

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: P285872

Luminaire Tested: **PRV-XL-C125-D-UNV-T5-BZ**

Issue Date: 2/13/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P285872  
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-C125-D-UNV-T5-BZ  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 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: 39097 lumens  
Efficiency: N/A  
Efficacy: 148.1 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

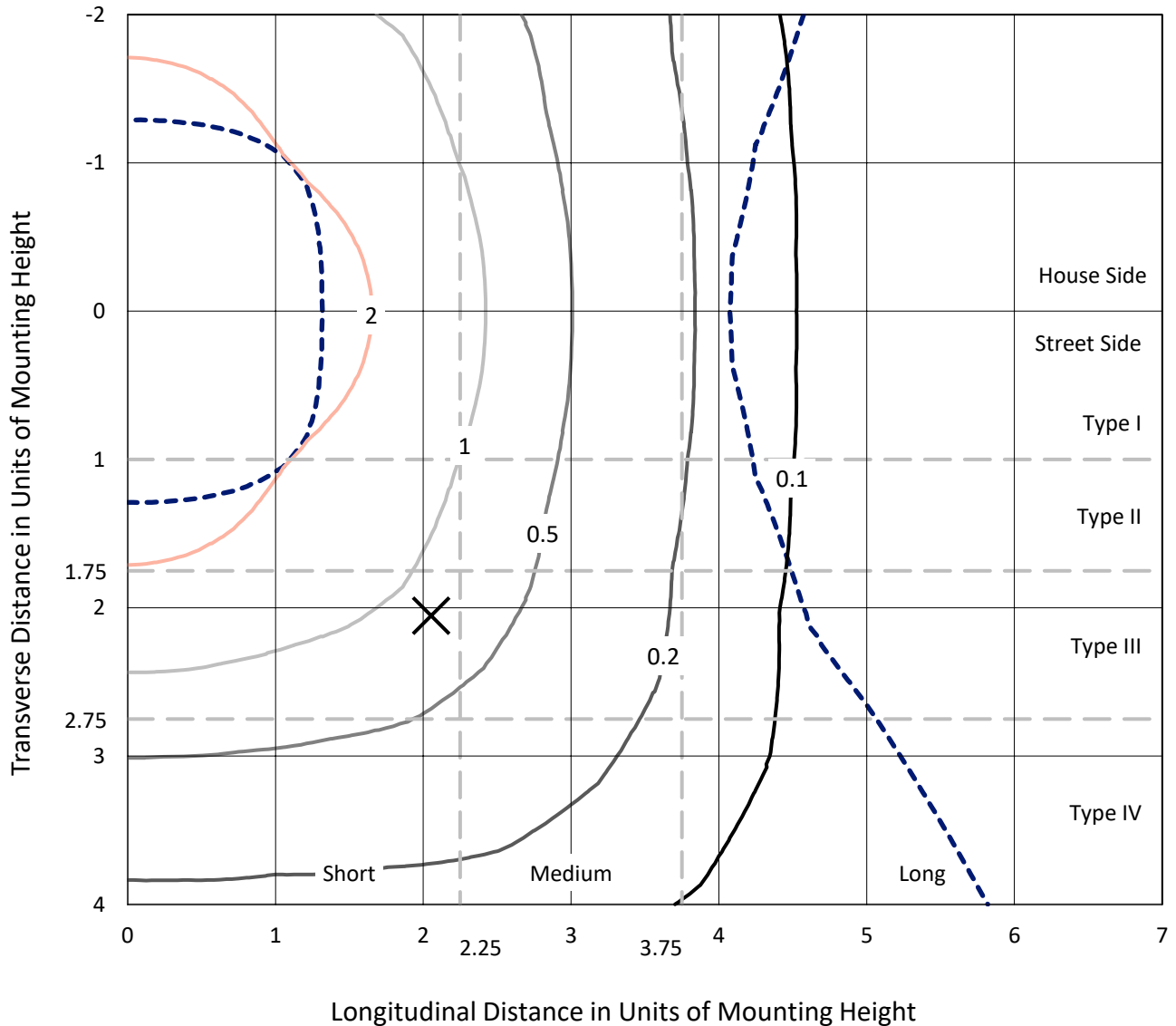
Input Watts (W): 264  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

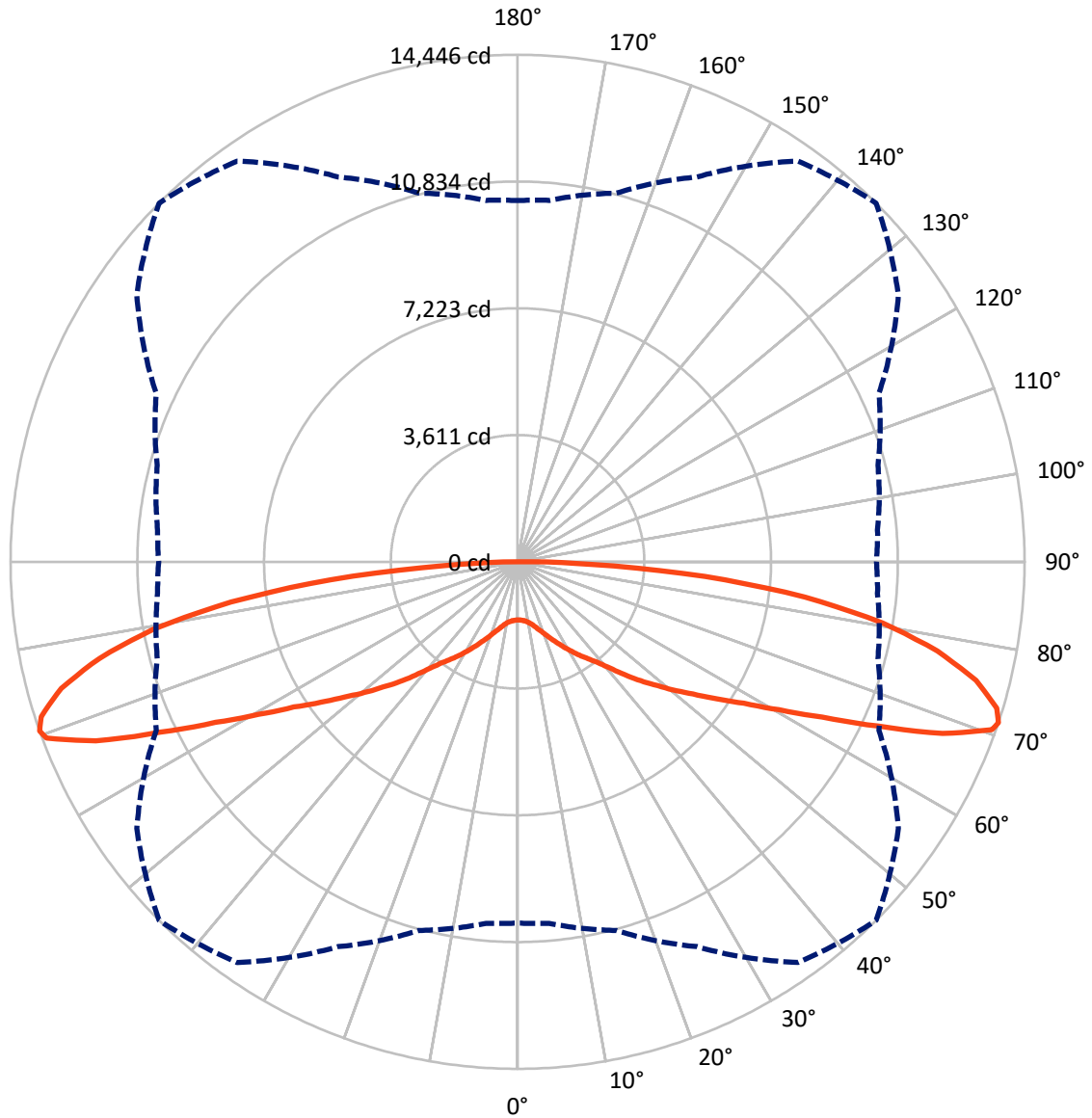
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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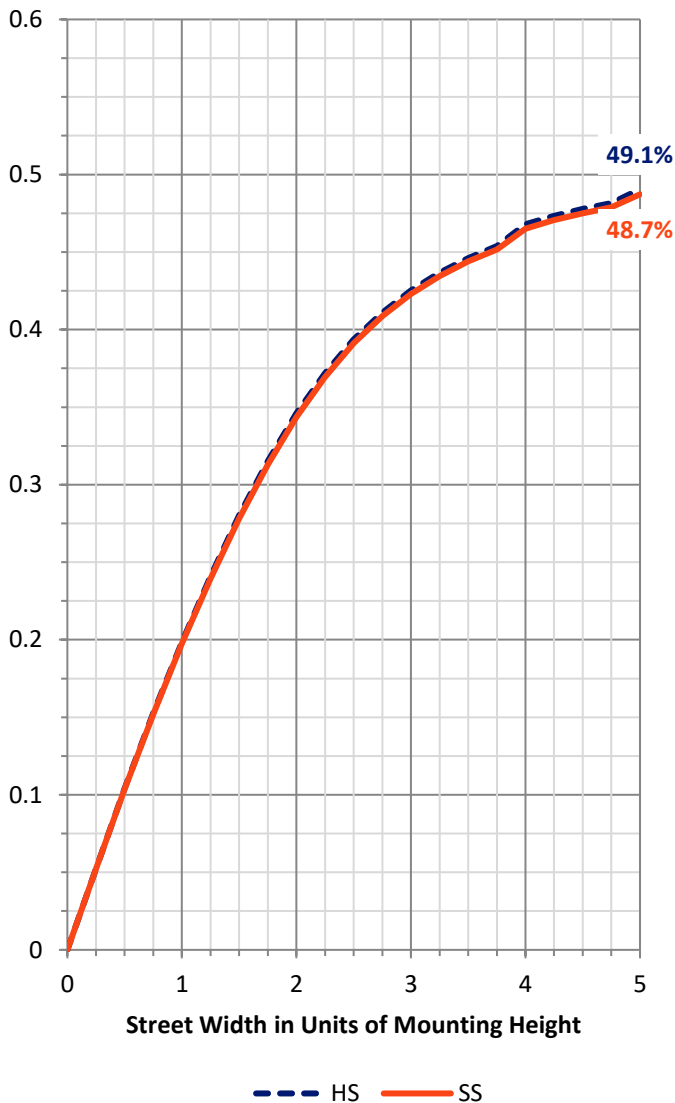
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19548.5	0.0	19548.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19548.5	0.0	19548.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39097.0	0.0	39097.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.2	0.4
10°-20°	546.9	1.4
20°-30°	1150.2	2.9
30°-40°	2118.3	5.4
40°-50°	3889.2	9.9
50°-60°	6778.6	17.3
60°-70°	10954.0	28.0
70°-80°	10554.9	27.0
80°-90°	2942.7	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°	39097.0	100.0
0°-180°	39097.0	100.0

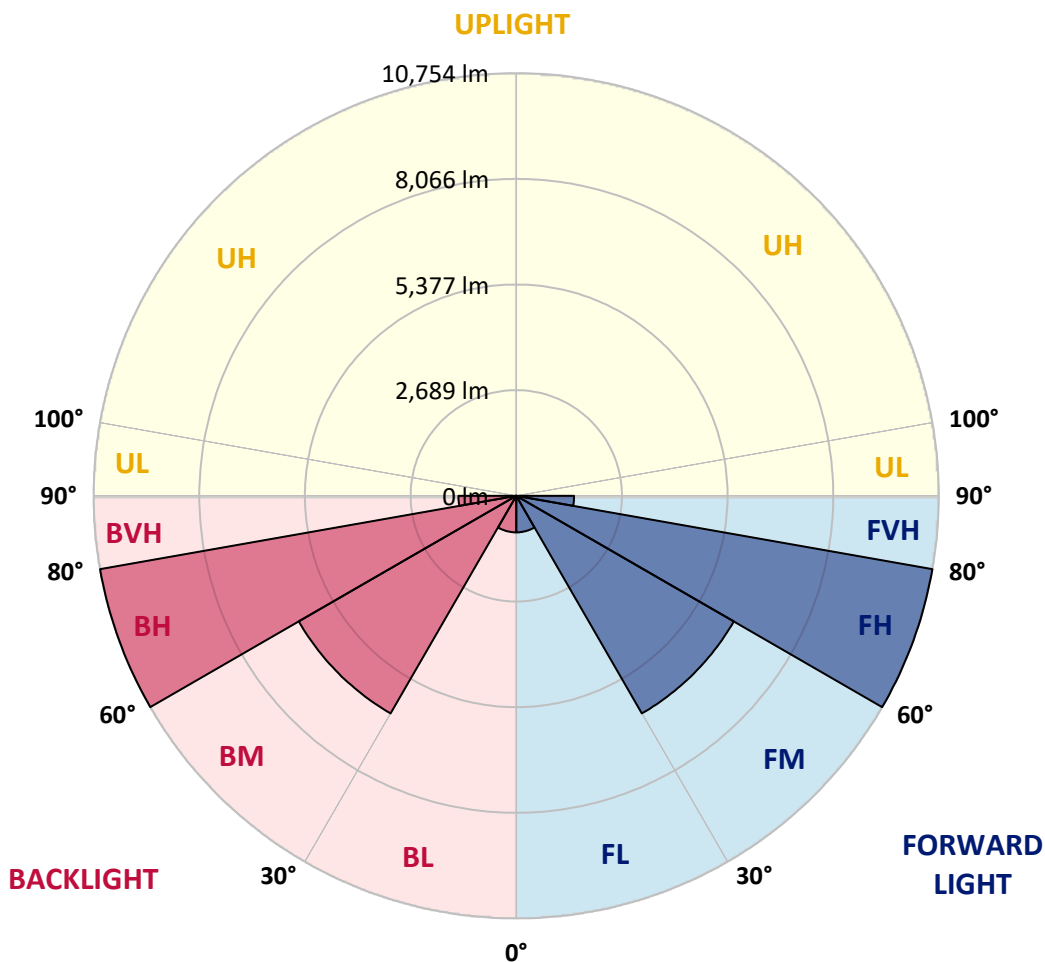


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.7	2.4			
FM (30°-60°)	6393.1	16.4			
FH (60°-80°)	10754.4	27.5			G4/12000
FVH (80°-90°)	1471.3	3.8			G5
BL (0°-30°)	929.7	2.4	B2/1000		
BM (30°-60°)	6393.1	16.4	B4/8500		
BH (60°-80°)	10754.4	27.5	B5		G4/12000
BVH (80°-90°)	1471.3	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°	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0	1654.0
2.5°	1661.0	1669.3	1665.1	1662.4	1663.7	1662.4	1659.6	1656.8	1654.0	1652.6	1652.6
5°	1673.5	1679.0	1677.6	1676.3	1677.6	1680.4	1679.0	1677.6	1673.5	1670.7	1670.7
7.5°	1704.1	1705.4	1706.8	1705.4	1705.4	1709.6	1706.8	1705.4	1697.1	1695.7	1692.9
10°	1751.3	1749.9	1754.1	1755.5	1755.5	1758.3	1749.9	1744.4	1729.1	1727.7	1724.9
12.5°	1806.9	1806.9	1812.5	1819.4	1825.0	1830.5	1815.2	1802.7	1781.9	1773.5	1774.9
15°	1883.4	1882.0	1888.9	1904.2	1919.5	1930.6	1908.4	1887.5	1859.7	1848.6	1851.4
17.5°	1983.4	1982.0	1993.2	2011.2	2036.2	2052.9	2022.3	1991.8	1966.7	1952.9	1952.9
20°	2105.7	2107.1	2115.5	2139.1	2171.1	2191.9	2153.0	2112.7	2094.6	2082.1	2079.3
22.5°	2248.9	2260.0	2255.9	2283.7	2326.7	2350.4	2304.5	2260.0	2243.3	2235.0	2232.2
25°	2418.5	2429.6	2418.5	2446.3	2500.5	2524.1	2476.9	2428.2	2419.9	2414.3	2411.5
27.5°	2607.5	2608.9	2606.1	2621.4	2695.1	2718.7	2656.2	2613.1	2617.2	2614.5	2610.3
30°	2813.2	2811.8	2809.0	2804.9	2898.0	2927.2	2857.7	2822.9	2836.8	2828.5	2828.5
32.5°	3042.6	3038.4	3023.1	3032.8	3088.4	3145.4	3063.4	3042.6	3082.9	3077.3	3082.9
35°	3294.1	3292.7	3263.6	3273.3	3312.2	3363.6	3301.1	3291.4	3352.5	3366.4	3374.7
37.5°	3580.5	3581.8	3541.5	3536.0	3567.9	3605.5	3581.8	3606.9	3697.2	3744.5	3732.0
40°	3951.6	3946.0	3891.8	3847.3	3880.7	3929.3	3954.3	4023.8	4162.8	4233.7	4240.7
42.5°	4453.3	4439.4	4376.9	4290.7	4307.4	4339.4	4414.4	4535.3	4702.1	4768.8	4749.4
45°	5048.2	5023.2	4931.5	4832.8	4780.0	4791.1	4862.0	5012.1	5212.2	5301.2	5316.5
47.5°	5720.9	5691.8	5554.2	5367.9	5240.0	5226.1	5297.0	5498.6	5741.8	5850.2	5844.7
50°	6478.5	6442.3	6296.4	6010.1	5772.4	5732.1	5780.7	6030.9	6315.8	6461.8	6453.4
52.5°	7305.5	7254.0	7094.2	6724.5	6409.0	6251.9	6322.8	6623.0	6913.5	7101.1	7108.1
55°	8147.8	8136.6	7930.9	7558.4	7127.6	6895.4	6944.1	7266.6	7625.2	7815.6	7807.2
57.5°	8997.0	8967.8	8805.2	8414.6	7983.8	7596.0	7648.8	8001.8	8368.8	8568.9	8562.0
60°	9826.8	9786.5	9660.0	9368.1	9005.4	8556.4	8523.0	8860.8	9183.3	9369.5	9352.8
62.5°	10688.6	10687.2	10584.3	10356.4	10163.2	9743.4	9580.8	9815.7	10100.6	10275.7	10266.0
65°	11461.4	11466.9	11480.8	11487.8	11507.2	11284.8	10919.3	10887.3	11098.6	11202.8	11173.6
67.5°	11475.3	11526.7	11769.9	12271.7	12965.3	13054.2	12339.8	11686.5	11444.7	11319.6	11304.3
70°	10713.6	10776.1	11240.4	12262.0	13839.5	14331.6	13139.0	11567.0	10963.8	10645.5	10584.3
71°	10291.0	10336.9	10872.0	12096.6	13934.0	14445.5	13243.2	11357.1	10627.4	10293.8	10224.3
72.5°	9541.9	9583.6	10264.6	11655.9	13802.0	14271.8	13140.4	10954.0	10033.9	9625.3	9546.0
75°	8079.7	8189.5	8853.8	10578.8	13016.7	13492.0	12439.9	9885.2	8735.7	8135.3	8076.9
77.5°	6018.4	6208.8	7015.0	8926.1	11596.2	12227.2	11143.1	8318.7	6985.8	6325.6	6253.3
80°	3398.4	3591.6	4695.2	6767.6	9717.0	10545.4	9254.1	6313.1	4964.8	4126.7	4035.0
82.5°	1257.9	1217.6	2255.9	4261.5	7237.4	8246.5	6773.1	4115.6	2732.6	1894.5	1836.1
85°	278.0	417.0	995.2	2147.4	4567.3	5355.4	3996.0	2075.2	1059.1	546.2	510.1
87.5°	76.4	136.2	341.9	900.7	1840.3	2086.3	1506.7	562.9	169.6	66.7	66.7
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)