

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: P285867

Luminaire Tested: **USSL-XL-C04-D-U-T5-BZ-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285867  
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-7030  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38387 lumens  
Efficiency: N/A  
Efficacy: 145.4 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

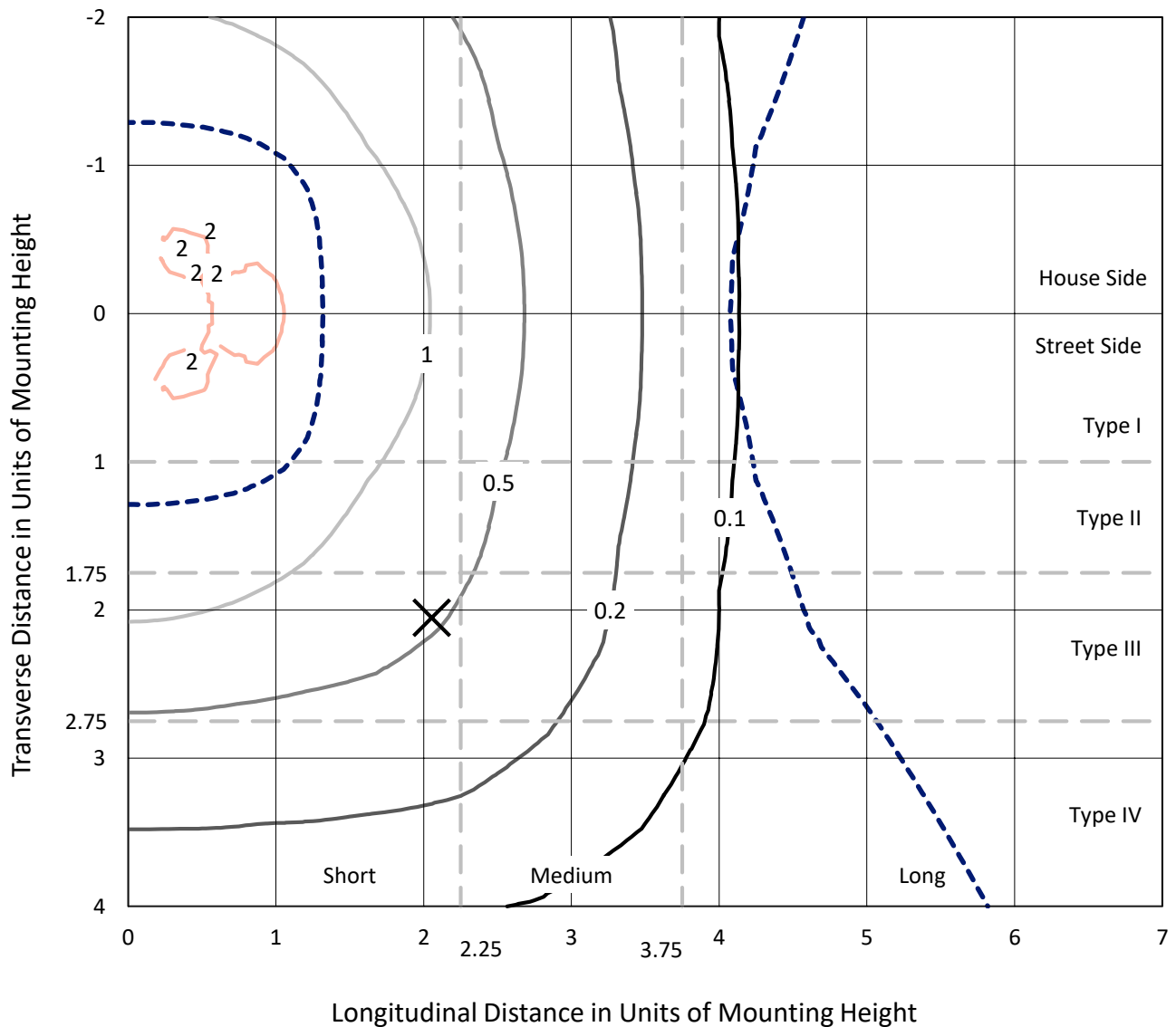
Input Watts (W): 264  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

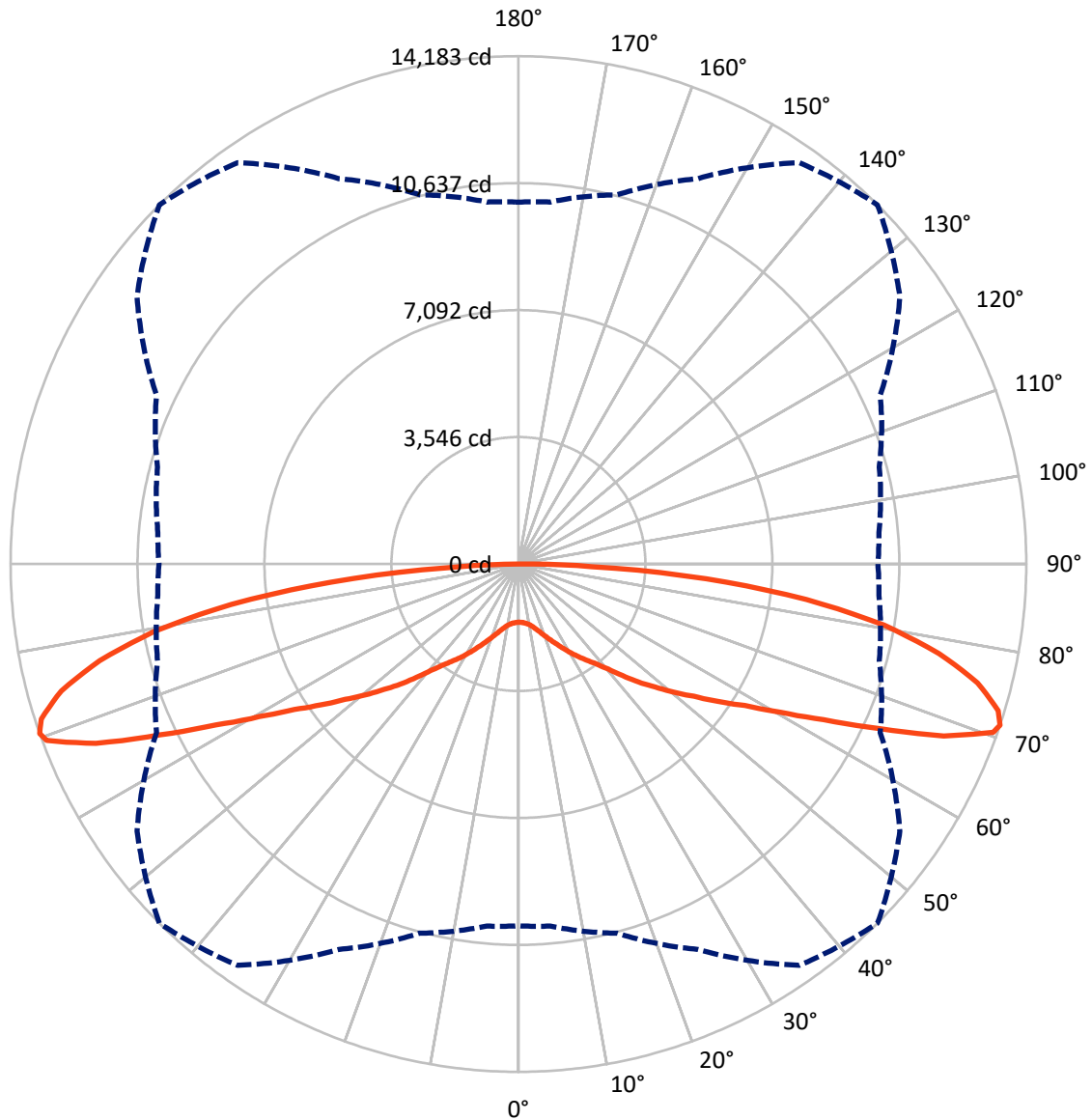
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.1 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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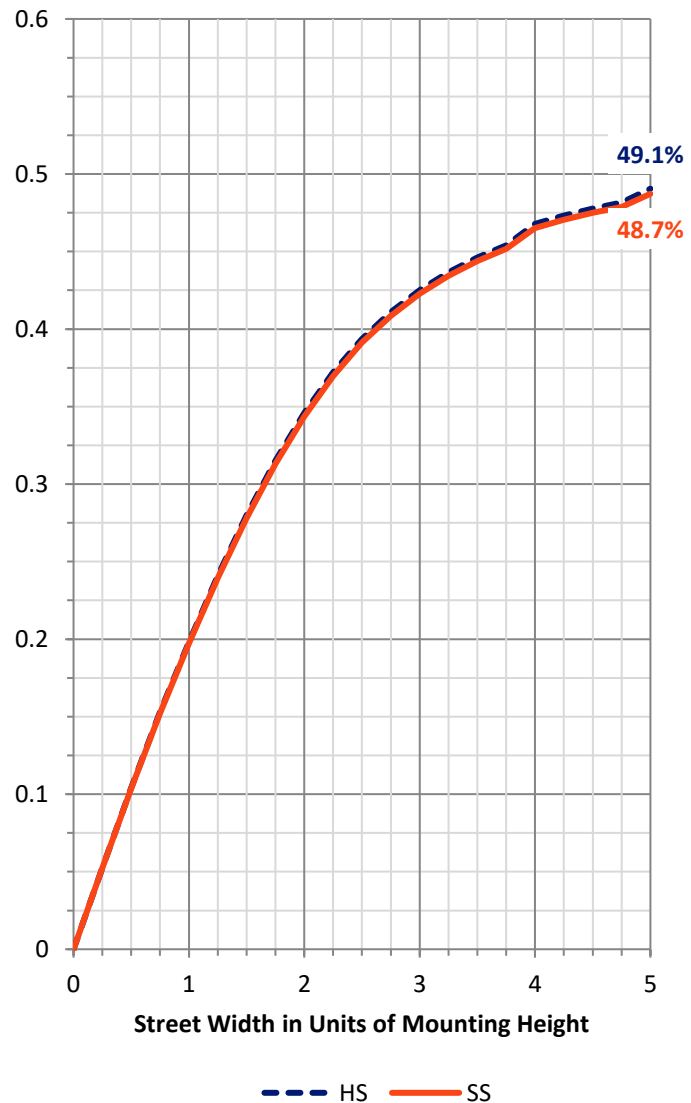
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19193.5	0.0	19193.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19193.5	0.0	19193.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38387.0	0.0	38387.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.3	0.4
10°-20°	537.0	1.4
20°-30°	1129.3	2.9
30°-40°	2079.8	5.4
40°-50°	3818.6	9.9
50°-60°	6655.5	17.3
60°-70°	10755.0	28.0
70°-80°	10363.2	27.0
80°-90°	2889.2	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°	38387.0	100.0
0°-180°	38387.0	100.0



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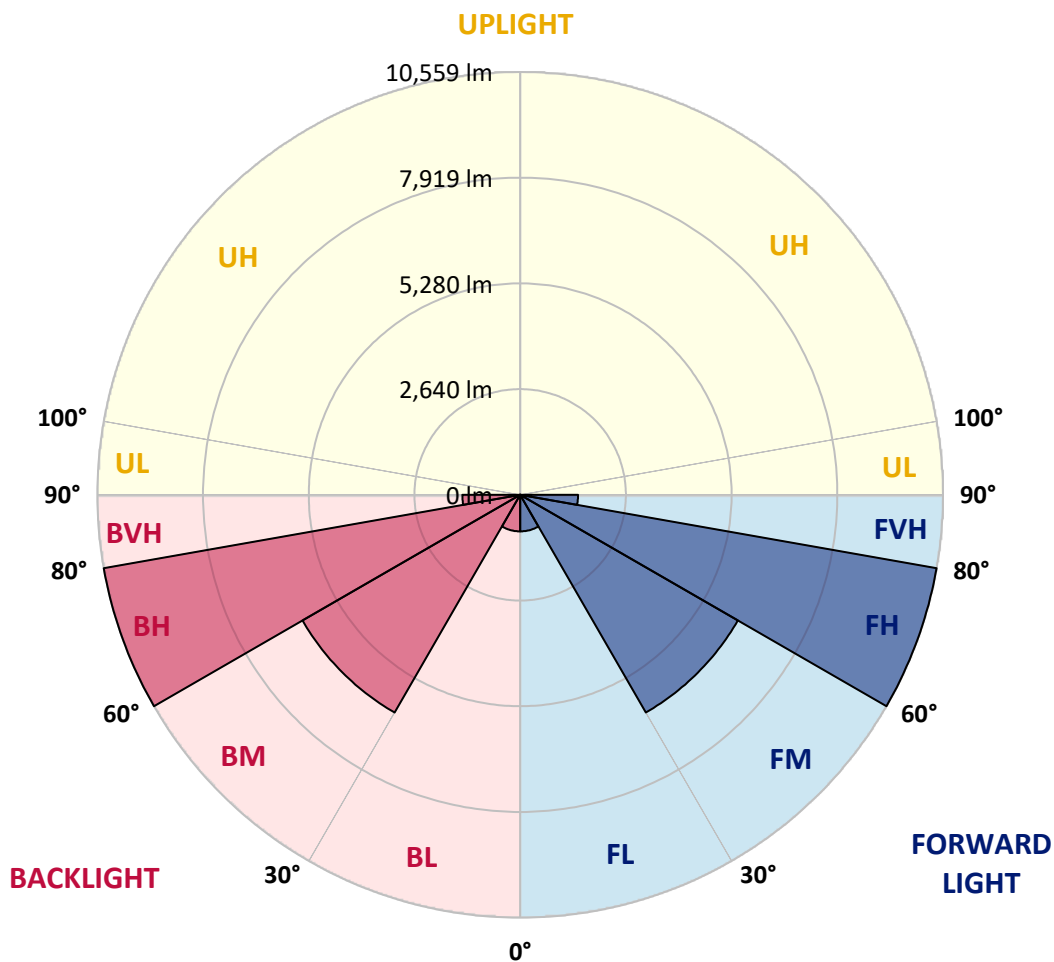
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	912.8	2.4			
FM	(30°-60°)	6277.0	16.4			
FH	(60°-80°)	10559.1	27.5			G4/12000
FVH	(80°-90°)	1444.6	3.8			G5
BL	(0°-30°)	912.8	2.4	B2/1000		
BM	(30°-60°)	6277.0	16.4	B4/8500		
BH	(60°-80°)	10559.1	27.5	B5		G4/12000
BVH	(80°-90°)	1444.6	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°	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1630.8	1639.0	1634.9	1632.2	1633.5	1632.2	1629.4	1626.7	1624.0	1622.6	1622.6
5°	1643.1	1648.5	1647.2	1645.8	1647.2	1649.9	1648.5	1647.2	1643.1	1640.4	1640.4
7.5°	1673.1	1674.5	1675.8	1674.5	1674.5	1678.6	1675.8	1674.5	1666.3	1664.9	1662.2
10°	1719.5	1718.1	1722.2	1723.6	1723.6	1726.3	1718.1	1712.7	1697.7	1696.3	1693.6
12.5°	1774.1	1774.1	1779.6	1786.4	1791.8	1797.3	1782.3	1770.0	1749.5	1741.3	1742.7
15°	1849.2	1847.8	1854.6	1869.6	1884.6	1895.6	1873.7	1853.2	1826.0	1815.0	1817.8
17.5°	1947.4	1946.0	1957.0	1974.7	1999.3	2015.6	1985.6	1955.6	1931.0	1917.4	1917.4
20°	2067.5	2068.9	2077.1	2100.3	2131.6	2152.1	2113.9	2074.3	2056.6	2044.3	2041.6
22.5°	2208.1	2219.0	2214.9	2242.2	2284.5	2307.7	2262.7	2219.0	2202.6	2194.4	2191.7
25°	2374.6	2385.5	2374.6	2401.9	2455.1	2478.3	2431.9	2384.1	2375.9	2370.5	2367.7
27.5°	2560.2	2561.5	2558.8	2573.8	2646.1	2669.3	2607.9	2565.6	2569.7	2567.0	2562.9
30°	2762.1	2760.8	2758.0	2753.9	2845.4	2874.0	2805.8	2771.7	2785.3	2777.1	2777.1
32.5°	2987.3	2983.2	2968.2	2977.7	3032.3	3088.3	3007.8	2987.3	3026.9	3021.4	3026.9
35°	3234.3	3232.9	3204.3	3213.8	3252.1	3302.5	3241.1	3231.6	3291.6	3305.3	3313.5
37.5°	3515.4	3516.8	3477.2	3471.8	3503.2	3540.0	3516.8	3541.4	3630.1	3676.5	3664.2
40°	3879.8	3874.3	3821.1	3777.5	3810.2	3858.0	3882.5	3950.8	4087.2	4156.8	4163.7
42.5°	4372.5	4358.8	4297.4	4212.8	4229.2	4260.6	4334.2	4453.0	4616.7	4682.2	4663.1
45°	4956.5	4932.0	4841.9	4745.0	4693.2	4704.1	4773.7	4921.1	5117.6	5204.9	5219.9
47.5°	5617.1	5588.4	5453.3	5270.4	5144.9	5131.2	5200.8	5398.7	5637.5	5744.0	5738.5
50°	6360.8	6325.3	6182.0	5900.9	5667.6	5628.0	5675.7	5921.4	6201.1	6344.4	6336.2
52.5°	7172.8	7122.3	6965.4	6602.4	6292.6	6138.4	6208.0	6502.7	6788.0	6972.2	6979.0
55°	7999.8	7988.9	7786.9	7421.2	6998.1	6770.2	6818.0	7134.6	7486.7	7673.6	7665.5
57.5°	8833.6	8805.0	8645.3	8261.8	7838.8	7458.0	7509.9	7856.5	8216.8	8413.3	8406.5
60°	9648.3	9608.8	9484.6	9198.0	8841.8	8401.0	8368.3	8699.9	9016.5	9199.4	9183.0
62.5°	10494.5	10493.1	10392.1	10168.3	9978.6	9566.5	9406.8	9637.4	9917.2	10089.1	10079.6
65°	11253.2	11258.7	11272.3	11279.1	11298.3	11079.9	10721.0	10689.6	10897.0	10999.4	10970.7
67.5°	11266.9	11317.4	11556.2	12048.8	12729.8	12817.2	12115.7	11474.3	11236.8	11114.0	11099.0
70°	10519.0	10580.4	11036.2	12039.3	13588.2	14071.3	12900.4	11356.9	10764.7	10452.1	10392.1
71°	10104.2	10149.2	10674.6	11876.9	13681.0	14183.2	13002.7	11150.9	10434.4	10106.9	10038.6
72.5°	9368.6	9409.5	10078.2	11444.3	13551.4	14012.6	12901.8	10755.1	9851.7	9450.5	9372.7
75°	7932.9	8040.7	8693.1	10386.6	12780.3	13247.0	12214.0	9705.7	8577.1	7987.5	7930.2
77.5°	5909.1	6096.1	6887.6	8764.0	11385.6	12005.2	10940.7	8167.7	6858.9	6210.7	6139.7
80°	3336.7	3526.4	4609.9	6644.7	9540.5	10353.9	9086.1	6198.4	4874.7	4051.8	3961.7
82.5°	1235.0	1195.5	2214.9	4184.1	7105.9	8096.7	6650.1	4040.8	2683.0	1860.1	1802.8
85°	272.9	409.4	977.1	2108.4	4484.4	5258.1	3923.5	2037.5	1039.9	536.3	500.8
87.5°	75.1	133.7	335.7	884.3	1806.8	2048.4	1479.3	552.7	166.5	65.5	65.5
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)