

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: McGRAW-EDISON

Report Number: P197609

Luminaire Tested: **TT-C2-LED-E1-5MQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-5MQ-PM-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3983 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

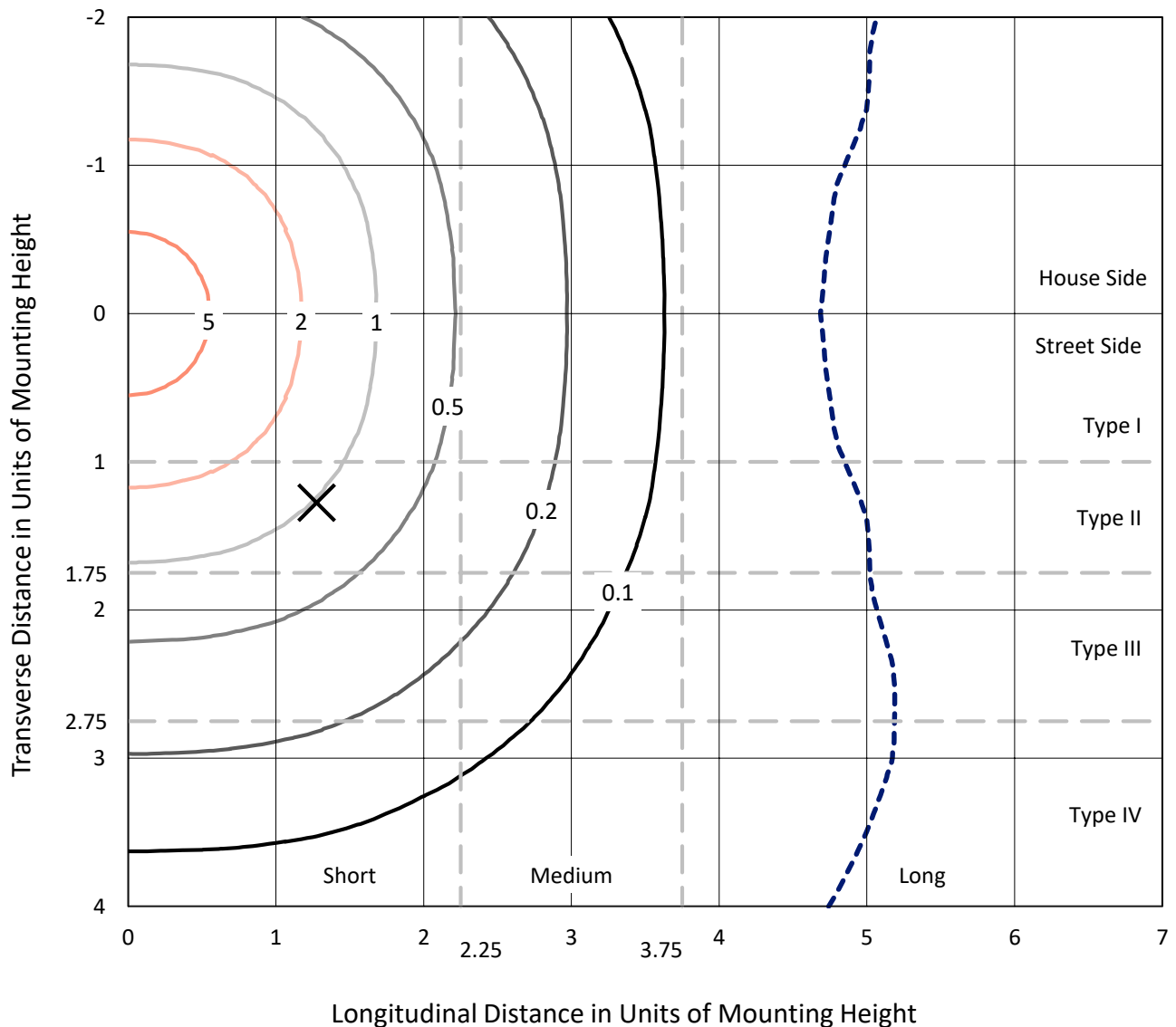


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Iso-Footcandle Lines of Horizontal Illumination

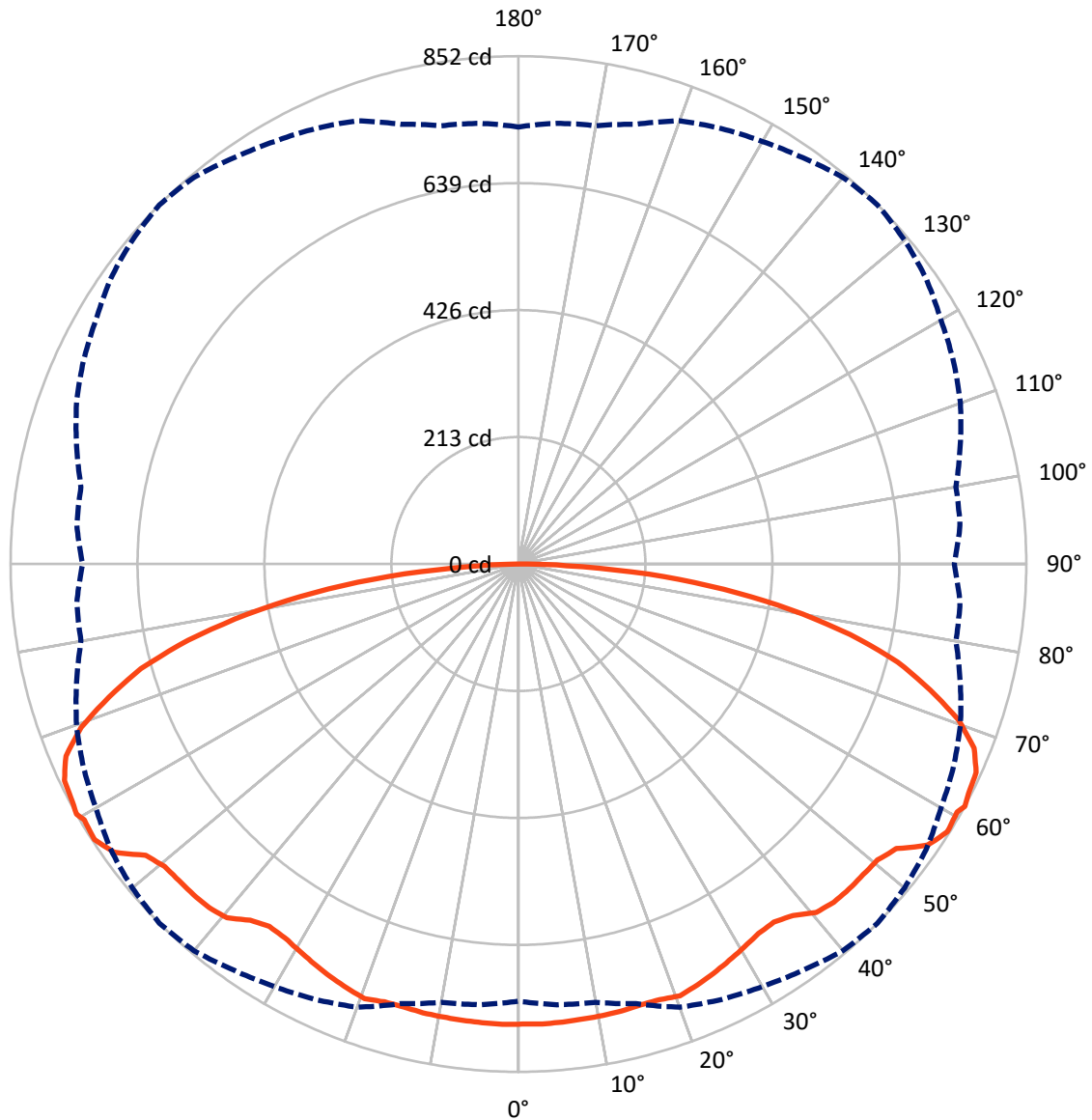
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.5	0.0	1991.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1991.5	0.0	1991.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3983.0	0.0	3983.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	1.8
10°-20°	217.6	5.5
20°-30°	350.2	8.8
30°-40°	463.9	11.6
40°-50°	585.8	14.7
50°-60°	702.0	17.6
60°-70°	767.5	19.3
70°-80°	614.4	15.4
80°-90°	207.9	5.2
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°	3983.0	100.0
0°-180°	3983.0	100.0



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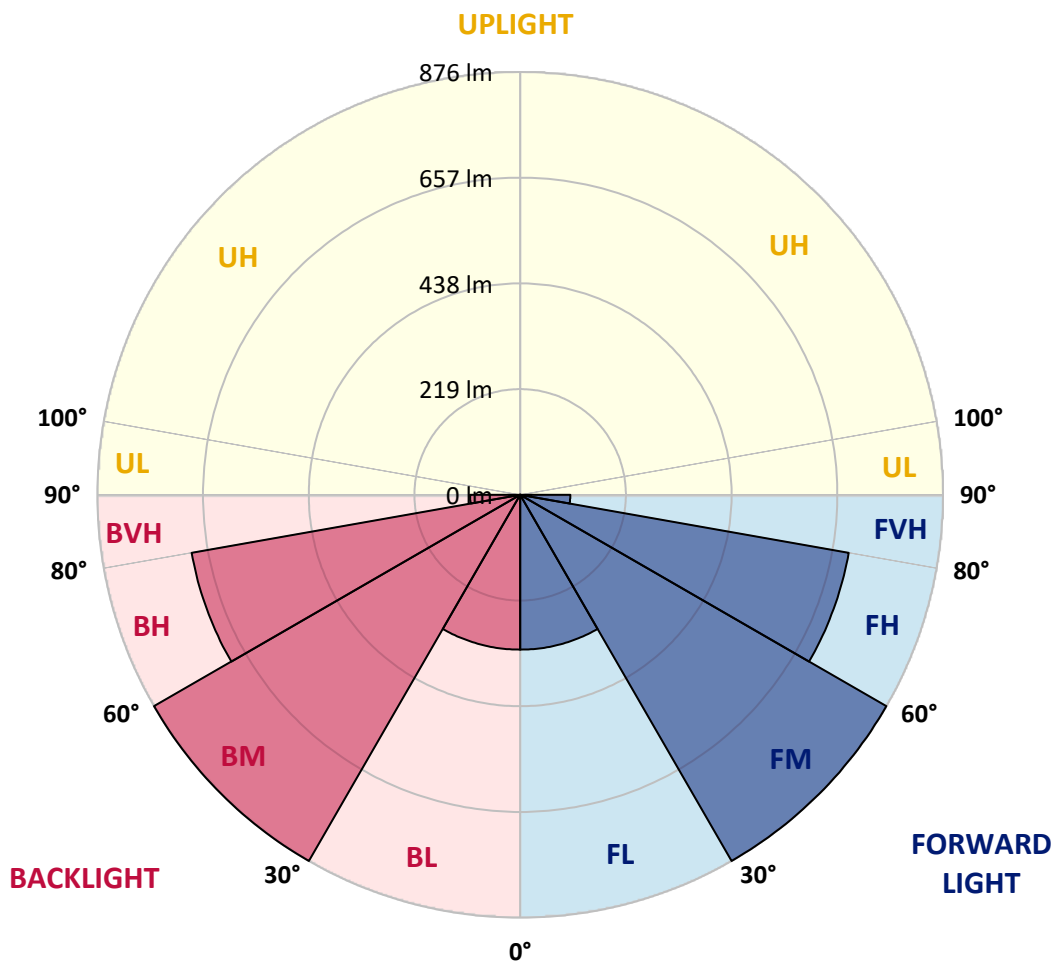
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.7	8.1			
FM (30°-60°)	875.9	22.0			
FH (60°-80°)	691.0	17.3			G1/1800
FVH (80°-90°)	103.9	2.6			G2/225
BL (0°-30°)	320.7	8.1	B1/500		
BM (30°-60°)	875.9	22.0	B1/1000		
BH (60°-80°)	691.0	17.3	B2/1000		G1/1800
BVH (80°-90°)	103.9	2.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
2.5°	772.5	771.7	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5
5°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
7.5°	770.9	770.9	770.9	770.9	770.9	770.9	770.9	770.9	771.7	770.9	771.7
10°	769.5	769.5	769.5	769.5	770.2	770.2	770.2	770.2	770.2	770.2	770.2
12.5°	768.0	768.0	768.0	768.0	768.7	768.7	768.7	768.7	769.5	769.5	768.7
15°	766.5	765.8	765.8	766.5	766.5	767.2	767.2	767.2	768.0	767.2	767.2
17.5°	765.0	764.3	765.0	765.8	765.8	766.5	767.2	767.2	768.0	768.0	768.0
20°	767.2	766.5	767.2	768.0	768.7	770.2	770.9	771.7	772.5	773.1	773.1
22.5°	762.8	762.1	762.8	762.8	763.5	764.3	765.8	766.5	767.2	767.2	767.2
25°	756.1	756.1	756.8	756.8	757.6	758.3	759.1	759.8	759.8	760.5	759.8
27.5°	748.7	748.7	749.5	749.5	750.9	750.9	751.7	752.4	753.1	753.1	753.1
30°	739.7	739.7	740.5	741.3	742.8	743.5	744.2	745.0	745.7	745.7	745.7
32.5°	731.6	730.9	731.6	733.1	735.3	736.8	738.3	739.1	739.1	739.1	739.7
35°	724.9	725.7	727.1	728.7	731.6	733.1	734.6	736.8	737.5	737.5	737.5
37.5°	726.4	727.1	729.4	732.4	736.1	740.5	743.5	746.4	748.7	747.9	747.2
40°	736.1	737.5	741.3	745.7	751.7	757.6	762.1	765.8	768.0	768.7	768.0
42.5°	737.5	739.1	742.0	748.7	755.4	762.1	768.0	771.7	774.7	775.4	774.7
45°	736.8	736.8	741.3	748.7	755.4	762.1	769.5	774.7	777.6	777.6	777.6
47.5°	731.6	733.8	736.8	744.2	753.1	759.8	767.2	772.5	776.1	778.4	776.1
50°	731.6	731.6	736.8	742.0	750.1	762.1	772.5	777.6	781.3	780.6	781.3
52.5°	730.1	734.6	737.5	745.0	759.8	771.7	779.8	787.2	792.5	793.2	791.7
55°	743.5	744.2	750.9	765.0	779.1	792.5	807.3	818.4	827.3	832.6	825.1
57.5°	753.9	750.1	763.5	775.4	791.7	811.8	834.0	842.9	849.6	848.1	850.3
60°	739.7	745.0	754.6	767.2	793.2	813.2	825.1	834.8	842.9	845.2	842.2
61°	733.1	742.0	746.4	763.5	791.0	805.8	818.4	831.8	846.6	851.8	845.2
62.5°	722.0	736.1	734.6	762.1	779.1	796.1	819.9	835.5	845.9	847.4	845.9
65°	722.7	720.5	737.5	757.6	774.7	805.1	825.1	834.8	840.7	843.6	842.2
67.5°	699.0	691.5	712.3	726.4	755.4	779.1	798.4	812.5	821.4	824.4	820.6
70°	644.0	649.3	664.1	685.6	709.4	738.3	756.1	774.7	782.1	782.8	782.8
72.5°	591.4	594.3	609.2	629.2	656.6	681.9	699.7	714.5	721.2	722.0	723.4
75°	521.6	524.6	541.7	560.2	587.6	609.2	621.8	639.6	649.3	657.4	650.7
77.5°	440.7	446.0	459.3	479.3	504.5	516.5	538.7	559.5	566.2	568.4	566.2
80°	349.5	356.2	368.0	394.7	405.9	425.2	446.7	455.6	461.5	463.0	463.7
82.5°	251.5	256.7	269.3	287.9	300.5	316.1	330.9	342.1	348.7	347.3	346.5
85°	148.4	149.9	163.2	175.8	185.5	195.1	207.0	215.2	216.7	219.6	218.9
87.5°	44.5	45.2	51.2	57.9	62.3	66.8	74.2	83.9	86.1	80.1	80.9
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°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
2.5°	772.5	772.5	772.5	772.5	772.5	772.5	771.7	772.5
5°	771.7	771.7	771.7	771.7	771.7	771.7	771.7	771.7
7.5°	771.7	770.9	770.9	770.9	770.9	770.9	770.9	770.9
10°	770.2	770.2	770.2	770.2	769.5	769.5	769.5	769.5
12.5°	768.7	768.7	768.7	768.7	768.0	768.0	768.0	768.0
15°	767.2	767.2	767.2	767.2	766.5	766.5	766.5	766.5
17.5°	768.0	767.2	766.5	766.5	765.8	765.0	765.0	765.0
20°	772.5	771.7	770.2	768.7	768.0	767.2	767.2	767.2
22.5°	766.5	765.8	764.3	763.5	763.5	762.8	762.1	762.1
25°	759.8	758.3	758.3	757.6	757.6	756.1	756.1	755.4
27.5°	752.4	751.7	750.9	750.1	750.1	749.5	748.7	747.9
30°	745.7	744.2	742.8	742.0	741.3	740.5	740.5	740.5
32.5°	739.1	737.5	736.8	734.6	733.1	732.4	731.6	731.6
35°	736.8	734.6	733.1	730.9	728.7	727.1	726.4	724.9
37.5°	745.7	742.8	740.5	736.8	731.6	729.4	727.1	726.4
40°	765.0	762.1	757.6	751.7	745.7	741.3	737.5	736.1
42.5°	771.7	768.0	762.1	756.1	748.7	742.0	739.1	737.5
45°	773.9	770.2	762.1	754.6	747.9	742.0	737.5	736.1
47.5°	771.7	766.5	759.1	753.1	743.5	736.1	733.1	730.9
50°	776.9	772.5	762.8	749.5	741.3	736.8	731.6	730.9
52.5°	787.2	779.1	770.2	760.5	745.0	736.1	733.1	729.4
55°	818.4	807.3	791.7	776.1	766.5	752.4	743.5	743.5
57.5°	842.2	833.2	813.2	792.5	774.7	764.3	750.9	751.7
60°	835.5	823.6	814.0	793.2	768.0	753.9	748.7	739.1
61°	834.8	818.4	805.1	788.8	767.2	745.0	743.5	730.9
62.5°	836.2	821.4	796.1	779.1	762.8	733.8	733.1	721.2
65°	834.8	820.6	808.0	776.1	753.9	742.0	716.7	726.4
67.5°	811.8	799.2	776.1	758.3	724.2	709.4	695.3	695.3
70°	775.4	756.8	734.6	712.3	689.3	664.1	651.5	644.0
72.5°	714.5	699.0	681.1	657.4	629.2	606.2	594.3	589.2
75°	638.1	621.0	605.5	587.6	558.0	538.7	526.1	522.4
77.5°	558.0	543.2	515.7	498.6	478.6	456.4	445.2	440.7
80°	455.6	447.4	428.1	400.6	391.0	363.6	356.2	349.5
82.5°	342.1	333.2	315.3	296.1	284.2	268.6	255.2	253.8
85°	215.2	209.2	198.1	184.0	169.2	160.3	148.4	151.3
87.5°	80.1	76.4	69.7	60.9	54.2	48.2	42.3	44.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)