

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: P381064

Luminaire Tested: **PRV-XL-PA3A-740-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 1/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-XL-PA3A-740-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 750mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25453 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 1.42' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

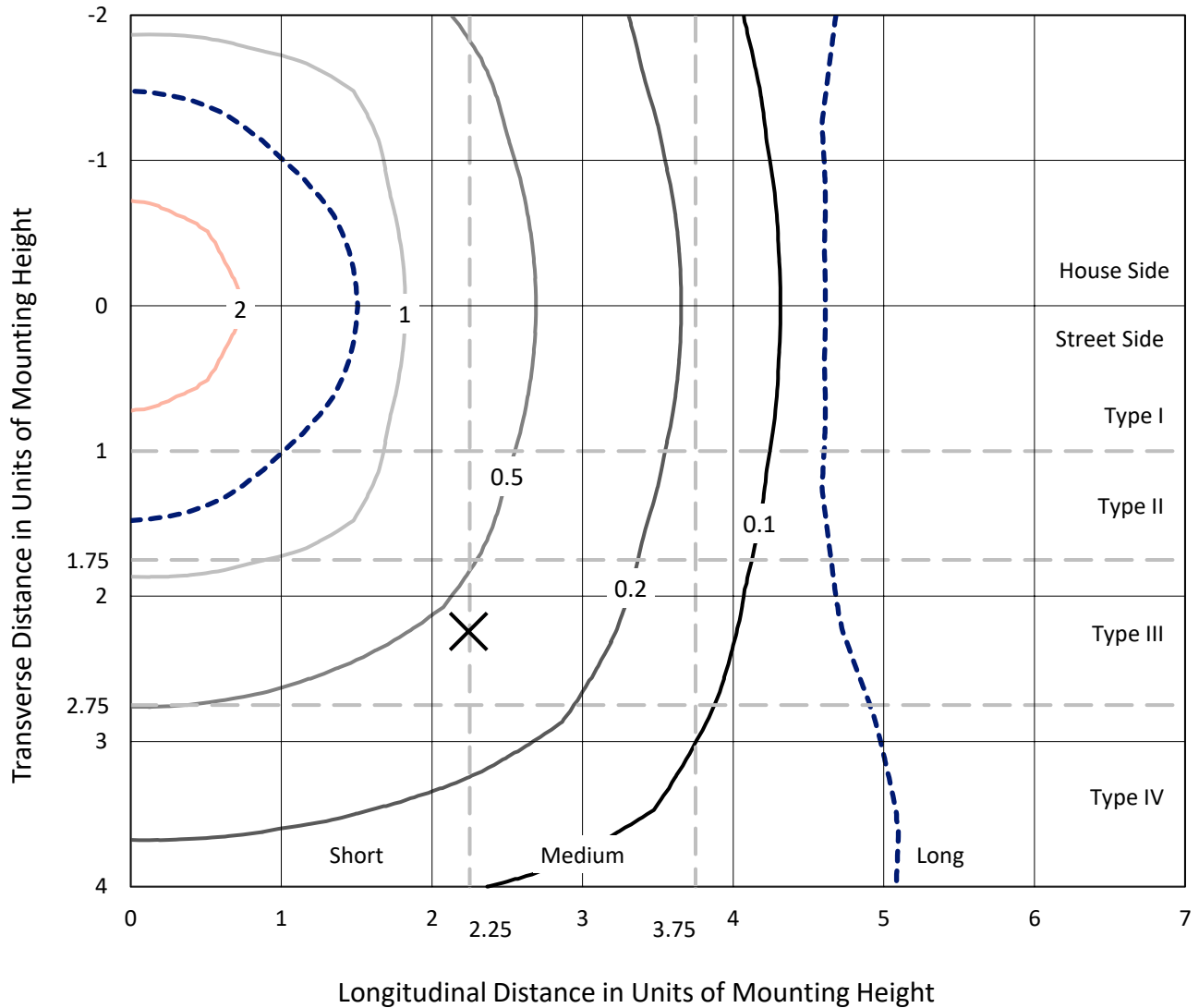
Input Watts (W): 172
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

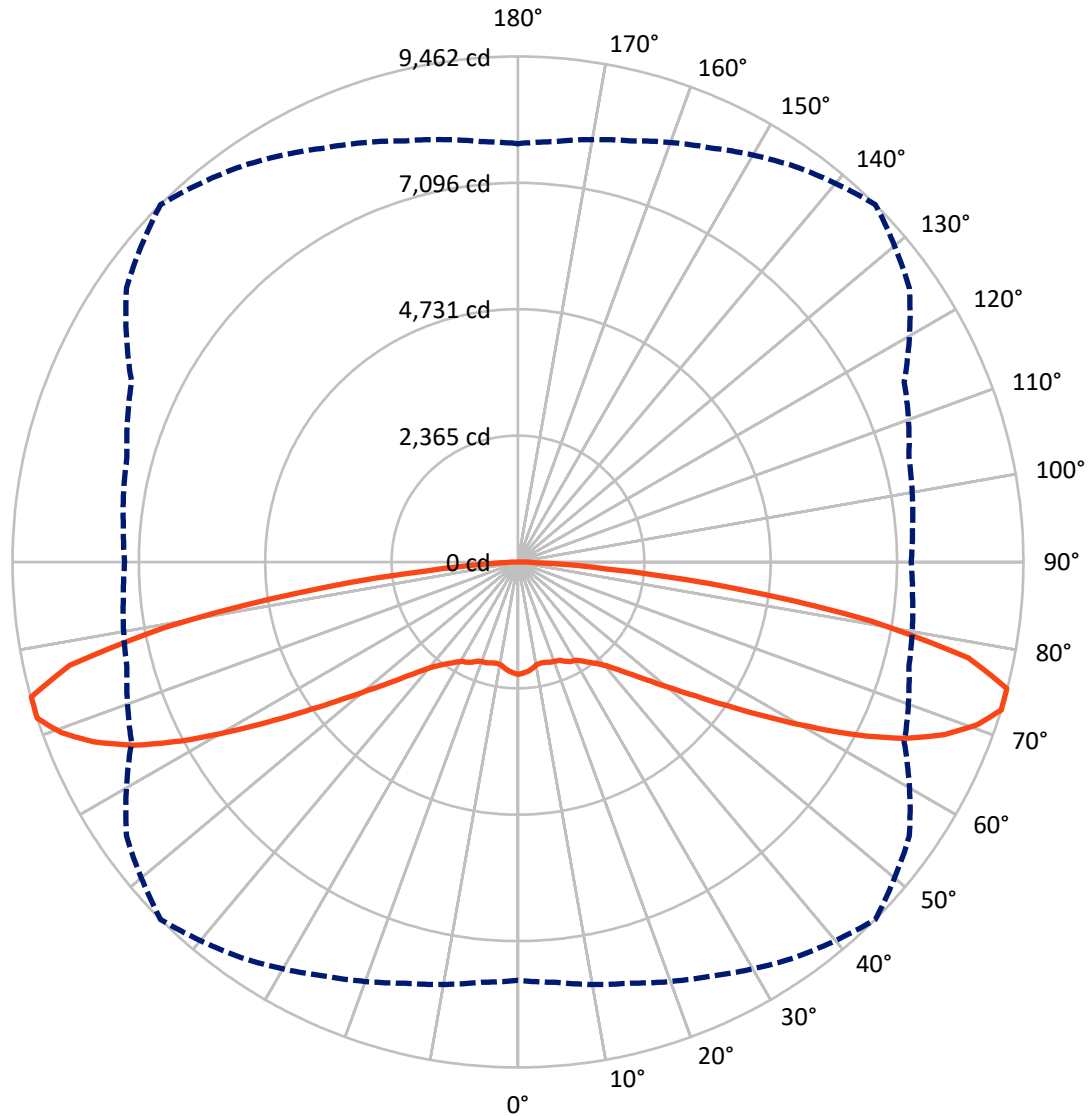
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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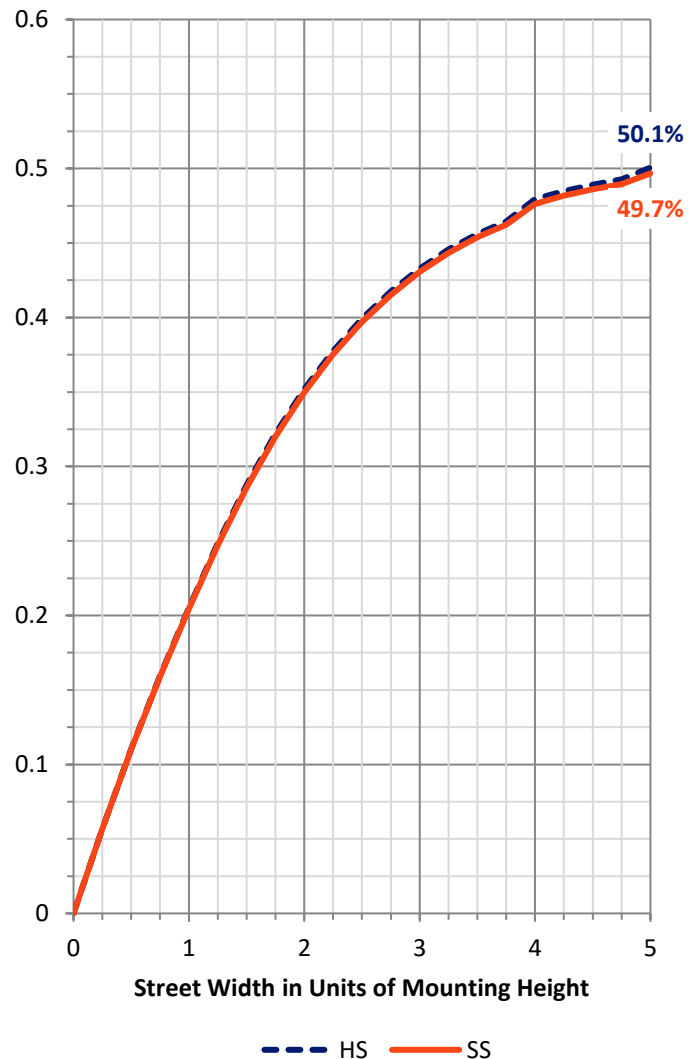
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12726.5	0.0	12726.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12726.5	0.0	12726.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25453.0	0.0	25453.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	0.8
10°-20°	560.6	2.2
20°-30°	952.6	3.7
30°-40°	1453.0	5.7
40°-50°	2392.5	9.4
50°-60°	4178.0	16.4
60°-70°	7004.4	27.5
70°-80°	7496.2	29.5
80°-90°	1222.6	4.8
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°	25453.0	100.0
0°-180°	25453.0	100.0



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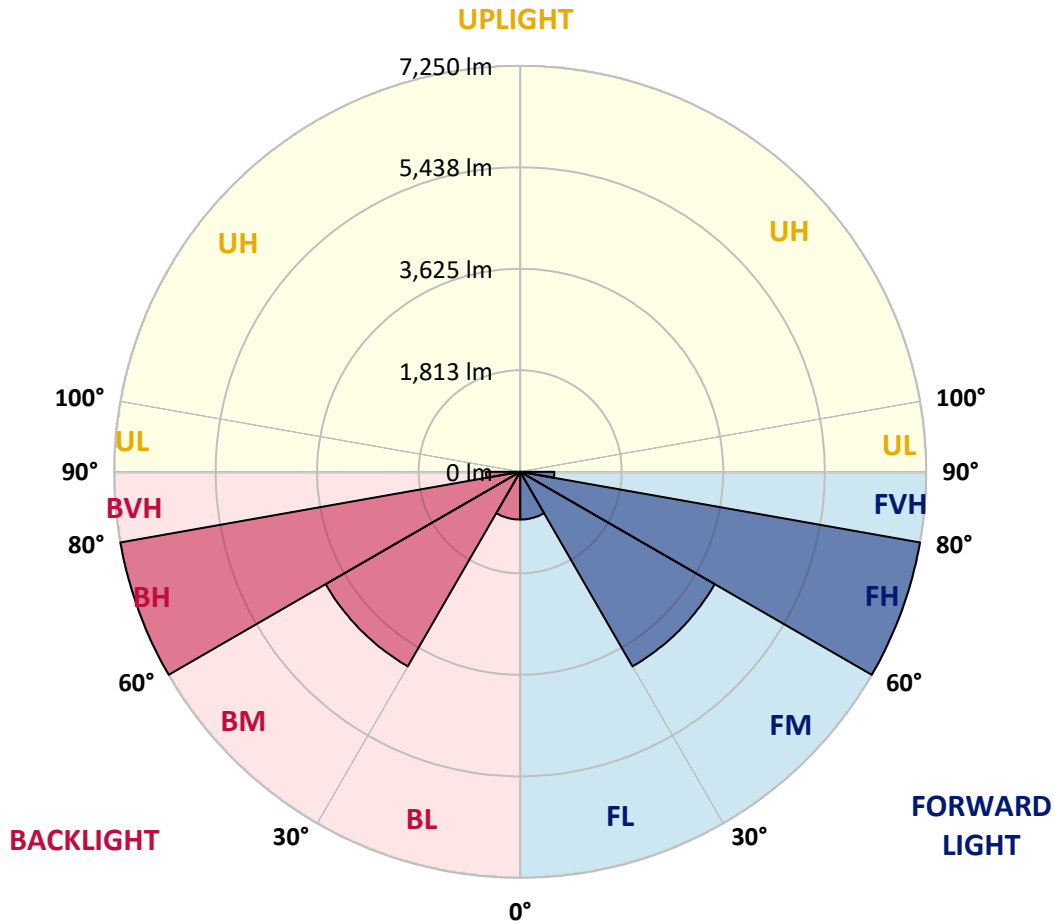
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.2	3.4			
FM (30°-60°)	4011.7	15.8			
FH (60°-80°)	7250.3	28.5			G3/7500
FVH (80°-90°)	611.3	2.4			G4/750
BL (0°-30°)	853.2	3.4	B2/1000		
BM (30°-60°)	4011.7	15.8	B3/5000		
BH (60°-80°)	7250.3	28.5	B5		G3/7500
BVH (80°-90°)	611.3	2.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2093.3	2093.3	2093.3	2090.0	2083.5	2080.3	2073.8	2077.0	2077.0	2077.0	2077.0
5°	2067.3	2067.3	2064.0	2060.8	2054.3	2051.0	2044.5	2051.0	2051.0	2051.0	2051.0
7.5°	2018.5	2021.8	2021.8	2018.5	2008.8	2005.5	1995.8	1999.0	1999.0	2002.3	1999.0
10°	1992.5	1992.5	1989.2	1973.0	1956.7	1950.2	1947.0	1956.7	1966.5	1976.2	1976.2
12.5°	1992.5	1992.5	1986.0	1960.0	1937.2	1937.2	1937.2	1950.2	1969.7	1989.2	1992.5
15°	2002.3	2002.3	1989.2	1960.0	1947.0	1950.2	1950.2	1963.2	1986.0	2012.0	2015.3
17.5°	2008.8	2008.8	1992.5	1963.2	1963.2	1973.0	1966.5	1976.2	1999.0	2028.3	2031.5
20°	2018.5	2018.5	1995.8	1973.0	1973.0	1982.7	1982.7	1992.5	2012.0	2041.3	2044.5
22.5°	2038.0	2034.8	2012.0	1992.5	1992.5	1999.0	2005.5	2018.5	2034.8	2060.8	2067.3
25°	2060.8	2060.8	2041.3	2038.0	2044.5	2060.8	2057.5	2054.3	2060.8	2083.5	2093.3
27.5°	2073.8	2073.8	2060.8	2070.5	2096.5	2109.5	2093.3	2080.3	2080.3	2103.0	2106.3
30°	2116.0	2112.8	2099.8	2106.3	2129.0	2135.5	2125.8	2109.5	2119.3	2145.3	2148.5
32.5°	2187.5	2187.5	2168.0	2168.0	2184.3	2210.3	2177.8	2168.0	2181.0	2210.3	2213.5
35°	2298.0	2298.0	2272.0	2259.0	2272.0	2307.8	2259.0	2255.8	2278.5	2311.0	2314.3
37.5°	2437.8	2437.8	2421.6	2389.0	2392.3	2415.1	2372.8	2369.5	2411.8	2447.6	2447.6
40°	2613.3	2623.1	2606.8	2567.8	2554.8	2558.1	2525.6	2528.8	2577.6	2619.8	2619.8
42.5°	2831.1	2837.6	2811.6	2782.3	2766.1	2756.3	2723.8	2730.3	2788.8	2844.1	2844.1
45°	3094.4	3097.6	3071.6	3035.9	3016.4	3009.9	2977.4	2993.6	3058.6	3117.1	3113.9
47.5°	3390.2	3393.4	3367.4	3331.7	3318.7	3328.4	3295.9	3295.9	3354.4	3403.2	3396.7
50°	3725.0	3731.5	3702.2	3686.0	3676.2	3702.2	3663.2	3627.5	3666.5	3715.2	3708.7
52.5°	4095.5	4111.8	4092.3	4098.8	4134.5	4167.0	4102.0	4024.0	4043.5	4076.0	4066.3
55°	4544.1	4563.6	4570.1	4592.8	4687.1	4742.3	4635.1	4505.1	4495.3	4498.6	4482.3
57.5°	5047.9	5060.9	5103.1	5155.1	5350.2	5437.9	5268.9	5044.6	4973.1	4930.9	4921.1
60°	5554.9	5577.7	5681.7	5789.0	6088.0	6247.3	5987.3	5610.2	5457.4	5379.4	5363.2
62.5°	6065.3	6110.8	6279.8	6461.8	6897.4	7134.6	6734.8	6188.8	5967.7	5870.2	5844.2
65°	6656.8	6712.1	6916.9	7147.6	7632.0	7966.7	7482.4	6786.9	6549.6	6419.6	6387.1
67.5°	7349.2	7407.7	7573.4	7830.2	8288.5	8616.8	8187.8	7397.9	7089.1	6923.4	6897.4
70°	7918.0	7970.0	8148.8	8408.8	8750.1	9123.9	8714.3	7885.5	7606.0	7488.9	7472.7
72.5°	7830.2	7898.5	8161.8	8551.8	9039.4	9461.9	8945.1	7979.8	7576.7	7414.2	7362.2
75°	6838.9	6913.6	7225.7	7931.0	8821.6	9452.2	8610.3	7352.4	6877.9	6741.3	6715.3
77.5°	4527.8	4599.3	5125.9	6237.5	7703.5	8613.6	7599.5	6159.5	5395.7	5067.4	5047.9
80°	1830.0	1921.0	2424.8	3604.7	5460.7	6695.8	5636.2	3942.7	2658.8	2145.3	2041.3
82.5°	425.8	507.1	737.8	1329.4	2795.4	4170.3	3039.1	1472.4	854.9	607.8	546.1
85°	178.8	182.0	315.3	432.3	874.4	1683.7	994.6	536.3	435.6	318.5	312.0
87.5°	68.3	71.5	152.8	182.0	279.5	318.5	338.0	276.3	256.8	159.3	152.8
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)