

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: P197566

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197566
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
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6352.7 lumens
Efficiency: N/A
Efficacy: 141.2 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

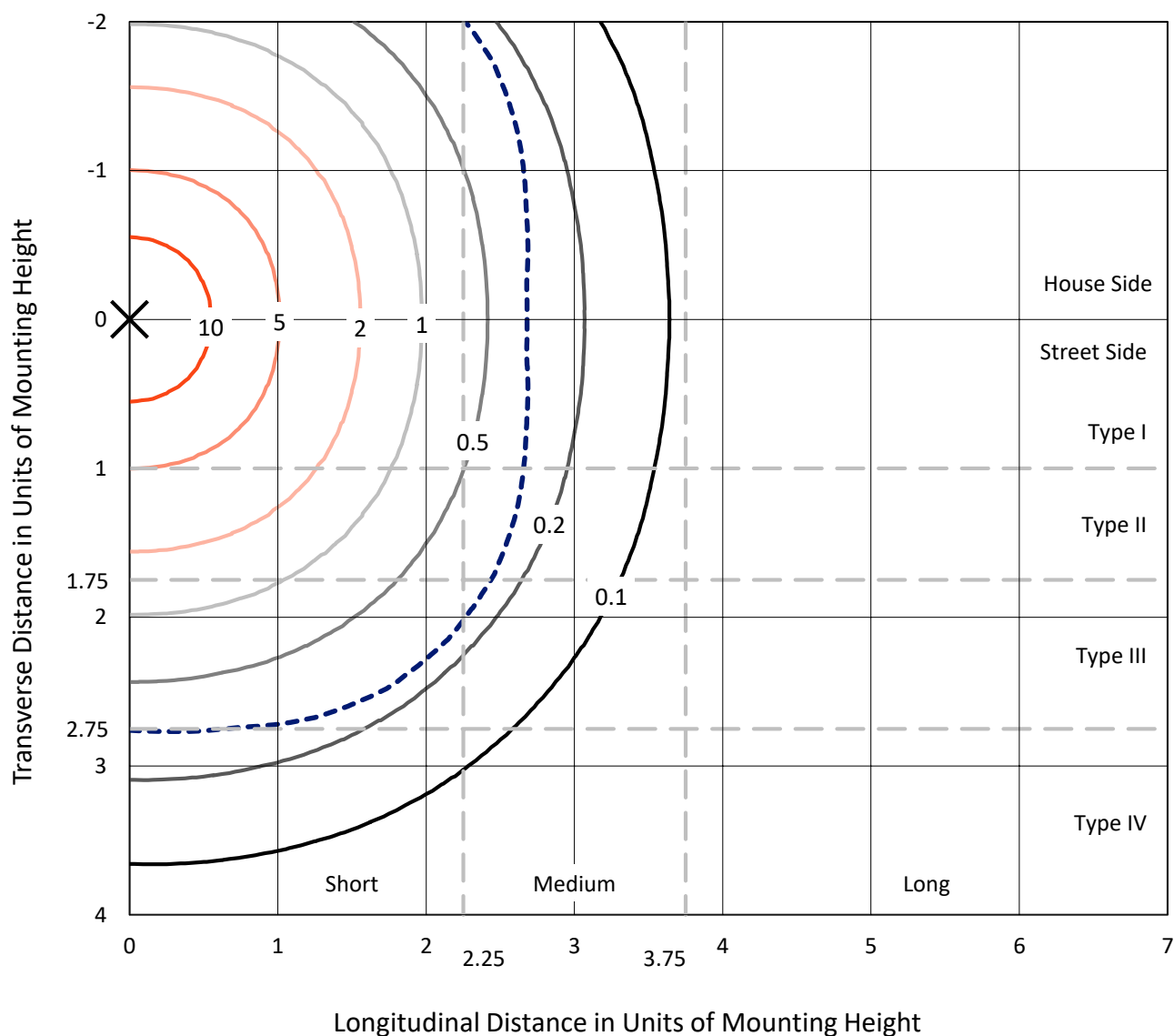


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

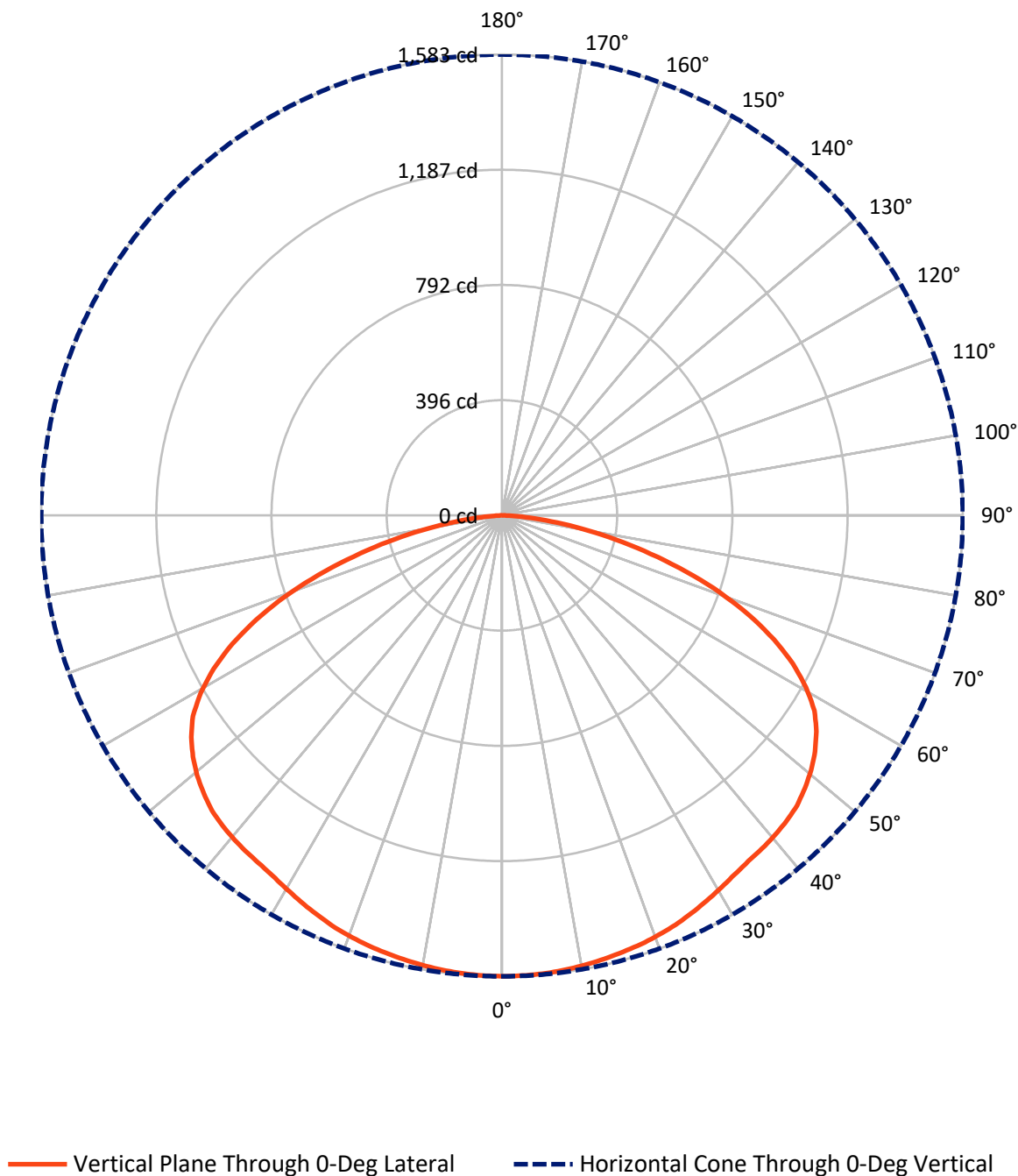


Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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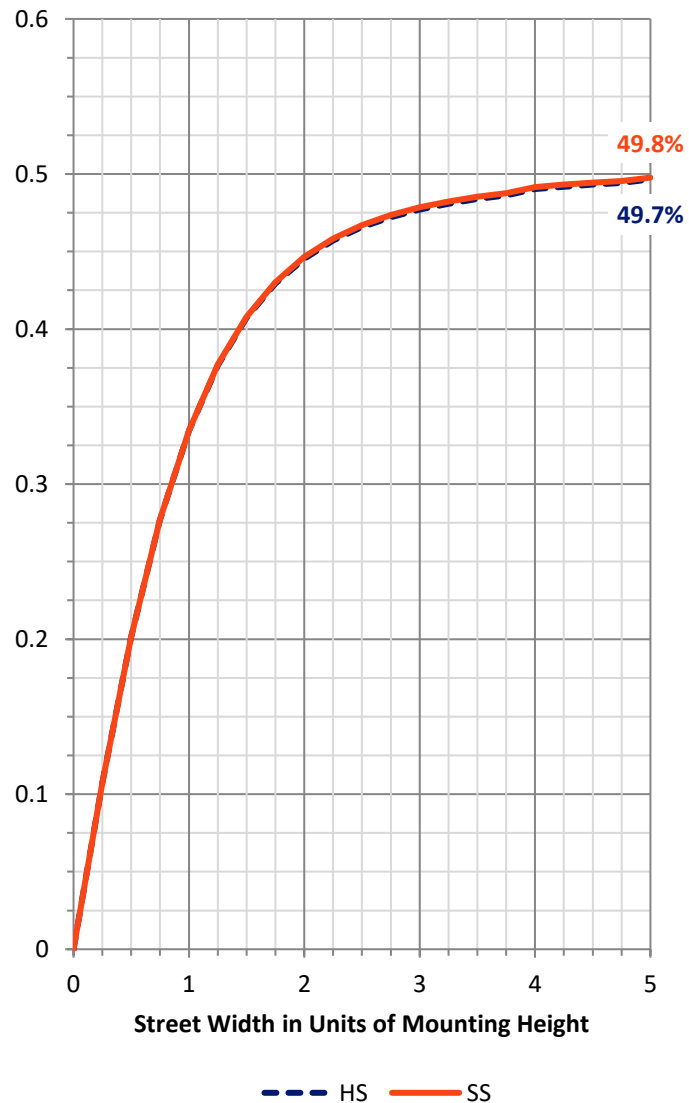
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3176.3	0.0	3176.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3176.3	0.0	3176.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6352.7	0.0	6352.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	2.4
10°-20°	440.6	6.9
20°-30°	700.9	11.0
30°-40°	927.0	14.6
40°-50°	1131.1	17.8
50°-60°	1221.6	19.2
60°-70°	1057.9	16.7
70°-80°	599.8	9.4
80°-90°	123.4	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°	6352.7	100.0
0°-180°	6352.7	100.0

Coefficient of Utilization



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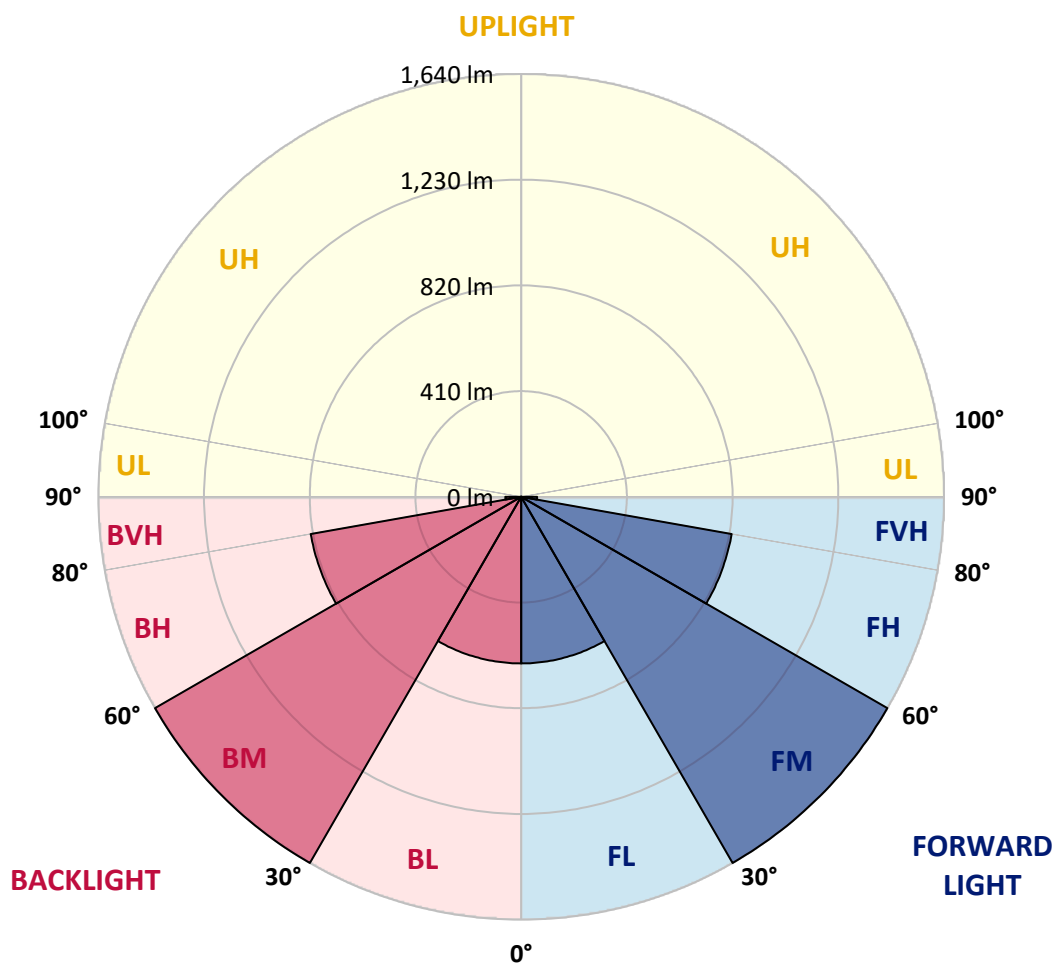
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.0	10.2			
FM	(30°-60°)	1639.8	25.8			
FH	(60°-80°)	828.8	13.0			G1/1800
FVH	(80°-90°)	61.7	1.0			G1/100
BL	(0°-30°)	646.0	10.2	B2/1000		
BM	(30°-60°)	1639.8	25.8	B2/2500		
BH	(60°-80°)	828.8	13.0	B2/1000		G1/1800
BVH	(80°-90°)	61.7	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°	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2	1583.2
2.5°	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1
5°	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9	1579.9
7.5°	1575.5	1575.5	1575.5	1575.5	1575.5	1576.6	1575.5	1575.5	1575.5	1575.5	1576.6
10°	1570.0	1570.0	1571.1	1571.1	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0
12.5°	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1563.5	1562.4	1562.4	1562.4
15°	1555.8	1555.8	1555.8	1556.9	1556.9	1556.9	1556.9	1555.8	1554.7	1553.6	1554.7
17.5°	1548.2	1548.2	1549.3	1550.4	1550.4	1550.4	1550.4	1548.2	1547.1	1546.0	1546.0
20°	1538.3	1539.4	1539.4	1540.5	1541.6	1541.6	1541.6	1540.5	1538.3	1536.2	1536.2
22.5°	1527.4	1528.5	1529.6	1530.7	1531.8	1530.7	1530.7	1529.6	1527.4	1526.3	1525.2
25°	1513.2	1513.2	1515.4	1517.6	1518.7	1518.7	1518.7	1516.5	1514.3	1513.2	1512.1
27.5°	1499.0	1499.0	1501.2	1504.4	1505.5	1506.6	1504.4	1503.4	1500.1	1497.9	1497.9
30°	1483.7	1483.7	1487.0	1491.3	1494.6	1495.7	1494.6	1490.2	1485.9	1483.7	1483.7
32.5°	1469.5	1470.6	1473.8	1480.4	1485.9	1488.0	1487.0	1481.5	1476.0	1471.6	1470.6
35°	1458.5	1459.6	1466.2	1473.8	1482.6	1485.9	1482.6	1477.1	1468.4	1461.8	1461.8
37.5°	1452.0	1452.0	1460.7	1473.8	1483.7	1488.0	1483.7	1476.0	1464.0	1455.2	1455.2
40°	1444.3	1446.5	1457.4	1473.8	1488.0	1494.6	1489.1	1478.2	1462.9	1452.0	1450.9
42.5°	1434.5	1437.8	1449.8	1471.6	1489.1	1499.0	1493.5	1480.4	1461.8	1449.8	1448.7
45°	1421.4	1422.4	1437.8	1464.0	1487.0	1500.1	1495.7	1479.3	1458.5	1444.3	1442.1
47.5°	1400.6	1402.8	1421.4	1452.0	1480.4	1494.6	1491.3	1472.7	1446.5	1430.1	1426.8
50°	1376.5	1378.7	1400.6	1435.6	1467.3	1483.7	1478.2	1455.2	1426.8	1404.9	1402.8
52.5°	1347.0	1351.4	1375.4	1414.8	1448.7	1464.0	1455.2	1425.7	1392.9	1368.9	1366.7
55°	1310.9	1315.3	1342.6	1384.2	1418.1	1430.1	1418.1	1383.1	1348.1	1320.8	1315.3
57.5°	1266.1	1269.4	1295.6	1339.3	1372.1	1382.0	1366.7	1330.6	1289.1	1259.5	1256.3
60°	1200.5	1204.9	1235.5	1275.9	1308.7	1320.8	1305.5	1261.7	1216.9	1187.4	1186.3
62.5°	1121.8	1129.4	1155.7	1199.4	1228.9	1245.3	1224.5	1179.7	1134.9	1101.0	1101.0
65°	1026.7	1032.1	1060.5	1103.2	1131.6	1145.8	1125.1	1083.5	1034.3	1004.8	1001.5
67.5°	917.3	921.7	946.8	990.6	1021.2	1033.2	1010.3	970.9	925.0	893.3	890.0
70°	796.0	802.5	821.1	861.6	888.9	895.5	878.0	840.8	799.2	770.8	768.6
72.5°	663.7	669.1	693.2	724.9	746.8	748.9	738.0	710.7	668.0	645.1	641.8
75°	528.1	536.8	557.6	584.9	601.3	601.3	594.8	575.1	537.9	520.4	520.4
77.5°	400.2	404.5	426.4	445.0	458.1	464.7	457.0	439.5	410.0	398.0	391.4
80°	278.8	283.2	293.0	307.2	320.4	324.7	316.0	301.8	285.4	276.6	272.2
82.5°	170.6	174.9	180.4	188.1	196.8	201.2	195.7	187.0	172.7	171.7	170.6
85°	82.0	84.2	88.6	90.7	95.1	96.2	97.3	92.9	88.6	83.1	85.3
87.5°	25.1	25.1	26.2	27.3	29.5	29.5	29.5	28.4	26.2	25.1	25.1
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)