

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: P197568

Luminaire Tested: **TT-C3-LED-E1-CQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197568
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5881.8 lumens
Efficiency: N/A
Efficacy: 130.7 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

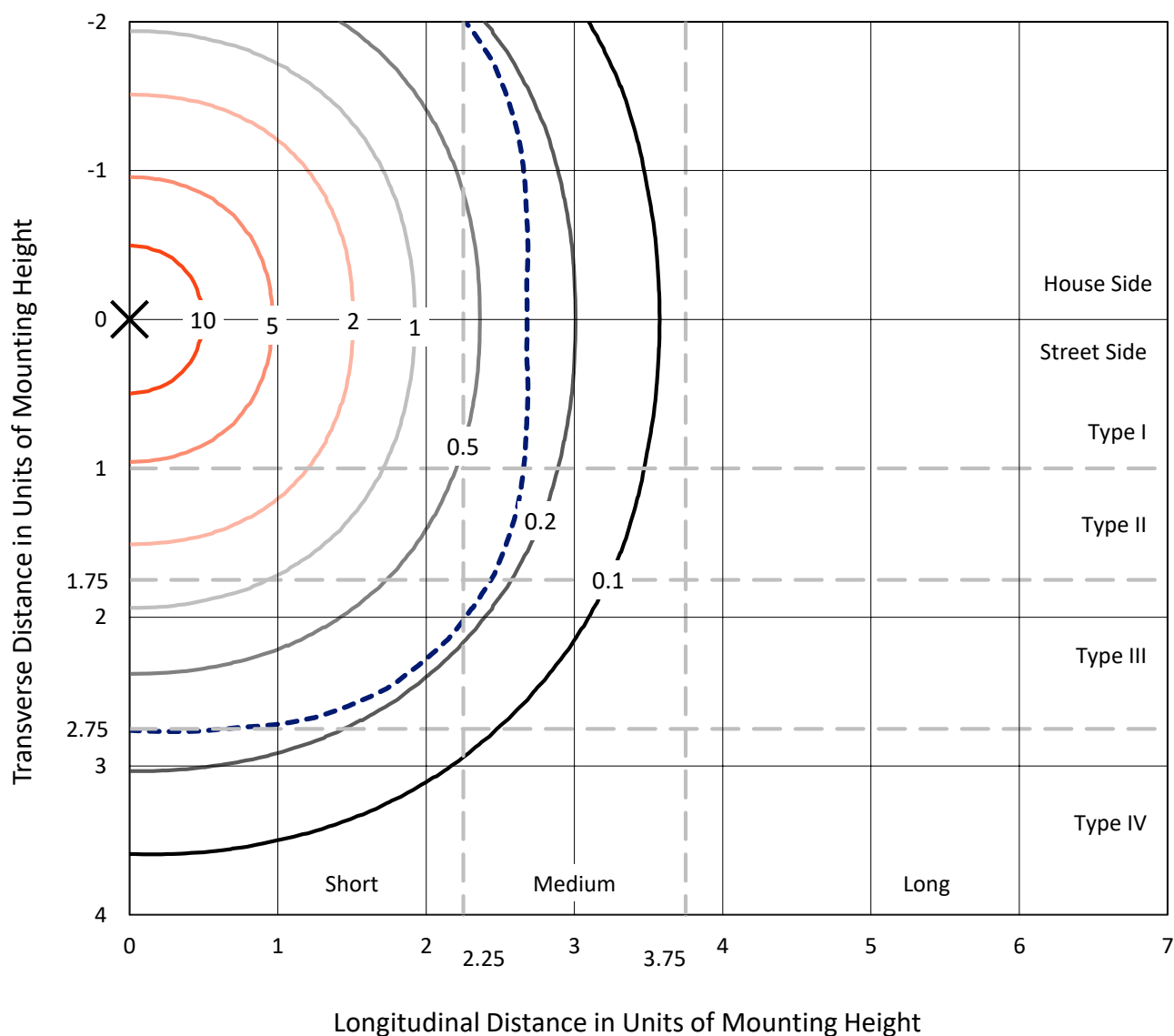


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

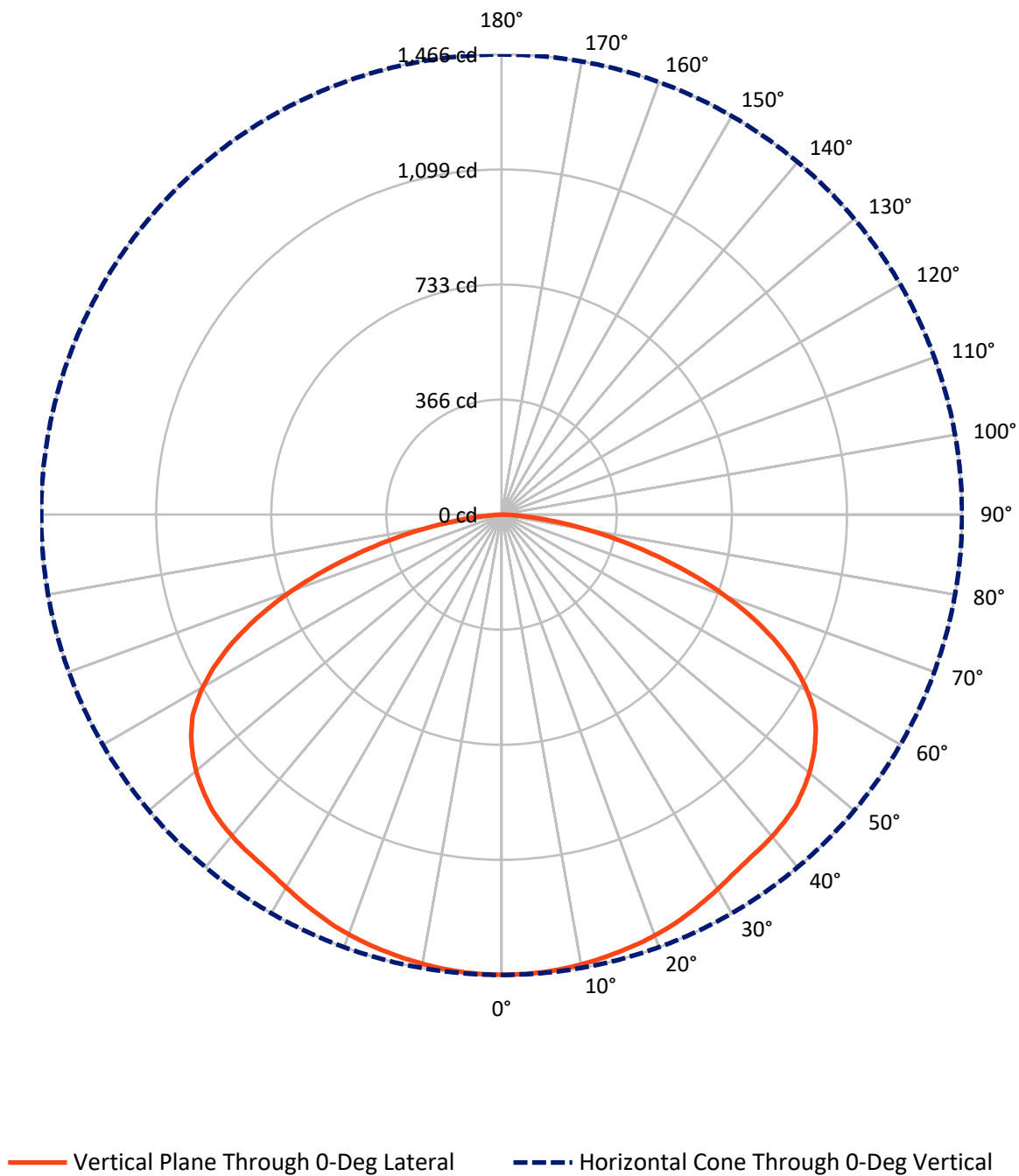


Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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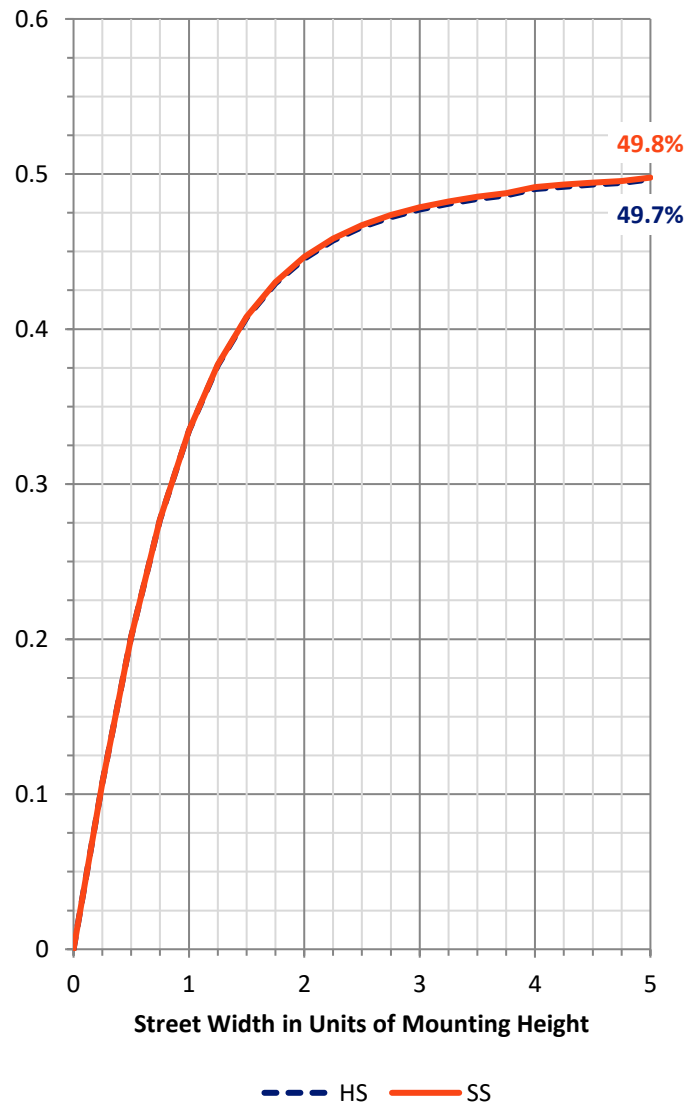
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2940.9	0.0	2940.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2940.9	0.0	2940.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5881.8	0.0	5881.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.4
10°-20°	407.9	6.9
20°-30°	648.9	11.0
30°-40°	858.2	14.6
40°-50°	1047.3	17.8
50°-60°	1131.0	19.2
60°-70°	979.5	16.7
70°-80°	555.4	9.4
80°-90°	114.2	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°	5881.8	100.0
0°-180°	5881.8	100.0

Coefficient of Utilization



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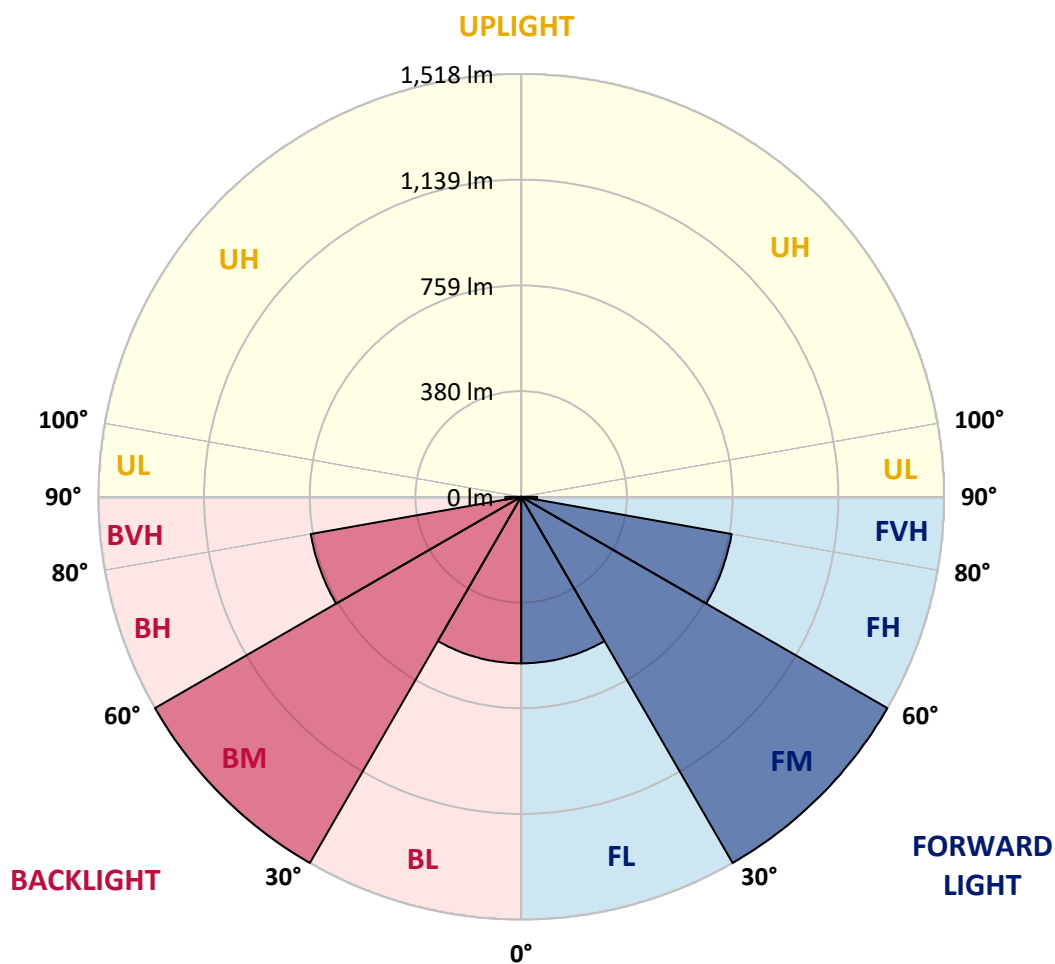
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	598.1	10.2			
FM	(30°-60°)	1518.3	25.8			
FH	(60°-80°)	767.4	13.0			G1/1800
FVH	(80°-90°)	57.1	1.0			G1/100
BL	(0°-30°)	598.1	10.2	B2/1000		
BM	(30°-60°)	1518.3	25.8	B2/2500		
BH	(60°-80°)	767.4	13.0	B2/1000		G1/1800
BVH	(80°-90°)	57.1	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°	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8	1465.8
2.5°	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8	1464.8
5°	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8	1462.8
7.5°	1458.7	1458.7	1458.7	1458.7	1458.7	1459.7	1458.7	1458.7	1458.7	1458.7	1459.7
10°	1453.7	1453.7	1454.7	1454.7	1453.7	1453.7	1453.7	1453.7	1453.7	1453.7	1453.7
12.5°	1447.6	1447.6	1447.6	1447.6	1447.6	1447.6	1447.6	1447.6	1446.6	1446.6	1446.6
15°	1440.5	1440.5	1440.5	1441.5	1441.5	1441.5	1441.5	1440.5	1439.5	1438.5	1439.5
17.5°	1433.4	1433.4	1434.4	1435.4	1435.4	1435.4	1435.4	1433.4	1432.4	1431.4	1431.4
20°	1424.3	1425.3	1425.3	1426.3	1427.3	1427.3	1427.3	1426.3	1424.3	1422.3	1422.3
22.5°	1414.2	1415.2	1416.2	1417.2	1418.2	1417.2	1417.2	1416.2	1414.2	1413.2	1412.2
25°	1401.0	1401.0	1403.1	1405.1	1406.1	1406.1	1406.1	1404.1	1402.0	1401.0	1400.0
27.5°	1387.9	1387.9	1389.9	1392.9	1393.9	1395.0	1392.9	1391.9	1388.9	1386.9	1386.9
30°	1373.7	1373.7	1376.7	1380.8	1383.8	1384.8	1383.8	1379.8	1375.7	1373.7	1373.7
32.5°	1360.5	1361.5	1364.6	1370.7	1375.7	1377.7	1376.7	1371.7	1366.6	1362.6	1361.5
35°	1350.4	1351.4	1357.5	1364.6	1372.7	1375.7	1372.7	1367.6	1359.5	1353.4	1353.4
37.5°	1344.3	1344.3	1352.4	1364.6	1373.7	1377.7	1373.7	1366.6	1355.5	1347.4	1347.4
40°	1337.3	1339.3	1349.4	1364.6	1377.7	1383.8	1378.8	1368.6	1354.5	1344.3	1343.3
42.5°	1328.1	1331.2	1342.3	1362.6	1378.8	1387.9	1382.8	1370.7	1353.4	1342.3	1341.3
45°	1316.0	1317.0	1331.2	1355.5	1376.7	1388.9	1384.8	1369.6	1350.4	1337.3	1335.2
47.5°	1296.8	1298.8	1316.0	1344.3	1370.7	1383.8	1380.8	1363.6	1339.3	1324.1	1321.1
50°	1274.5	1276.5	1296.8	1329.2	1358.5	1373.7	1368.6	1347.4	1321.1	1300.8	1298.8
52.5°	1247.2	1251.2	1273.5	1309.9	1341.3	1355.5	1347.4	1320.0	1289.7	1267.4	1265.4
55°	1213.8	1217.8	1243.1	1281.6	1313.0	1324.1	1313.0	1280.6	1248.2	1222.9	1217.8
57.5°	1172.2	1175.3	1199.6	1240.1	1270.4	1279.5	1265.4	1232.0	1193.5	1166.2	1163.1
60°	1111.5	1115.6	1143.9	1181.4	1211.7	1222.9	1208.7	1168.2	1126.7	1099.4	1098.3
62.5°	1038.6	1045.7	1070.0	1110.5	1137.8	1153.0	1133.8	1092.3	1050.8	1019.4	1019.4
65°	950.6	955.6	981.9	1021.4	1047.7	1060.9	1041.7	1003.2	957.6	930.3	927.3
67.5°	849.3	853.4	876.7	917.1	945.5	956.6	935.4	898.9	856.4	827.1	824.0
70°	737.0	743.0	760.2	797.7	823.0	829.1	812.9	778.5	740.0	713.7	711.6
72.5°	614.5	619.5	641.8	671.2	691.4	693.4	683.3	658.0	618.5	597.3	594.2
75°	488.9	497.0	516.3	541.6	556.8	556.8	550.7	532.5	498.1	481.9	481.9
77.5°	370.5	374.6	394.8	412.0	424.2	430.2	423.1	406.9	379.6	368.5	362.4
80°	258.1	262.2	271.3	284.5	296.6	300.7	292.6	279.4	264.2	256.1	252.1
82.5°	157.9	162.0	167.0	174.1	182.2	186.3	181.2	173.1	159.9	158.9	157.9
85°	75.9	77.9	82.0	84.0	88.1	89.1	90.1	86.0	82.0	76.9	79.0
87.5°	23.3	23.3	24.3	25.3	27.3	27.3	27.3	26.3	24.3	23.3	23.3
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)