

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-AP-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-AP-7050  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42190.4 lumens  
Efficiency: N/A  
Efficacy: 159.8 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

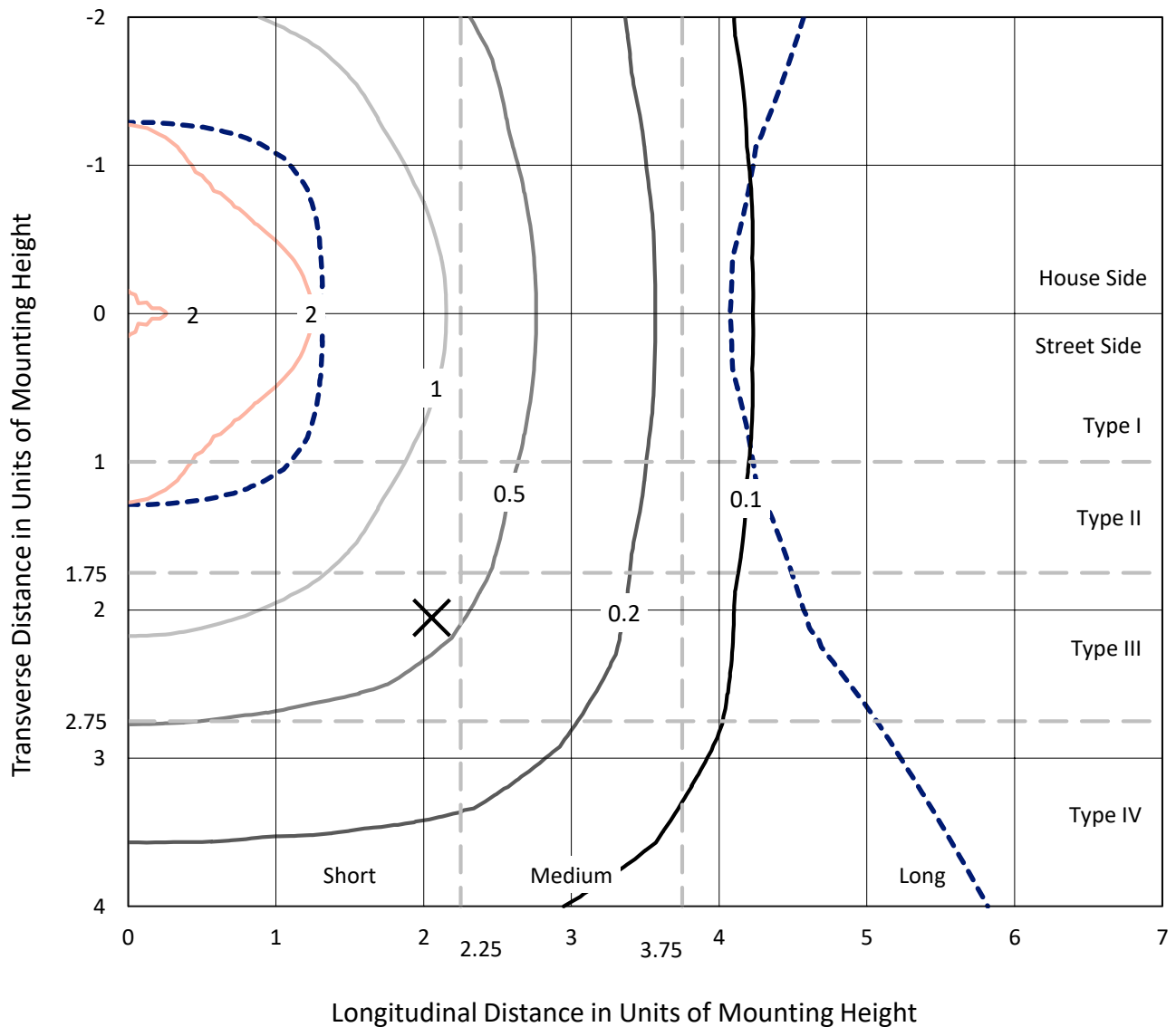
Input Watts (W): 264  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

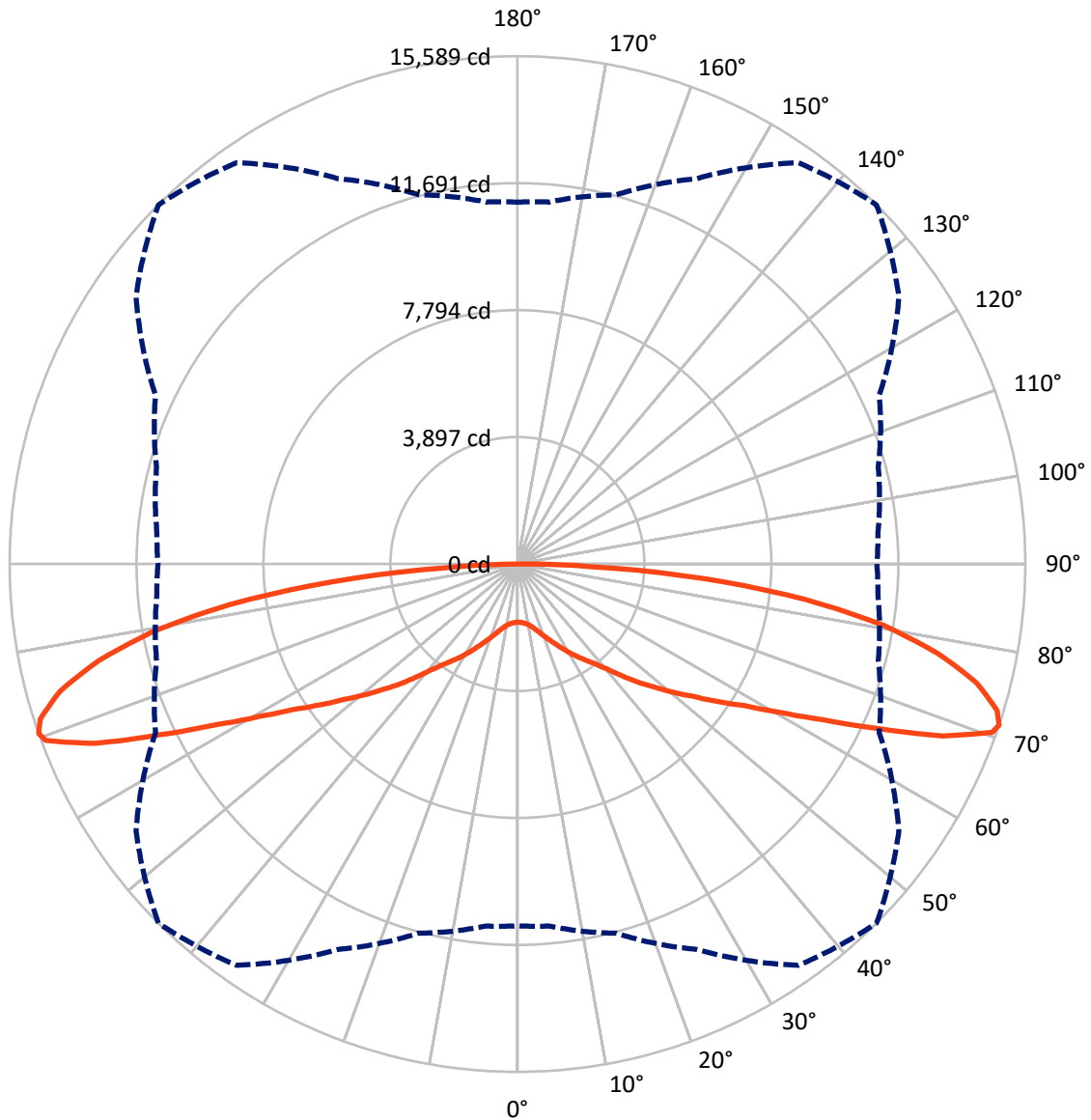


Based on 30 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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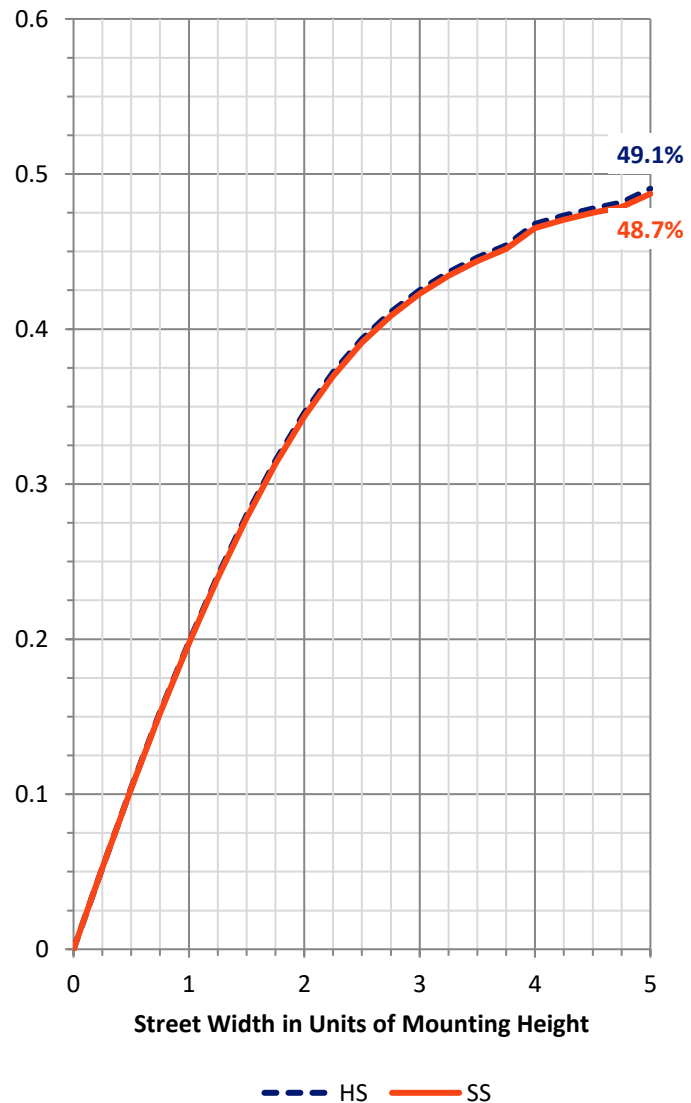
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21095.2	0.0	21095.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21095.2	0.0	21095.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42190.4	0.0	42190.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.1	0.4
10°-20°	590.2	1.4
20°-30°	1241.2	2.9
30°-40°	2285.9	5.4
40°-50°	4197.0	9.9
50°-60°	7314.9	17.3
60°-70°	11820.7	28.0
70°-80°	11390.0	27.0
80°-90°	3175.5	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°	42190.4	100.0
0°-180°	42190.4	100.0



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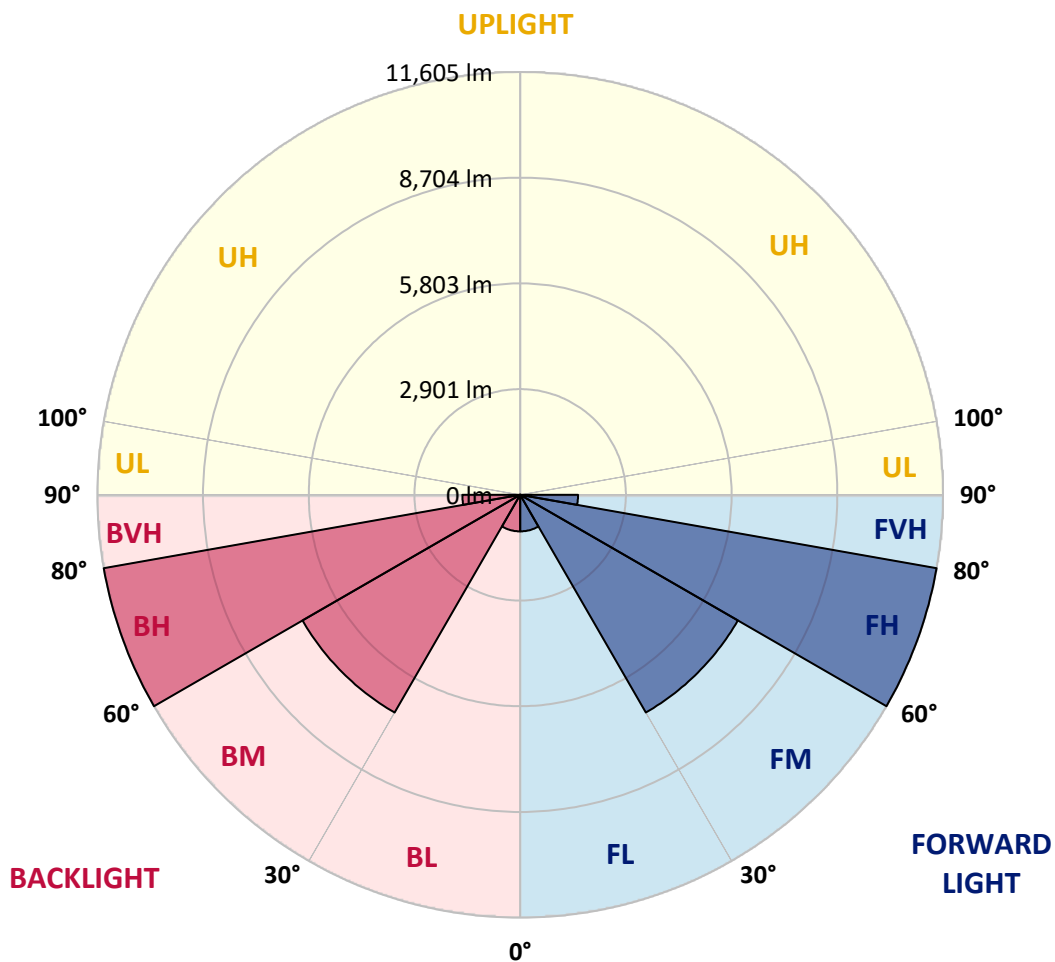
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1003.2	2.4			
FM	(30°-60°)	6898.9	16.4			
FH	(60°-80°)	11605.3	27.5			G4/12000
FVH	(80°-90°)	1587.7	3.8			G5
BL	(0°-30°)	1003.2	2.4	B3/2500		
BM	(30°-60°)	6898.9	16.4	B4/8500		
BH	(60°-80°)	11605.3	27.5	B5		G4/12000
BVH	(80°-90°)	1587.7	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°	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9	1784.9
2.5°	1792.4	1801.4	1796.8	1793.9	1795.4	1793.9	1790.9	1787.8	1784.9	1783.4	1783.4
5°	1805.9	1811.9	1810.4	1808.9	1810.4	1813.4	1811.9	1810.4	1805.9	1802.9	1802.9
7.5°	1838.9	1840.4	1841.9	1840.4	1840.4	1844.9	1841.9	1840.4	1831.4	1829.9	1826.8
10°	1889.9	1888.4	1892.9	1894.4	1894.4	1897.3	1888.4	1882.4	1865.8	1864.4	1861.4
12.5°	1949.9	1949.9	1955.8	1963.4	1969.4	1975.3	1958.9	1945.3	1922.9	1913.9	1915.3
15°	2032.4	2030.9	2038.4	2054.8	2071.4	2083.3	2059.4	2036.9	2006.9	1994.8	1997.9
17.5°	2140.4	2138.9	2150.9	2170.4	2197.4	2215.4	2182.3	2149.4	2122.3	2107.4	2107.4
20°	2272.3	2273.8	2282.8	2308.4	2342.8	2365.4	2323.3	2279.8	2260.3	2246.9	2243.8
22.5°	2426.9	2438.8	2434.4	2464.4	2510.8	2536.3	2486.8	2438.8	2420.8	2411.8	2408.8
25°	2609.8	2621.9	2609.8	2639.8	2698.3	2723.8	2672.9	2620.3	2611.3	2605.3	2602.4
27.5°	2813.8	2815.3	2812.3	2828.8	2908.3	2933.8	2866.3	2819.9	2824.3	2821.3	2816.8
30°	3035.8	3034.3	3031.3	3026.8	3127.3	3158.8	3083.8	3046.3	3061.3	3052.3	3052.3
32.5°	3283.3	3278.8	3262.3	3272.8	3332.7	3394.3	3305.8	3283.3	3326.8	3320.8	3326.8
35°	3554.8	3553.3	3521.7	3532.2	3574.3	3629.7	3562.2	3551.7	3617.8	3632.8	3641.7
37.5°	3863.8	3865.2	3821.8	3815.7	3850.3	3890.8	3865.2	3892.3	3989.8	4040.8	4027.2
40°	4264.2	4258.3	4199.7	4151.7	4187.8	4240.2	4267.3	4342.2	4492.2	4568.7	4576.2
42.5°	4805.7	4790.6	4723.2	4630.2	4648.2	4682.7	4763.7	4894.2	5074.2	5146.1	5125.1
45°	5447.7	5420.6	5321.7	5215.1	5158.1	5170.2	5246.6	5408.7	5624.7	5720.6	5737.1
47.5°	6173.6	6142.1	5993.6	5792.7	5654.7	5639.6	5716.1	5933.6	6196.1	6313.1	6307.0
50°	6991.0	6952.0	6794.6	6485.5	6229.1	6185.6	6238.0	6508.1	6815.6	6973.1	6964.1
52.5°	7883.4	7828.0	7655.4	7256.5	6916.1	6746.6	6823.0	7147.0	7460.5	7663.0	7670.5
55°	8792.4	8780.4	8558.5	8156.5	7691.5	7441.0	7493.5	7841.5	8228.4	8433.9	8424.9
57.5°	9708.9	9677.3	9501.9	9080.4	8615.4	8196.9	8254.0	8634.9	9030.9	9246.9	9239.4
60°	10604.3	10560.8	10424.3	10109.3	9717.9	9233.4	9197.4	9561.9	9909.9	10110.8	10092.8
62.5°	11534.3	11532.8	11421.8	11175.8	10967.3	10514.3	10338.8	10592.3	10899.8	11088.8	11078.3
65°	12368.2	12374.2	12389.2	12396.7	12417.7	12177.7	11783.2	11748.8	11976.8	12089.2	12057.7
67.5°	12383.2	12438.7	12701.2	13242.6	13991.1	14087.0	13316.2	12611.2	12350.2	12215.2	12198.7
70°	11561.3	11628.7	12129.7	13232.1	14934.5	15465.5	14178.6	12482.2	11831.2	11487.7	11421.8
71°	11105.3	11154.8	11732.2	13053.6	15036.5	15588.5	14291.1	12255.7	11468.2	11108.3	11033.2
72.5°	10296.8	10341.9	11076.8	12578.2	14894.0	15401.0	14180.1	11820.7	10827.8	10386.8	10301.3
75°	8718.9	8837.4	9554.4	11415.8	14046.5	14559.5	13424.2	10667.3	9426.9	8778.9	8715.9
77.5°	6494.5	6700.1	7570.0	9632.4	12513.7	13194.6	12024.7	8976.9	7538.5	6826.1	6748.1
80°	3667.3	3875.7	5066.6	7303.0	10485.8	11379.7	9986.4	6812.5	5357.7	4453.2	4354.2
82.5°	1357.4	1314.0	2434.4	4598.7	7810.0	8898.9	7309.1	4441.2	2948.9	2044.3	1981.4
85°	300.0	449.9	1073.9	2317.4	4928.6	5779.1	4312.2	2239.4	1142.9	589.4	550.5
87.5°	82.5	147.0	369.0	971.9	1985.8	2251.3	1625.9	607.4	182.9	72.0	72.0
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)