

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: P197567

Luminaire Tested: **TT-C3-LED-E1-CQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-CQ-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6018.3 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 45
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



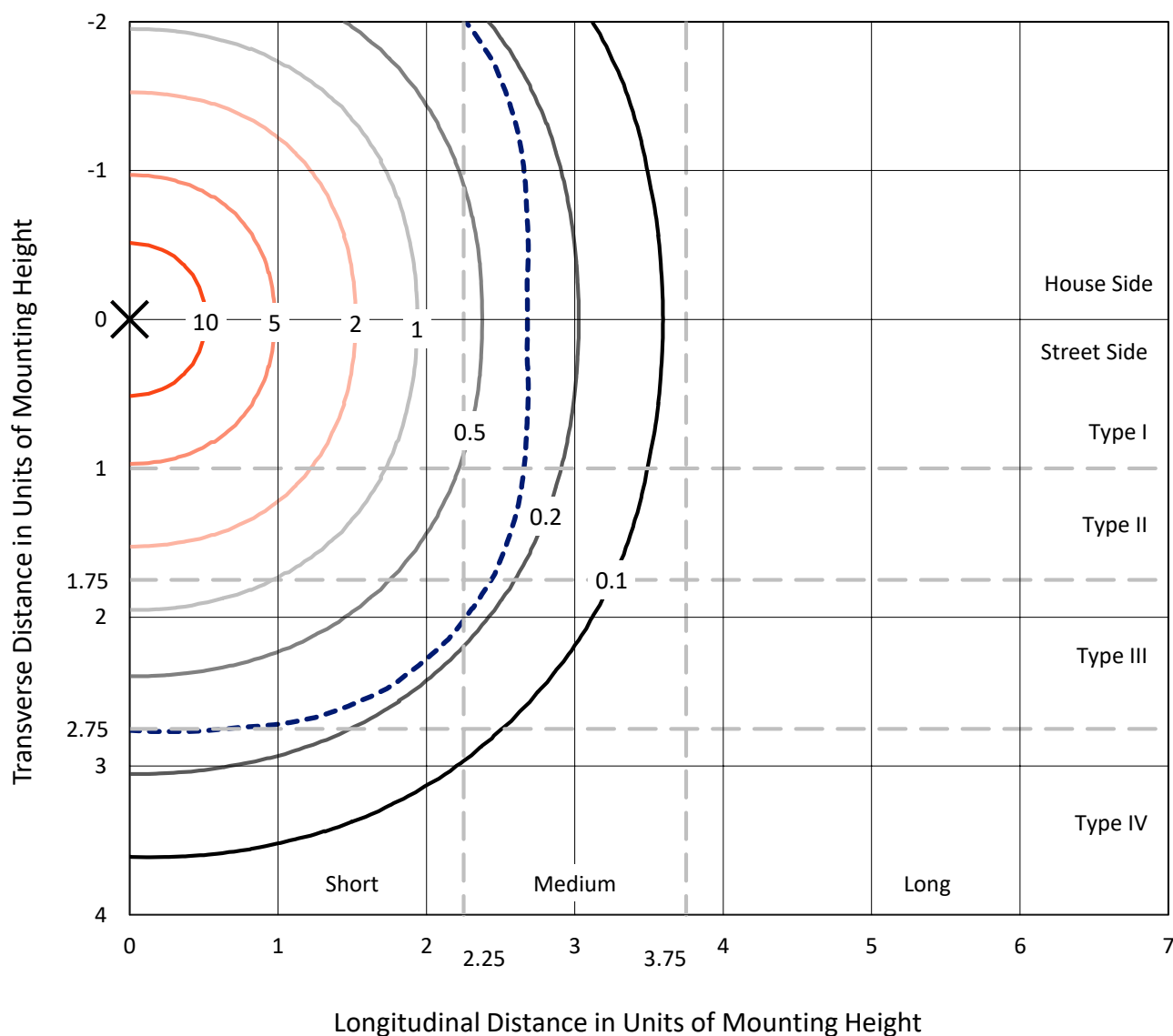
REPORT NUMBER: P197567

CATALOG NUMBER: TT-C3-LED-E1-CQ-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

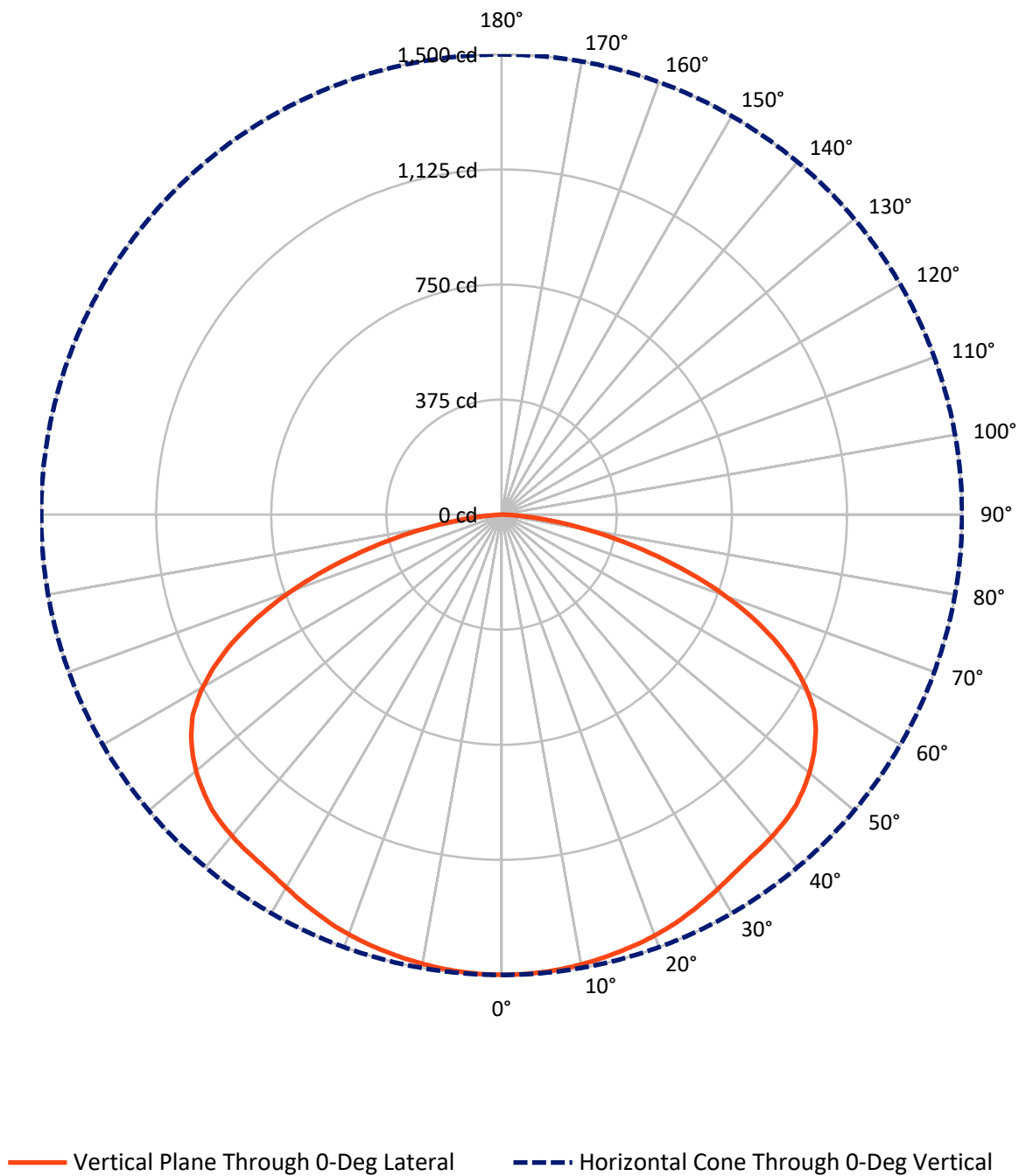


Based on 10 foot mounting height. Maximum calculated value = 15 fc
Type V - Short - Full Cutoff

REPORT NUMBER: P197567

CATALOG NUMBER: TT-C3-LED-E1-CQ-7050

Luminous Intensity Polar Plot



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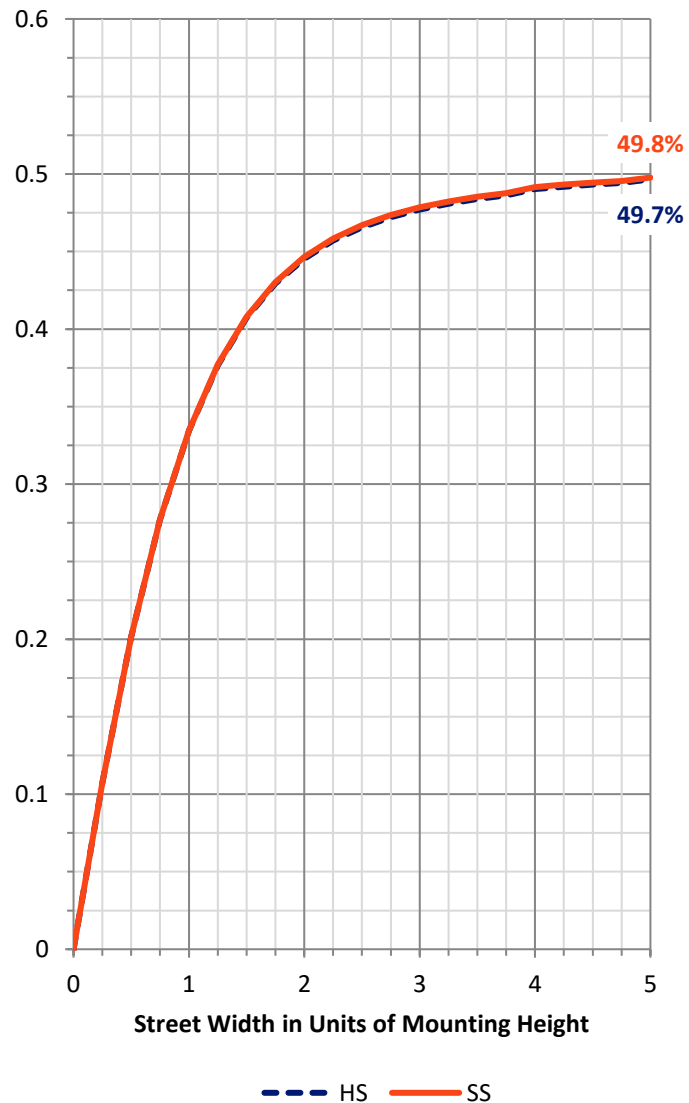
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3009.1	0.0	3009.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3009.1	0.0	3009.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6018.3	0.0	6018.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	2.4
10°-20°	417.4	6.9
20°-30°	664.0	11.0
30°-40°	878.2	14.6
40°-50°	1071.6	17.8
50°-60°	1157.3	19.2
60°-70°	1002.2	16.7
70°-80°	568.2	9.4
80°-90°	116.9	1.9
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°	6018.3	100.0
0°-180°	6018.3	100.0

Coefficient of Utilization



REPORT NUMBER: P197567

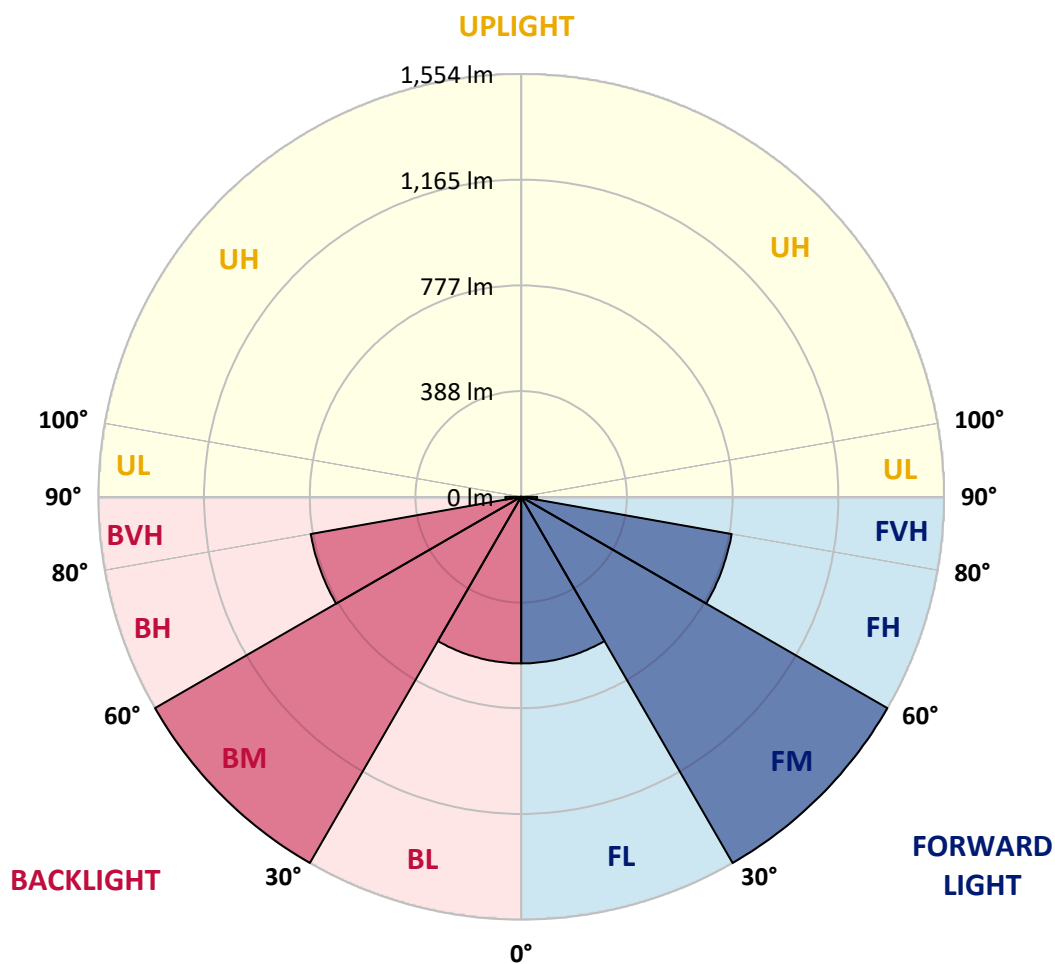
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	612.0	10.2			
FM	(30°-60°)	1553.5	25.8			
FH	(60°-80°)	785.2	13.0			G1/1800
FVH	(80°-90°)	58.4	1.0			G1/100
BL	(0°-30°)	612.0	10.2	B2/1000		
BM	(30°-60°)	1553.5	25.8	B2/2500		
BH	(60°-80°)	785.2	13.0	B2/1000		G1/1800
BVH	(80°-90°)	58.4	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8
2.5°	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8	1498.8
5°	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7	1496.7
7.5°	1492.6	1492.6	1492.6	1492.6	1492.6	1493.6	1492.6	1492.6	1492.6	1492.6	1493.6
10°	1487.4	1487.4	1488.4	1488.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
12.5°	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1480.1	1480.1	1480.1
15°	1473.9	1473.9	1473.9	1475.0	1475.0	1475.0	1475.0	1473.9	1472.9	1471.9	1472.9
17.5°	1466.7	1466.7	1467.7	1468.8	1468.8	1468.8	1468.8	1466.7	1465.6	1464.6	1464.6
20°	1457.4	1458.4	1458.4	1459.4	1460.5	1460.5	1460.5	1459.4	1457.4	1455.3	1455.3
22.5°	1447.0	1448.0	1449.1	1450.1	1451.1	1450.1	1450.1	1449.1	1447.0	1446.0	1444.9
25°	1433.5	1433.5	1435.6	1437.7	1438.7	1438.7	1438.7	1436.6	1434.6	1433.5	1432.5
27.5°	1420.1	1420.1	1422.1	1425.3	1426.3	1427.3	1425.3	1424.2	1421.1	1419.0	1419.0
30°	1405.6	1405.6	1408.7	1412.8	1415.9	1417.0	1415.9	1411.8	1407.6	1405.6	1405.6
32.5°	1392.1	1393.1	1396.3	1402.5	1407.6	1409.7	1408.7	1403.5	1398.3	1394.2	1393.1
35°	1381.7	1382.8	1389.0	1396.3	1404.5	1407.6	1404.5	1399.4	1391.1	1384.9	1384.9
37.5°	1375.5	1375.5	1383.8	1396.3	1405.6	1409.7	1405.6	1398.3	1386.9	1378.6	1378.6
40°	1368.3	1370.4	1380.7	1396.3	1409.7	1415.9	1410.8	1400.4	1385.9	1375.5	1374.5
42.5°	1359.0	1362.1	1373.5	1394.2	1410.8	1420.1	1414.9	1402.5	1384.9	1373.5	1372.4
45°	1346.5	1347.6	1362.1	1386.9	1408.7	1421.1	1417.0	1401.4	1381.7	1368.3	1366.2
47.5°	1326.9	1328.9	1346.5	1375.5	1402.5	1415.9	1412.8	1395.2	1370.4	1354.8	1351.7
50°	1304.1	1306.1	1326.9	1360.0	1390.0	1405.6	1400.4	1378.6	1351.7	1331.0	1328.9
52.5°	1276.1	1280.2	1303.0	1340.3	1372.4	1386.9	1378.6	1350.7	1319.6	1296.8	1294.7
55°	1241.9	1246.1	1272.0	1311.3	1343.4	1354.8	1343.4	1310.3	1277.1	1251.2	1246.1
57.5°	1199.4	1202.6	1227.4	1268.8	1299.9	1309.2	1294.7	1260.6	1221.2	1193.2	1190.1
60°	1137.3	1141.4	1170.4	1208.8	1239.8	1251.2	1236.7	1195.3	1152.8	1124.9	1123.8
62.5°	1062.7	1070.0	1094.8	1136.3	1164.2	1179.8	1160.1	1117.6	1075.2	1043.0	1043.0
65°	972.6	977.8	1004.7	1045.1	1072.0	1085.5	1065.8	1026.5	979.9	951.9	948.8
67.5°	869.0	873.2	897.0	938.4	967.4	978.8	957.1	919.8	876.3	846.2	843.1
70°	754.1	760.3	777.9	816.2	842.1	848.3	831.7	796.5	757.2	730.2	728.2
72.5°	628.7	633.9	656.7	686.7	707.4	709.5	699.2	673.3	632.9	611.1	608.0
75°	500.3	508.6	528.3	554.1	569.7	569.7	563.5	544.8	509.6	493.0	493.0
77.5°	379.1	383.2	404.0	421.6	434.0	440.2	433.0	416.4	388.4	377.0	370.8
80°	264.1	268.3	277.6	291.1	303.5	307.6	299.3	285.9	270.3	262.1	257.9
82.5°	161.6	165.7	170.9	178.2	186.4	190.6	185.4	177.1	163.7	162.6	161.6
85°	77.7	79.8	83.9	86.0	90.1	91.1	92.2	88.0	83.9	78.7	80.8
87.5°	23.8	23.8	24.9	25.9	28.0	28.0	28.0	26.9	24.9	23.8	23.8
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)