

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: P821233

Luminaire Tested: **TT-D3-740-24VDC-5CQ-PM**

Issue Date: 2/18/2020



Test Information

Test Method: LM-79-08
Report Number: P821233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/18/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-740-24VDC-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

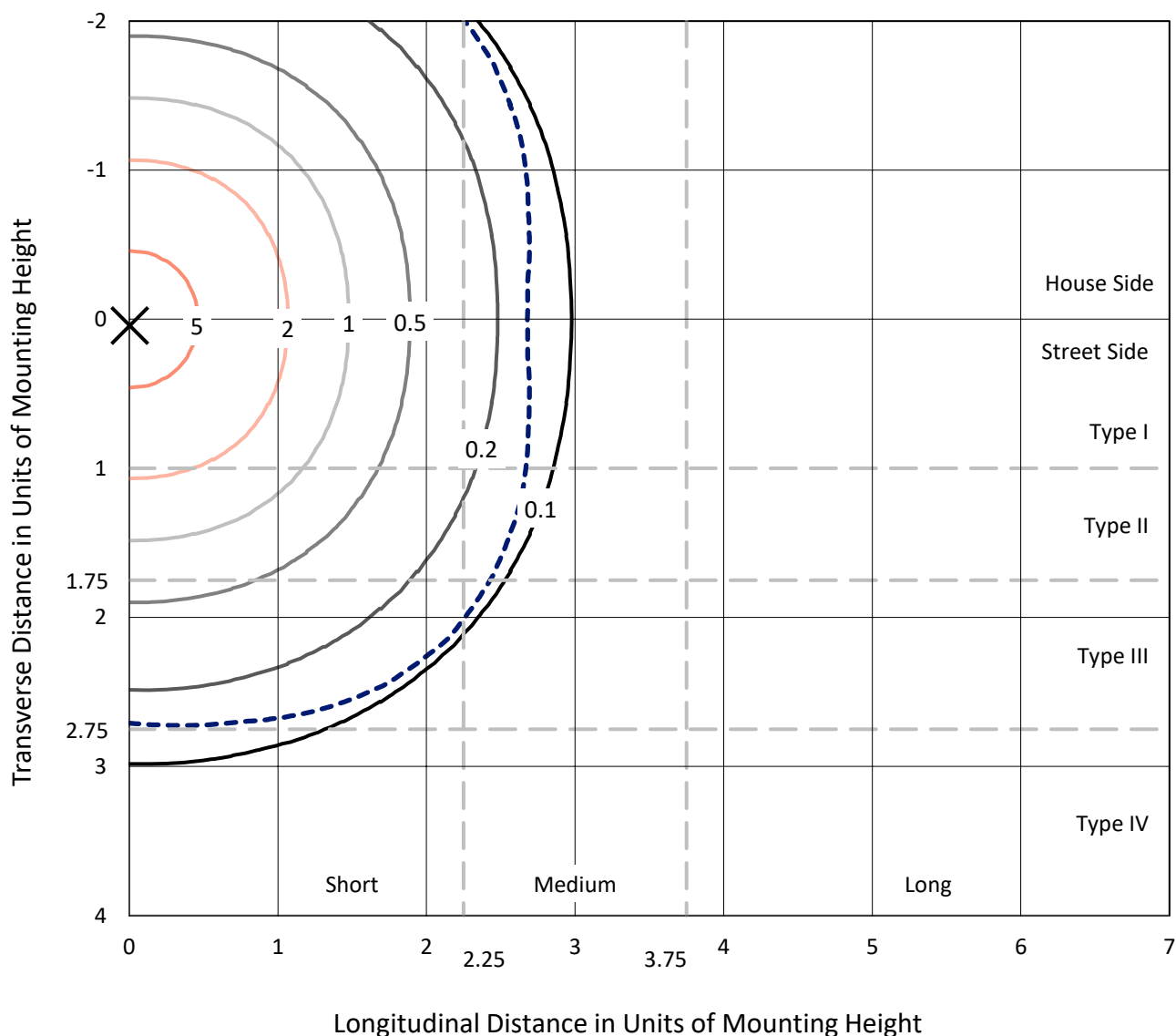
Lumens per Lamp: N/A
Luminaire Lumens: 6284.1 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 46
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

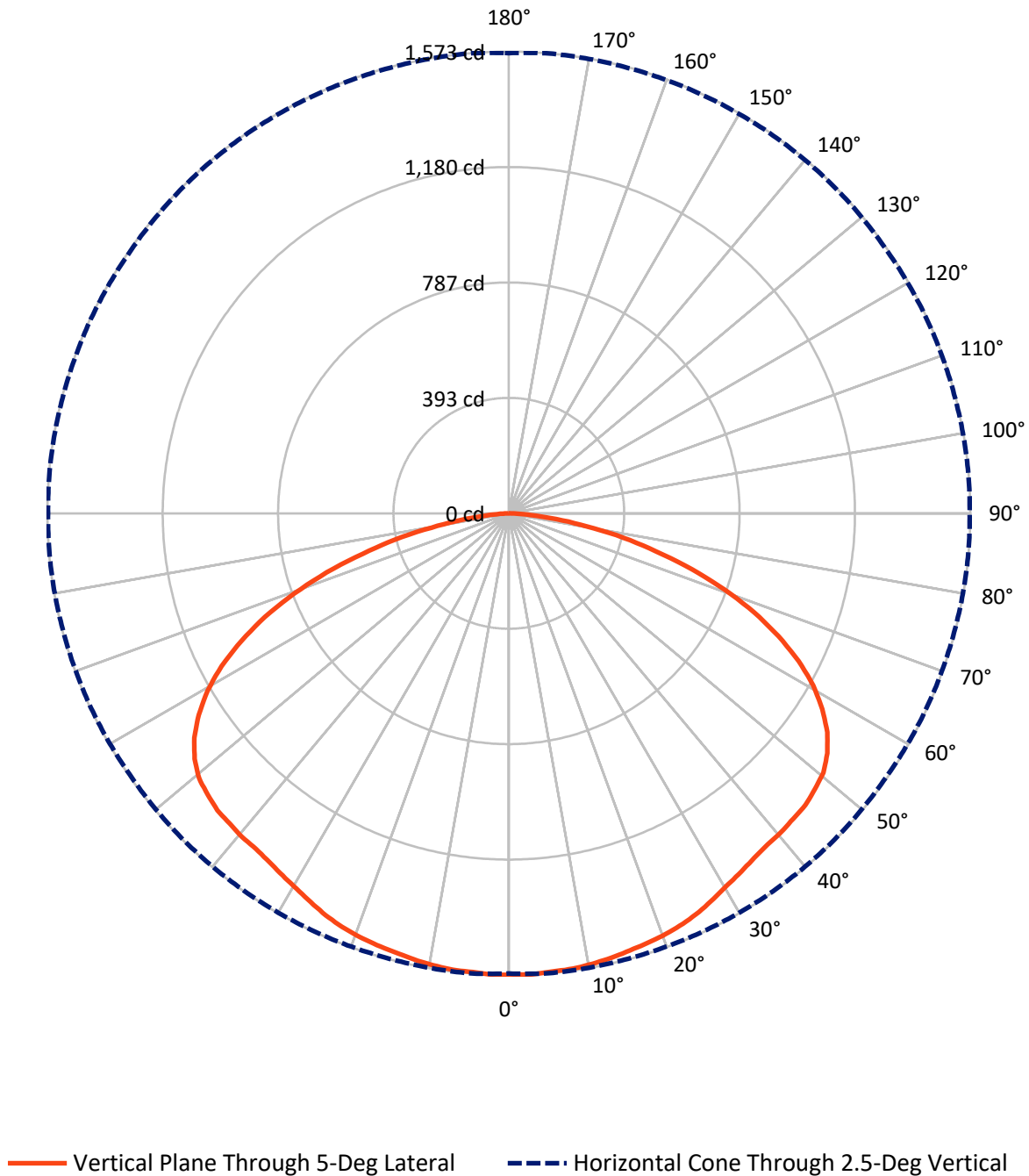
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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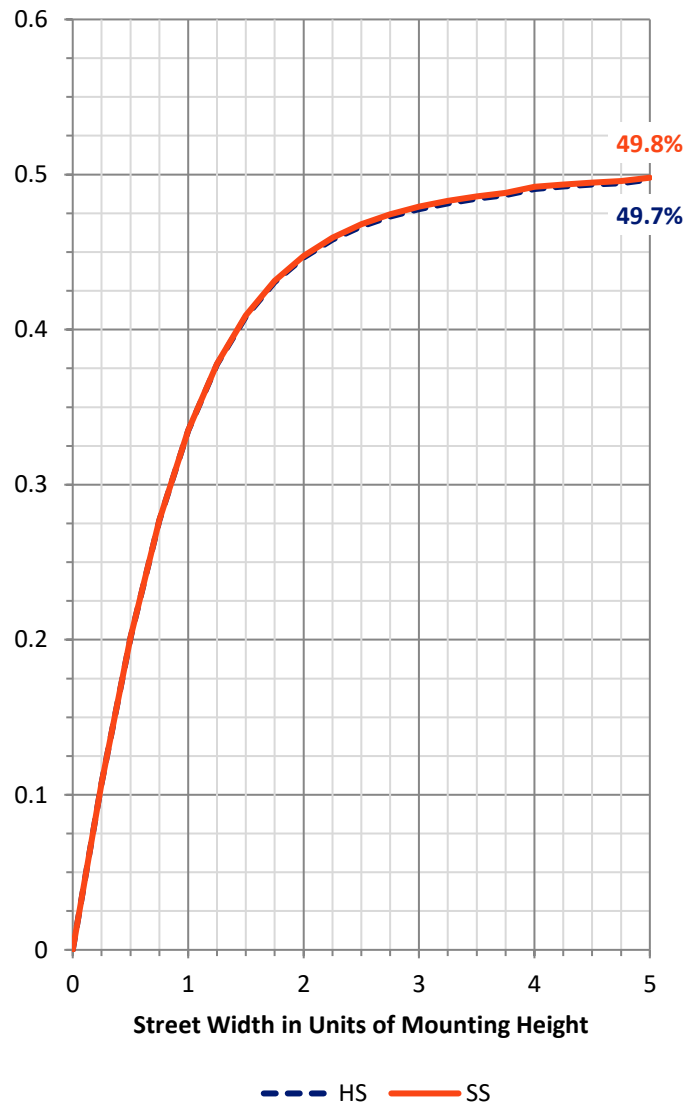
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3142.0	0.0	3142.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3142.0	0.0	3142.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6284.1	0.0	6284.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.5	2.4
10°-20°	437.9	7.0
20°-30°	696.4	11.1
30°-40°	916.1	14.6
40°-50°	1121.2	17.8
50°-60°	1214.4	19.3
60°-70°	1044.8	16.6
70°-80°	587.3	9.3
80°-90°	116.4	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°	6284.1	100.0
0°-180°	6284.1	100.0



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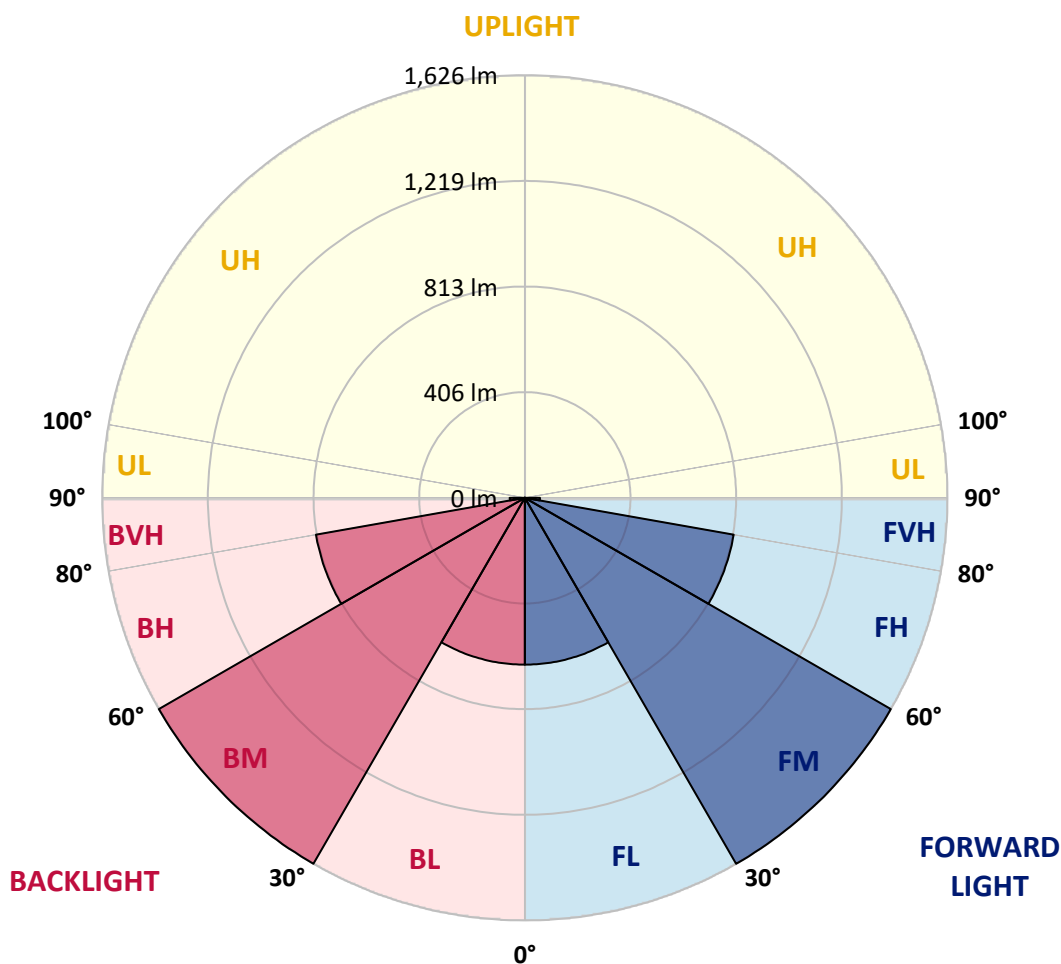
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	641.9	10.2			
FM	(30°-60°)	1625.9	25.9			
FH	(60°-80°)	816.0	13.0			G1/1800
FVH	(80°-90°)	58.2	0.9			G1/100
BL	(0°-30°)	641.9	10.2	B2/1000		
BM	(30°-60°)	1625.9	25.9	B2/2500		
BH	(60°-80°)	816.0	13.0	B2/1000		G1/1800
BVH	(80°-90°)	58.2	0.9			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°	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1
2.5°	1568.1	1573.1	1571.1	1571.1	1571.1	1571.1	1569.1	1571.1	1571.1	1572.1	1571.1
5°	1569.1	1568.1	1568.1	1569.1	1569.1	1570.1	1568.1	1569.1	1570.1	1570.1	1571.1
7.5°	1566.1	1567.1	1565.1	1567.1	1565.1	1566.1	1566.1	1567.1	1566.1	1567.1	1569.1
10°	1560.1	1561.1	1560.1	1560.1	1560.1	1562.1	1558.1	1561.1	1560.1	1561.1	1560.1
12.5°	1549.1	1554.1	1552.1	1554.1	1554.1	1554.1	1551.1	1553.1	1554.1	1554.1	1554.1
15°	1544.1	1545.1	1542.1	1546.1	1547.1	1548.1	1544.1	1546.1	1546.1	1547.1	1548.1
17.5°	1533.1	1538.1	1537.1	1540.1	1539.1	1542.1	1541.1	1540.1	1539.1	1541.1	1539.1
20°	1525.1	1530.1	1529.1	1532.1	1533.1	1536.1	1533.1	1533.1	1530.1	1531.1	1534.1
22.5°	1517.1	1519.1	1519.1	1522.1	1522.1	1525.1	1522.1	1521.1	1521.1	1520.1	1523.1
25°	1504.1	1505.1	1504.1	1507.1	1509.1	1511.1	1510.1	1508.1	1507.1	1507.1	1506.1
27.5°	1483.1	1487.1	1489.1	1493.1	1494.1	1497.1	1493.1	1493.1	1491.1	1489.1	1490.1
30°	1467.1	1469.1	1469.1	1478.1	1478.1	1483.1	1478.1	1477.1	1476.1	1475.1	1473.1
32.5°	1452.1	1455.1	1458.1	1465.1	1470.1	1472.1	1469.1	1467.1	1462.1	1459.1	1458.1
35°	1440.1	1441.1	1447.1	1457.1	1463.1	1468.1	1464.1	1459.1	1452.1	1447.1	1451.1
37.5°	1431.1	1432.1	1441.1	1454.1	1465.1	1469.1	1463.1	1455.1	1444.1	1438.1	1436.1
40°	1423.1	1429.1	1439.1	1457.1	1469.1	1475.1	1470.1	1459.1	1443.1	1431.1	1430.1
42.5°	1419.1	1422.1	1437.1	1458.1	1475.1	1483.1	1476.1	1461.1	1441.1	1427.1	1426.1
45°	1409.1	1418.1	1432.1	1459.1	1478.1	1488.1	1478.1	1459.1	1435.1	1419.1	1416.1
47.5°	1401.1	1404.1	1426.1	1457.1	1480.1	1488.1	1478.1	1454.1	1424.1	1403.1	1401.1
50°	1382.1	1389.1	1411.1	1444.1	1471.1	1479.1	1467.1	1435.1	1401.1	1378.1	1374.1
52.5°	1353.1	1359.1	1385.1	1426.1	1452.1	1461.1	1443.1	1409.1	1369.1	1341.1	1341.1
55°	1308.1	1317.1	1344.1	1386.1	1419.1	1427.1	1406.1	1370.1	1325.1	1297.1	1296.1
57.5°	1254.1	1260.1	1289.1	1335.1	1367.1	1379.1	1358.1	1318.1	1273.1	1240.1	1237.1
60°	1184.1	1192.1	1223.1	1267.1	1300.1	1310.1	1292.1	1252.1	1206.1	1171.1	1171.1
62.5°	1100.1	1109.1	1140.1	1185.1	1219.1	1234.1	1209.1	1171.1	1123.1	1089.1	1086.1
65°	1002.0	1010.0	1038.0	1085.1	1120.1	1131.1	1112.1	1072.0	1026.0	994.0	991.0
67.5°	892.0	903.0	931.0	971.0	1001.0	1015.0	1003.0	967.0	919.0	886.0	883.0
70°	773.0	781.0	803.0	840.0	874.0	884.0	866.0	842.0	797.0	767.0	763.0
72.5°	646.0	653.0	671.0	706.0	730.0	743.0	733.0	702.0	666.0	641.0	645.0
75°	518.0	517.0	537.0	562.0	584.0	593.0	586.0	566.0	533.0	512.0	511.0
77.5°	390.0	400.0	407.0	428.0	446.0	453.0	443.0	427.0	402.0	385.0	388.0
80°	274.0	268.0	281.0	294.0	306.0	313.0	307.0	298.0	281.0	268.0	266.0
82.5°	168.0	163.0	169.0	181.0	189.0	191.0	192.0	181.0	174.0	164.0	166.0
85°	74.0	75.0	80.0	88.0	89.0	90.0	90.0	88.0	80.0	79.0	77.0
87.5°	18.0	18.0	19.0	22.0	22.0	23.0	23.0	20.0	19.0	17.0	18.0
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)