

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: LUMARK

Report Number: P622562

Luminaire Tested: **PRV-M-C275-D-U-T5-BZ**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-605-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-M-C275-D-U-T5-BZ  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

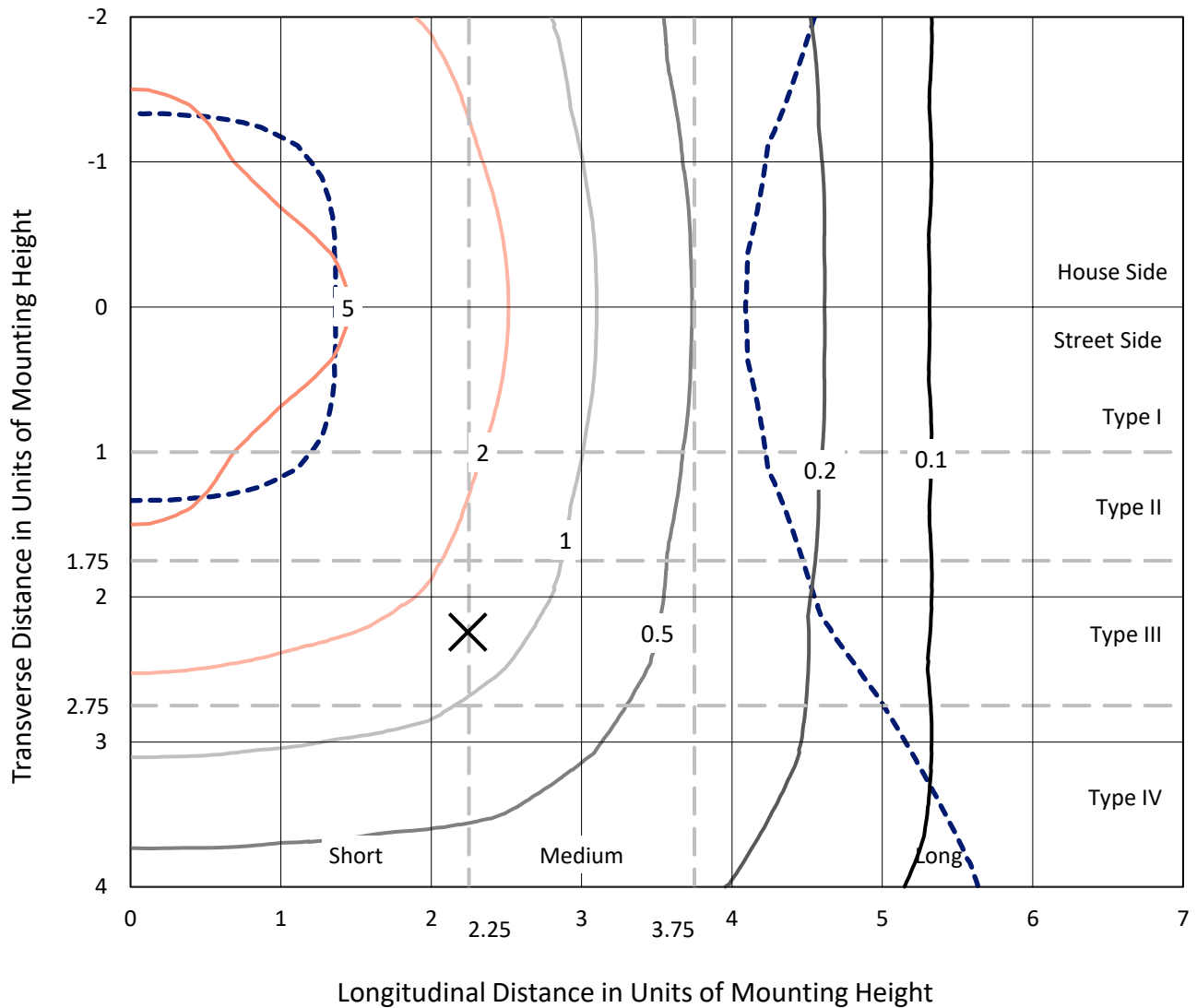
Lumens per Lamp: N/A  
Luminaire Lumens: 84335 lumens  
Efficiency: N/A  
Efficacy: 143.5 lumens/watt  
Luminous Opening: Rectangular (W 1.83' x L: 1.75' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 587.5  
Input Voltage (V): NR  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

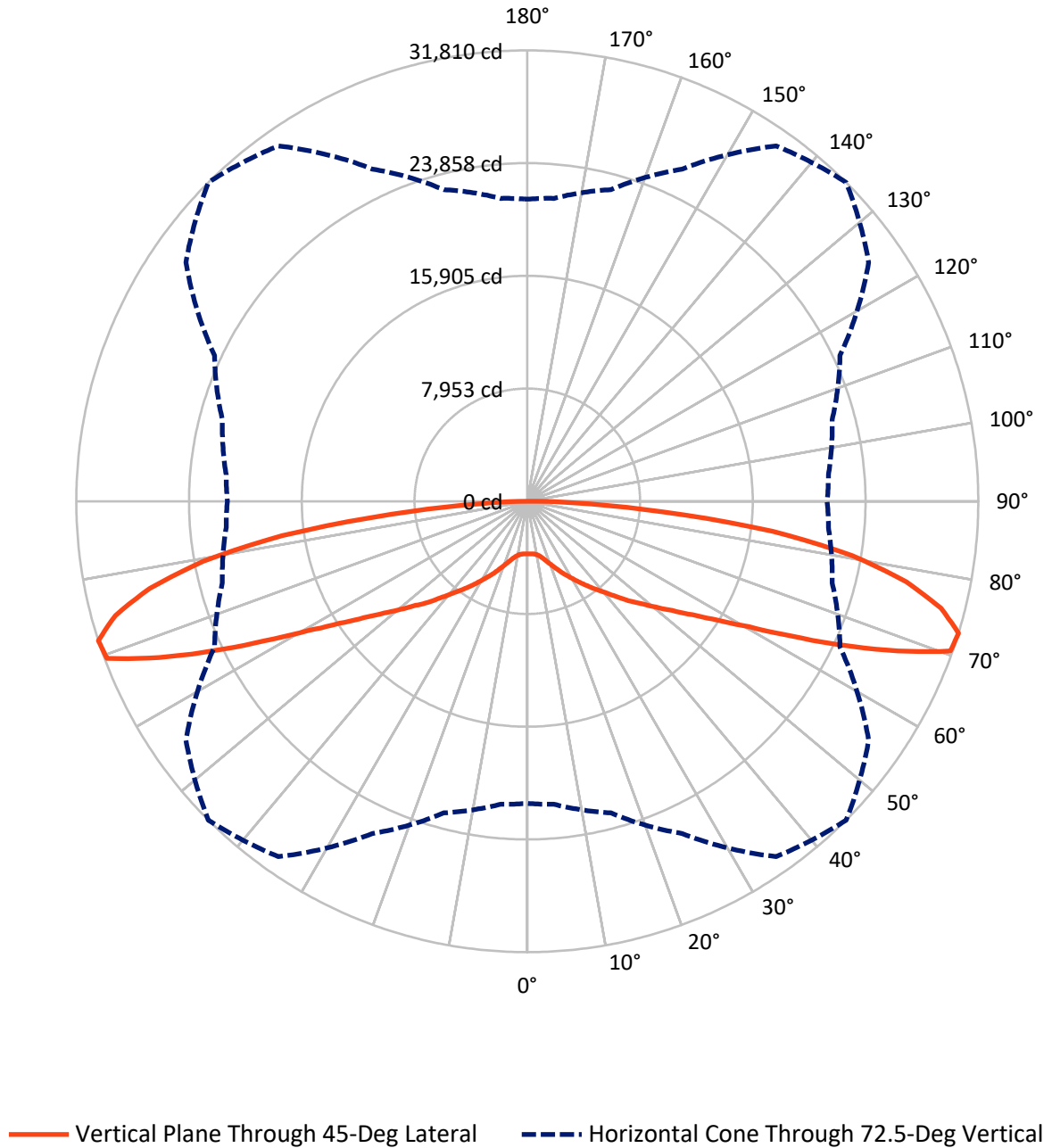
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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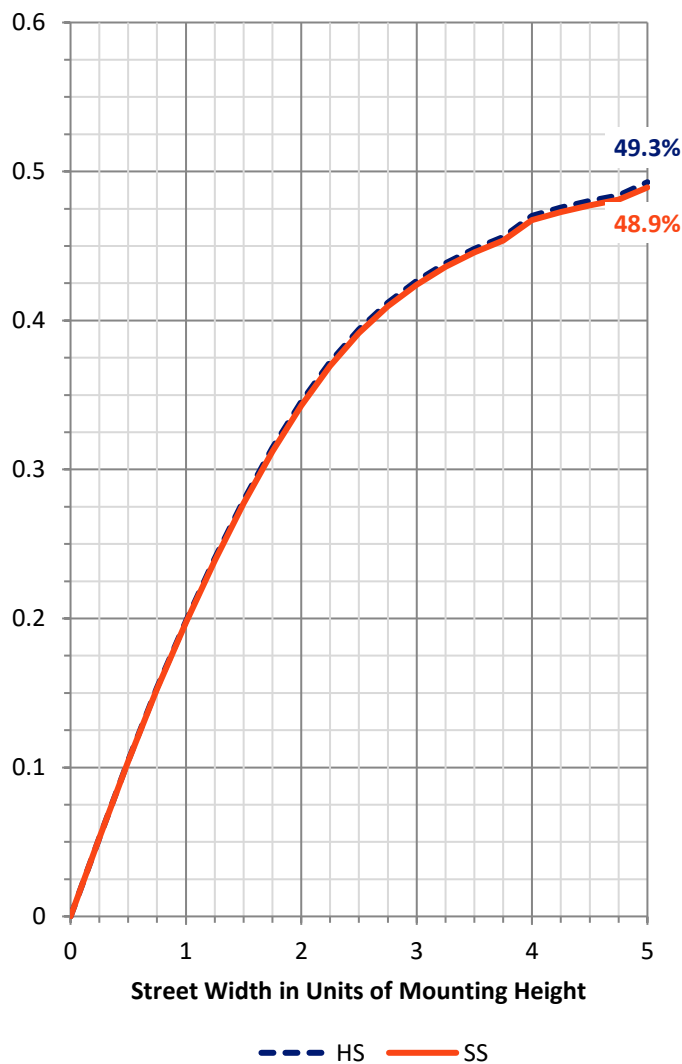
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	42167.5	0.0	42167.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	42167.5	0.0	42167.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	84335.0	0.0	84335.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.3	0.4
10°-20°	1201.8	1.4
20°-30°	2528.2	3.0
30°-40°	4658.5	5.5
40°-50°	8120.0	9.6
50°-60°	14269.5	16.9
60°-70°	23872.2	28.3
70°-80°	23329.4	27.7
80°-90°	5994.0	7.1
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°	84335.0	100.0
0°-180°	84335.0	100.0

**Coefficient of Utilization**



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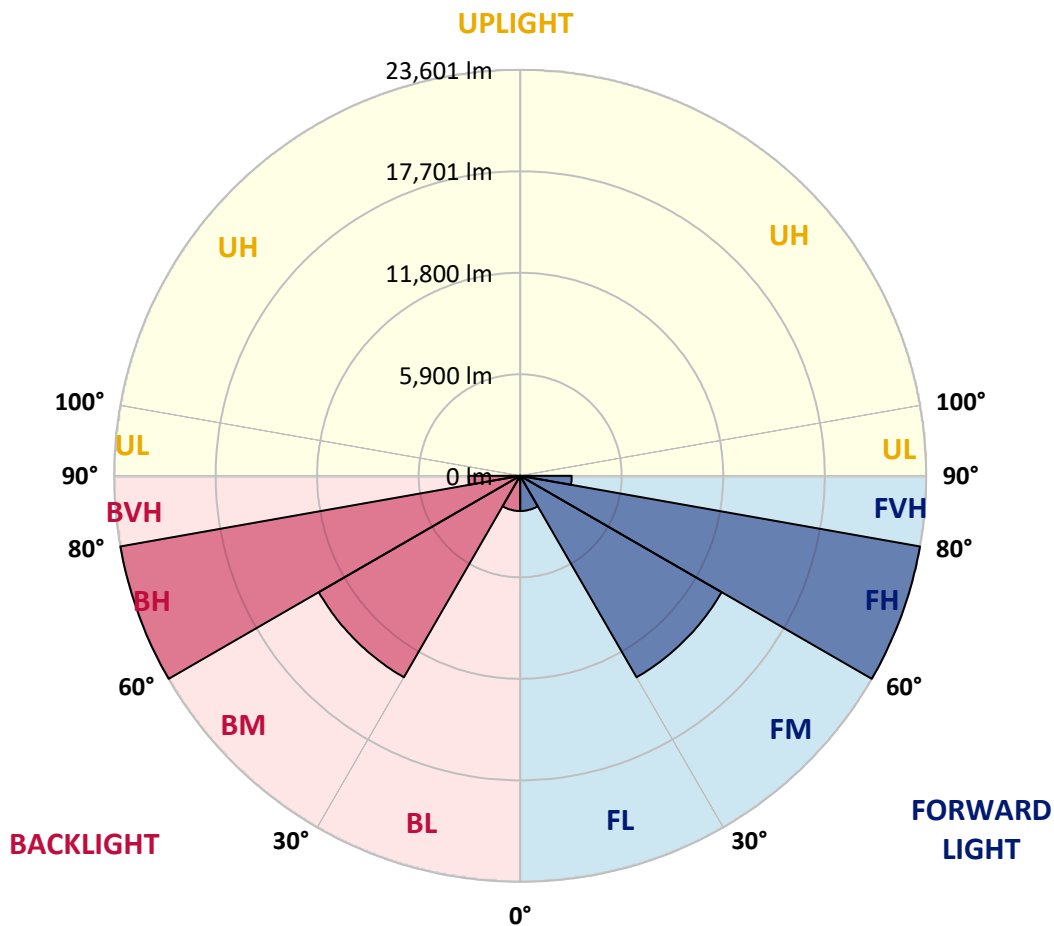
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2045.7	2.4			
FM (30°-60°)	13524.0	16.0			
FH (60°-80°)	23600.8	28.0			G5
FVH (80°-90°)	2997.0	3.6			G5
BL (0°-30°)	2045.7	2.4	B3/2500		
BM (30°-60°)	13524.0	16.0	B5		
BH (60°-80°)	23600.8	28.0	B5		G5
BVH (80°-90°)	2997.0	3.6			G5
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2	3721.2
2.5°	3732.3	3733.8	3735.4	3722.8	3718.1	3707.0	3710.2	3727.5	3738.6	3746.4	3744.9
5°	3748.0	3751.2	3754.3	3744.9	3737.0	3726.0	3733.8	3751.2	3765.3	3773.2	3771.6
7.5°	3792.1	3792.1	3796.9	3785.8	3779.5	3765.3	3771.6	3790.5	3806.3	3817.3	3814.2
10°	3859.9	3867.7	3875.6	3859.9	3858.3	3842.5	3847.3	3864.6	3869.3	3877.2	3877.2
12.5°	3965.4	3970.2	3982.8	3984.3	3995.4	3978.0	3978.0	3979.6	3973.3	3963.8	3962.3
15°	4126.1	4130.8	4152.9	4168.7	4189.1	4186.0	4170.2	4159.2	4126.1	4115.1	4118.2
17.5°	4329.4	4343.5	4365.6	4395.5	4445.9	4452.2	4419.2	4387.6	4356.1	4338.8	4319.9
20°	4616.1	4622.4	4652.3	4683.8	4751.6	4761.0	4720.1	4663.4	4630.3	4630.3	4628.7
22.5°	4937.5	4935.9	4961.1	5010.0	5087.1	5118.7	5058.8	5000.5	4975.3	4973.7	4970.6
25°	5309.3	5320.3	5315.6	5361.3	5457.4	5518.8	5427.4	5370.7	5358.1	5356.6	5367.6
27.5°	5734.7	5750.4	5739.4	5739.4	5838.6	5923.7	5827.6	5781.9	5781.9	5794.5	5797.7
30°	6201.0	6205.7	6191.5	6191.5	6267.2	6349.1	6243.5	6253.0	6270.3	6314.4	6298.7
32.5°	6717.7	6711.4	6691.0	6689.4	6755.6	6835.9	6739.8	6760.3	6817.0	6869.0	6832.8
35°	7292.8	7278.6	7251.8	7236.1	7302.2	7336.9	7303.8	7351.1	7426.7	7497.6	7496.0
37.5°	7882.0	7904.1	7855.2	7837.9	7845.8	7882.0	7883.6	7973.4	8110.4	8201.8	8193.9
40°	8598.8	8583.1	8535.8	8444.4	8447.6	8457.1	8570.5	8704.4	8906.1	8978.5	9035.2
42.5°	9441.7	9455.9	9287.3	9202.2	9139.2	9167.6	9288.9	9520.5	9769.4	9875.0	9934.8
45°	10492.5	10539.8	10369.7	10180.6	10008.9	10004.1	10141.2	10402.7	10676.9	10895.9	10940.0
47.5°	11905.7	11874.2	11573.3	11173.1	10828.1	10769.8	10884.8	11256.6	11760.8	12083.8	12077.4
50°	13566.3	13456.0	13041.6	12441.4	11812.8	11730.8	11833.3	12370.5	12999.1	13413.4	13429.2
52.5°	15415.8	15335.5	14861.3	13996.4	13115.7	12805.3	12959.7	13671.8	14456.4	14955.8	15031.4
55°	17274.9	17293.8	16797.5	15797.1	14703.7	14133.4	14322.5	15127.5	16224.1	16714.0	16745.5
57.5°	19274.1	19258.4	18798.3	17823.1	16638.4	15803.4	16017.7	17008.6	17983.8	18629.8	18610.9
60°	21197.8	21130.0	20725.1	20025.6	18971.6	17979.1	18143.0	19116.6	19994.1	20532.9	20577.0
62.5°	22847.3	22850.4	22650.3	22310.0	21717.7	20945.7	20777.1	21371.1	22089.5	22455.0	22447.1
65°	24996.2	24930.0	24752.0	24572.4	24556.6	24495.2	23783.1	23831.9	24232.1	24577.1	24630.7
67.5°	25588.6	25668.9	26039.1	26904.1	28079.4	28191.2	26911.9	25794.9	25364.8	25264.0	25193.1
70°	24038.3	24061.9	25035.6	27041.1	30429.9	31655.6	29019.9	25684.7	24331.3	23827.2	23791.0
72.5°	21317.5	21453.0	22760.6	25864.3	30606.4	31810.0	29390.1	24339.2	22262.8	21319.1	21152.1
75°	18035.8	18292.6	19918.5	23360.9	28867.1	30143.2	27735.9	21988.6	19382.8	18172.9	18057.9
77.5°	12917.2	13068.4	15327.6	19564.0	25887.9	27334.2	24822.9	18475.4	15354.4	13933.3	13736.4
80°	6859.5	7410.9	9585.1	14079.9	20956.7	23242.7	20069.7	13611.9	10232.6	8559.5	8482.3
82.5°	2991.8	3188.7	4625.5	8171.9	14369.7	17445.0	14010.5	8401.9	5613.4	4308.9	4036.3
85°	1243.0	1298.2	2048.1	3869.3	7502.3	9607.1	7776.5	4200.2	2564.8	1739.3	1829.1
87.5°	327.7	368.7	645.9	1451.0	2730.3	3210.8	2616.8	1591.2	853.9	535.7	499.4
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)