

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: P400691

Luminaire Tested: **TT-D6-840-U-WQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-840-U-WQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
4000K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11848 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 105.2
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: 28.75 FT



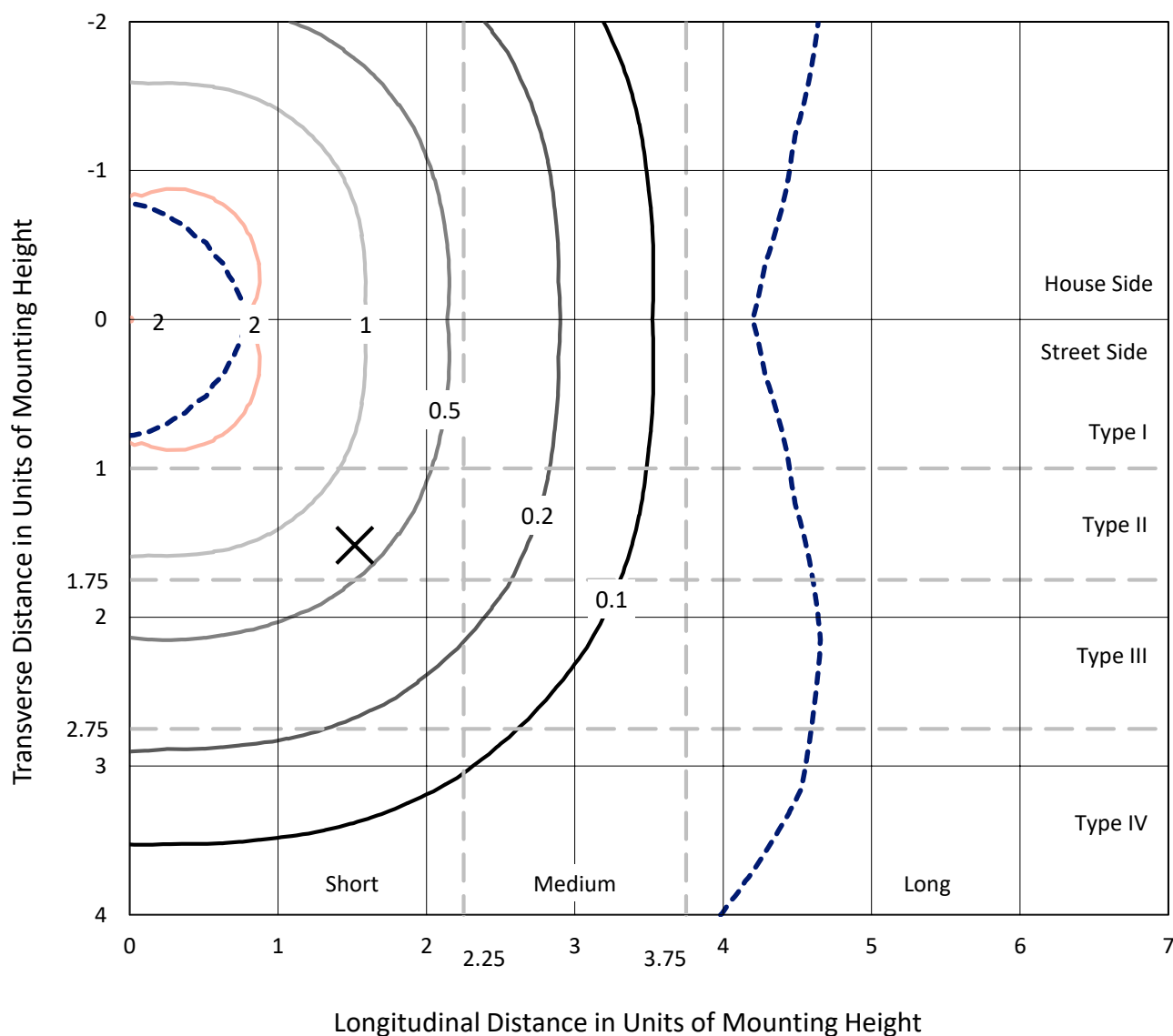
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

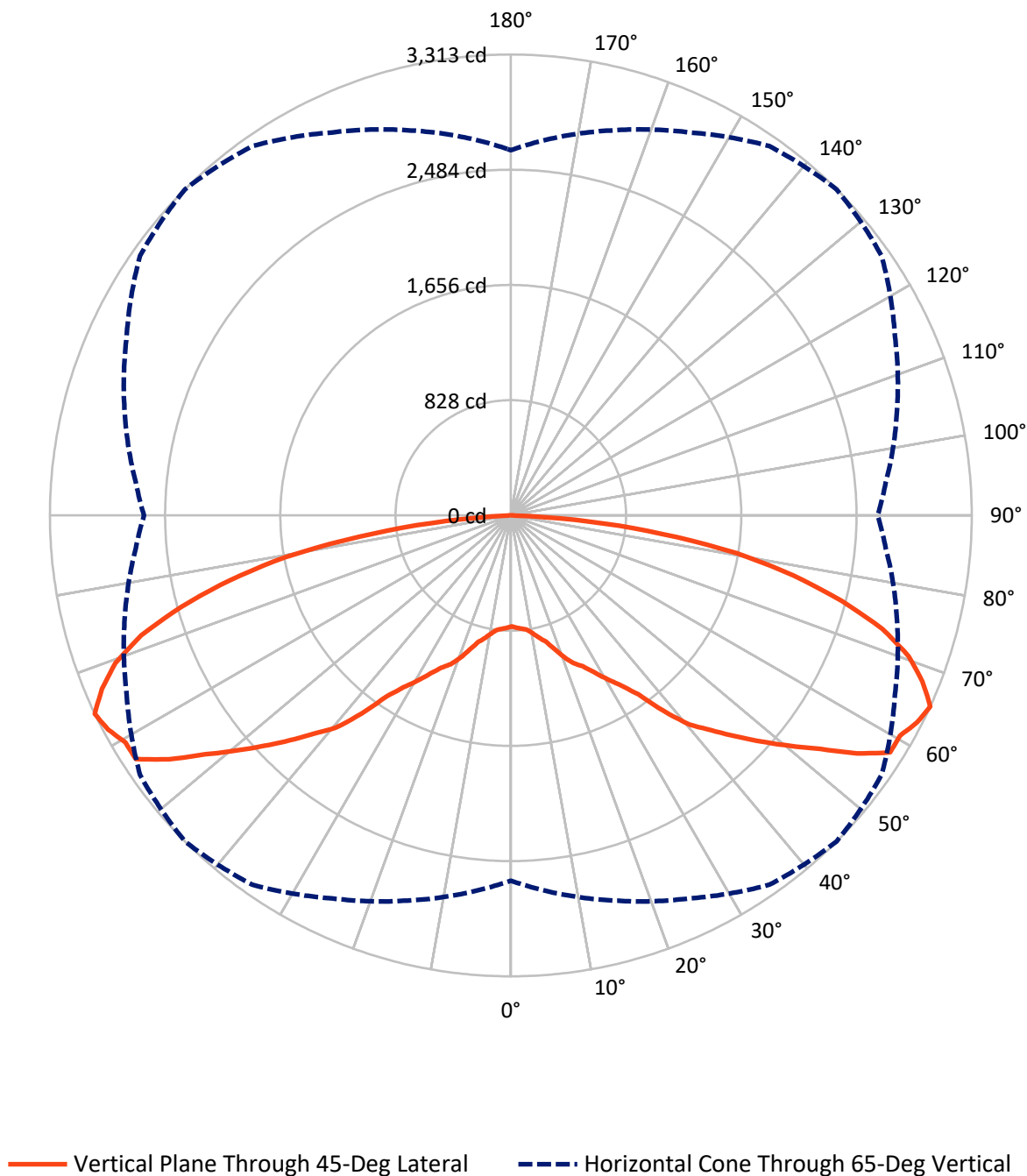


Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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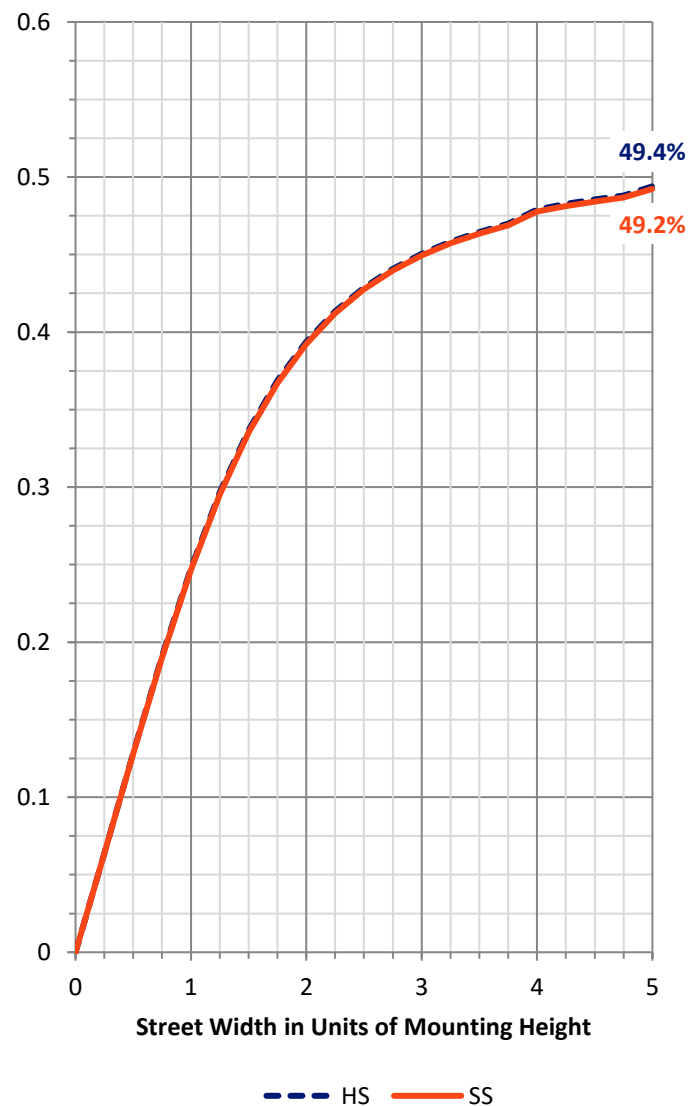
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5924.0	0.0	5924.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5924.0	0.0	5924.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11848.0	0.0	11848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	0.7
10°-20°	273.5	2.3
20°-30°	561.6	4.7
30°-40°	997.7	8.4
40°-50°	1681.8	14.2
50°-60°	2480.9	20.9
60°-70°	2911.6	24.6
70°-80°	2268.4	19.1
80°-90°	593.0	5.0
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°	11848.0	100.0
0°-180°	11848.0	100.0

Coefficient of Utilization



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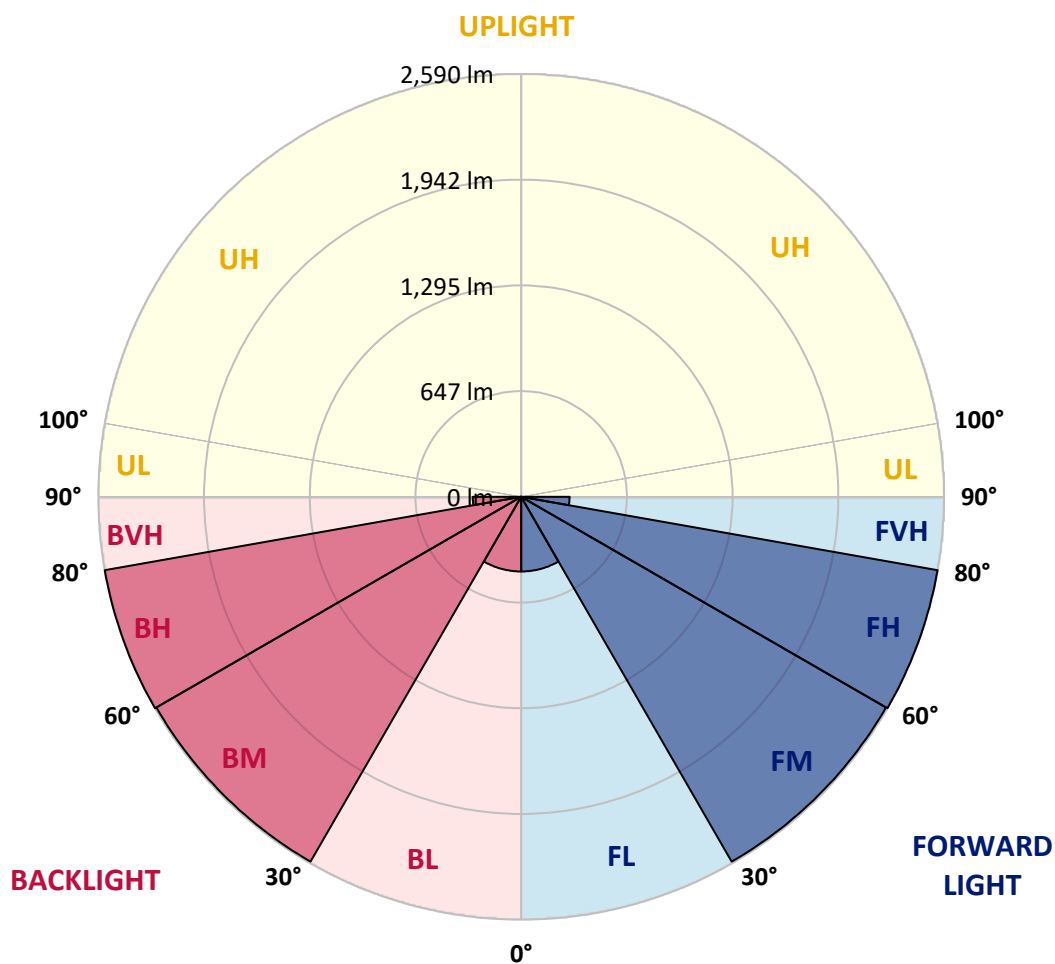
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.3	3.9			
FM	(30°-60°)	2580.2	21.8			
FH	(60°-80°)	2590.0	21.9			G2/5000
FVH	(80°-90°)	296.5	2.5			G3/500
BL	(0°-30°)	457.3	3.9	B1/500		
BM	(30°-60°)	2580.2	21.8	B3/5000		
BH	(60°-80°)	2590.0	21.9	B4/5000		G2/5000
BVH	(80°-90°)	296.5	2.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4	797.4
2.5°	810.4	810.4	810.4	808.6	808.6	808.6	808.6	810.4	810.4	810.4	810.4
5°	829.1	829.1	825.4	821.6	817.9	817.9	819.8	821.6	823.5	827.2	827.2
7.5°	840.3	840.3	838.4	834.7	829.1	829.1	830.9	834.7	836.5	836.5	834.7
10°	855.2	857.0	862.6	864.5	860.8	860.8	862.6	864.5	860.8	855.2	855.2
12.5°	890.6	892.4	899.9	905.5	905.5	901.7	903.6	907.3	898.0	888.7	890.6
15°	940.9	940.9	942.7	948.3	944.6	940.9	944.6	946.5	940.9	939.0	942.7
17.5°	1007.9	1007.9	996.8	1006.1	1007.9	1006.1	1009.8	1000.5	994.9	1002.3	1006.1
20°	1080.6	1073.1	1067.6	1075.0	1089.9	1084.3	1091.8	1071.3	1065.7	1069.4	1071.3
22.5°	1127.2	1132.8	1136.5	1140.2	1160.7	1153.3	1160.7	1138.4	1134.6	1127.2	1121.6
25°	1183.1	1188.7	1211.0	1199.8	1212.9	1201.7	1211.0	1198.0	1205.4	1183.1	1183.1
27.5°	1246.4	1257.6	1270.6	1265.0	1281.8	1276.2	1281.8	1263.2	1265.0	1255.7	1252.0
30°	1332.1	1332.1	1328.4	1339.6	1369.4	1365.7	1367.5	1343.3	1326.5	1328.4	1335.8
32.5°	1417.8	1406.6	1412.2	1445.8	1464.4	1456.9	1460.7	1449.5	1412.2	1404.8	1410.4
35°	1497.9	1514.7	1527.7	1555.7	1581.8	1578.0	1576.2	1557.6	1533.3	1503.5	1494.2
37.5°	1622.8	1641.4	1676.8	1727.1	1773.7	1783.0	1758.8	1734.5	1678.7	1635.8	1613.4
40°	1786.7	1788.6	1829.6	1926.4	1969.3	1976.8	1963.7	1922.7	1837.0	1788.6	1786.7
42.5°	1930.2	1917.1	1984.2	2066.2	2105.3	2109.0	2099.7	2066.2	1984.2	1915.3	1928.3
45°	2042.0	2042.0	2122.1	2187.3	2250.6	2265.5	2248.8	2178.0	2123.9	2043.8	2038.2
47.5°	2144.4	2172.4	2239.4	2319.6	2409.0	2429.5	2409.0	2325.2	2233.9	2174.2	2142.6
50°	2267.4	2300.9	2349.4	2474.2	2574.8	2602.8	2572.9	2481.7	2349.4	2299.1	2280.4
52.5°	2410.9	2438.8	2515.2	2671.7	2746.2	2787.2	2763.0	2675.4	2518.9	2442.5	2427.6
55°	2582.3	2556.2	2675.4	2826.3	2964.2	3018.2	2969.8	2830.1	2694.0	2556.2	2582.3
57.5°	2669.8	2640.0	2807.7	2951.2	3143.1	3213.8	3154.2	2962.3	2807.7	2649.3	2668.0
60°	2677.3	2690.3	2817.0	3051.8	3184.0	3213.8	3195.2	3068.5	2822.6	2701.5	2666.1
62.5°	2654.9	2735.0	2843.1	3085.3	3204.5	3277.2	3213.8	3089.0	2854.3	2748.1	2656.8
65°	2625.1	2705.2	2865.4	3036.9	3239.9	3312.6	3253.0	3046.2	2872.9	2705.2	2636.3
67.5°	2572.9	2545.0	2742.5	2971.6	3148.6	3191.5	3154.2	2975.4	2740.6	2541.3	2578.5
70°	2407.1	2382.9	2552.4	2804.0	2973.5	3033.1	2988.4	2807.7	2556.2	2388.5	2410.9
72.5°	2161.2	2168.6	2332.6	2572.9	2755.5	2792.8	2768.6	2571.1	2341.9	2178.0	2148.2
75°	1874.3	1892.9	2049.4	2267.4	2433.2	2455.6	2431.3	2276.7	2047.5	1904.1	1865.0
77.5°	1540.8	1568.7	1695.4	1913.4	2023.3	2073.6	2034.5	1919.0	1704.7	1576.2	1537.1
80°	1194.2	1203.6	1293.0	1468.1	1613.4	1647.0	1609.7	1473.7	1304.2	1207.3	1179.3
82.5°	782.5	797.4	877.5	1011.7	1106.7	1097.4	1106.7	1000.5	886.8	793.7	747.1
85°	348.4	378.2	432.2	495.6	557.1	573.8	557.1	503.0	432.2	370.8	363.3
87.5°	24.2	27.9	33.5	35.4	39.1	29.8	29.8	29.8	26.1	29.8	24.2
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)