

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: STREETWORKS

Report Number: P285877

Luminaire Tested: **USSL-XL-C04-D-U-T5-BZ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-XL-C04-D-U-T5-BZ-7050  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39806 lumens  
Efficiency: N/A  
Efficacy: 150.8 lumens/watt  
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B5 - U0 - G5

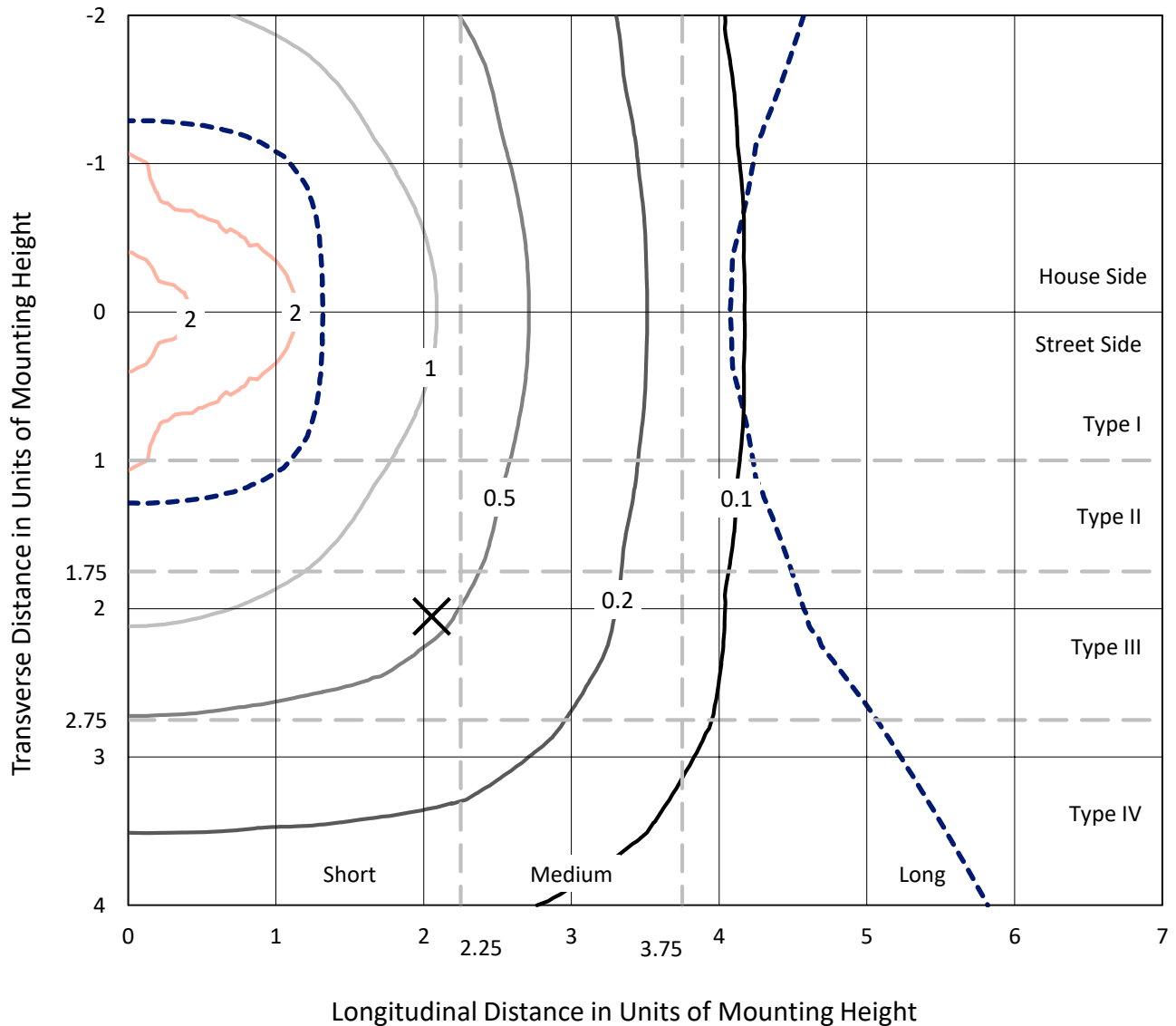
Input Watts (W): 264  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

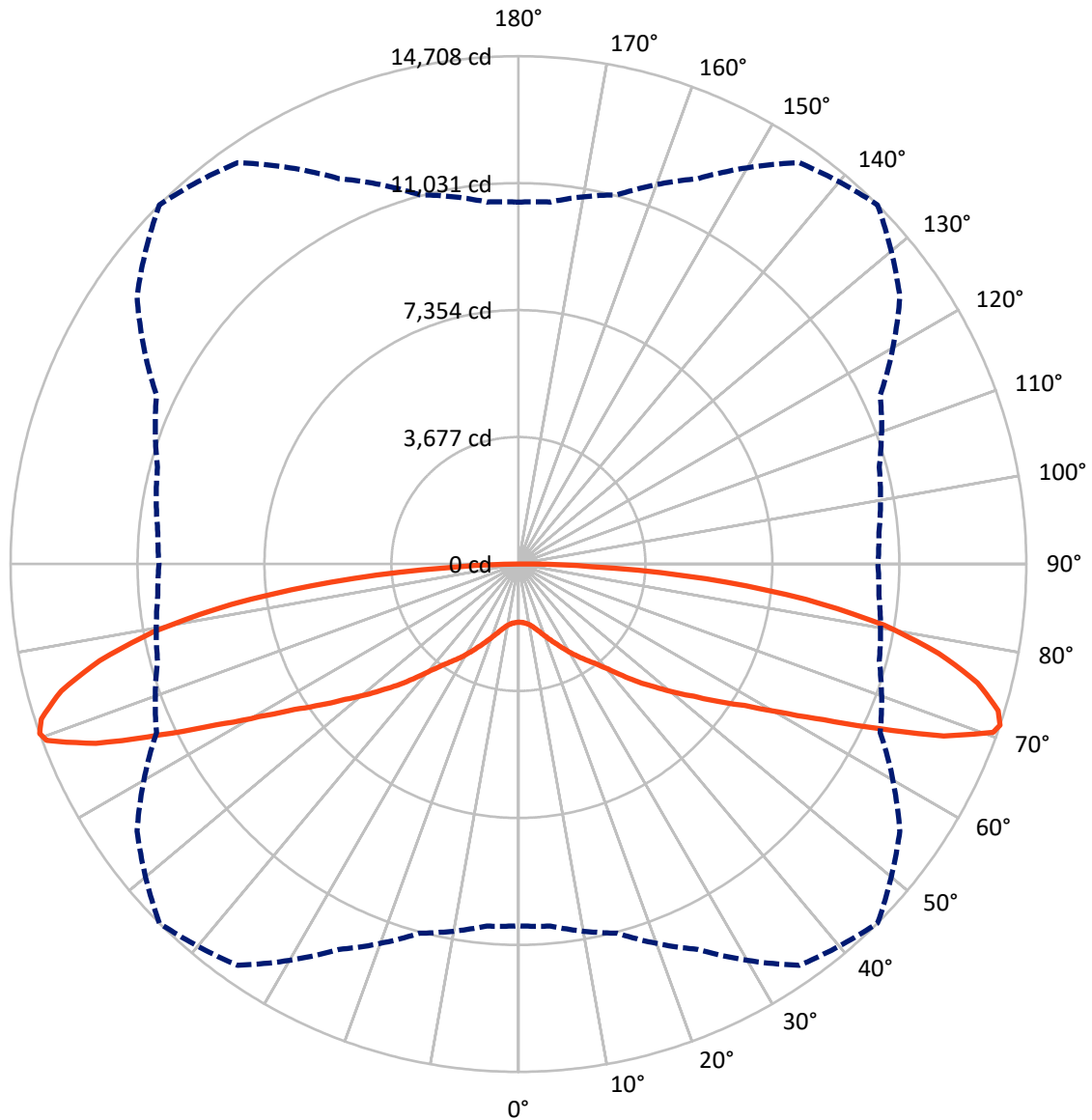
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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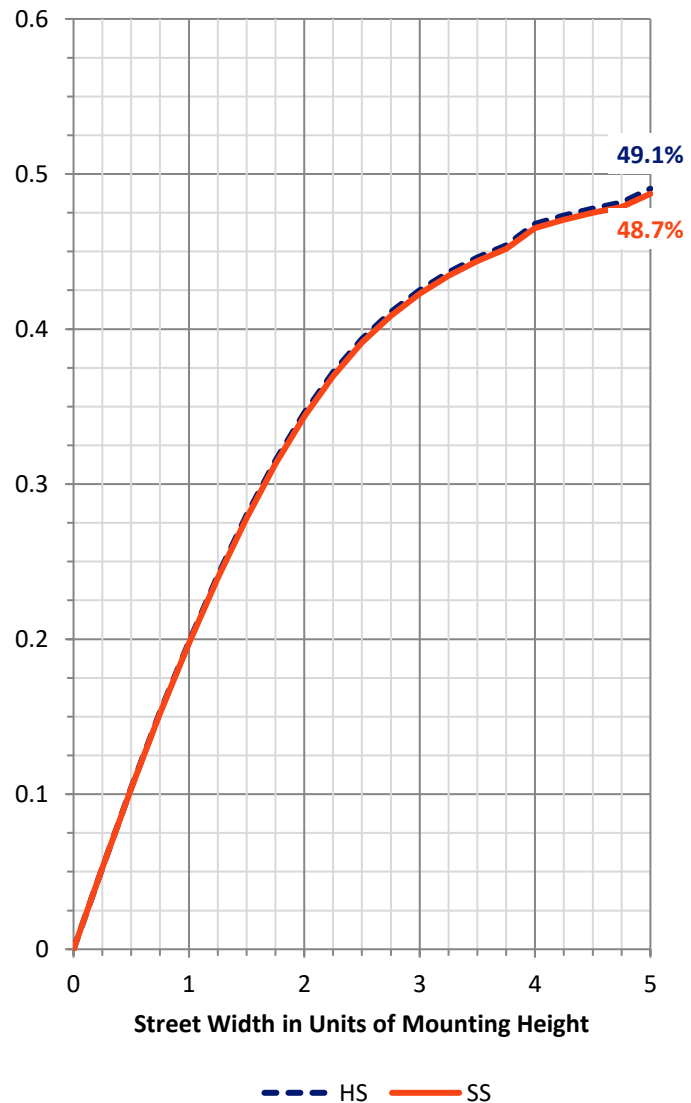
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19903.0	0.0	19903.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19903.0	0.0	19903.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39806.0	0.0	39806.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.2	0.4
10°-20°	556.8	1.4
20°-30°	1171.0	2.9
30°-40°	2156.7	5.4
40°-50°	3959.8	9.9
50°-60°	6901.5	17.3
60°-70°	11152.6	28.0
70°-80°	10746.3	27.0
80°-90°	2996.0	7.5
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°	39806.0	100.0
0°-180°	39806.0	100.0



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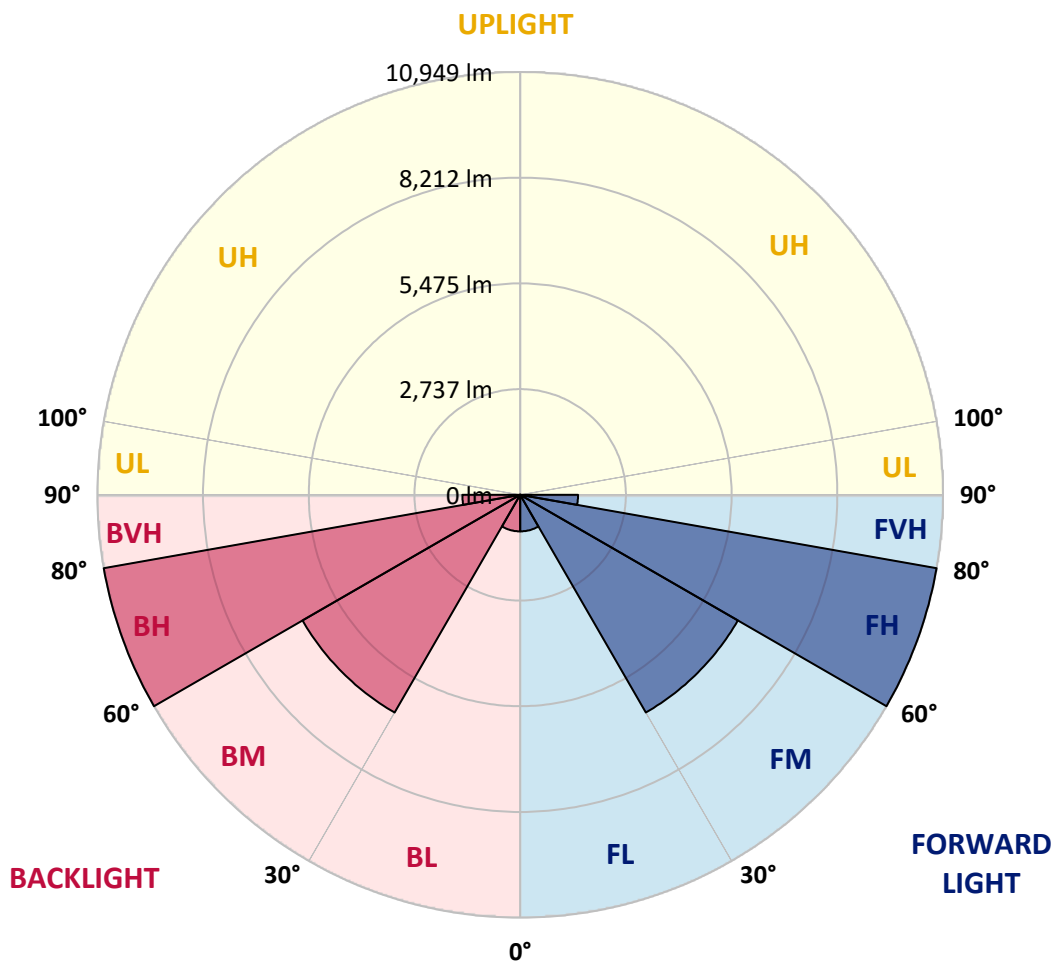
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	946.5	2.4			
FM	(30°-60°)	6509.0	16.4			
FH	(60°-80°)	10949.5	27.5			G4/12000
FVH	(80°-90°)	1498.0	3.8			G5
BL	(0°-30°)	946.5	2.4	B2/1000		
BM	(30°-60°)	6509.0	16.4	B4/8500		
BH	(60°-80°)	10949.5	27.5	B5		G4/12000
BVH	(80°-90°)	1498.0	3.8			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0	1684.0
2.5°	1691.1	1699.6	1695.3	1692.5	1693.9	1692.5	1689.7	1686.8	1684.0	1682.6	1682.6
5°	1703.8	1709.5	1708.1	1706.7	1708.1	1710.9	1709.5	1708.1	1703.8	1701.0	1701.0
7.5°	1735.0	1736.4	1737.8	1736.4	1736.4	1740.6	1737.8	1736.4	1727.9	1726.5	1723.6
10°	1783.1	1781.7	1785.9	1787.3	1787.3	1790.1	1781.7	1776.0	1760.4	1759.0	1756.2
12.5°	1839.7	1839.7	1845.3	1852.4	1858.1	1863.7	1848.2	1835.4	1814.2	1805.7	1807.1
15°	1917.5	1916.1	1923.2	1938.7	1954.3	1965.6	1943.0	1921.8	1893.5	1882.1	1885.0
17.5°	2019.4	2018.0	2029.3	2047.7	2073.2	2090.2	2059.0	2027.9	2002.4	1988.3	1988.3
20°	2143.9	2145.3	2153.8	2177.9	2210.4	2231.7	2192.0	2151.0	2132.6	2119.9	2117.0
22.5°	2289.7	2301.0	2296.8	2325.1	2368.9	2393.0	2346.3	2301.0	2284.0	2275.5	2272.7
25°	2462.3	2473.7	2462.3	2490.6	2545.8	2569.9	2521.8	2472.2	2463.7	2458.1	2455.3
27.5°	2654.8	2656.2	2653.4	2668.9	2743.9	2768.0	2704.3	2660.5	2664.7	2661.9	2657.6
30°	2864.2	2862.8	2860.0	2855.7	2950.6	2980.3	2909.5	2874.1	2888.3	2879.8	2879.8
32.5°	3097.7	3093.5	3077.9	3087.8	3144.4	3202.5	3119.0	3097.7	3138.8	3133.1	3138.8
35°	3353.9	3352.5	3322.7	3332.6	3372.3	3424.6	3360.9	3351.0	3413.3	3427.5	3435.9
37.5°	3645.4	3646.8	3605.8	3600.1	3632.7	3670.9	3646.8	3672.3	3764.3	3812.4	3799.6
40°	4023.2	4017.6	3962.4	3917.1	3951.1	4000.6	4026.1	4096.8	4238.3	4310.5	4317.6
42.5°	4534.1	4519.9	4456.3	4368.5	4385.5	4418.1	4494.5	4617.6	4787.4	4855.3	4835.5
45°	5139.8	5114.3	5020.9	4920.4	4866.6	4878.0	4950.1	5103.0	5306.8	5397.3	5412.9
47.5°	5824.7	5795.0	5654.9	5465.3	5335.1	5320.9	5393.1	5598.3	5845.9	5956.3	5950.6
50°	6595.9	6559.1	6410.6	6119.0	5877.1	5836.0	5885.5	6140.3	6430.4	6579.0	6570.5
52.5°	7437.9	7385.6	7222.8	6846.4	6525.2	6365.3	6437.4	6743.1	7038.9	7229.9	7237.0
55°	8295.5	8284.2	8074.8	7695.5	7256.8	7020.5	7070.0	7398.3	7763.4	7957.3	7948.8
57.5°	9160.2	9130.4	8964.9	8567.2	8128.5	7733.7	7787.5	8146.9	8520.5	8724.3	8717.2
60°	10005.0	9964.0	9835.2	9538.0	9168.7	8711.6	8677.6	9021.5	9349.8	9539.4	9522.4
62.5°	10882.4	10881.0	10776.3	10544.2	10347.5	9920.1	9754.5	9993.7	10283.8	10462.1	10452.2
65°	11669.2	11674.9	11689.0	11696.1	11715.9	11489.5	11117.3	11084.8	11299.9	11406.0	11376.3
67.5°	11683.4	11735.7	11983.4	12494.2	13200.4	13290.9	12563.6	11898.5	11652.2	11524.9	11509.3
70°	10907.9	10971.5	11444.2	12484.3	14090.5	14591.5	13377.3	11776.8	11162.6	10838.5	10776.3
71°	10477.7	10524.4	11069.2	12315.9	14186.7	14707.5	13483.4	11563.1	10820.1	10480.5	10409.7
72.5°	9714.9	9757.4	10450.8	11867.3	14052.3	14530.6	13378.7	11152.7	10215.9	9799.8	9719.1
75°	8226.2	8338.0	9014.4	10770.6	13252.7	13736.7	12665.5	10064.4	8894.1	8282.8	8223.3
77.5°	6127.5	6321.4	7142.2	9088.0	11806.5	12448.9	11345.1	8469.6	7112.5	6440.3	6366.7
80°	3460.0	3656.7	4780.3	6890.3	9893.2	10736.6	9422.0	6427.5	5054.9	4201.5	4108.1
82.5°	1280.7	1239.7	2296.8	4338.8	7368.6	8396.0	6896.0	4190.2	2782.2	1928.8	1869.4
85°	283.0	424.5	1013.2	2186.4	4650.1	5452.5	4068.5	2112.8	1078.3	556.1	519.4
87.5°	77.8	138.7	348.1	917.0	1873.6	2124.1	1534.0	573.1	172.6	67.9	67.9
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)