

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: P286991

Luminaire Tested: **USSL-C027-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C027-D-U-T5-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14045 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 96
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



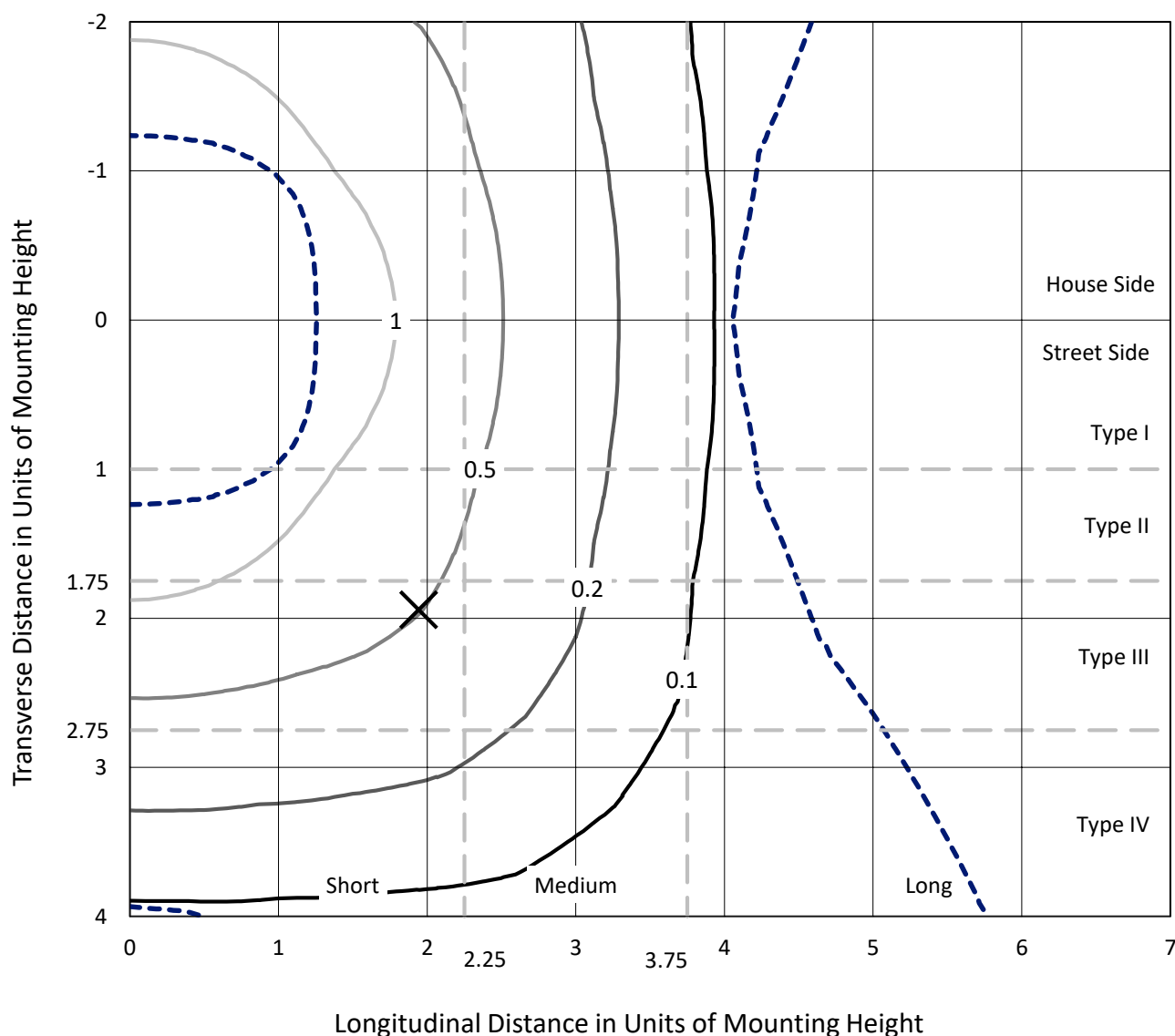
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

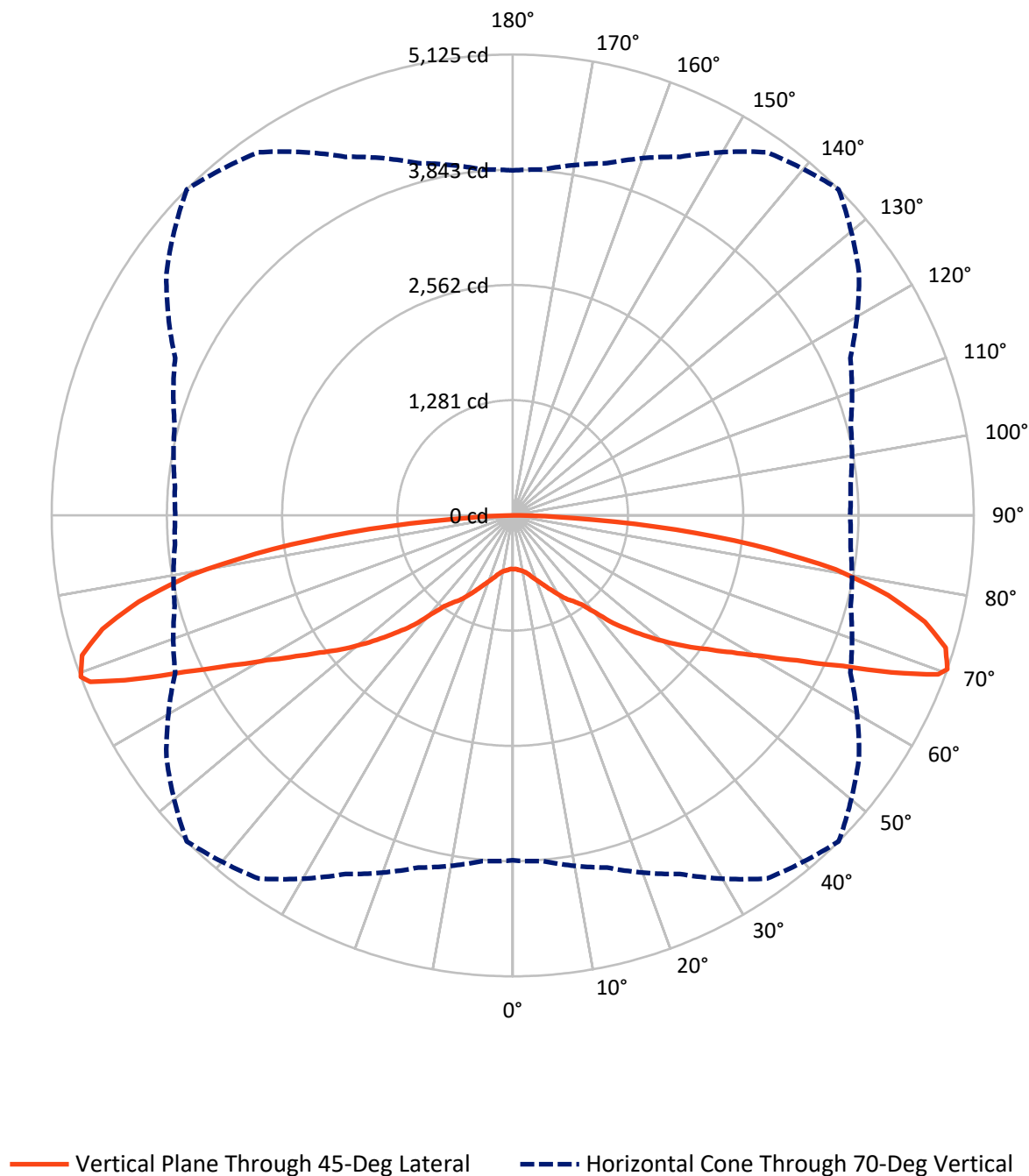


Based on 20 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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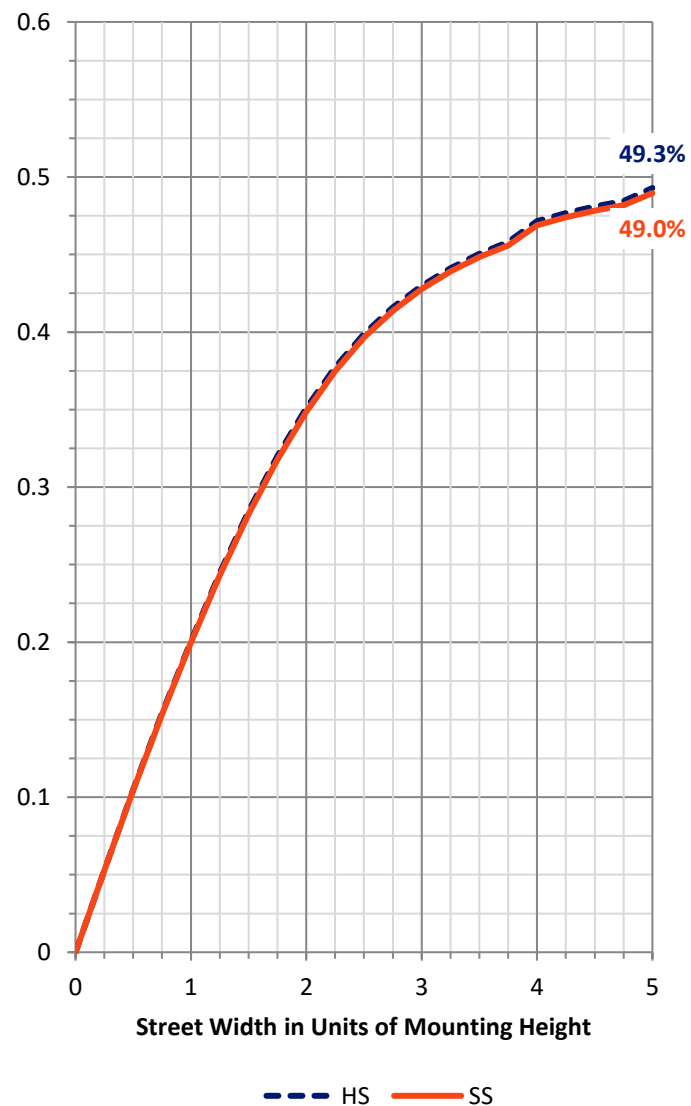
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7022.5	0.0	7022.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7022.5	0.0	7022.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14045.0	0.0	14045.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	0.4
10°-20°	195.9	1.4
20°-30°	405.2	2.9
30°-40°	742.4	5.3
40°-50°	1470.3	10.5
50°-60°	2519.5	17.9
60°-70°	3966.8	28.2
70°-80°	3707.2	26.4
80°-90°	978.9	7.0
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°	14045.0	100.0
0°-180°	14045.0	100.0

Coefficient of Utilization



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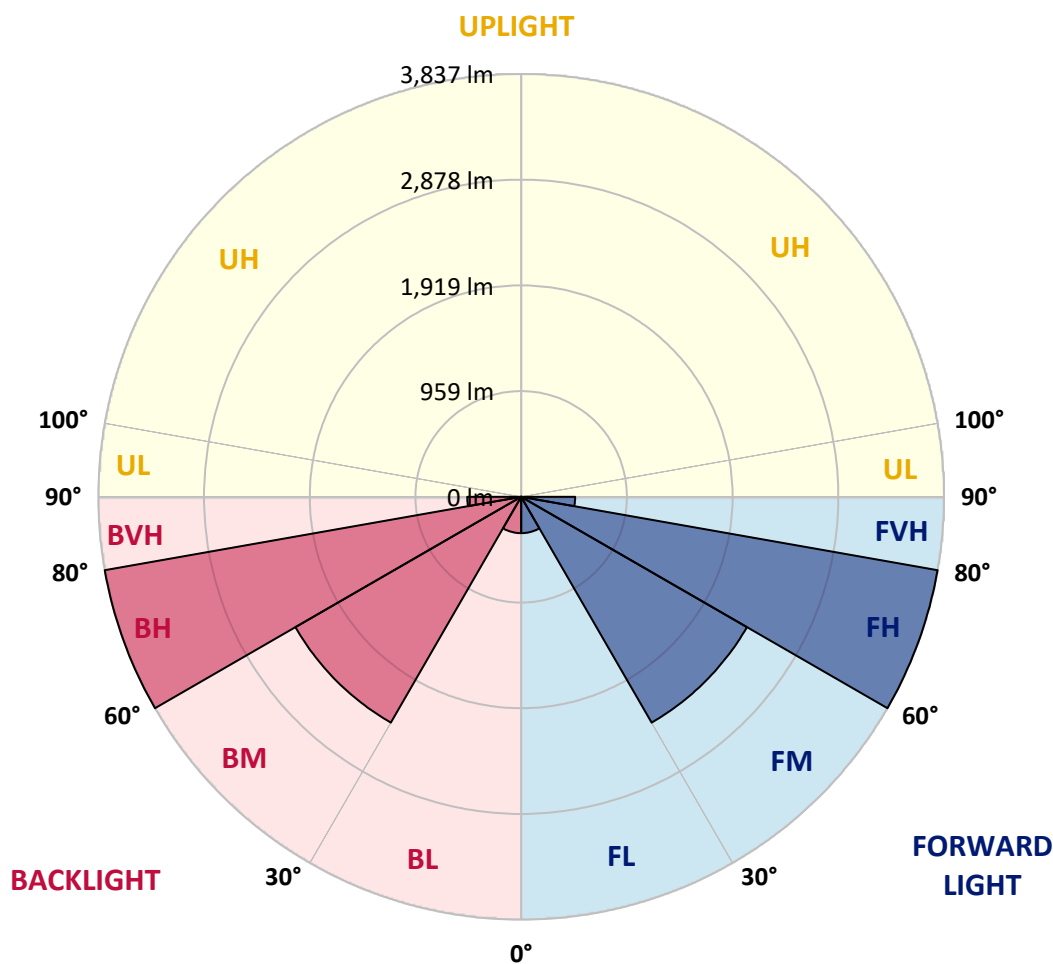
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.0	2.3			
FM	(30°-60°)	2366.1	16.8			
FH	(60°-80°)	3837.0	27.3			G2/5000
FVH	(80°-90°)	489.4	3.5			G3/500
BL	(0°-30°)	330.0	2.3	B1/500		
BM	(30°-60°)	2366.1	16.8	B2/2500		
BH	(60°-80°)	3837.0	27.3	B4/5000		G2/5000
BVH	(80°-90°)	489.4	3.5			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°	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5
2.5°	605.8	606.5	605.2	598.7	598.1	596.2	595.5	598.1	598.1	598.1	596.8
5°	616.8	614.9	611.0	608.4	607.1	605.8	603.9	607.8	609.1	611.0	605.8
7.5°	623.9	623.9	623.2	618.7	620.7	616.8	613.6	616.8	619.4	618.1	617.4
10°	638.1	639.4	636.8	632.3	636.1	629.0	624.5	627.1	626.5	625.8	627.1
12.5°	657.4	658.7	655.5	651.6	656.8	650.3	645.8	645.2	643.9	643.2	641.3
15°	683.8	684.5	681.9	678.7	686.4	682.5	680.0	671.6	671.6	669.6	670.3
17.5°	715.4	718.6	716.7	716.7	728.9	726.4	715.4	705.7	709.0	704.4	704.4
20°	756.7	755.4	757.3	760.5	774.7	770.8	759.2	745.7	749.6	745.1	744.4
22.5°	804.3	805.0	806.3	808.9	829.5	822.4	810.1	799.2	798.5	796.0	796.6
25°	860.4	859.8	855.9	865.6	888.8	881.7	866.9	859.1	860.4	860.4	861.1
27.5°	917.1	912.6	911.3	912.0	957.1	953.2	930.0	915.8	918.4	923.6	925.5
30°	973.9	972.6	969.3	965.5	1017.0	1030.6	989.3	980.9	984.2	992.5	994.5
32.5°	1050.5	1047.3	1044.1	1034.4	1067.3	1109.8	1057.0	1058.9	1067.9	1080.8	1082.8
35°	1135.6	1136.3	1127.2	1118.9	1137.6	1174.3	1148.5	1151.1	1171.1	1188.5	1193.0
37.5°	1239.4	1241.3	1226.5	1209.1	1225.9	1264.5	1247.1	1274.2	1324.5	1352.8	1364.4
40°	1414.0	1409.5	1387.6	1354.8	1370.2	1422.4	1441.1	1475.9	1545.5	1584.8	1599.7
42.5°	1657.7	1649.3	1620.3	1585.5	1590.0	1635.1	1662.2	1729.9	1804.6	1845.2	1853.0
45°	1890.3	1886.5	1854.2	1791.7	1773.0	1813.0	1847.2	1931.6	2012.8	2055.3	2072.7
47.5°	2152.0	2148.8	2103.7	2023.1	1989.6	2007.6	2030.8	2128.2	2199.1	2245.5	2255.8
50°	2432.4	2424.6	2376.3	2277.7	2215.2	2208.7	2235.2	2318.3	2400.1	2440.7	2437.5
52.5°	2717.2	2714.0	2663.7	2542.6	2460.7	2418.8	2429.8	2500.7	2580.0	2631.5	2634.7
55°	3011.8	3014.4	2957.6	2812.0	2700.5	2626.4	2619.9	2701.8	2781.0	2824.9	2837.1
57.5°	3316.6	3317.3	3245.7	3111.7	2969.2	2871.9	2837.8	2928.6	3003.4	3042.7	3065.3
60°	3600.9	3607.3	3548.0	3437.8	3301.8	3171.0	3115.5	3195.5	3272.8	3328.9	3329.5
62.5°	3925.0	3920.5	3865.8	3776.2	3690.4	3548.7	3445.5	3530.0	3609.2	3659.5	3683.4
65°	4235.7	4243.4	4230.5	4194.5	4144.8	4036.5	3903.1	4018.5	4071.4	4068.8	4092.0
67.5°	4150.0	4185.4	4270.5	4452.9	4641.1	4686.2	4474.8	4223.5	4110.7	4039.8	4016.6
69°	3983.1	4022.4	4173.2	4444.5	4846.7	5047.8	4646.9	4173.8	3999.8	3901.2	3880.6
70°	3834.8	3858.7	4053.3	4398.8	4927.9	5124.5	4699.1	4139.7	3889.0	3769.1	3750.4
72.5°	3379.8	3427.5	3643.4	4155.8	4872.5	5031.7	4679.8	3914.1	3573.8	3380.4	3359.8
75°	2786.8	2835.2	3131.7	3710.4	4561.8	4732.6	4384.6	3509.3	3070.4	2883.5	2844.9
77.5°	1985.7	2021.2	2366.0	3060.1	4034.6	4266.6	3890.9	2939.0	2466.5	2259.0	2209.4
80°	1162.7	1176.9	1517.8	2179.7	3217.4	3639.5	3211.6	2280.3	1762.7	1534.6	1502.3
82.5°	437.6	547.2	806.9	1347.7	2195.8	2699.8	2367.9	1556.5	1052.5	816.6	786.9
85°	133.4	182.4	344.8	667.7	1207.8	1601.6	1490.1	863.6	437.0	249.4	217.8
87.5°	23.2	29.6	79.3	214.6	446.0	450.5	349.3	158.5	31.6	11.6	11.0
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)