

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: P316707

Luminaire Tested: **GAN-SA3A-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12273 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

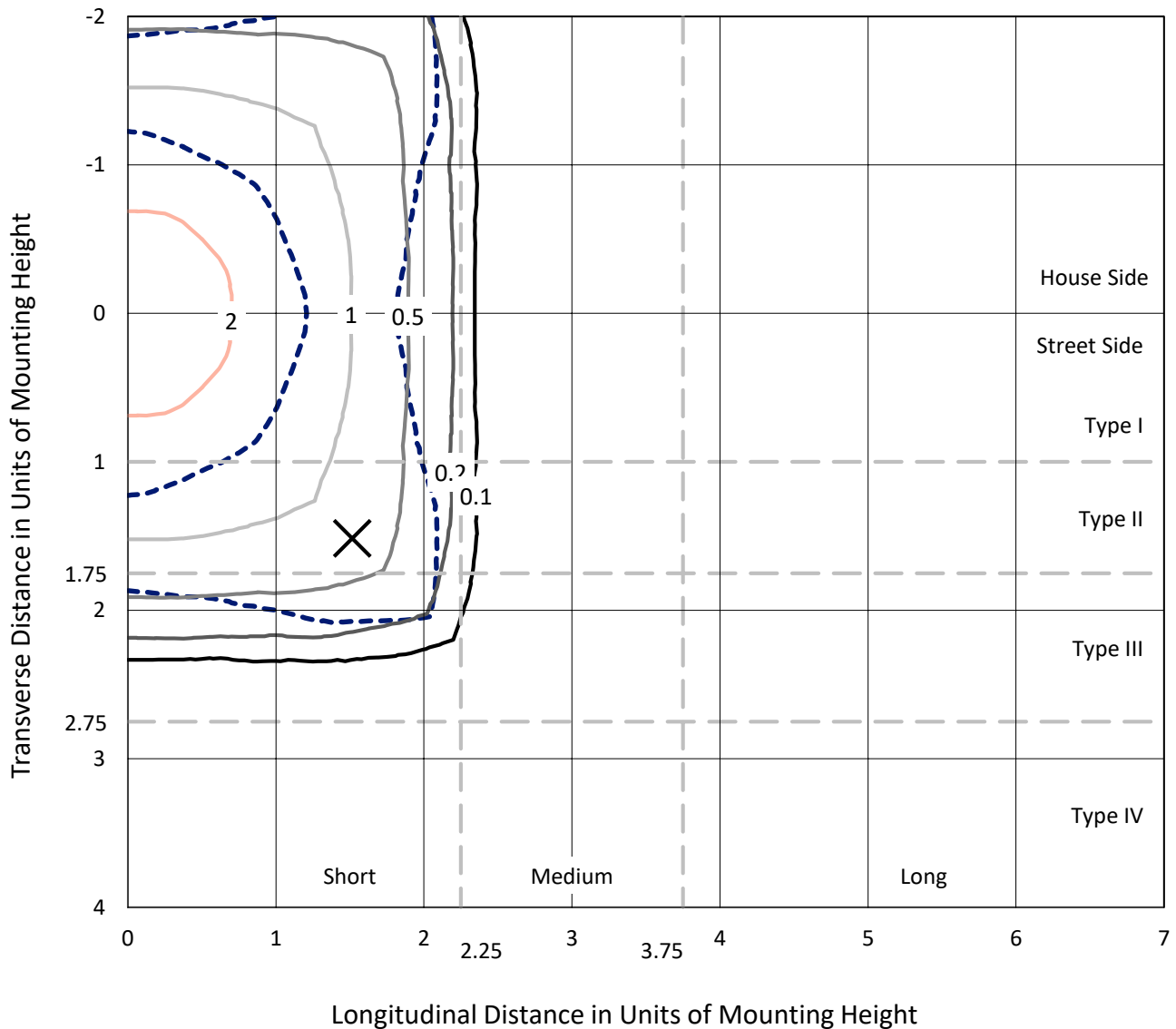
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316707
 CATALOG NUMBER: GAN-SA3A-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

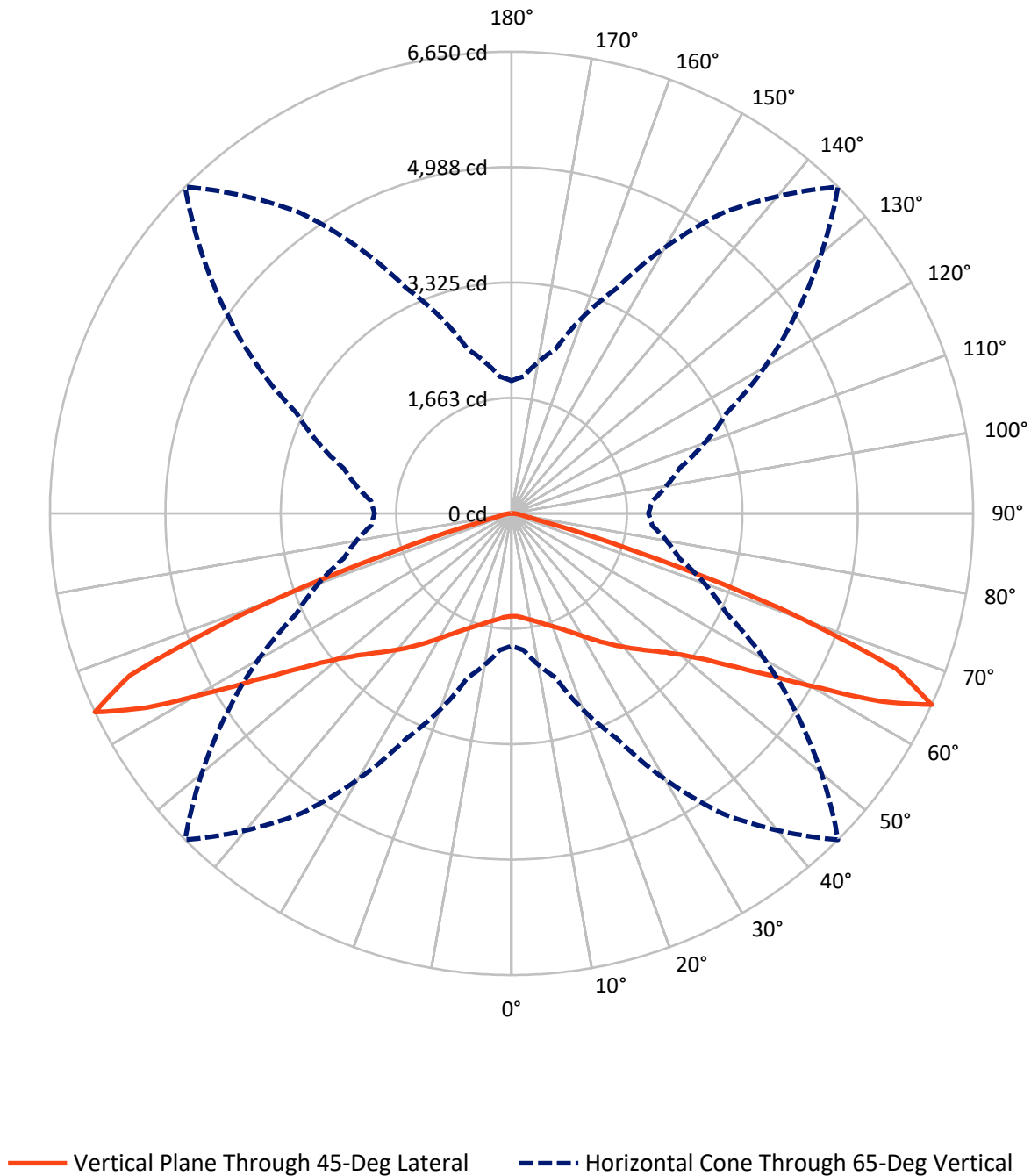
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

REPORT NUMBER: P316707
CATALOG NUMBER: GAN-SA3A-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316707

CATALOG NUMBER: GAN-SA3A-727-U-5NQ

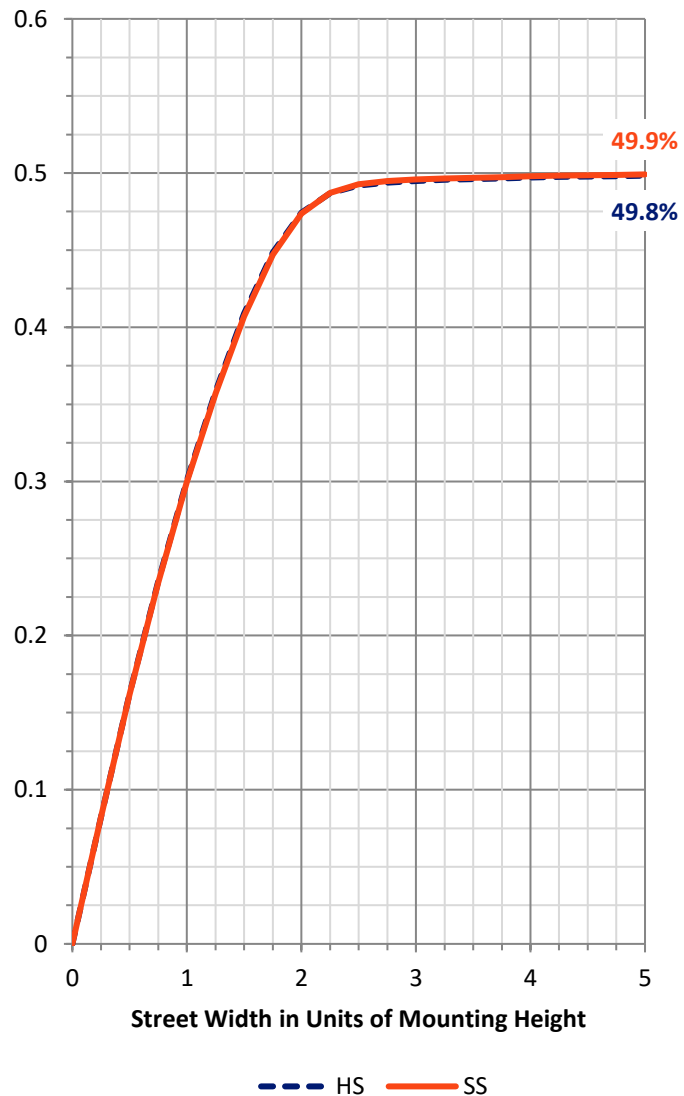
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6136.5	0.0	6136.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6136.5	0.0	6136.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12273.0	0.0	12273.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.2
10°-20°	467.4	3.8
20°-30°	876.9	7.1
30°-40°	1450.3	11.8
40°-50°	2246.3	18.3
50°-60°	3445.2	28.1
60°-70°	3214.7	26.2
70°-80°	374.1	3.0
80°-90°	52.6	0.4
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°	12273.0	100.0
0°-180°	12273.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316707

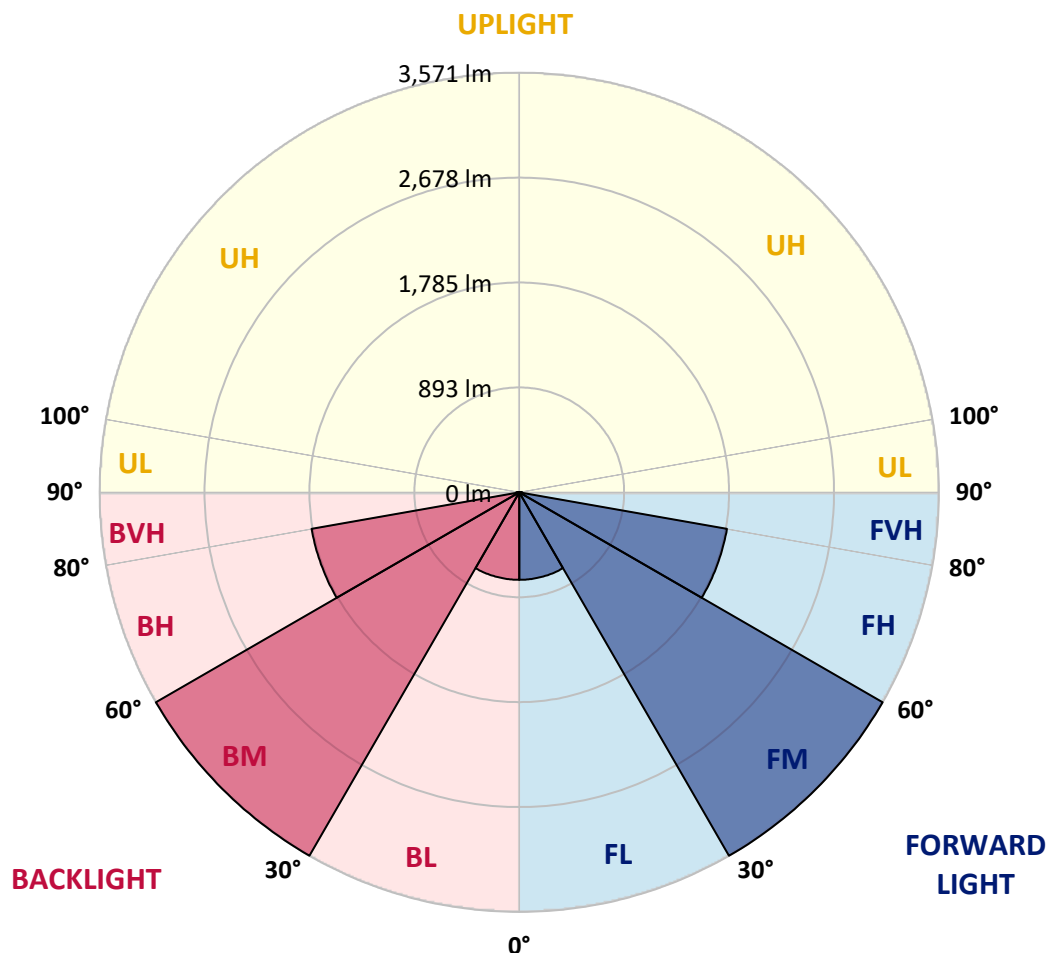
CATALOG NUMBER: GAN-SA3A-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	744.9	6.1			
FM	(30°-60°)	3570.9	29.1			
FH	(60°-80°)	1794.4	14.6			G1/1800
FVH	(80°-90°)	26.3	0.2			G1/100
BL	(0°-30°)	744.9	6.1	B2/1000		
BM	(30°-60°)	3570.9	29.1	B3/5000		
BH	(60°-80°)	1794.4	14.6	B3/2500		G1/1800
BVH	(80°-90°)	26.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P316707

CATALOG NUMBER: GAN-SA3A-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1	1482.1
2.5°	1487.0	1486.2	1487.0	1487.4	1485.0	1486.2	1485.8	1487.8	1488.6	1487.8	1487.8
5°	1504.1	1502.9	1504.5	1506.6	1503.3	1504.1	1502.9	1505.3	1506.2	1504.5	1505.7
7.5°	1527.7	1528.2	1529.8	1533.5	1531.4	1533.0	1530.6	1531.0	1530.6	1528.2	1528.6
10°	1553.4	1553.8	1556.7	1561.6	1562.4	1562.4	1560.7	1559.5	1557.9	1556.3	1556.7
12.5°	1584.4	1586.4	1588.5	1594.6	1594.6	1597.8	1597.0	1593.7	1590.9	1588.5	1588.5
15°	1626.3	1625.9	1628.4	1634.5	1637.3	1642.6	1642.6	1638.2	1634.5	1632.0	1631.2
17.5°	1670.3	1671.6	1673.2	1680.5	1685.0	1691.1	1691.9	1688.3	1685.8	1682.6	1680.5
20°	1721.7	1723.7	1730.2	1733.1	1737.2	1742.9	1744.9	1744.1	1741.6	1740.0	1740.4
22.5°	1781.6	1786.9	1790.9	1795.0	1799.9	1804.0	1806.0	1808.9	1806.4	1805.2	1804.4
25°	1854.1	1857.7	1865.9	1873.2	1876.5	1877.7	1880.1	1884.2	1883.8	1881.0	1881.0
27.5°	1936.4	1943.3	1953.5	1964.1	1964.1	1960.0	1968.1	1975.1	1972.6	1969.0	1964.1
30°	2036.2	2042.7	2054.5	2069.2	2061.8	2059.0	2070.0	2082.6	2079.0	2072.8	2072.0
32.5°	2143.7	2149.8	2165.3	2181.2	2171.8	2167.8	2179.6	2197.9	2191.4	2179.2	2171.8
35°	2260.3	2266.4	2288.4	2307.5	2291.6	2284.7	2294.5	2314.4	2303.0	2280.2	2274.5
37.5°	2387.0	2390.2	2418.7	2438.3	2427.3	2409.0	2421.2	2435.8	2426.1	2398.4	2387.4
40°	2518.5	2530.4	2563.4	2586.2	2567.0	2538.1	2558.5	2578.8	2564.2	2528.7	2510.0
42.5°	2672.1	2681.1	2725.1	2745.5	2714.5	2673.8	2701.5	2729.2	2714.5	2680.3	2664.0
45°	2831.8	2845.7	2898.2	2918.6	2873.8	2822.1	2855.9	2904.4	2903.1	2853.8	2836.7
47.5°	3005.8	3019.6	3082.4	3109.3	3060.8	2991.5	3039.2	3107.6	3102.8	3048.6	3034.7
50°	3206.6	3221.3	3299.5	3333.3	3288.1	3207.5	3279.2	3339.5	3330.5	3263.7	3264.9
52.5°	3458.8	3458.0	3555.4	3614.0	3567.6	3496.3	3562.3	3621.0	3583.9	3491.4	3488.6
55°	3679.6	3693.1	3813.7	3924.9	3922.0	3894.7	3921.2	3923.7	3817.7	3694.7	3679.6
57.5°	3824.7	3850.3	4020.2	4221.5	4372.2	4408.5	4357.1	4201.5	3953.4	3756.6	3732.6
60°	3735.4	3774.6	4041.4	4451.7	4895.7	5108.8	4819.1	4336.4	3847.9	3573.7	3541.1
62.5°	3133.3	3199.3	3590.0	4340.4	5346.3	5969.2	5154.0	4120.0	3428.3	3050.6	2994.8
65°	1908.3	1977.9	2448.9	3572.5	5273.4	6650.4	5001.2	3419.7	2502.2	2032.5	1972.2
67.5°	636.0	656.3	933.8	1974.7	4144.5	5975.3	4151.4	2047.2	1089.0	721.9	700.7
70°	248.9	251.0	296.2	572.4	1957.1	4104.1	2159.6	582.6	309.6	244.8	250.1
72.5°	182.9	183.7	196.4	239.1	510.1	1808.0	528.4	240.4	191.1	171.5	171.5
75°	147.1	147.1	156.0	174.4	228.6	414.7	231.8	172.3	149.5	136.9	135.3
77.5°	116.1	118.6	125.5	137.3	154.8	199.6	160.5	136.5	120.6	108.8	106.3
80°	86.4	88.8	100.2	105.9	111.2	138.5	118.6	106.7	95.3	81.5	79.0
82.5°	56.6	59.1	73.3	76.6	75.4	90.4	79.9	78.6	70.1	52.6	50.1
85°	37.1	37.9	48.9	50.9	46.9	41.1	50.9	53.8	48.9	34.2	33.0
87.5°	17.5	17.5	24.9	23.2	21.2	17.1	23.2	27.3	27.7	16.7	16.3
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)