

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: P400680

Luminaire Tested: **TT-D6-827-U-CQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D6-827-U-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10351 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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

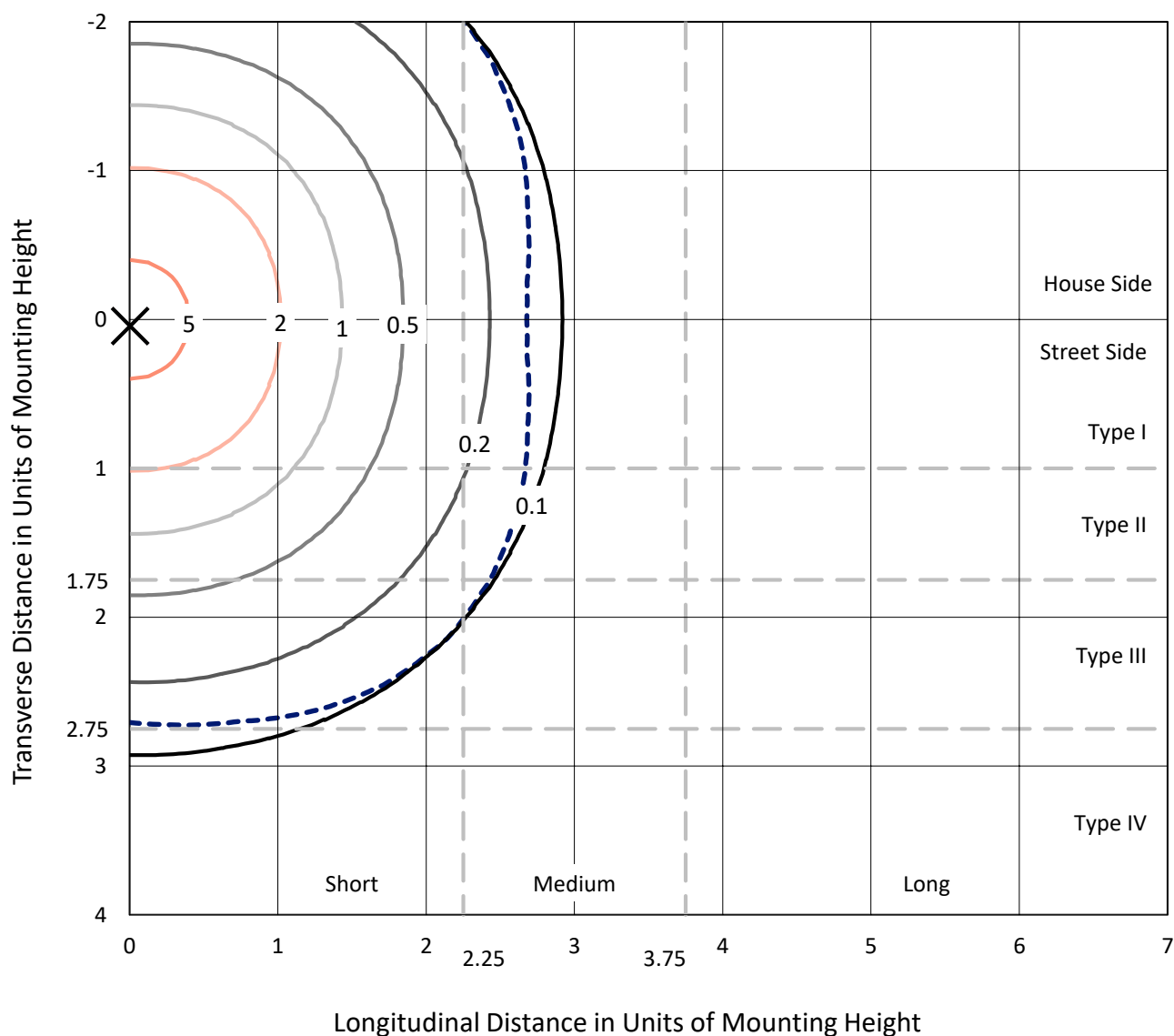


REPORT NUMBER: P400680

CATALOG NUMBER: TT-D6-827-U-CQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

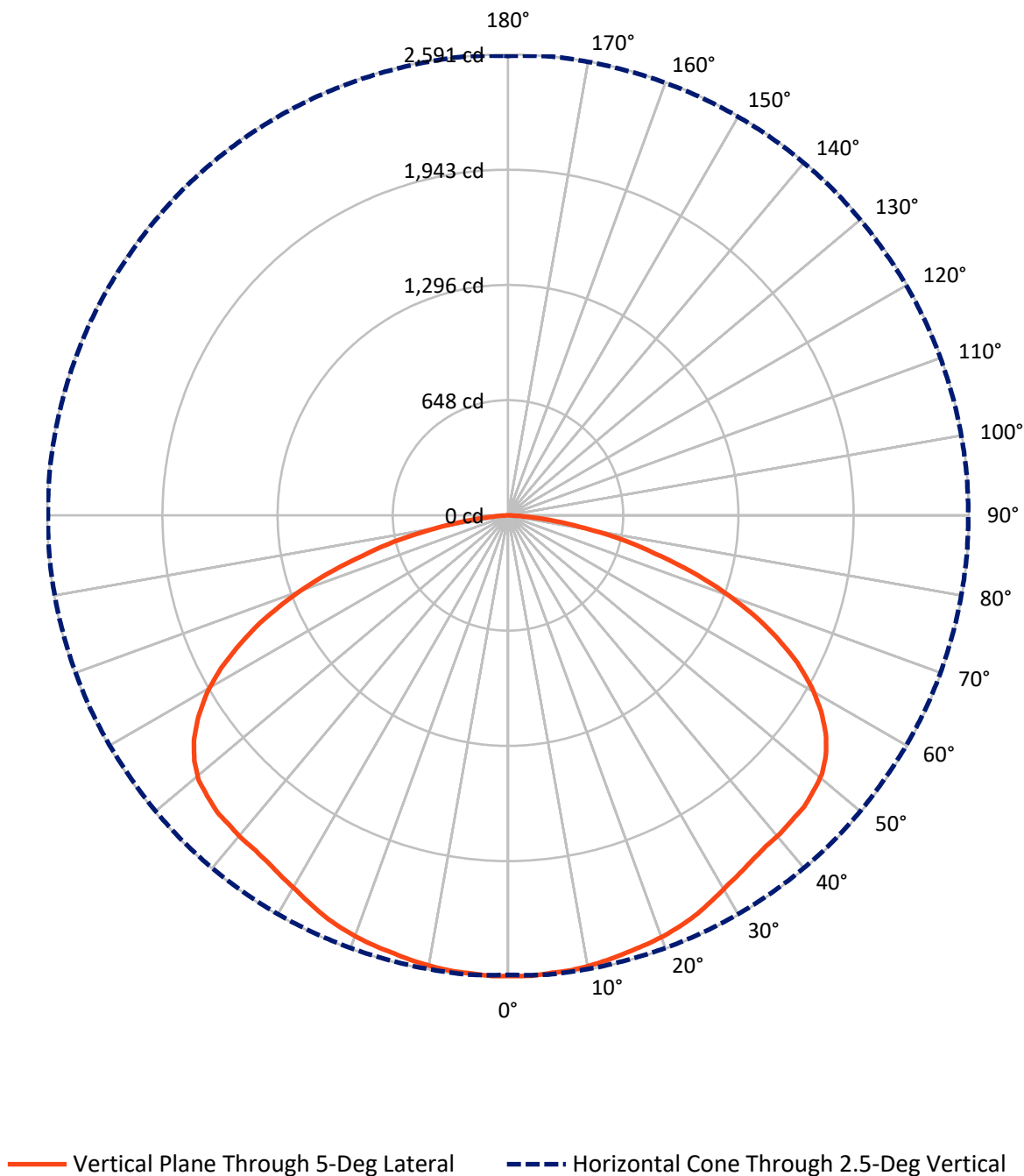


Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P400680

CATALOG NUMBER: TT-D6-827-U-CQ

Luminous Intensity Polar Plot



REPORT NUMBER: P400680

CATALOG NUMBER: TT-D6-827-U-CQ

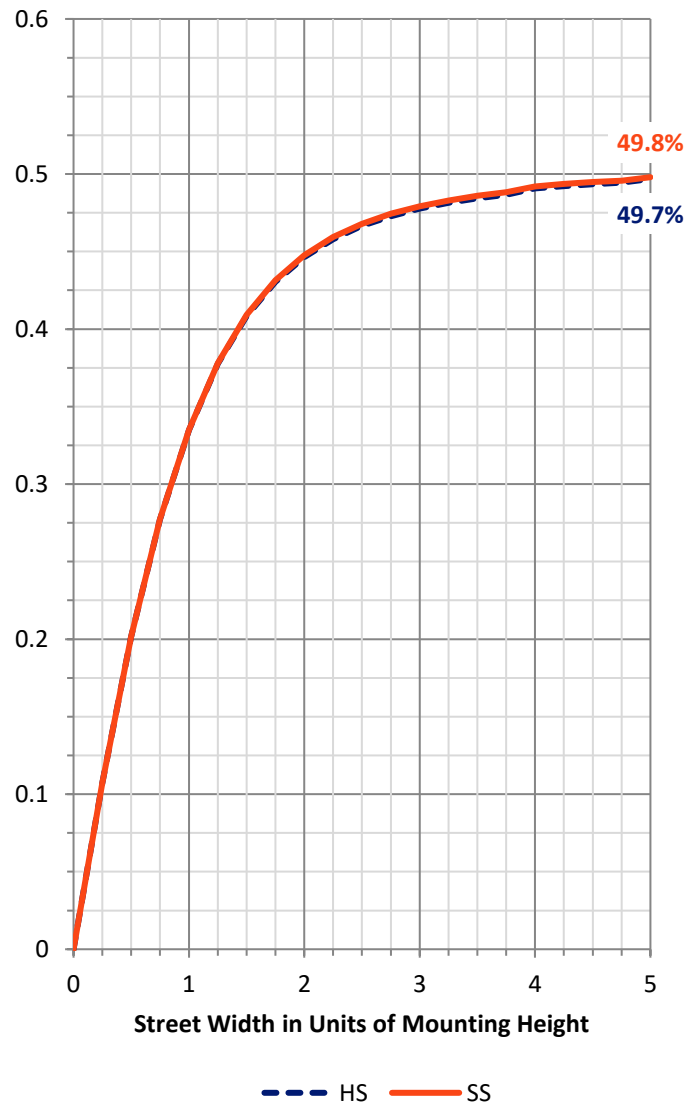
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5175.5	0.0	5175.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5175.5	0.0	5175.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10351.0	0.0	10351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.3	2.4
10°-20°	721.3	7.0
20°-30°	1147.0	11.1
30°-40°	1508.9	14.6
40°-50°	1846.8	17.8
50°-60°	2000.3	19.3
60°-70°	1720.9	16.6
70°-80°	967.5	9.3
80°-90°	191.8	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°	10351.0	100.0
0°-180°	10351.0	100.0

Coefficient of Utilization



REPORT NUMBER: P400680

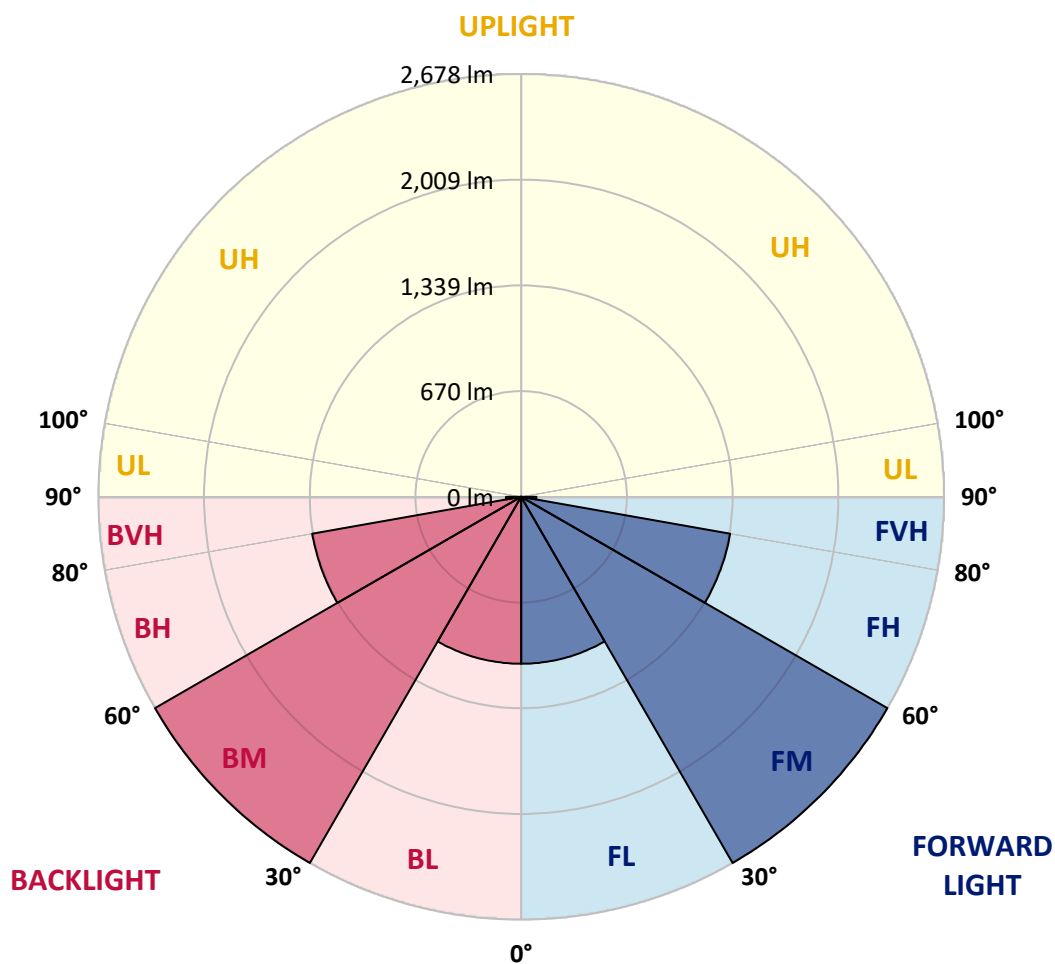
CATALOG NUMBER: TT-D6-827-U-CQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1057.3	10.2			
FM	(30°-60°)	2678.1	25.9			
FH	(60°-80°)	1344.2	13.0			G1/1800
FVH	(80°-90°)	95.9	0.9			G1/100
BL	(0°-30°)	1057.3	10.2	B3/2500		
BM	(30°-60°)	2678.1	25.9	B3/5000		
BH	(60°-80°)	1344.2	13.0	B3/2500		G1/1800
BVH	(80°-90°)	95.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P400680

CATALOG NUMBER: TT-D6-827-U-CQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5	2589.5
2.5°	2582.9	2591.2	2587.9	2587.9	2587.9	2587.9	2584.6	2587.9	2587.9	2589.5	2587.9
5°	2584.6	2582.9	2582.9	2584.6	2584.6	2586.2	2582.9	2584.6	2586.2	2586.2	2587.9
7.5°	2579.6	2581.3	2578.0	2581.3	2578.0	2579.6	2579.6	2581.3	2579.6	2581.3	2584.6
10°	2569.7	2571.4	2569.7	2569.7	2569.7	2573.0	2566.5	2571.4	2569.7	2571.4	2569.7
12.5°	2551.6	2559.9	2556.6	2559.9	2559.9	2559.9	2554.9	2558.2	2559.9	2559.9	2559.9
15°	2543.4	2545.0	2540.1	2546.7	2548.3	2550.0	2543.4	2546.7	2546.7	2548.3	2550.0
17.5°	2525.3	2533.5	2531.9	2536.8	2535.2	2540.1	2538.5	2536.8	2535.2	2538.5	2535.2
20°	2512.1	2520.3	2518.7	2523.6	2525.3	2530.2	2525.3	2525.3	2520.3	2522.0	2526.9
22.5°	2498.9	2502.2	2502.2	2507.2	2507.2	2512.1	2507.2	2505.5	2505.5	2503.9	2508.8
25°	2477.5	2479.1	2477.5	2482.4	2485.7	2489.0	2487.4	2484.1	2482.4	2482.4	2480.8
27.5°	2442.9	2449.5	2452.8	2459.4	2461.0	2466.0	2459.4	2459.4	2456.1	2452.8	2454.4
30°	2416.6	2419.8	2419.8	2434.7	2434.7	2442.9	2434.7	2433.0	2431.4	2429.7	2426.4
32.5°	2391.8	2396.8	2401.7	2413.3	2421.5	2424.8	2419.8	2416.6	2408.3	2403.4	2401.7
35°	2372.1	2373.7	2383.6	2400.1	2410.0	2418.2	2411.6	2403.4	2391.8	2383.6	2390.2
37.5°	2357.3	2358.9	2373.7	2395.1	2413.3	2419.8	2410.0	2396.8	2378.7	2368.8	2365.5
40°	2344.1	2354.0	2370.4	2400.1	2419.8	2429.7	2421.5	2403.4	2377.0	2357.3	2355.6
42.5°	2337.5	2342.4	2367.1	2401.7	2429.7	2442.9	2431.4	2406.7	2373.7	2350.7	2349.0
45°	2321.0	2335.8	2358.9	2403.4	2434.7	2451.1	2434.7	2403.4	2363.8	2337.5	2332.5
47.5°	2307.8	2312.8	2349.0	2400.1	2438.0	2451.1	2434.7	2395.1	2345.7	2311.1	2307.8
50°	2276.5	2288.1	2324.3	2378.7	2423.1	2436.3	2416.6	2363.8	2307.8	2269.9	2263.4
52.5°	2228.8	2238.6	2281.5	2349.0	2391.8	2406.7	2377.0	2321.0	2255.1	2209.0	2209.0
55°	2154.6	2169.5	2213.9	2283.1	2337.5	2350.7	2316.1	2256.8	2182.6	2136.5	2134.9
57.5°	2065.7	2075.6	2123.3	2199.1	2251.8	2271.6	2237.0	2171.1	2097.0	2042.6	2037.7
60°	1950.4	1963.6	2014.6	2087.1	2141.5	2157.9	2128.3	2062.4	1986.6	1929.0	1929.0
62.5°	1812.0	1826.8	1877.9	1952.0	2008.0	2032.7	1991.6	1929.0	1849.9	1793.9	1788.9
65°	1650.6	1663.7	1709.9	1787.3	1844.9	1863.1	1831.8	1765.9	1690.1	1637.4	1632.4
67.5°	1469.4	1487.5	1533.6	1599.5	1648.9	1672.0	1652.2	1592.9	1513.8	1459.5	1454.5
70°	1273.3	1286.5	1322.8	1383.7	1439.7	1456.2	1426.5	1387.0	1312.9	1263.5	1256.9
72.5°	1064.1	1075.7	1105.3	1163.0	1202.5	1223.9	1207.5	1156.4	1097.1	1055.9	1062.5
75°	853.3	851.6	884.6	925.8	962.0	976.8	965.3	932.4	878.0	843.4	841.8
77.5°	642.4	658.9	670.4	705.0	734.7	746.2	729.7	703.4	662.2	634.2	639.1
80°	451.4	441.5	462.9	484.3	504.1	515.6	505.7	490.9	462.9	441.5	438.2
82.5°	276.7	268.5	278.4	298.2	311.3	314.6	316.3	298.2	286.6	270.2	273.4
85°	121.9	123.5	131.8	145.0	146.6	148.3	148.3	145.0	131.8	130.1	126.8
87.5°	29.7	29.7	31.3	36.2	36.2	37.9	37.9	32.9	31.3	28.0	29.7
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)