.5°	1341.8	1349.2	1355.1	1381.8	1443.9	1526.8	1655.5	1803.4	1929.2	1994.3	2000.2
50°	1433.6	1429.1	1441.0	1473.5	1543.0	1649.6	1787.1	1957.3	2100.8	2180.7	2186.6
52.5°	1494.2	1492.7	1504.6	1538.6	1620.0	1739.8	1898.1	2091.9	2247.2	2330.1	2353.8
55°	1537.1	1535.6	1549.0	1588.9	1677.7	1804.9	1976.5	2180.7	2337.5	2423.3	2435.1
57.5°	1556.4	1557.8	1569.7	1611.1	1702.8	1836.0	2013.5	2210.3	2359.7	2439.6	2449.9
60°	1553.4	1554.9	1565.2	1605.2	1695.4	1824.1	1995.7	2180.7	2322.7	2396.7	2408.5
62.5°	1522.3	1520.8	1529.7	1563.7	1643.6	1763.5	1927.7	2102.3	2236.9	2304.9	2318.3
65°	1457.2	1455.8	1455.8	1485.3	1553.4	1655.5	1810.8	1966.2	2091.9	2157.0	2160.0
67.5°	1350.7	1350.7	1347.8	1365.5	1415.8	1514.9	1648.1	1790.1	1892.2	1952.8	1961.7
70°	1207.2	1210.2	1199.8	1210.2	1251.6	1330.0	1448.4	1562.3	1642.2	1711.7	1716.1
72.5°	1050.4	1038.6	1034.1	1037.1	1068.1	1118.4	1220.5	1316.7	1390.7	1438.0	1446.9
75°	847.7	847.7	844.7	840.3	858.1	908.4	976.4	1054.8	1117.0	1149.5	1161.3
77.5°	649.5	655.4	646.5	646.5	659.8	698.3	757.5	800.4	844.7	866.9	861.0
80°	461.6	460.1	455.7	452.7	467.5	489.7	537.0	562.2	575.5	596.2	605.1
82.5°	285.5	288.5	292.9	279.6	285.5	306.2	331.4	344.7	350.6	359.5	358.0
85°	140.5	142.0	143.5	145.0	145.0	152.4	167.2	173.1	177.5	182.0	179.0
87.5°	51.8	48.8	47.3	47.3	47.3	48.8	56.2	54.7	57.7	57.7	60.7
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)