

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: P318740

Luminaire Tested: **GAN-SA6D-740-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-740-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

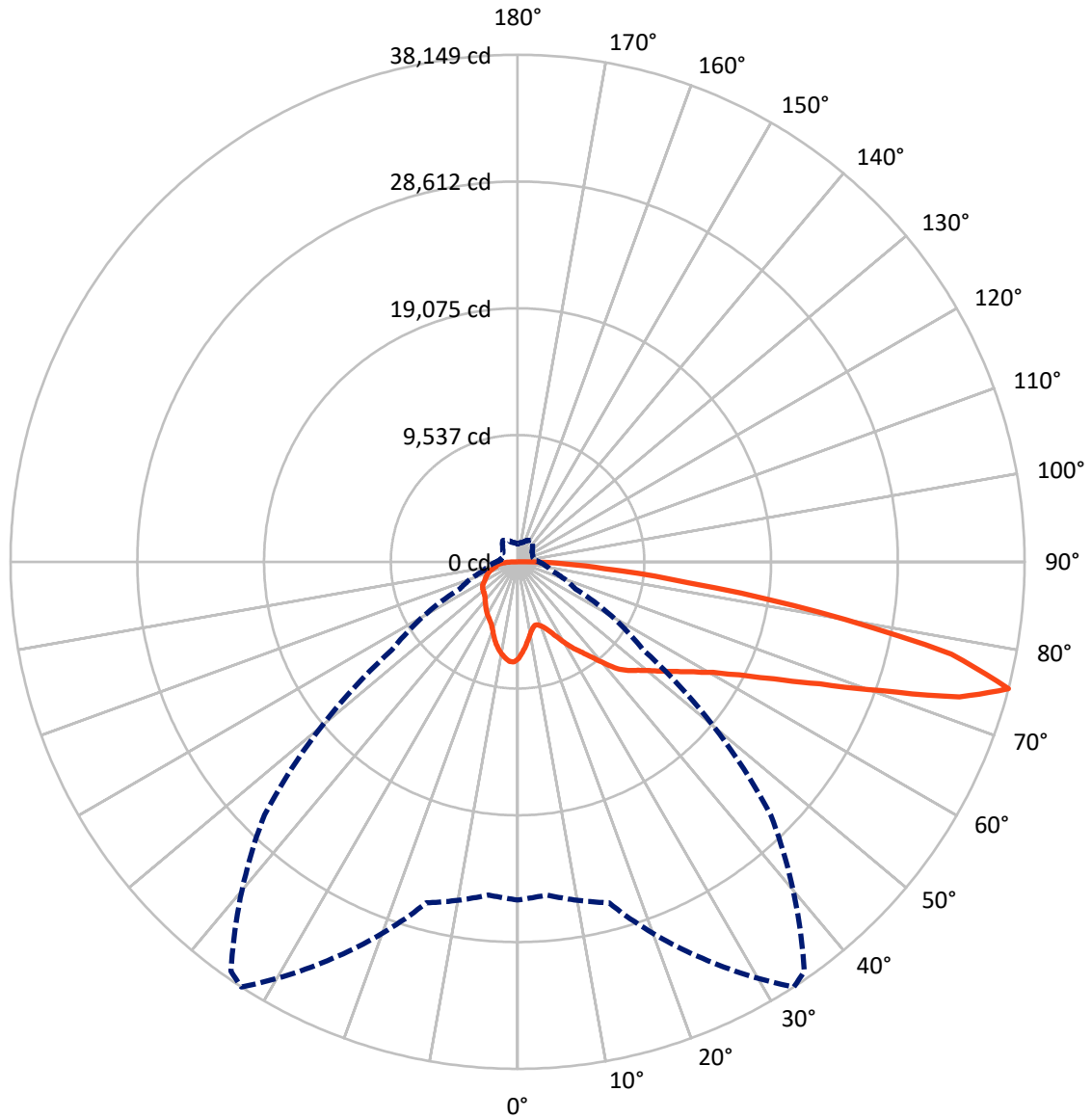
Lumens per Lamp: N/A
Luminaire Lumens: 46686 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 382
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: 24 FT



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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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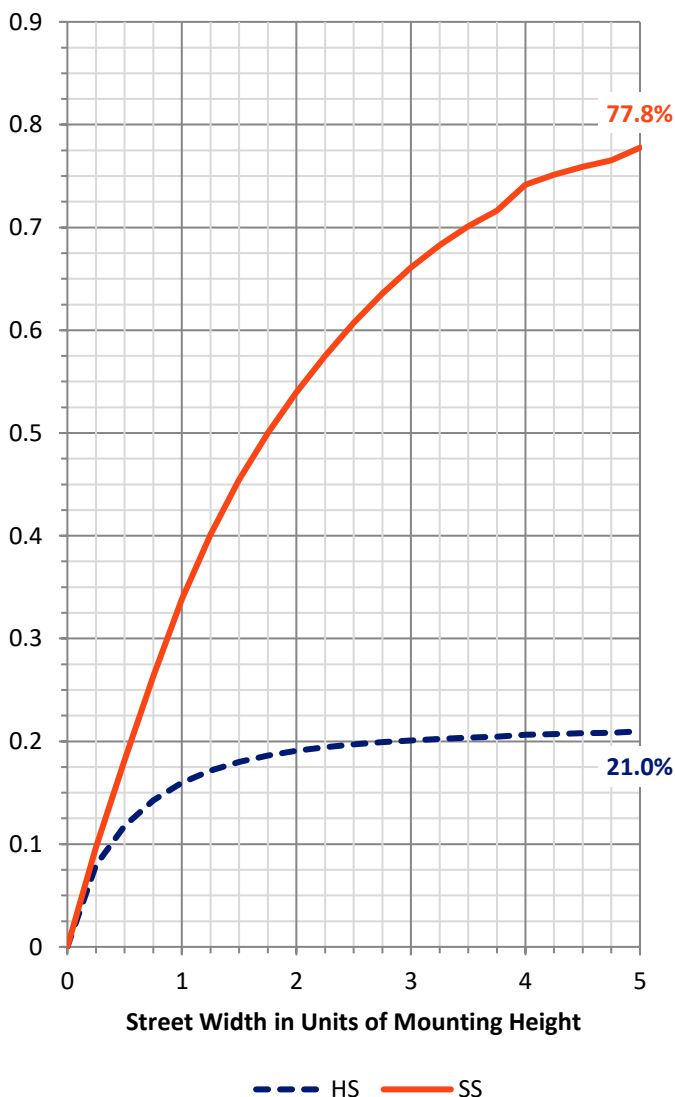
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10024.7	0.0	10024.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	36661.3	0.0	36661.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	46686.0	0.0	46686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.9	1.4
10°-20°	1787.4	3.8
20°-30°	2919.1	6.3
30°-40°	4347.2	9.3
40°-50°	6235.1	13.4
50°-60°	8559.9	18.3
60°-70°	10716.6	23.0
70°-80°	9694.8	20.8
80°-90°	1766.0	3.8
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°	46686.0	100.0
0°-180°	46686.0	100.0

Coefficient of Utilization

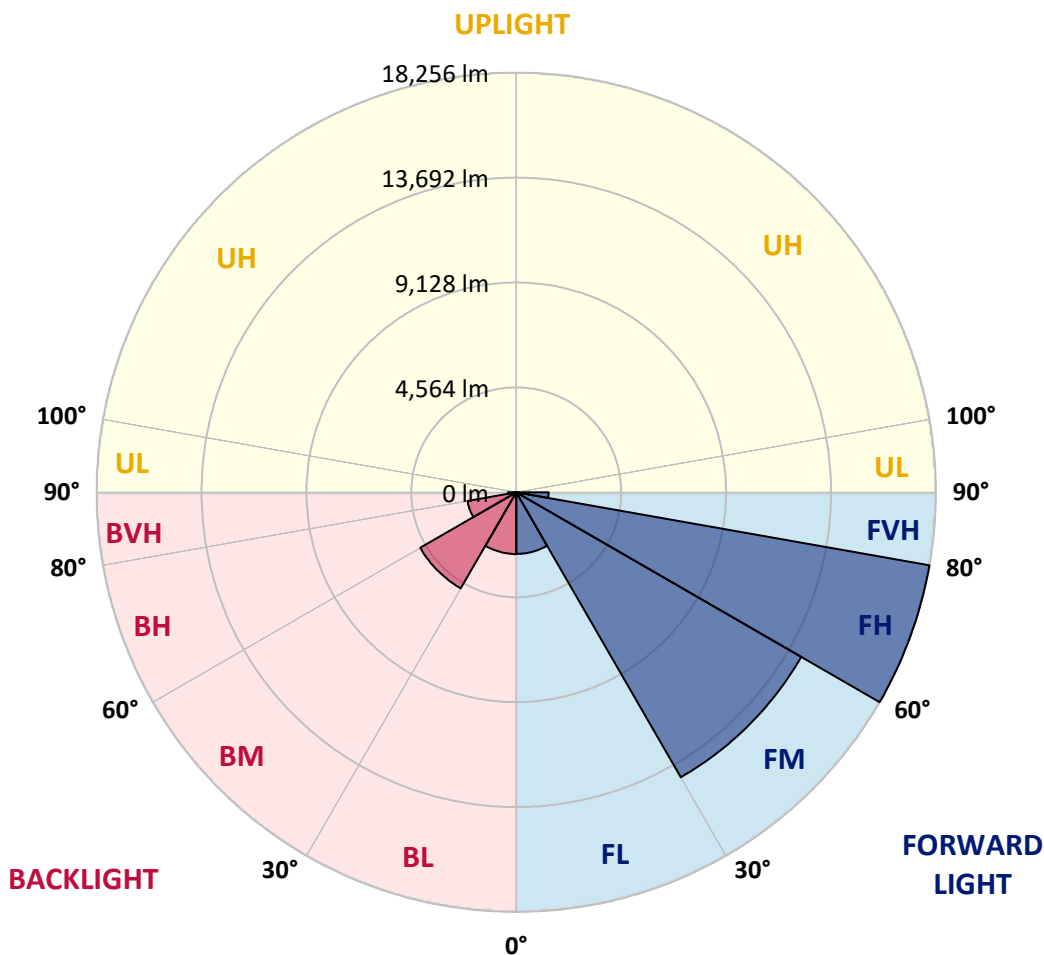


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2681.4	5.7			
FM (30°-60°)	14317.6	30.7			
FH (60°-80°)	18255.8	39.1			G5
FVH (80°-90°)	1406.4	3.0			G5
BL (0°-30°)	2685.1	5.8	B4/5000		
BM (30°-60°)	4824.6	10.3	B3/5000		
BH (60°-80°)	2155.5	4.6	B3/2500		G3/2500
BVH (80°-90°)	359.5	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3
2.5°	6776.4	6750.6	6799.0	6805.4	6847.4	6863.5	6921.5	7011.8	7086.0	7171.5	7248.9
5°	6162.0	6144.2	6212.0	6260.3	6352.3	6391.0	6528.0	6720.0	6890.9	7084.4	7260.2
7.5°	5578.2	5568.5	5644.3	5754.0	5860.4	5913.6	6150.7	6429.7	6715.1	7028.0	7297.3
10°	5086.3	5083.1	5155.7	5263.7	5420.1	5479.8	5786.2	6153.9	6553.8	6984.4	7360.2
12.5°	4810.6	4821.9	4855.7	4946.0	5091.2	5150.8	5491.1	5923.3	6418.4	6969.9	7452.1
15°	4878.3	4896.0	4838.0	4834.8	4938.0	4984.7	5304.0	5758.8	6321.6	6994.1	7585.9
17.5°	5167.0	5170.2	5017.0	4920.2	4983.1	5007.3	5246.0	5665.3	6265.2	7048.9	7753.7
20°	5573.4	5565.3	5294.4	5133.1	5167.0	5173.4	5328.2	5666.9	6260.3	7144.1	7971.4
22.5°	6112.0	6052.3	5687.8	5468.5	5460.5	5450.8	5539.5	5786.2	6331.3	7298.9	8231.0
25°	6815.1	6758.7	6257.1	5957.2	5892.7	5868.5	5881.4	6041.0	6471.6	7465.0	8521.3
27.5°	7597.2	7498.9	7015.1	6590.9	6457.1	6423.2	6345.8	6400.6	6624.8	7624.7	8866.4
30°	8252.0	8198.8	7776.2	7273.1	7115.1	7066.7	6863.5	6803.8	6845.7	7842.4	9301.8
32.5°	8618.1	8582.6	8326.2	7919.8	7773.0	7705.3	7418.2	7298.9	7200.5	8185.9	9892.1
35°	9061.5	9039.0	8884.1	8589.0	8371.3	8300.4	8077.8	7953.6	7700.4	8658.4	10654.8
37.5°	9626.0	9601.8	9605.0	9366.3	9106.7	9040.6	8893.8	8763.2	8348.7	9279.2	11483.7
40°	10264.6	10217.8	10200.1	10188.8	10024.3	9987.2	9909.8	9732.4	9161.5	10021.1	12301.4
42.5°	11225.7	11059.6	10704.8	10838.7	11001.6	10982.2	11045.1	10790.3	10064.6	10898.4	13099.6
45°	12153.0	11880.5	11267.7	11296.7	11653.1	11761.1	12232.0	12051.4	11043.5	11859.5	13925.3
47.5°	12575.5	12369.1	11848.2	11849.8	12203.0	12427.2	13459.3	13330.2	12072.4	12951.3	14933.2
50°	13048.0	12841.6	12373.9	12549.7	12857.7	13096.4	14644.6	14578.4	13051.3	14146.2	16141.1
52.5°	13564.1	13214.1	12917.4	13231.9	13664.1	13941.4	15831.5	15650.9	13949.5	15349.3	17529.6
55°	13570.5	13475.4	13701.2	13931.8	14578.4	14918.7	17074.8	16597.5	14681.7	16531.4	18660.1
57.5°	14343.0	14188.2	14667.1	14773.6	15618.6	16002.4	18311.7	17421.6	15426.7	17437.7	19269.7
60°	15365.4	15233.2	15625.1	15905.7	16905.5	17418.3	19632.5	18268.2	16012.1	18121.5	19240.6
62.5°	17131.3	16981.3	16976.5	17370.0	18716.5	19313.2	21114.5	19098.7	16244.3	18256.9	18419.8
65°	19716.4	19477.7	19027.8	19214.8	21217.8	21812.8	22770.7	19700.2	15937.9	17531.2	16305.6
67.5°	22232.1	22224.1	21670.9	22054.7	24520.5	24997.8	24657.6	19759.9	14981.6	15004.2	12554.6
70°	24739.8	24772.1	24678.5	26013.8	28982.7	29479.4	26666.9	18958.4	12831.9	10835.5	7521.4
72.5°	26726.6	26718.5	27189.4	30632.5	34773.8	34662.5	28360.2	16529.8	9213.1	5849.1	3594.6
75°	25439.7	25159.1	26562.1	32919.2	38149.1	37605.6	26920.1	11530.5	4781.5	2662.5	1935.2
77.5°	16592.7	16858.7	18918.1	27194.3	33369.1	32708.0	19750.2	5379.8	2252.9	1746.5	1403.0
80°	6008.8	6289.4	8858.3	15404.1	22990.1	22882.0	9725.9	2211.0	1524.0	1319.2	1022.4
82.5°	2067.4	2170.6	3494.6	6840.9	12980.3	13464.1	3659.1	1256.3	1107.9	935.3	699.9
85°	811.2	928.9	1598.1	3291.4	6547.4	6595.8	1482.0	751.5	770.9	612.8	383.8
87.5°	308.0	374.1	764.4	1528.8	2989.9	2746.4	530.6	358.0	438.6	364.5	182.2
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3	7297.3
2.5°	7308.6	7342.4	7413.4	7461.8	7513.4	7527.9	7534.3	7547.2	7560.1	7555.3	7556.9
5°	7353.7	7419.8	7534.3	7582.7	7605.3	7579.5	7529.5	7489.2	7460.2	7444.0	7439.2
7.5°	7427.9	7521.4	7644.0	7635.9	7584.3	7469.8	7340.8	7244.1	7163.4	7134.4	7118.3
10°	7526.3	7635.9	7721.4	7629.5	7479.5	7281.2	7087.6	6937.7	6816.7	6769.9	6761.9
12.5°	7652.1	7763.3	7779.5	7584.3	7336.0	7065.1	6802.2	6603.8	6423.2	6365.2	6352.3
15°	7814.9	7919.8	7819.8	7505.3	7158.6	6794.1	6453.9	6184.5	5994.3	5923.3	5897.5
17.5°	7985.9	8085.9	7827.8	7374.7	6926.4	6473.2	6045.9	5770.1	5552.4	5470.1	5460.5
20°	8190.7	8235.9	7794.0	7187.6	6607.1	6057.1	5607.2	5347.6	5231.5	5173.4	5167.0
22.5°	8443.9	8395.5	7716.6	6934.4	6202.3	5576.6	5210.5	5089.6	5060.5	5047.6	5052.5
25°	8711.6	8563.2	7602.1	6603.8	5691.1	5096.0	4920.2	4954.1	4992.8	4988.0	4988.0
27.5°	9006.7	8734.2	7426.3	6165.2	5125.0	4702.5	4723.5	4847.7	4905.7	4904.1	4902.5
30°	9385.7	8927.7	7202.1	5637.9	4596.1	4425.1	4552.5	4704.1	4783.1	4779.9	4781.5
32.5°	9851.7	9140.6	6897.3	5049.2	4213.9	4220.3	4367.1	4517.1	4609.0	4600.9	4602.5
35°	10396.8	9379.2	6484.5	4468.7	3960.7	4057.5	4173.6	4278.4	4365.5	4354.2	4342.9
37.5°	10990.3	9613.1	5936.2	3949.4	3754.3	3905.9	4002.6	4020.4	4060.7	4031.6	4010.7
40°	11554.7	9792.1	5229.9	3523.7	3546.2	3776.8	3839.7	3768.8	3696.2	3686.5	3657.5
42.5°	12046.6	9851.7	4515.4	3183.4	3326.9	3641.4	3680.1	3531.7	3401.1	3339.8	3314.0
45°	12565.8	9872.7	3849.4	2897.9	3115.7	3520.4	3562.4	3364.0	3180.2	3047.9	3004.4
47.5°	13244.8	10024.3	3331.8	2686.7	2954.4	3439.8	3499.5	3230.2	2991.5	2802.8	2762.5
50°	14133.3	10324.2	2910.9	2525.4	2849.6	3386.6	3454.3	3099.5	2836.7	2609.3	2569.0
52.5°	15120.3	10600.0	2570.6	2394.8	2748.0	3293.1	3396.3	3006.0	2691.5	2430.3	2386.7
55°	15810.5	10388.8	2296.4	2259.3	2615.7	3159.2	3315.6	2927.0	2483.5	2256.1	2217.4
57.5°	15942.8	9666.3	2088.4	2119.0	2456.1	2991.5	3191.5	2751.2	2370.6	2180.3	2140.0
60°	15581.5	8660.0	1933.6	1990.0	2285.1	2780.2	2959.2	2627.0	2262.6	2099.7	2065.8
62.5°	14673.6	7629.5	1819.1	1873.9	2125.5	2565.7	2814.1	2496.4	2152.9	2007.8	1973.9
65°	12840.0	6405.5	1709.4	1770.7	1977.1	2380.3	2683.5	2375.4	2044.9	1933.6	1901.3
67.5°	9692.1	4797.7	1606.2	1661.0	1844.9	2219.0	2541.6	2256.1	1940.0	1869.1	1830.4
70°	5707.2	3004.4	1488.5	1546.5	1706.2	2051.3	2390.0	2125.5	1809.4	1777.2	1727.2
72.5°	2656.0	1807.8	1354.6	1411.1	1532.0	1827.1	2194.8	1954.5	1654.6	1583.6	1515.9
75°	1585.2	1322.4	1196.6	1246.6	1332.1	1588.5	1949.7	1780.4	1507.8	1414.3	1343.3
77.5°	1185.3	1011.1	1022.4	1075.6	1145.0	1390.1	1727.2	1643.3	1395.0	1322.4	1274.0
80°	853.1	767.6	833.7	891.8	964.4	1264.3	1654.6	1519.1	1261.1	1164.3	1119.2
82.5°	569.3	551.5	627.3	687.0	757.9	1106.3	1554.6	1330.4	1077.3	954.7	854.7
85°	314.5	332.2	422.5	448.3	509.6	778.9	1274.0	1069.2	811.2	653.1	624.1
87.5°	130.6	153.2	227.4	219.3	270.9	464.4	838.6	645.1	516.1	385.4	300.0
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)