

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: P285876

Luminaire Tested: **PRV-XL-C100-D-UNV-T5-BZ-7050**

Issue Date: 2/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P285876  
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-C100-D-UNV-T5-BZ-7050  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34057 lumens  
Efficiency: N/A  
Efficacy: 156.9 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

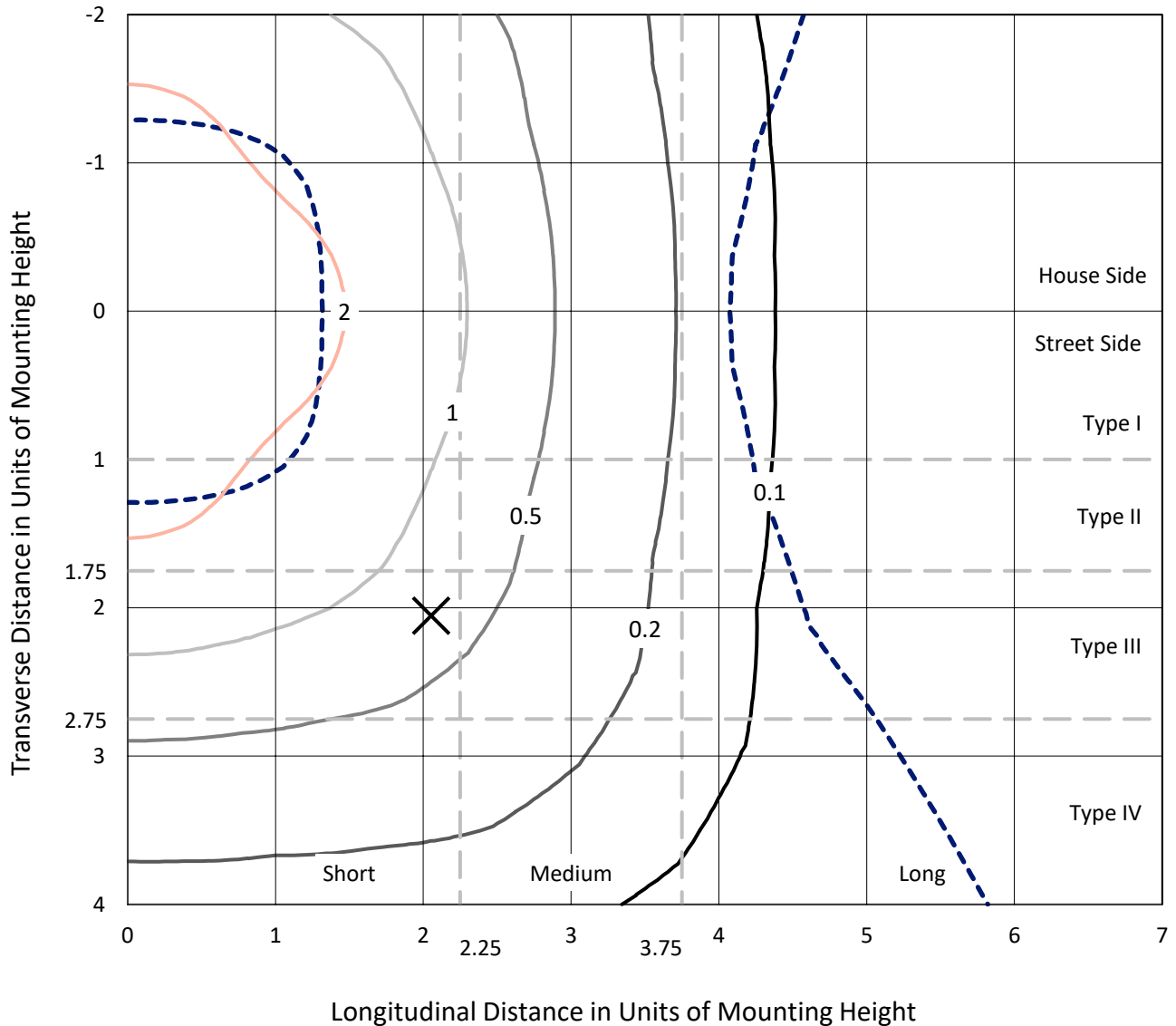
Input Watts (W): 217  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

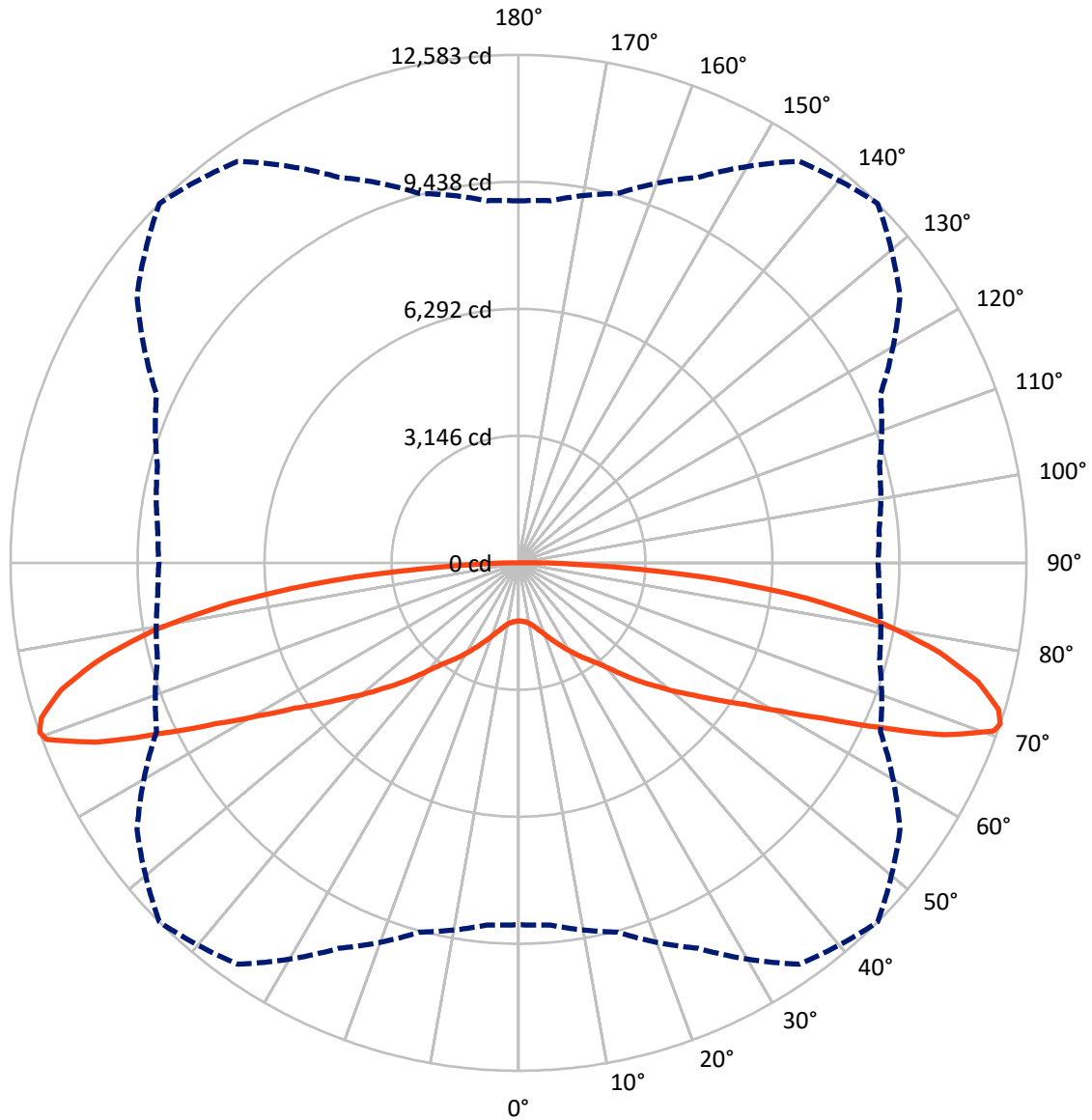
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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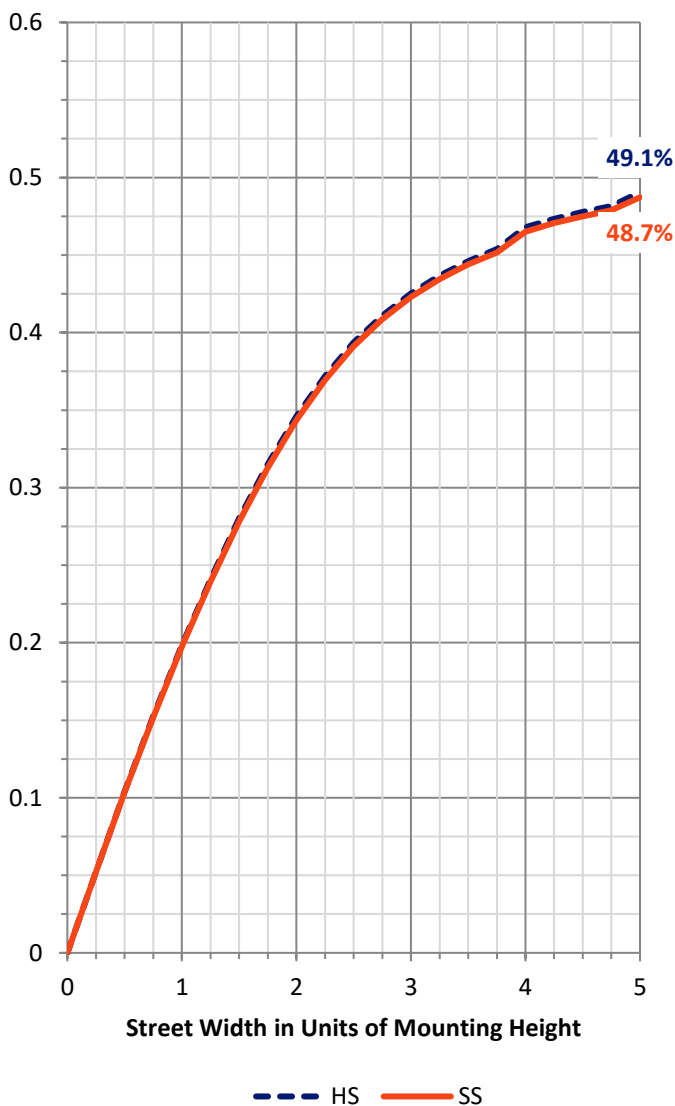
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17028.5	0.0	17028.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17028.5	0.0	17028.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34057.0	0.0	34057.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.3	0.4
10°-20°	476.4	1.4
20°-30°	1001.9	2.9
30°-40°	1845.2	5.4
40°-50°	3387.9	9.9
50°-60°	5904.7	17.3
60°-70°	9541.9	28.0
70°-80°	9194.3	27.0
80°-90°	2563.3	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°	34057.0	100.0
0°-180°	34057.0	100.0

**Coefficient of Utilization**

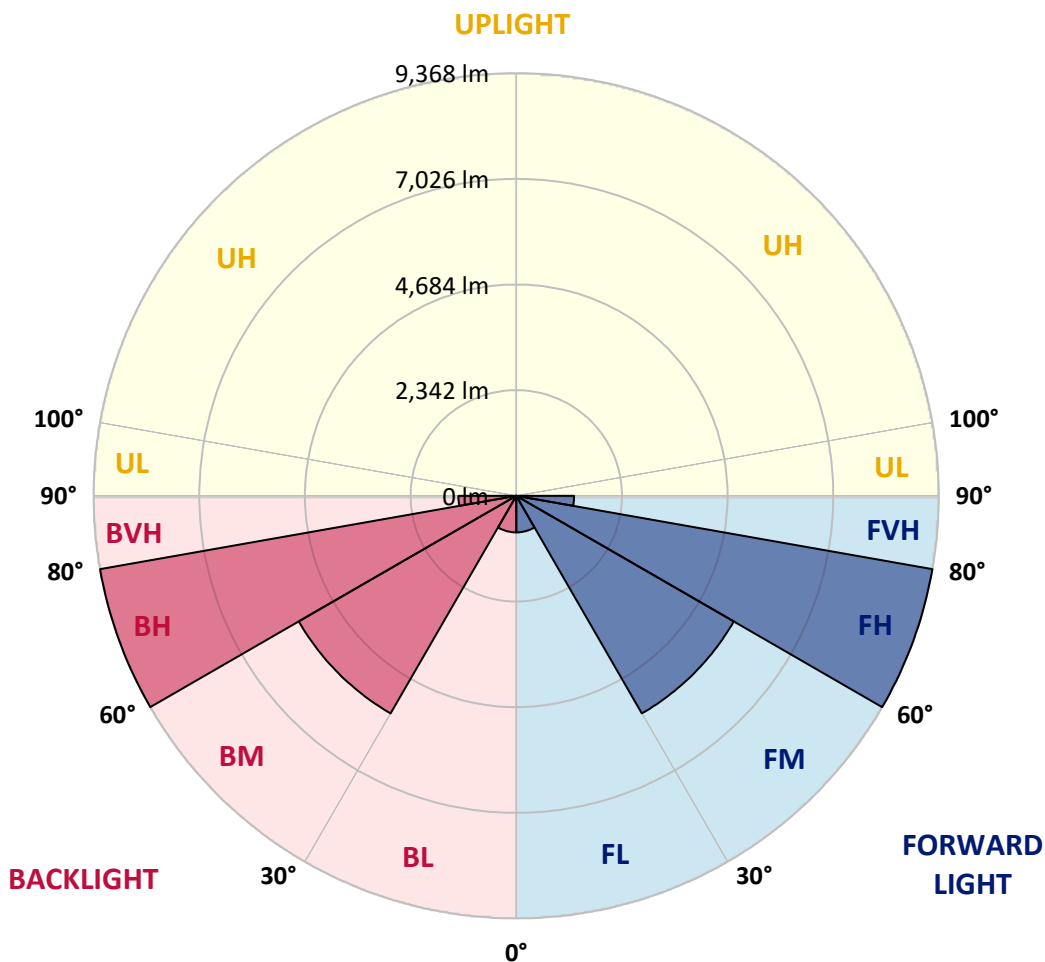


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.8	2.4			
FM (30°-60°)	5568.9	16.4			
FH (60°-80°)	9368.1	27.5			G4/12000
FVH (80°-90°)	1281.7	3.8			G5
BL (0°-30°)	809.8	2.4	B2/1000		
BM (30°-60°)	5568.9	16.4	B4/8500		
BH (60°-80°)	9368.1	27.5	B5		G4/12000
BVH (80°-90°)	1281.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8
2.5°	1446.9	1454.1	1450.5	1448.1	1449.3	1448.1	1445.6	1443.2	1440.8	1439.6	1439.6
5°	1457.7	1462.6	1461.4	1460.2	1461.4	1463.8	1462.6	1461.4	1457.7	1455.3	1455.3
7.5°	1484.4	1485.6	1486.8	1485.6	1485.6	1489.2	1486.8	1485.6	1478.3	1477.1	1474.7
10°	1525.5	1524.3	1528.0	1529.2	1529.2	1531.6	1524.3	1519.5	1506.2	1505.0	1502.5
12.5°	1574.0	1574.0	1578.8	1584.9	1589.7	1594.6	1581.2	1570.3	1552.2	1544.9	1546.1
15°	1640.6	1639.4	1645.4	1658.7	1672.1	1681.7	1662.4	1644.2	1620.0	1610.3	1612.7
17.5°	1727.7	1726.5	1736.2	1752.0	1773.8	1788.3	1761.6	1735.0	1713.2	1701.1	1701.1
20°	1834.3	1835.5	1842.8	1863.3	1891.2	1909.4	1875.5	1840.3	1824.6	1813.7	1811.3
22.5°	1959.0	1968.7	1965.1	1989.3	2026.8	2047.4	2007.4	1968.7	1954.2	1946.9	1944.5
25°	2106.7	2116.4	2106.7	2130.9	2178.1	2198.7	2157.6	2115.2	2107.9	2103.1	2100.7
27.5°	2271.4	2272.6	2270.2	2283.5	2347.7	2368.2	2313.7	2276.2	2279.8	2277.4	2273.8
30°	2450.6	2449.4	2446.9	2443.3	2524.4	2549.8	2489.3	2459.0	2471.1	2463.9	2463.9
32.5°	2650.3	2646.7	2633.4	2641.9	2690.3	2739.9	2668.5	2650.3	2685.5	2680.6	2685.5
35°	2869.5	2868.3	2842.8	2851.3	2885.2	2930.0	2875.5	2867.1	2920.3	2932.4	2939.7
37.5°	3118.9	3120.1	3085.0	3080.2	3108.0	3140.7	3120.1	3141.9	3220.6	3261.8	3250.9
40°	3442.2	3437.3	3390.1	3351.4	3380.4	3422.8	3444.6	3505.1	3626.2	3688.0	3694.0
42.5°	3879.3	3867.1	3812.7	3737.6	3752.1	3780.0	3845.4	3950.7	4096.0	4154.1	4137.1
45°	4397.5	4375.7	4295.8	4209.8	4163.8	4173.5	4235.2	4366.0	4540.3	4617.8	4631.1
47.5°	4983.5	4958.0	4838.2	4675.9	4564.5	4552.4	4614.2	4789.7	5001.6	5096.1	5091.2
50°	5643.3	5611.8	5484.7	5235.3	5028.3	4993.1	5035.5	5253.5	5501.7	5628.8	5621.5
52.5°	6363.7	6318.9	6179.7	5857.6	5582.8	5446.0	5507.7	5769.2	6022.3	6185.7	6191.8
55°	7097.4	7087.7	6908.6	6584.1	6208.7	6006.5	6048.9	6329.8	6642.2	6808.1	6800.8
57.5°	7837.2	7811.8	7670.1	7329.9	6954.6	6616.8	6662.8	6970.3	7289.9	7464.3	7458.2
60°	8560.0	8524.9	8414.7	8160.5	7844.5	7453.4	7424.3	7718.6	7999.4	8161.7	8147.2
62.5°	9310.7	9309.5	9219.9	9021.3	8853.0	8487.4	8345.7	8550.3	8798.5	8951.1	8942.6
65°	9983.9	9988.7	10000.8	10006.9	10023.8	9830.1	9511.7	9483.8	9667.9	9758.7	9733.2
67.5°	9996.0	10040.8	10252.7	10689.7	11293.9	11371.4	10749.1	10180.0	9969.3	9860.4	9847.1
70°	9332.5	9387.0	9791.4	10681.3	12055.5	12484.1	11445.3	10075.9	9550.4	9273.2	9219.9
71°	8964.4	9004.4	9470.5	10537.2	12137.8	12583.4	11536.1	9893.1	9257.4	8966.8	8906.3
72.5°	8311.8	8348.1	8941.4	10153.4	12022.8	12432.0	11446.5	9541.9	8740.4	8384.5	8315.5
75°	7038.1	7133.8	7712.5	9215.0	11338.7	11752.8	10836.2	8610.9	7609.6	7086.5	7035.7
77.5°	5242.6	5408.4	6110.7	7775.5	10101.3	10651.0	9706.6	7246.4	6085.2	5510.1	5447.2
80°	2960.3	3128.6	4089.9	5895.2	8464.4	9186.0	8061.2	5499.2	4324.8	3594.7	3514.8
82.5°	1095.7	1060.6	1965.1	3712.2	6304.4	7183.4	5900.0	3585.0	2380.3	1650.3	1599.4
85°	242.2	363.2	866.9	1870.6	3978.5	4665.0	3480.9	1807.7	922.6	475.8	444.3
87.5°	66.6	118.7	297.8	784.6	1603.0	1817.3	1312.5	490.4	147.7	58.1	58.1
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)