

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: P316730

Luminaire Tested: **GAN-SA6C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316730
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-SA6C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36492 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

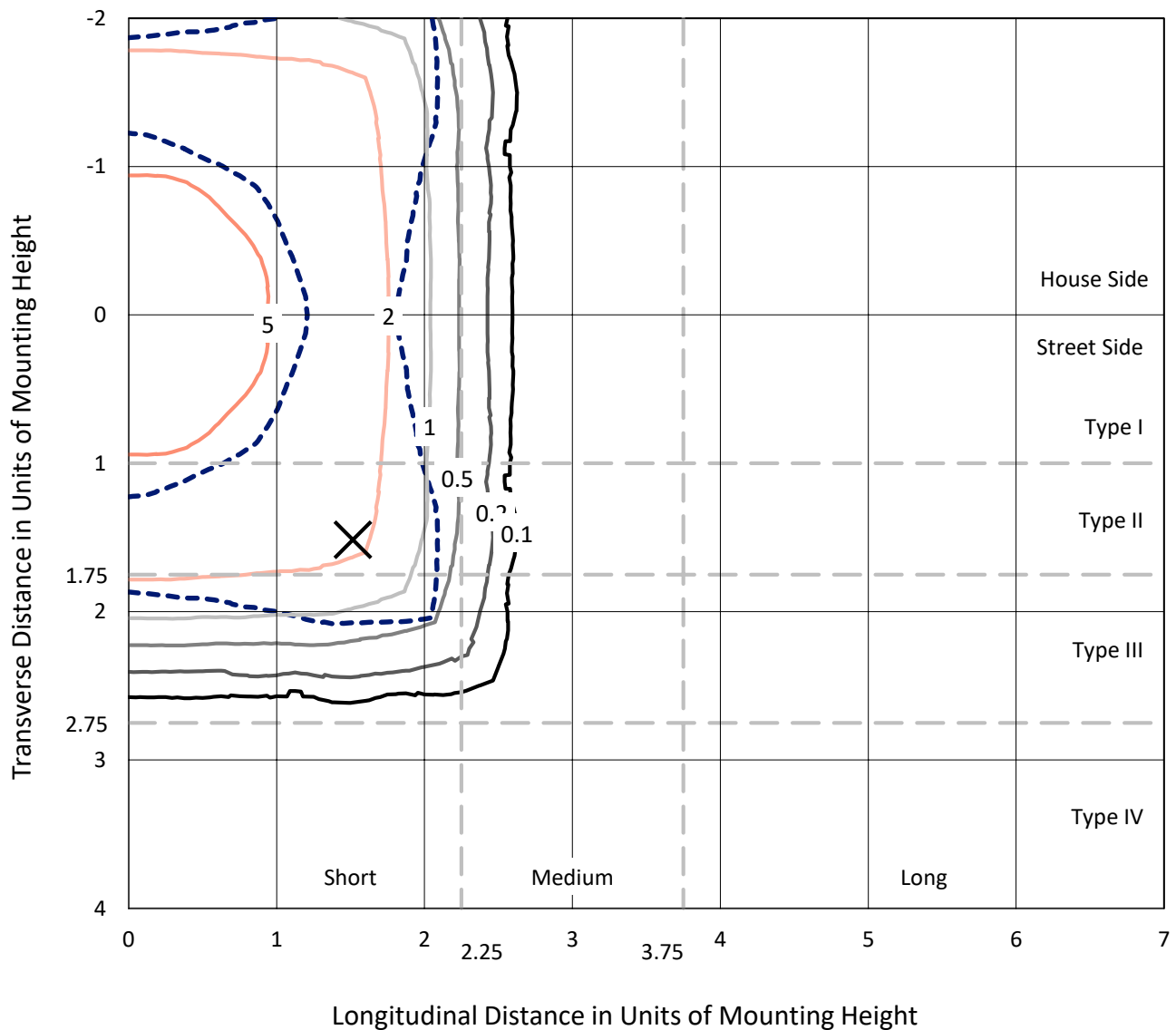
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316730
 CATALOG NUMBER: GAN-SA6C-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

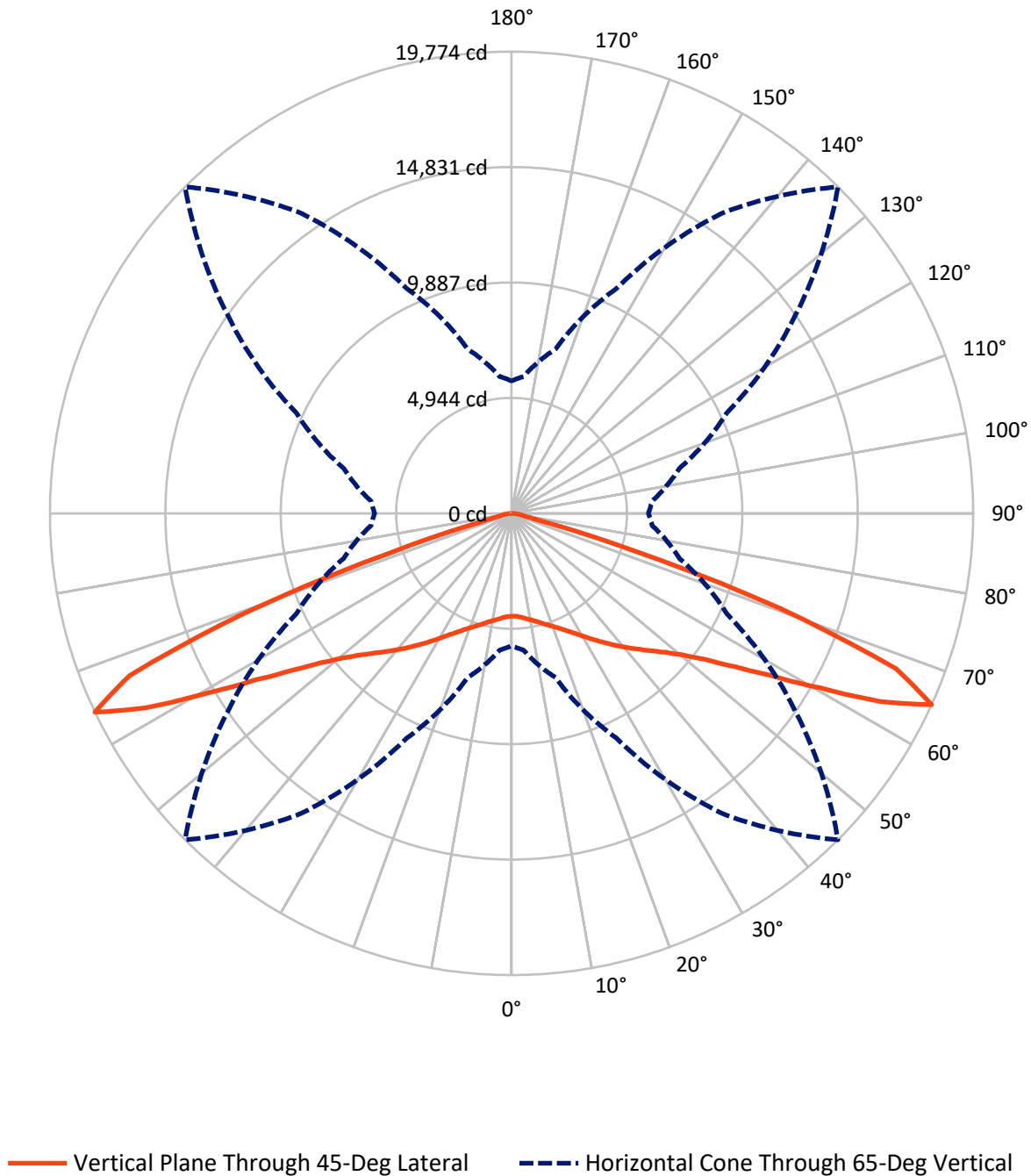
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316730
CATALOG NUMBER: GAN-SA6C-727-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316730

CATALOG NUMBER: GAN-SA6C-727-U-5NQ

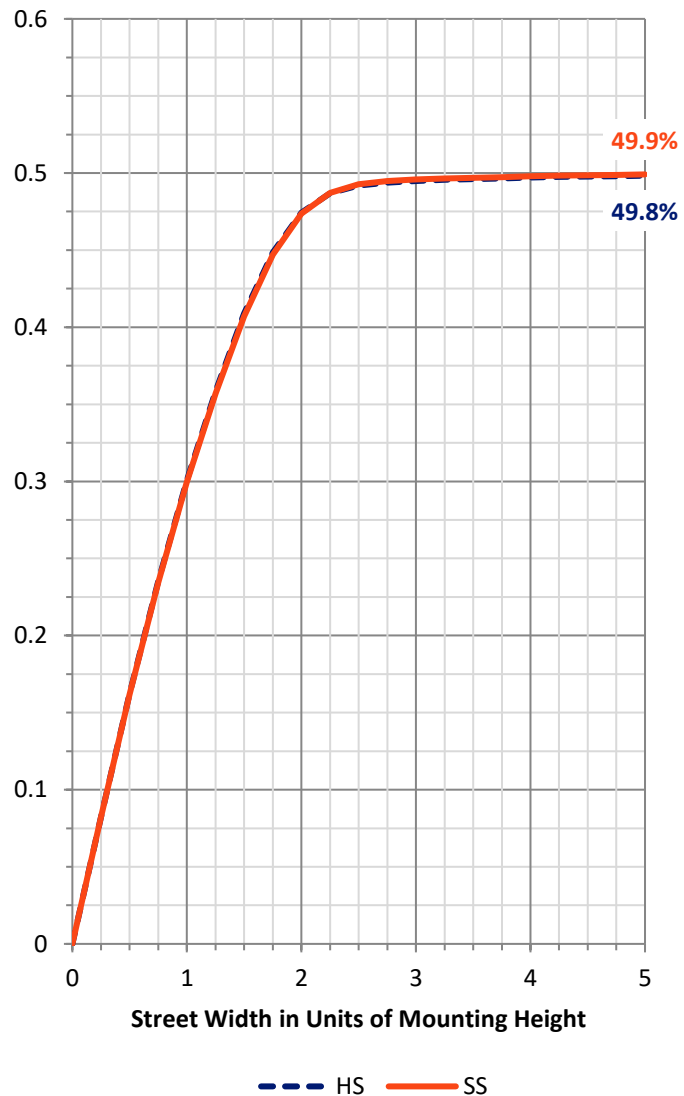
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18246.0	0.0	18246.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18246.0	0.0	18246.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36492.0	0.0	36492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	1.2
10°-20°	1389.8	3.8
20°-30°	2607.5	7.1
30°-40°	4312.2	11.8
40°-50°	6679.0	18.3
50°-60°	10243.8	28.1
60°-70°	9558.6	26.2
70°-80°	1112.5	3.0
80°-90°	156.3	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°	36492.0	100.0
0°-180°	36492.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316730

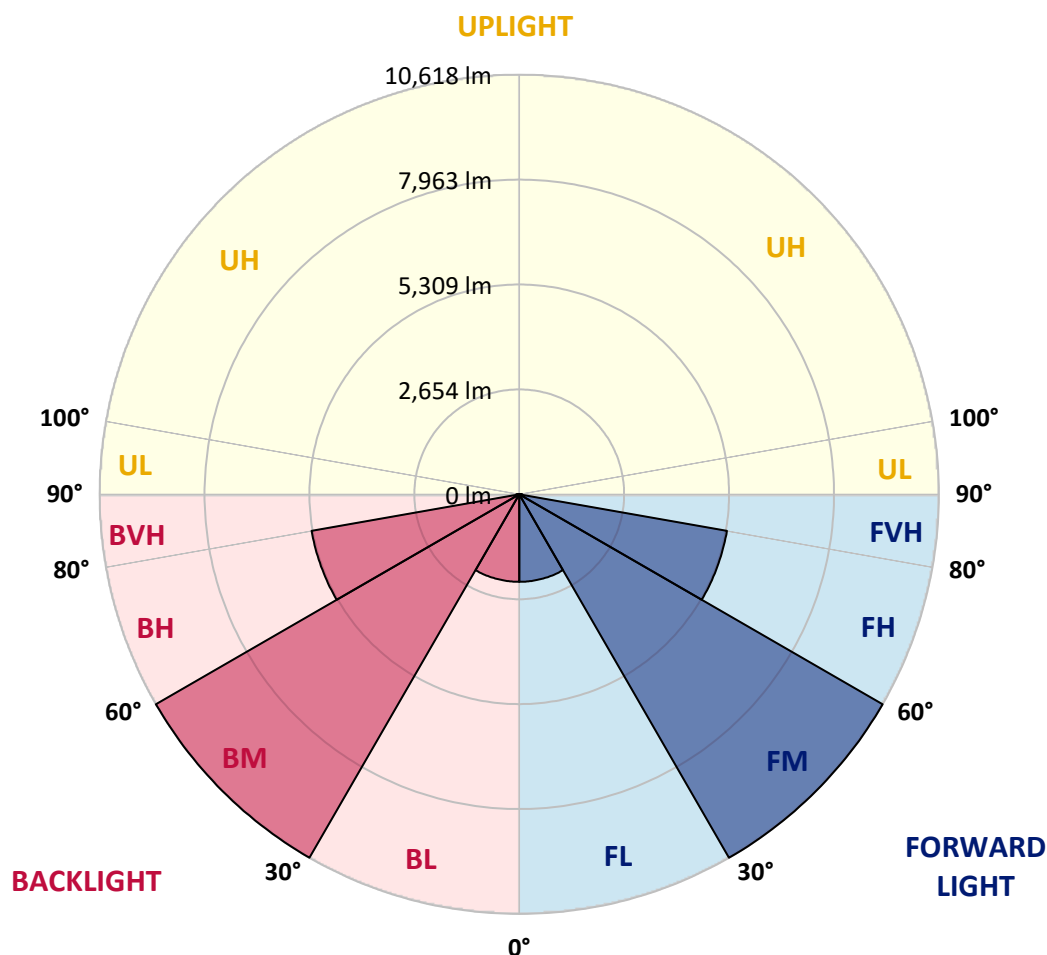
CATALOG NUMBER: GAN-SA6C-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2214.8	6.1			
FM	(30°-60°)	10617.5	29.1			
FH	(60°-80°)	5335.5	14.6			G3/7500
FVH	(80°-90°)	78.2	0.2			G1/100
BL	(0°-30°)	2214.8	6.1	B3/2500		
BM	(30°-60°)	10617.5	29.1	B5		
BH	(60°-80°)	5335.5	14.6	B5		G3/7500
BVH	(80°-90°)	78.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P316730

CATALOG NUMBER: GAN-SA6C-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9	4406.9
2.5°	4421.4	4419.0	4421.4	4422.6	4415.4	4419.0	4417.8	4423.8	4426.3	4423.8	4423.8
5°	4472.3	4468.6	4473.5	4479.6	4469.9	4472.3	4468.6	4475.9	4478.3	4473.5	4477.1
7.5°	4542.5	4543.8	4548.6	4559.5	4553.4	4558.3	4551.0	4552.2	4551.0	4543.8	4545.0
10°	4618.9	4620.1	4628.5	4643.1	4645.5	4645.5	4640.7	4637.0	4632.2	4627.3	4628.5
12.5°	4710.9	4717.0	4723.0	4741.2	4741.2	4750.9	4748.5	4738.8	4730.3	4723.0	4723.0
15°	4835.7	4834.5	4841.7	4859.9	4868.4	4884.1	4884.1	4870.8	4859.9	4852.6	4850.2
17.5°	4966.5	4970.1	4975.0	4996.8	5010.1	5028.3	5030.7	5019.8	5012.5	5002.9	4996.8
20°	5119.1	5125.2	5144.6	5153.1	5165.2	5182.1	5188.2	5185.8	5178.5	5173.7	5174.9
22.5°	5297.2	5313.0	5325.1	5337.2	5351.7	5363.8	5369.9	5378.4	5371.1	5367.5	5365.0
25°	5512.8	5523.7	5548.0	5569.8	5579.5	5583.1	5590.4	5602.5	5601.3	5592.8	5592.8
27.5°	5757.5	5778.1	5808.4	5839.9	5839.9	5827.8	5852.0	5872.6	5865.3	5854.4	5839.9
30°	6054.3	6073.7	6108.8	6152.4	6130.6	6122.1	6154.8	6192.4	6181.5	6163.3	6160.9
32.5°	6374.1	6392.3	6438.3	6485.5	6457.7	6445.6	6480.7	6535.2	6515.8	6479.5	6457.7
35°	6720.5	6738.7	6804.1	6861.1	6813.8	6793.2	6822.3	6881.6	6847.7	6779.9	6762.9
37.5°	7097.3	7107.0	7191.8	7249.9	7217.2	7162.7	7199.0	7242.6	7213.6	7131.2	7098.5
40°	7488.5	7523.7	7621.8	7689.6	7632.7	7546.7	7607.2	7667.8	7624.2	7518.8	7463.1
42.5°	7945.2	7971.9	8102.7	8163.3	8071.2	7950.1	8032.4	8114.8	8071.2	7969.4	7921.0
45°	8420.1	8461.2	8617.5	8678.1	8544.8	8391.0	8491.5	8635.7	8632.0	8485.5	8434.6
47.5°	8937.3	8978.5	9165.0	9245.0	9100.8	8894.9	9036.6	9240.1	9225.6	9064.5	9023.3
50°	9534.5	9578.1	9810.7	9911.2	9776.8	9536.9	9750.1	9929.4	9902.7	9704.1	9707.7
52.5°	10284.3	10281.9	10571.4	10745.8	10607.7	10395.8	10592.0	10766.4	10656.2	10381.2	10372.7
55°	10940.9	10980.8	11339.4	11670.1	11661.6	11580.5	11659.2	11666.5	11351.5	10985.7	10940.9
57.5°	11372.1	11448.4	11953.5	12552.0	13000.1	13108.0	12955.3	12492.6	11754.9	11169.8	11098.3
60°	11106.8	11223.1	12016.5	13236.4	14556.7	15190.3	14329.0	12893.6	11441.1	10625.9	10529.0
62.5°	9316.5	9512.7	10674.4	12905.7	15896.5	17748.6	15324.7	12250.3	10193.5	9070.5	8904.6
65°	5673.9	5881.1	7281.4	10622.3	15679.6	19774.0	14870.5	10168.0	7440.1	6043.4	5864.1
67.5°	1890.9	1951.5	2776.4	5871.4	12323.0	17766.8	12343.6	6087.0	3237.9	2146.5	2083.5
70°	740.1	746.2	880.6	1701.9	5819.3	12203.1	6421.3	1732.2	920.6	728.0	743.8
72.5°	543.9	546.3	583.9	711.1	1516.6	5375.9	1571.1	714.7	568.1	510.0	510.0
75°	437.3	437.3	463.9	518.5	679.6	1233.1	689.3	512.4	444.6	407.0	402.2
77.5°	345.2	352.5	373.1	408.2	460.3	593.6	477.3	405.8	358.6	323.4	316.2
80°	256.8	264.1	298.0	314.9	330.7	411.9	352.5	317.4	283.5	242.3	235.0
82.5°	168.4	175.6	218.0	227.7	224.1	268.9	237.4	233.8	208.4	156.3	149.0
85°	110.2	112.7	145.4	151.4	139.3	122.3	151.4	159.9	145.4	101.8	98.1
87.5°	52.1	52.1	73.9	69.0	63.0	50.9	69.0	81.2	82.4	49.7	48.5
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)