

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: P147439

Luminaire Tested: **TMU-E01-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P147439  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: TMU-E01-LED-E-U-5MQ-7030  
Description: TALON MEDIUM LED AREA LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2944.4 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

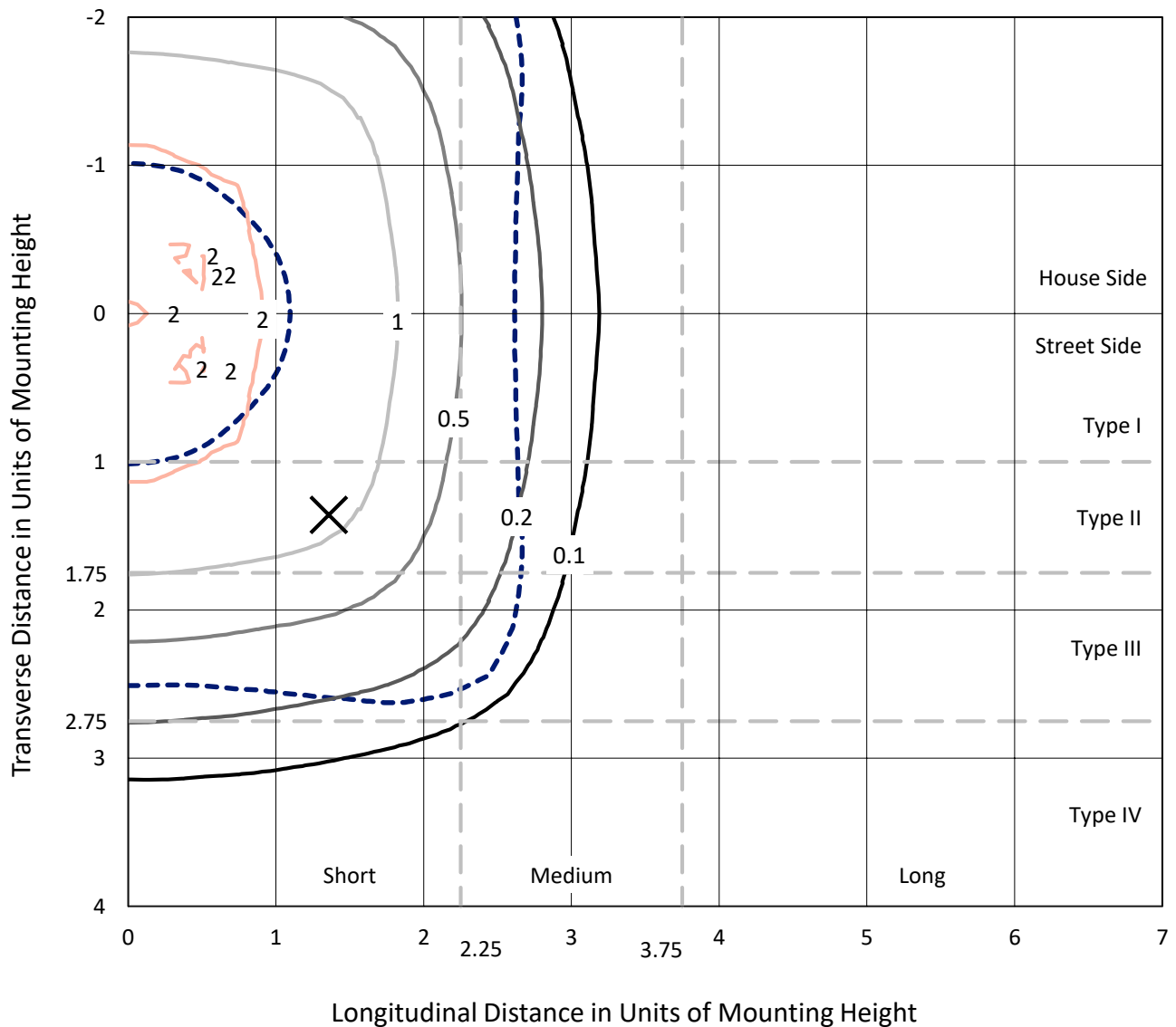
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

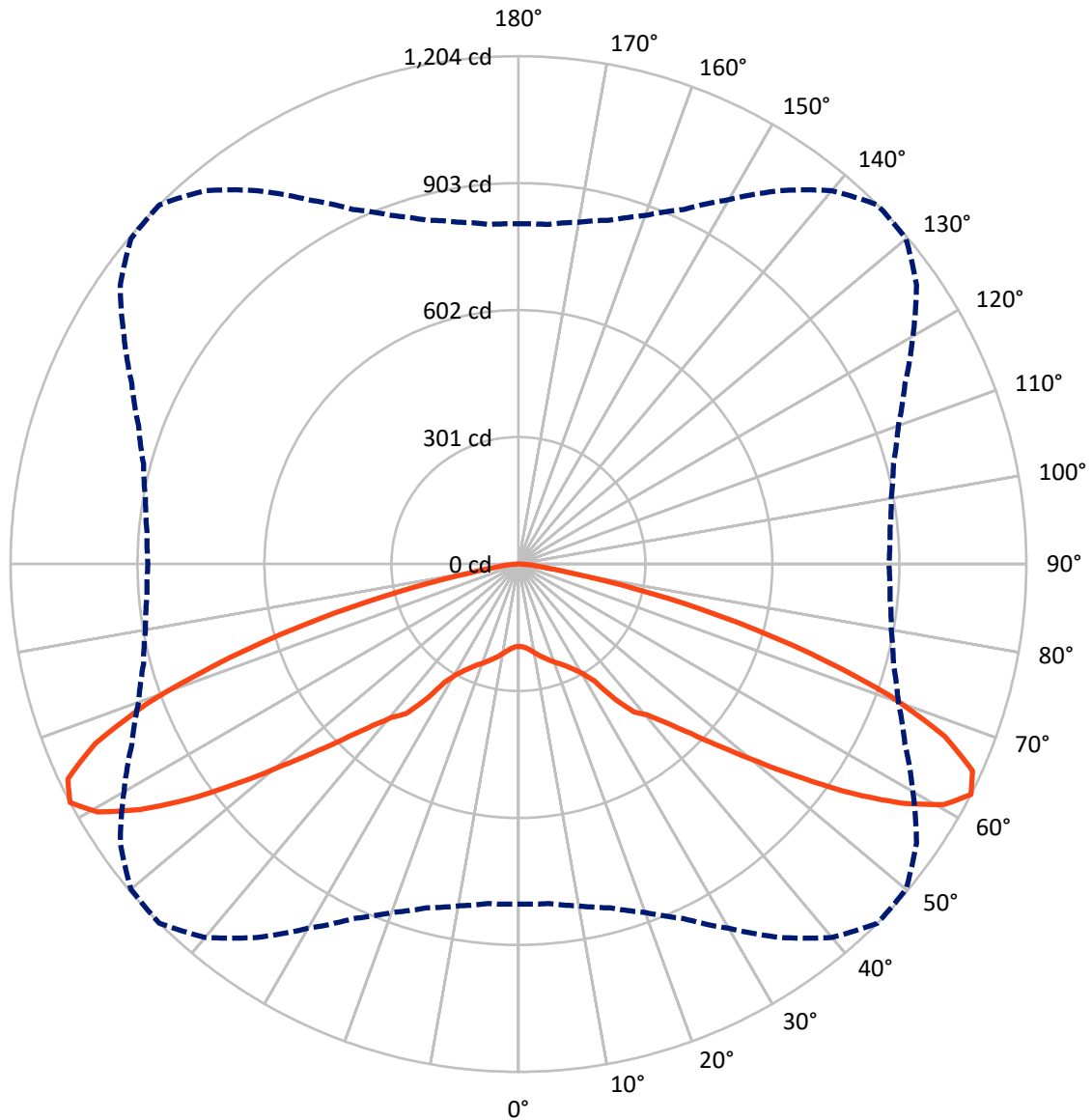
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1472.2	0.0	1472.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1472.2	0.0	1472.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2944.4	0.0	2944.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.6	0.7
10°-20°	66.2	2.2
20°-30°	128.0	4.3
30°-40°	247.9	8.4
40°-50°	447.6	15.2
50°-60°	778.2	26.4
60°-70°	883.5	30.0
70°-80°	342.5	11.6
80°-90°	30.9	1.0
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°	2944.4	100.0
0°-180°	2944.4	100.0

**Coefficient of Utilization**



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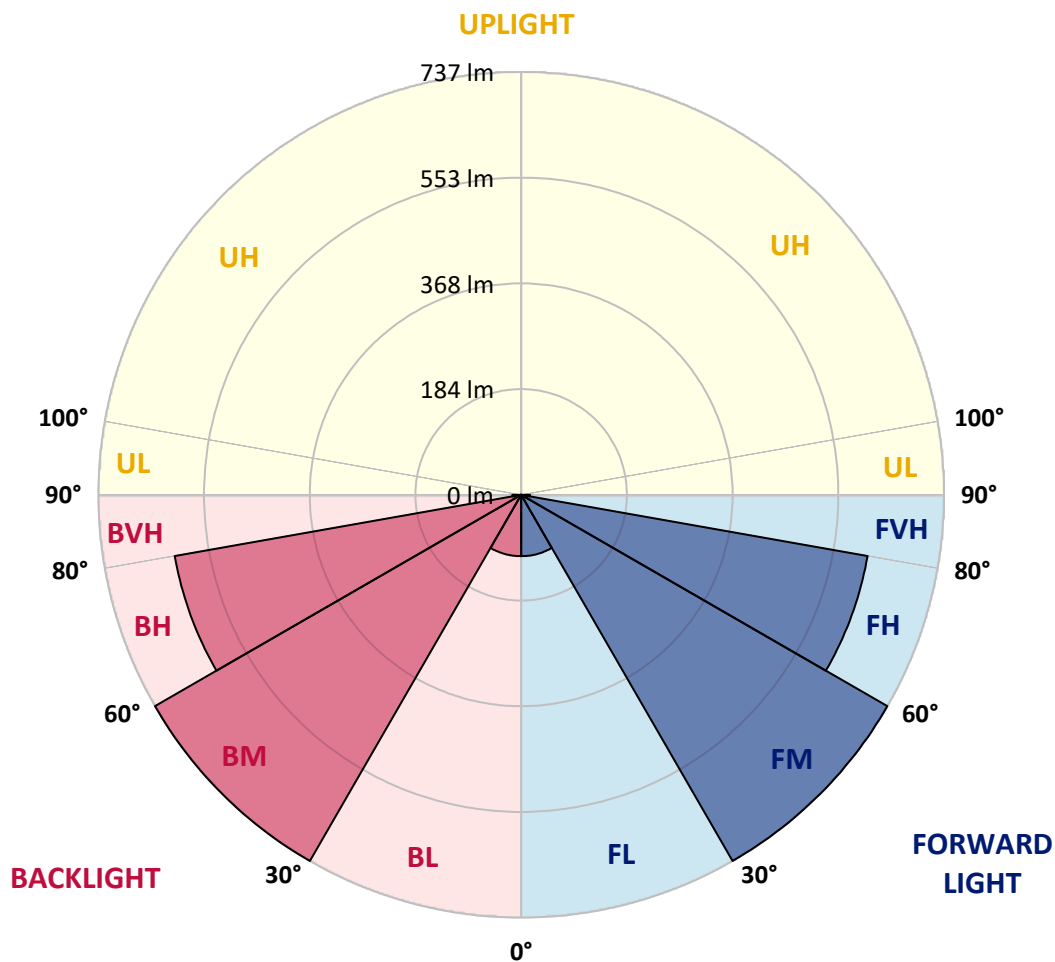
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.9	3.6			
FM	(30°-60°)	736.8	25.0			
FH	(60°-80°)	613.0	20.8			G0/660
FVH	(80°-90°)	15.5	0.5			G1/100
BL	(0°-30°)	106.9	3.6	B0/110		
BM	(30°-60°)	736.8	25.0	B1/1000		
BH	(60°-80°)	613.0	20.8	B2/1000		G0/660
BVH	(80°-90°)	15.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	196.7	197.3	197.2	196.8	196.8	196.9	196.7	196.2	196.0	196.4	196.6
5°	201.2	201.2	201.2	201.2	201.0	201.0	200.6	200.4	200.5	200.1	200.0
7.5°	208.2	207.8	207.8	207.6	207.6	207.3	206.8	206.2	206.4	206.3	206.2
10°	216.4	216.6	216.2	216.6	215.8	215.7	215.0	214.8	214.6	214.2	214.2
12.5°	226.4	225.9	225.9	225.6	225.3	225.0	224.1	224.0	223.3	223.0	222.6
15°	235.6	235.5	234.9	234.2	234.1	233.8	232.8	232.2	232.0	231.2	230.6
17.5°	245.0	244.6	243.9	243.6	243.0	242.5	241.6	240.7	240.2	239.9	239.2
20°	254.8	254.5	253.8	253.2	252.4	251.8	250.4	249.6	249.2	248.8	248.2
22.5°	267.2	266.5	265.3	264.2	262.6	262.0	260.2	259.1	258.3	257.7	257.4
25°	280.6	280.7	279.0	277.7	275.6	274.0	271.7	270.5	269.7	269.2	269.0
27.5°	297.2	297.4	295.9	294.0	290.9	289.1	286.0	284.6	284.0	283.4	283.3
30°	323.8	322.4	319.8	316.6	313.9	310.0	305.5	304.0	302.5	302.0	302.0
32.5°	372.5	371.7	369.6	361.7	358.0	349.8	342.0	337.6	332.6	330.2	328.6
35°	406.6	406.3	404.6	401.9	399.6	397.9	393.4	392.6	391.6	391.7	392.9
37.5°	431.7	429.9	429.6	430.0	429.4	429.8	433.4	438.4	442.7	444.8	444.5
40°	468.8	466.2	467.8	466.7	465.4	465.0	466.3	468.2	470.2	470.2	469.8
42.5°	517.4	518.6	519.2	514.8	512.0	511.2	514.1	513.4	515.4	514.7	512.7
45°	589.6	588.8	587.8	582.4	577.8	574.2	575.0	573.9	574.0	572.8	571.3
47.5°	662.4	665.0	660.6	658.0	652.8	650.2	652.3	650.4	654.0	647.6	644.5
50°	733.0	734.8	733.3	729.6	729.6	733.2	735.8	739.2	744.0	736.8	725.8
52.5°	790.8	792.3	794.6	797.7	805.1	812.9	823.8	835.6	844.8	843.4	831.0
55°	826.2	828.0	831.8	842.2	855.6	876.0	900.9	928.1	949.4	959.8	950.6
57.5°	838.0	839.4	849.7	862.4	883.2	913.5	955.0	1002.1	1043.1	1069.1	1065.0
60°	835.3	835.2	845.8	863.2	892.3	932.6	991.3	1056.4	1119.2	1158.2	1152.4
62.5°	806.5	808.0	823.1	844.0	879.2	927.4	997.4	1080.6	1155.7	1204.1	1199.4
65°	743.5	744.6	760.8	785.6	825.0	882.0	958.6	1050.8	1136.8	1183.4	1174.6
67.5°	641.7	642.7	656.0	684.0	725.6	785.2	867.8	969.4	1053.6	1090.4	1063.9
70°	510.4	513.5	522.0	551.6	583.4	641.6	717.8	819.2	898.8	933.6	904.4
72.5°	347.8	355.6	366.0	392.2	422.6	471.0	531.6	617.1	681.0	721.2	695.2
75°	195.9	206.8	210.0	230.0	255.0	293.2	337.5	398.8	463.2	496.0	464.6
77.5°	84.6	93.6	97.6	106.9	126.4	142.4	169.2	210.7	260.4	283.4	245.8
80°	41.7	43.8	45.5	48.4	53.9	59.0	71.8	90.0	110.4	115.5	92.0
82.5°	32.2	33.8	36.7	39.0	40.3	41.7	42.9	45.3	47.4	48.4	45.6
85°	22.6	24.7	27.8	30.4	32.0	33.0	34.1	34.8	33.0	30.2	31.7
87.5°	5.9	7.8	10.8	11.8	13.2	14.0	13.7	14.2	12.8	9.3	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	196.5	196.4	196.5	196.5	196.5	196.4	196.4	196.4
5°	200.0	200.0	200.2	199.9	199.9	200.0	199.8	199.7
7.5°	206.0	205.8	205.8	205.6	205.8	205.6	205.6	205.5
10°	213.9	213.6	213.7	213.2	213.2	213.2	213.1	213.1
12.5°	222.4	222.0	222.1	221.6	220.9	221.0	221.2	221.0
15°	230.6	230.2	229.8	229.4	229.0	229.1	229.1	228.9
17.5°	239.0	238.1	238.0	237.5	237.3	237.3	237.4	237.5
20°	247.6	247.0	246.9	246.4	246.3	246.8	246.9	246.6
22.5°	257.0	256.6	257.0	256.6	257.1	257.4	257.6	257.3
25°	268.7	268.4	268.8	269.9	270.5	270.8	271.6	271.3
27.5°	283.8	283.4	284.5	286.0	287.0	288.5	289.2	289.5
30°	303.2	304.6	305.2	308.2	308.8	311.3	311.3	312.4
32.5°	331.6	334.2	338.7	343.4	350.0	354.7	354.7	357.1
35°	393.6	394.7	398.2	399.0	400.3	401.8	400.4	401.6
37.5°	441.3	436.6	433.2	428.6	425.6	425.6	426.0	425.6
40°	465.6	463.8	462.3	458.4	457.8	457.6	457.6	458.2
42.5°	509.2	504.8	502.4	499.0	497.9	497.6	497.5	497.8
45°	565.8	558.6	552.1	548.8	545.9	543.1	544.0	544.1
47.5°	631.8	620.6	610.0	604.2	599.2	596.8	595.4	594.9
50°	712.0	696.4	682.8	671.9	664.6	664.4	665.2	660.4
52.5°	810.3	785.8	768.7	754.1	747.3	746.5	744.0	741.3
55°	919.2	890.2	862.0	846.4	837.4	832.6	829.6	825.1
57.5°	1031.6	992.5	952.0	926.9	911.1	900.1	894.3	891.7
60°	1118.2	1064.8	1011.4	971.0	944.8	928.4	918.4	914.3
62.5°	1152.4	1079.9	1011.4	958.4	920.4	897.8	884.2	878.3
65°	1111.7	1025.8	947.9	889.4	847.0	821.9	807.1	800.7
67.5°	998.2	922.4	837.6	779.4	735.8	710.9	694.9	690.2
70°	836.8	759.3	678.3	626.4	587.4	567.2	550.6	548.6
72.5°	628.8	562.0	492.6	449.6	418.4	384.8	376.3	380.6
75°	403.1	340.6	278.7	240.0	211.4	179.4	167.1	170.2
77.5°	190.9	147.9	106.7	82.5	69.2	59.2	56.6	55.1
80°	70.8	57.4	50.7	48.1	46.2	44.6	43.3	42.0
82.5°	45.8	44.8	43.4	43.0	41.6	39.4	35.4	33.8
85°	34.2	34.2	32.4	32.6	31.5	28.8	25.2	23.1
87.5°	10.0	9.0	8.2	7.6	7.5	6.7	4.9	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)