

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: P285874

Luminaire Tested: **PRV-XL-C175-D-UNV-T5-BZ**

Issue Date: 2/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P285874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-11)  
Test Lab: INNOVATIONS CENTER(G2)  
Issue Date: 2/13/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-XL-C175-D-UNV-T5-BZ  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(6) 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: 52349 lumens  
Efficiency: N/A  
Efficacy: 151.3 lumens/watt  
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

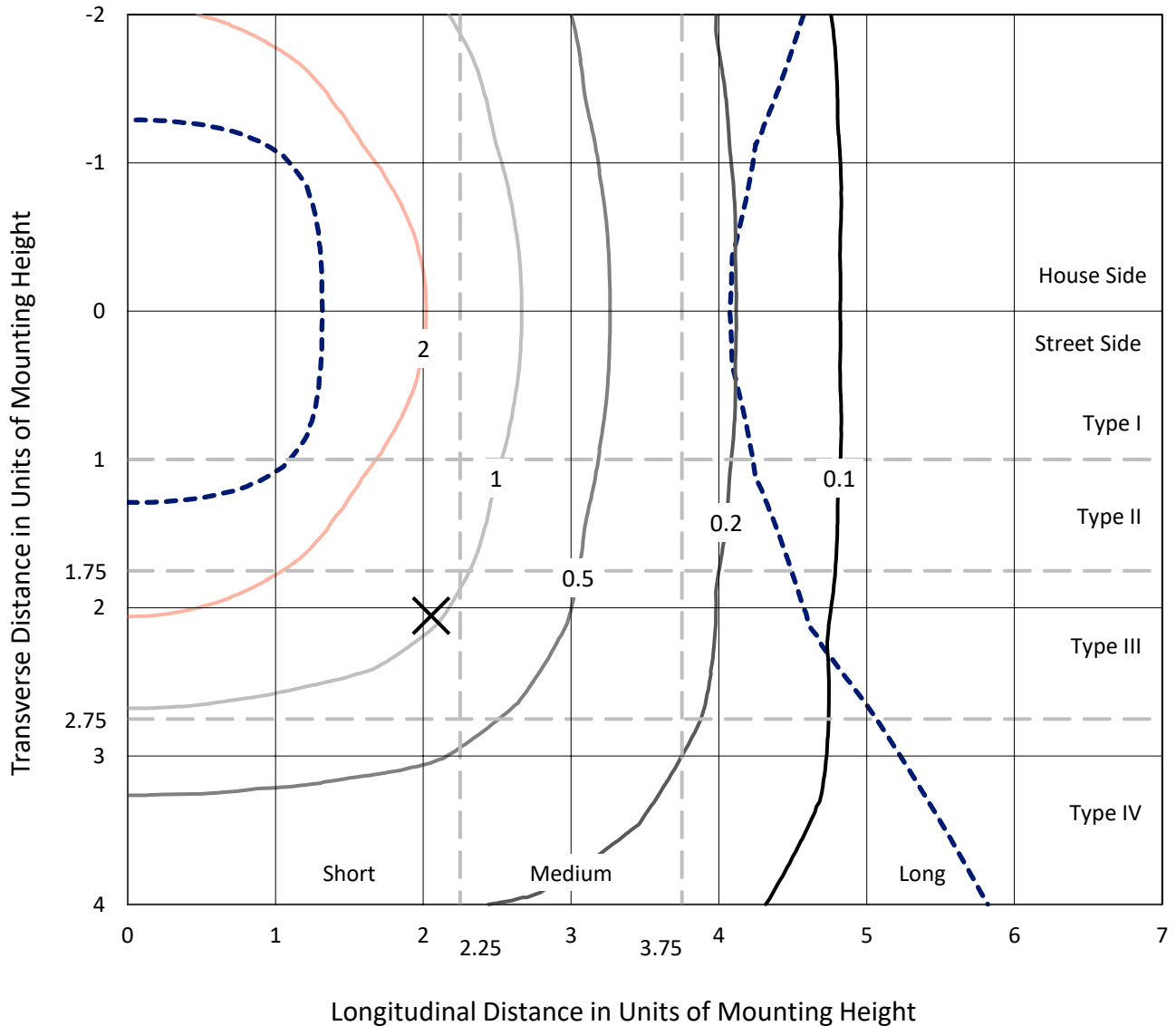
Input Watts (W): 346  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P285874  
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ

### Iso-Footcandle Lines of Horizontal Illumination

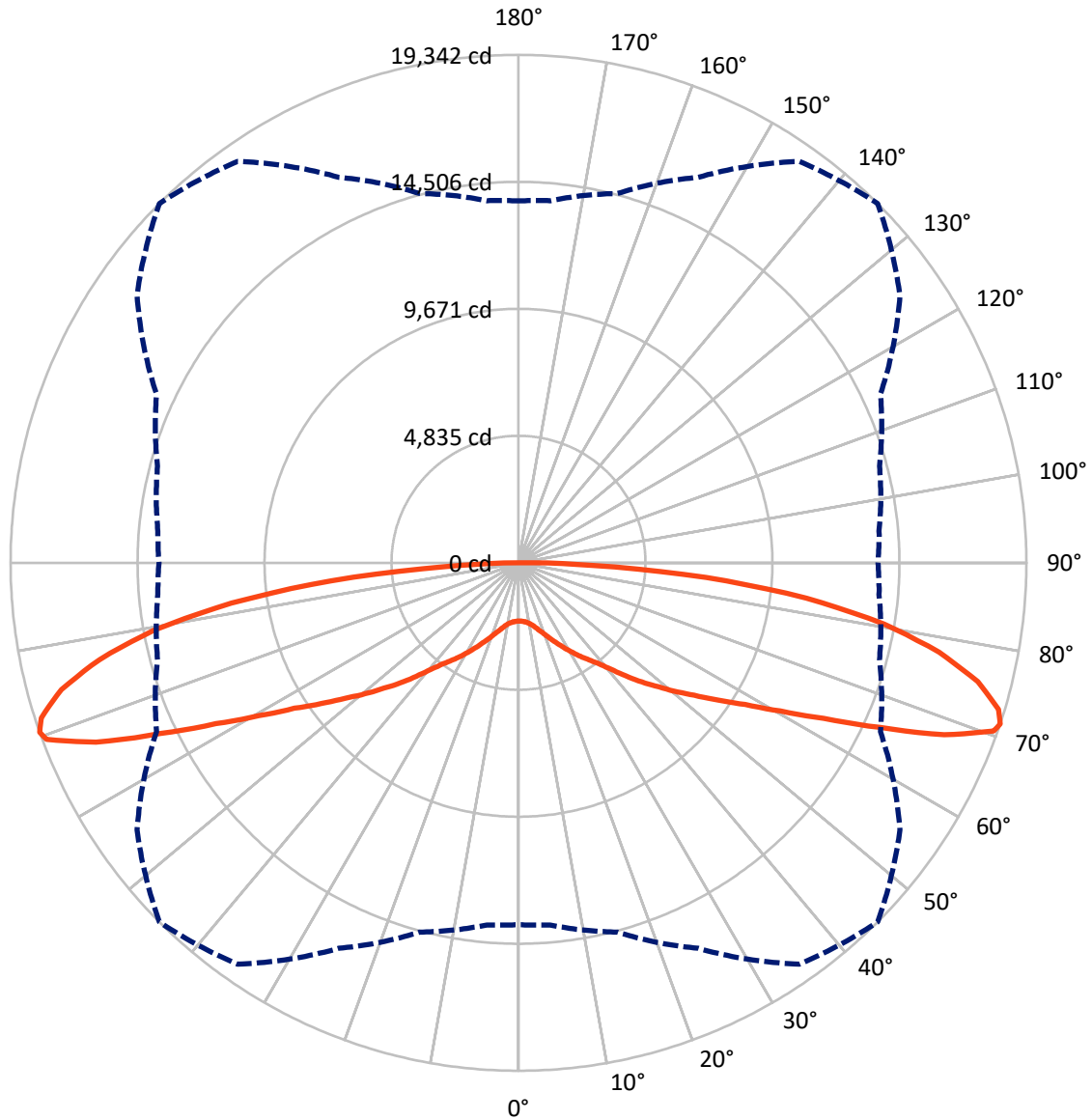
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P285874  
CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P285874  
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ

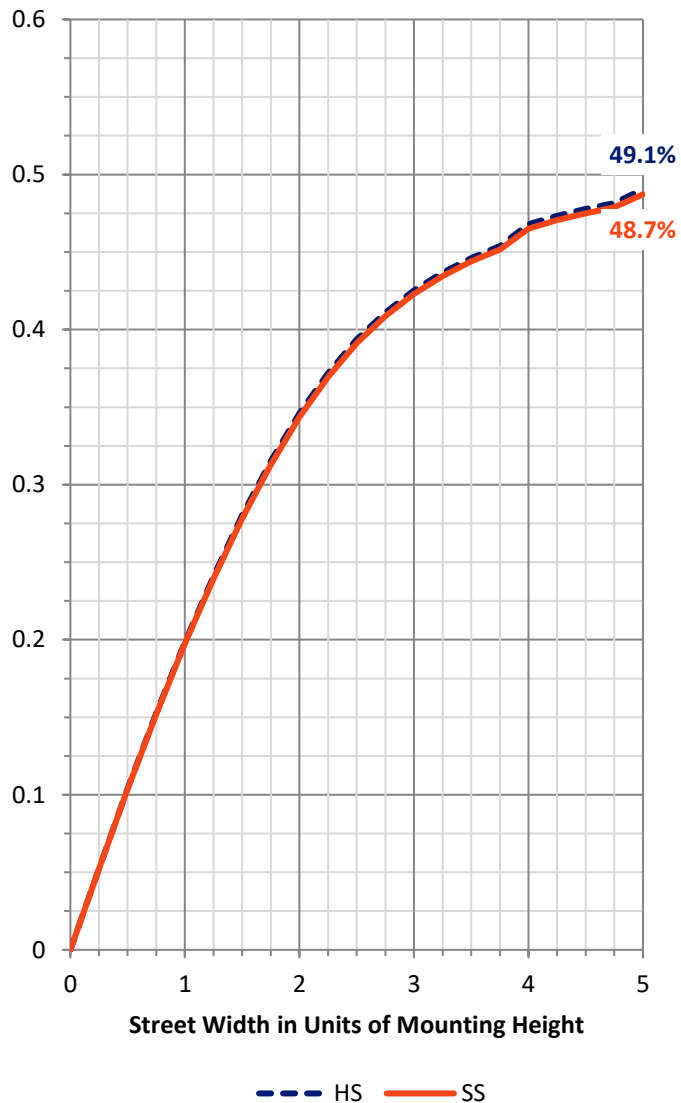
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26174.5	0.0	26174.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26174.5	0.0	26174.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52349.0	0.0	52349.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.2	0.4
10°-20°	732.3	1.4
20°-30°	1540.0	2.9
30°-40°	2836.3	5.4
40°-50°	5207.5	9.9
50°-60°	9076.2	17.3
60°-70°	14666.8	28.0
70°-80°	14132.5	27.0
80°-90°	3940.1	7.5
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°	52349.0	100.0
0°-180°	52349.0	100.0

**Coefficient of Utilization**

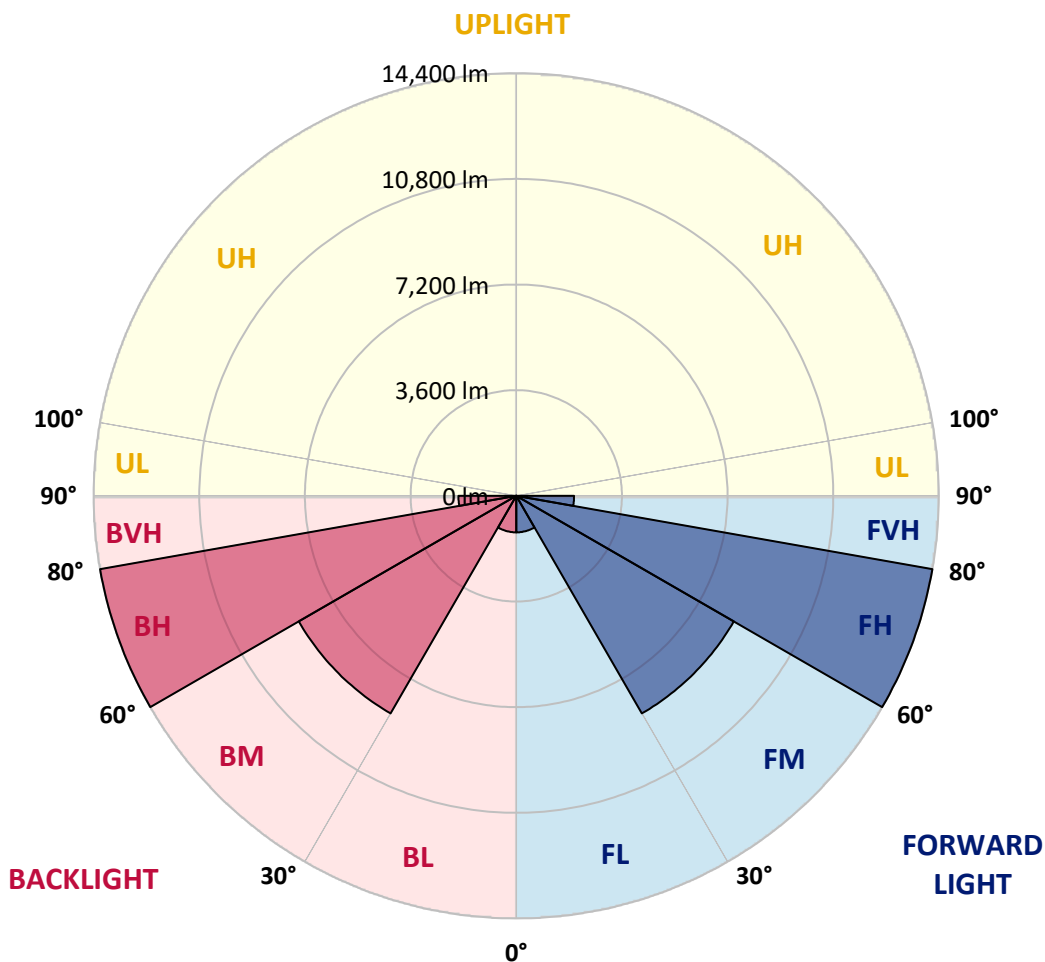


REPORT NUMBER: P285874  
 CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1244.8	2.4			
FM (30°-60°)	8560.0	16.4			
FH (60°-80°)	14399.7	27.5			G5
FVH (80°-90°)	1970.1	3.8			G5
BL (0°-30°)	1244.8	2.4	B3/2500		
BM (30°-60°)	8560.0	16.4	B5		
BH (60°-80°)	14399.7	27.5	B5		G5
BVH (80°-90°)	1970.1	3.8			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





REPORT NUMBER: P285874

CATALOG NUMBER: PRV-XL-C175-D-UNV-T5-BZ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6	2214.6
2.5°	2224.0	2235.1	2229.5	2225.8	2227.7	2225.8	2222.1	2218.4	2214.6	2212.8	2212.8
5°	2240.7	2248.1	2246.3	2244.4	2246.3	2250.0	2248.1	2246.3	2240.7	2237.0	2237.0
7.5°	2281.6	2283.5	2285.4	2283.5	2283.5	2289.1	2285.4	2283.5	2272.3	2270.5	2266.8
10°	2344.9	2343.1	2348.6	2350.5	2350.5	2354.2	2343.1	2335.6	2315.1	2313.3	2309.6
12.5°	2419.4	2419.4	2426.8	2436.1	2443.6	2451.0	2430.5	2413.8	2385.9	2374.7	2376.6
15°	2521.7	2519.9	2529.2	2549.6	2570.1	2585.0	2555.2	2527.3	2490.1	2475.2	2478.9
17.5°	2655.7	2653.9	2668.7	2692.9	2726.4	2748.8	2707.8	2666.9	2633.4	2614.8	2614.8
20°	2819.5	2821.3	2832.5	2864.2	2907.0	2934.9	2882.8	2828.8	2804.6	2787.9	2784.1
22.5°	3011.2	3026.1	3020.5	3057.7	3115.4	3147.0	3085.6	3026.1	3003.7	2992.6	2988.8
25°	3238.2	3253.1	3238.2	3275.4	3348.0	3379.7	3316.4	3251.3	3240.1	3232.6	3228.9
27.5°	3491.3	3493.2	3489.5	3509.9	3608.6	3640.2	3556.5	3498.8	3504.4	3500.6	3495.0
30°	3766.8	3764.9	3761.2	3755.6	3880.3	3919.4	3826.3	3779.8	3798.4	3787.2	3787.2
32.5°	4073.8	4068.3	4047.8	4060.8	4135.2	4211.6	4101.8	4073.8	4127.8	4120.4	4127.8
35°	4410.7	4408.8	4369.7	4382.8	4434.9	4503.7	4420.0	4407.0	4488.8	4507.5	4518.6
37.5°	4794.1	4795.9	4742.0	4734.5	4777.3	4827.6	4795.9	4829.4	4950.4	5013.7	4996.9
40°	5291.0	5283.5	5210.9	5151.4	5196.0	5261.2	5294.7	5387.7	5573.8	5668.8	5678.1
42.5°	5962.8	5944.2	5860.4	5745.1	5767.4	5810.2	5910.7	6072.6	6295.9	6385.3	6359.2
45°	6759.3	6725.8	6603.0	6470.9	6400.1	6415.0	6509.9	6710.9	6978.9	7098.0	7118.5
47.5°	7660.1	7621.0	7436.7	7187.4	7016.2	6997.5	7092.5	7362.3	7688.0	7833.2	7825.7
50°	8674.3	8626.0	8430.5	8047.2	7728.9	7675.0	7740.1	8075.1	8456.6	8652.0	8640.8
52.5°	9781.7	9712.8	9498.8	9003.8	8581.3	8371.0	8465.9	8867.9	9256.9	9508.1	9517.4
55°	10909.5	10894.6	10619.1	10120.4	9543.5	9232.7	9297.8	9729.6	10209.7	10464.7	10453.5
57.5°	12046.6	12007.5	11789.7	11266.8	10689.9	10170.6	10241.3	10714.1	11205.4	11473.4	11464.1
60°	13157.6	13103.6	12934.3	12543.5	12057.7	11456.6	11411.9	11864.2	12295.9	12545.3	12523.0
62.5°	14311.5	14309.6	14171.9	13866.7	13608.0	13045.9	12828.2	13142.7	13524.2	13758.7	13745.7
65°	15346.2	15353.6	15372.3	15381.6	15407.6	15109.9	14620.4	14577.6	14860.5	15000.0	14961.0
67.5°	15364.8	15433.7	15759.4	16431.2	17359.9	17479.0	16522.4	15647.7	15323.9	15156.4	15135.9
70°	14345.0	14428.7	15050.3	16418.2	18530.5	19189.3	17592.5	15487.6	14679.9	14253.8	14171.9
71°	13779.2	13840.6	14557.1	16196.7	18657.0	19341.9	17732.1	15206.6	14229.6	13782.9	13689.9
72.5°	12776.1	12831.9	13743.8	15606.8	18480.2	19109.2	17594.4	14666.9	13434.9	12887.8	12781.7
75°	10818.3	10965.3	11854.9	14164.4	17428.7	18065.2	16656.4	13235.8	11696.7	10892.7	10814.6
77.5°	8058.3	8313.3	9392.7	11951.7	15526.7	16371.6	14920.0	11138.4	9353.6	8469.6	8372.9
80°	4550.3	4808.9	6286.6	9061.4	13010.6	14119.8	12390.9	8452.9	6647.7	5525.5	5402.6
82.5°	1684.2	1630.3	3020.5	5706.0	9690.5	11041.6	9068.9	5510.6	3658.8	2536.6	2458.4
85°	372.2	558.3	1332.5	2875.3	6115.4	7170.6	5350.5	2778.5	1418.1	731.4	683.0
87.5°	102.4	182.4	457.8	1206.0	2464.0	2793.4	2017.4	753.7	227.0	89.3	89.3
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)