

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: P198126

Luminaire Tested: **TT-C5-LED-E1-RW-SG-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198126
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-C5-LED-E1-RW-SG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7070.1 lumens
Efficiency: N/A
Efficacy: 91.8 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): 77
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



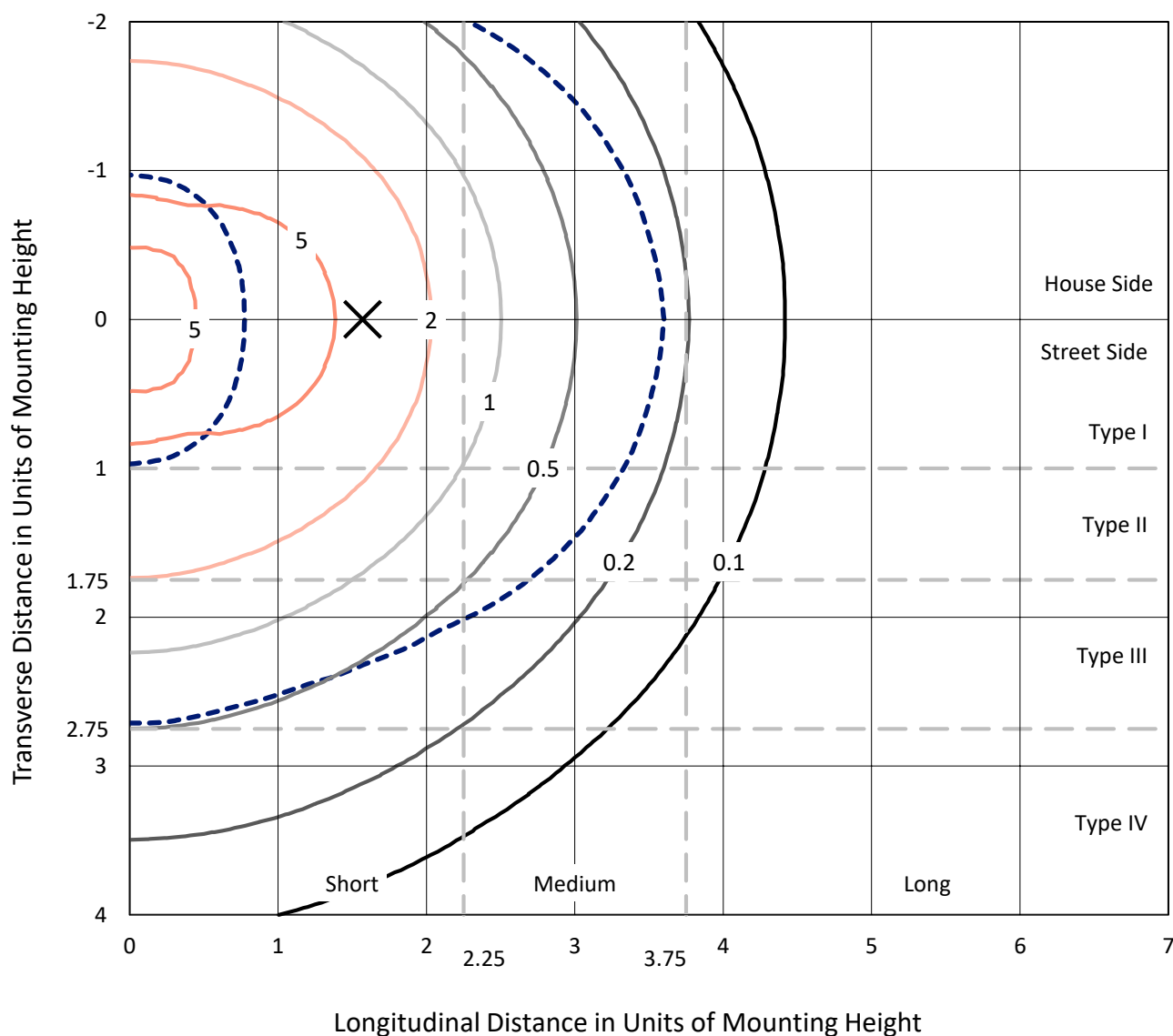
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

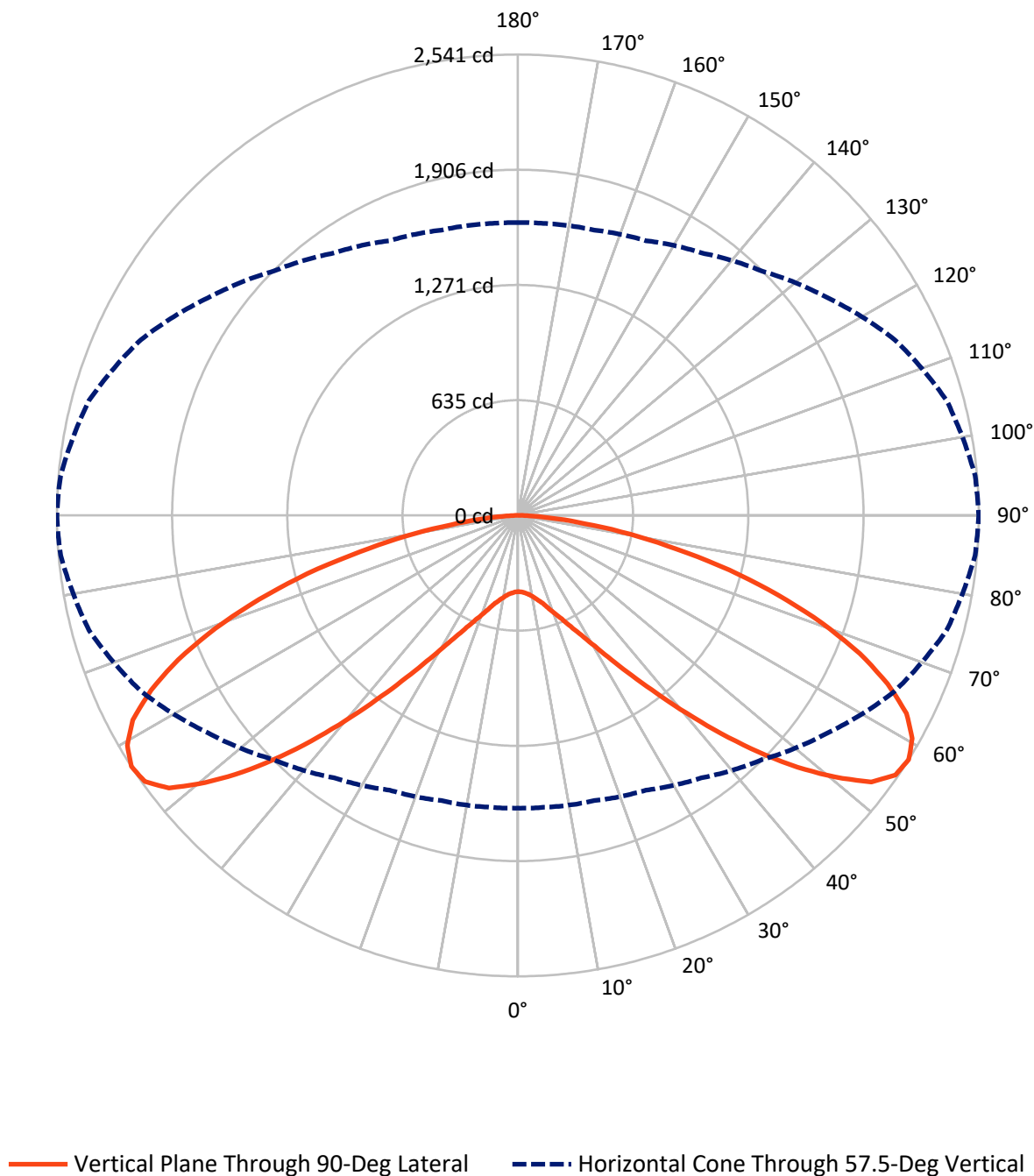


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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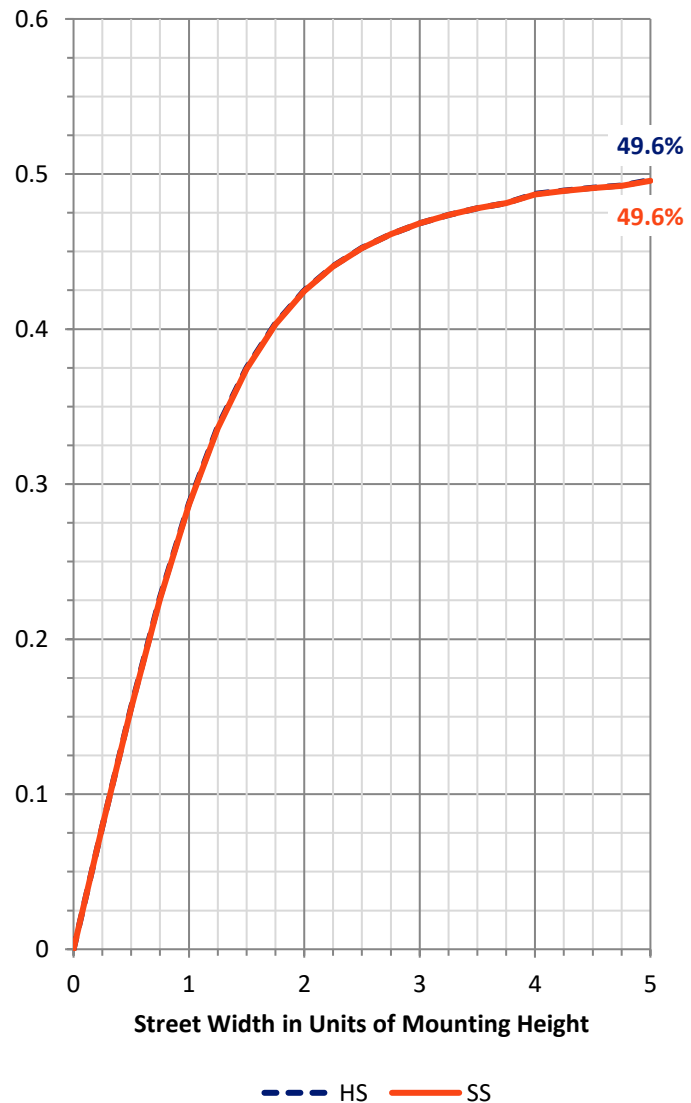
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3535.0	0.0	3535.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3535.0	0.0	3535.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7070.1	0.0	7070.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	0.6
10°-20°	144.4	2.0
20°-30°	314.9	4.5
30°-40°	632.2	8.9
40°-50°	1180.6	16.7
50°-60°	1738.7	24.6
60°-70°	1751.6	24.8
70°-80°	1045.6	14.8
80°-90°	220.3	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°	7070.1	100.0
0°-180°	7070.1	100.0

Coefficient of Utilization



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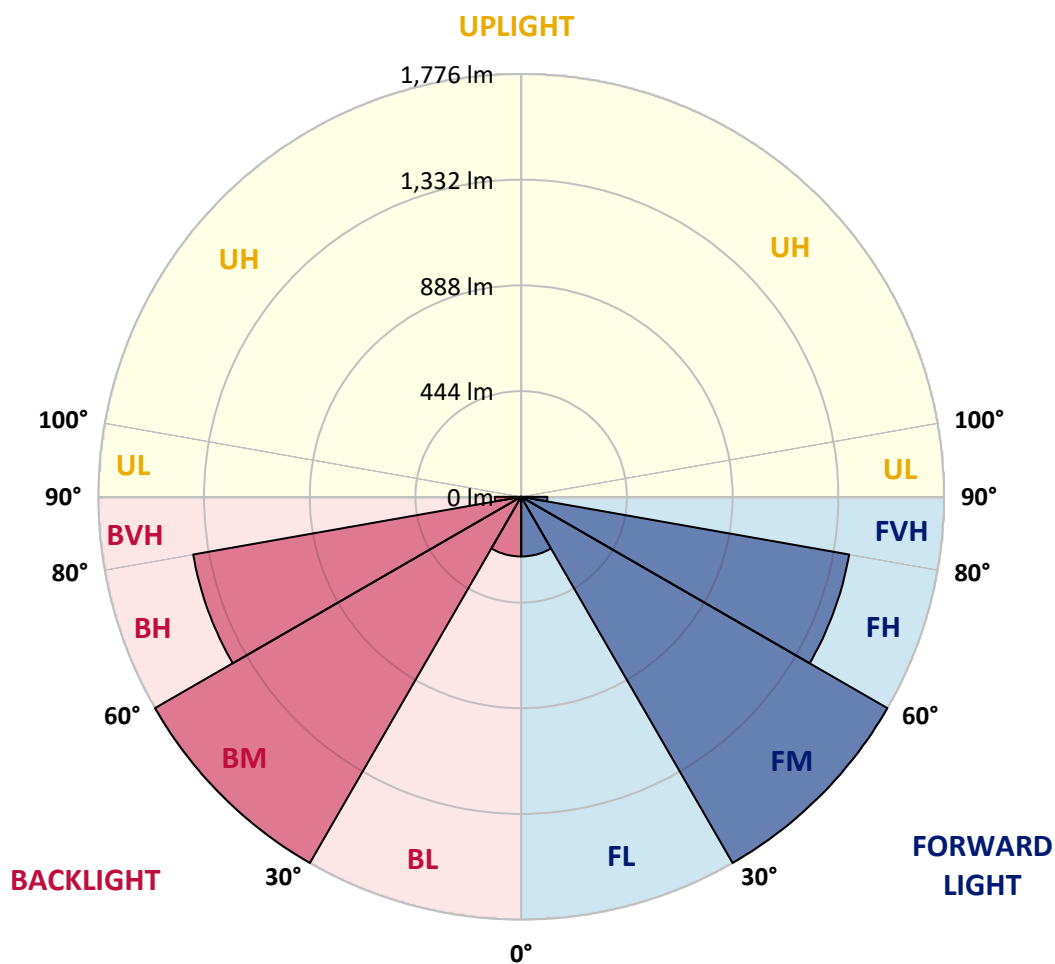
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.5	3.5			
FM	(30°-60°)	1775.7	25.1			
FH	(60°-80°)	1398.6	19.8			G1/1800
FVH	(80°-90°)	110.2	1.6			G2/225
BL	(0°-30°)	250.5	3.5	B1/500		
BM	(30°-60°)	1775.7	25.1	B2/2500		
BH	(60°-80°)	1398.6	19.8	B3/2500		G3/2500
BVH	(80°-90°)	110.2	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°	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5	420.5
2.5°	423.5	423.5	423.5	423.5	423.5	422.0	423.5	422.0	422.0	422.0	422.0
5°	428.1	428.1	428.1	429.7	429.7	429.7	429.7	428.1	429.7	428.1	429.7
7.5°	438.9	438.9	438.9	438.9	438.9	438.9	440.4	438.9	440.4	438.9	438.9
10°	452.7	452.7	452.7	452.7	454.2	454.2	454.2	455.7	455.7	455.7	455.7
12.5°	472.6	472.6	472.6	472.6	472.6	472.6	474.2	474.2	475.7	475.7	475.7
15°	498.7	498.7	497.2	497.2	497.2	498.7	498.7	501.8	500.2	500.2	500.2
17.5°	530.9	529.4	529.4	529.4	529.4	529.4	529.4	532.5	532.5	532.5	534.0
20°	566.2	569.3	567.8	564.7	564.7	564.7	566.2	569.3	569.3	573.9	575.4
22.5°	615.3	616.9	613.8	612.3	607.7	607.7	612.3	613.8	619.9	618.4	619.9
25°	667.5	666.0	664.4	661.4	661.4	661.4	664.4	669.0	673.6	678.2	678.2
27.5°	725.8	724.3	722.7	721.2	718.1	722.7	725.8	736.6	739.6	750.4	747.3
30°	790.3	791.8	788.7	787.2	785.7	787.2	799.5	814.8	827.1	834.8	836.3
32.5°	862.4	863.9	862.4	859.3	862.4	870.1	885.4	905.4	929.9	943.7	948.3
35°	942.2	945.3	942.2	945.3	948.3	962.1	989.8	1020.4	1063.4	1075.7	1083.4
37.5°	1028.1	1025.0	1023.5	1028.1	1041.9	1071.1	1109.4	1163.1	1207.6	1244.5	1244.5
40°	1114.0	1115.6	1117.1	1117.1	1143.2	1183.1	1246.0	1318.1	1384.1	1431.7	1433.2
42.5°	1206.1	1206.1	1206.1	1219.9	1252.1	1315.1	1396.4	1502.3	1592.8	1637.3	1643.4
45°	1299.7	1305.9	1308.9	1327.3	1374.9	1454.7	1562.1	1689.5	1804.6	1864.4	1861.3
47.5°	1391.8	1399.5	1405.6	1433.2	1497.7	1583.6	1717.1	1870.6	2001.0	2068.5	2074.6
50°	1486.9	1482.3	1494.6	1528.4	1600.5	1711.0	1853.7	2030.1	2179.0	2261.8	2268.0
52.5°	1549.8	1548.3	1560.6	1595.9	1680.3	1804.6	1968.8	2169.8	2330.9	2416.8	2441.4
55°	1594.3	1592.8	1606.6	1648.0	1740.1	1872.1	2050.1	2261.8	2424.5	2513.5	2525.8
57.5°	1614.3	1615.8	1628.1	1671.1	1766.2	1904.3	2088.5	2292.5	2447.5	2530.4	2541.1
60°	1611.2	1612.8	1623.5	1664.9	1758.5	1892.0	2070.0	2261.8	2409.2	2485.9	2498.2
62.5°	1579.0	1577.5	1586.7	1622.0	1704.8	1829.1	1999.4	2180.5	2320.2	2390.7	2404.6
65°	1511.5	1509.9	1509.9	1540.6	1611.2	1717.1	1878.2	2039.3	2169.8	2237.3	2240.4
67.5°	1401.0	1401.0	1397.9	1416.3	1468.5	1571.3	1709.4	1856.7	1962.6	2025.5	2034.7
70°	1252.1	1255.2	1244.5	1255.2	1298.2	1379.5	1502.3	1620.4	1703.3	1775.4	1780.0
72.5°	1089.5	1077.2	1072.6	1075.7	1107.9	1160.1	1266.0	1365.7	1442.4	1491.5	1500.7
75°	879.3	879.3	876.2	871.6	890.0	942.2	1012.8	1094.1	1158.5	1192.3	1204.6
77.5°	673.6	679.8	670.6	670.6	684.4	724.3	785.7	830.2	876.2	899.2	893.1
80°	478.8	477.2	472.6	469.6	484.9	507.9	557.0	583.1	596.9	618.4	627.6
82.5°	296.2	299.2	303.8	290.0	296.2	317.6	343.7	357.5	363.7	372.9	371.3
85°	145.8	147.3	148.8	150.4	150.4	158.1	173.4	179.5	184.1	188.7	185.7
87.5°	53.7	50.6	49.1	49.1	49.1	50.6	58.3	56.8	59.8	59.8	62.9
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)