

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: P381057

Luminaire Tested: **PRV-XL-PA3B-730-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381057
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-PA3B-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 980mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28741 lumens
Efficiency: N/A
Efficacy: 122.8 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

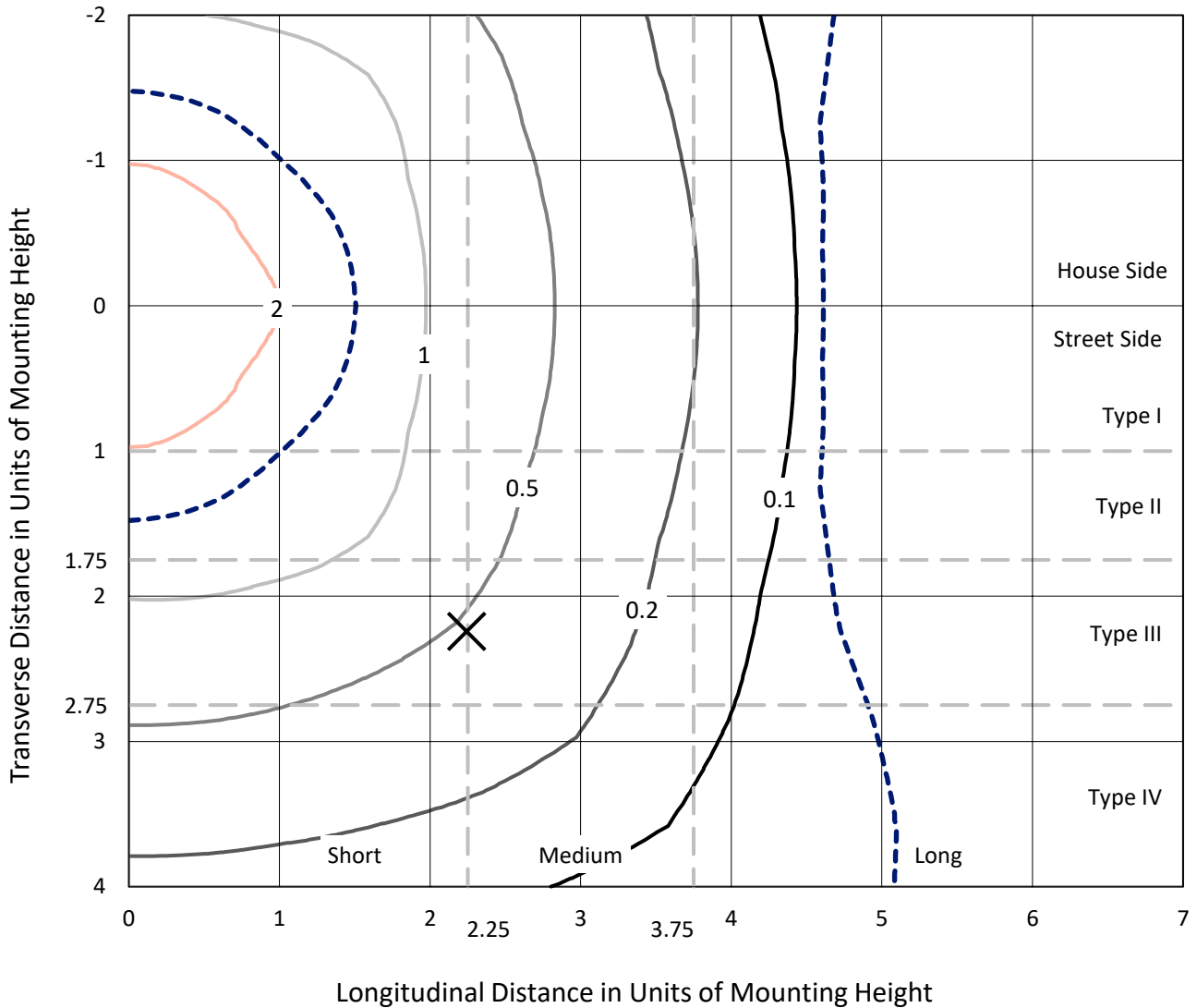
Input Watts (W): 234
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

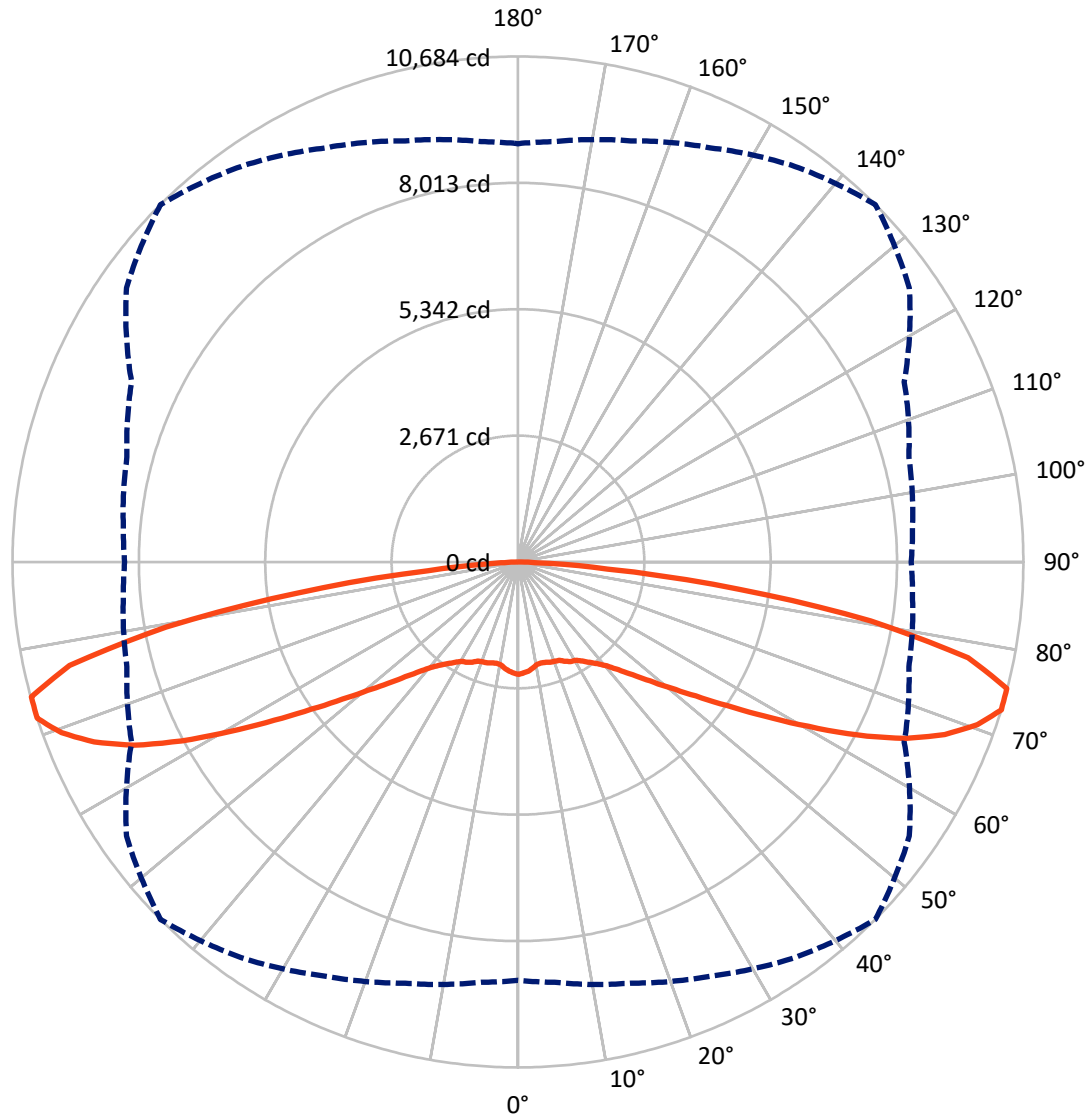
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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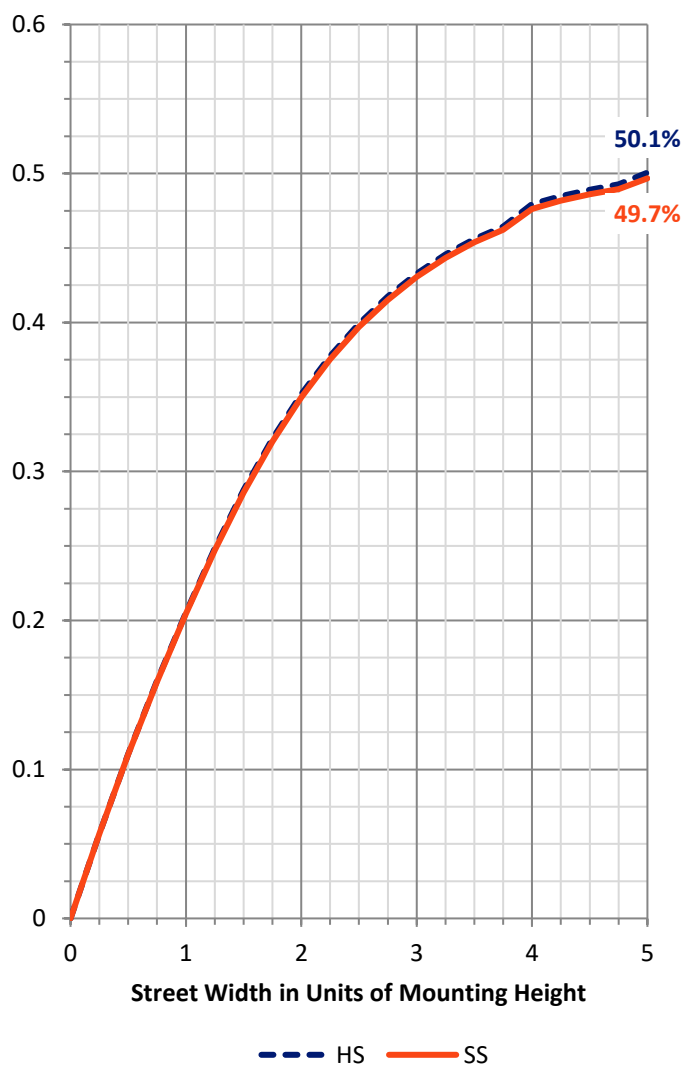
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14370.5	0.0	14370.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14370.5	0.0	14370.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28741.0	0.0	28741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	0.8
10°-20°	633.1	2.2
20°-30°	1075.7	3.7
30°-40°	1640.7	5.7
40°-50°	2701.5	9.4
50°-60°	4717.7	16.4
60°-70°	7909.3	27.5
70°-80°	8464.5	29.5
80°-90°	1380.6	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°	28741.0	100.0
0°-180°	28741.0	100.0

Coefficient of Utilization

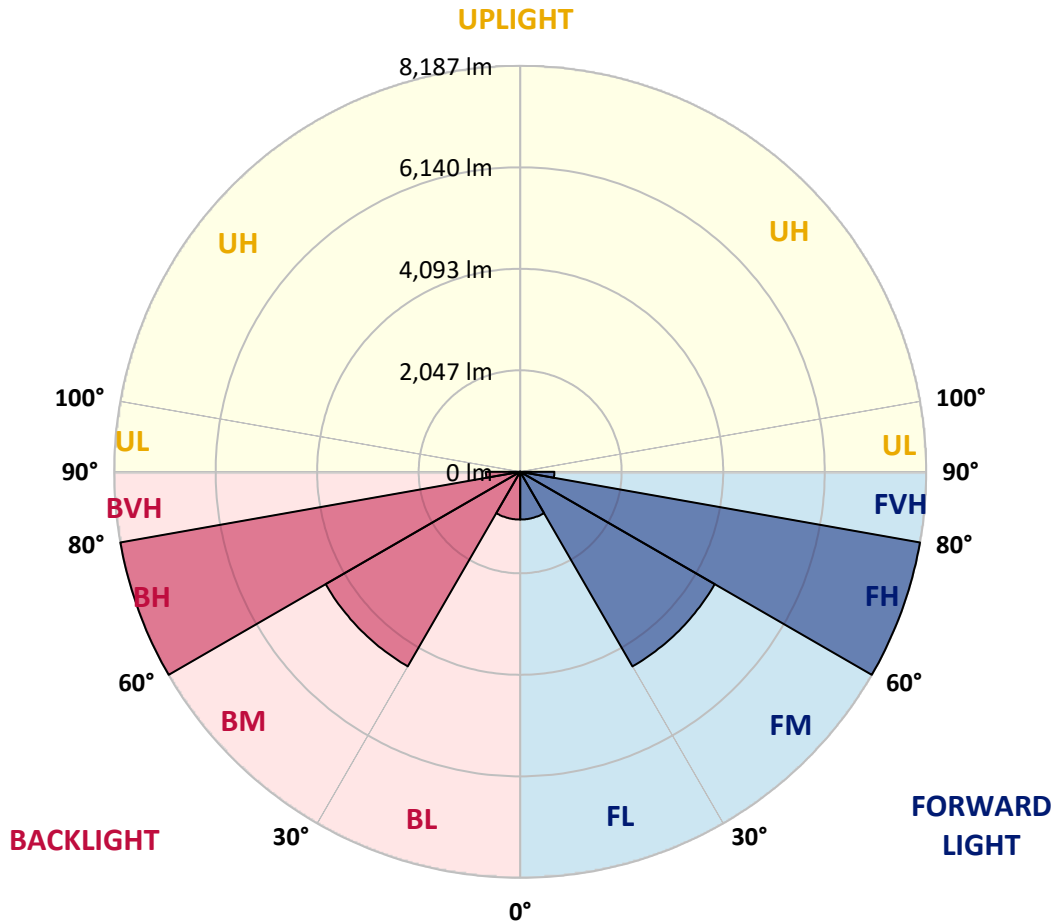


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.4	3.4			
FM (30°-60°)	4529.9	15.8			
FH (60°-80°)	8186.9	28.5			G4/12000
FVH (80°-90°)	690.3	2.4			G4/750
BL (0°-30°)	963.4	3.4	B2/1000		
BM (30°-60°)	4529.9	15.8	B3/5000		
BH (60°-80°)	8186.9	28.5	B5		G4/12000
BVH (80°-90°)	690.3	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°	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3	2378.3
2.5°	2363.7	2363.7	2363.7	2360.0	2352.7	2349.0	2341.6	2345.3	2345.3	2345.3	2345.3
5°	2334.3	2334.3	2330.6	2327.0	2319.6	2316.0	2308.6	2316.0	2316.0	2316.0	2316.0
7.5°	2279.3	2282.9	2282.9	2279.3	2268.2	2264.6	2253.6	2257.2	2257.2	2260.9	2257.2
10°	2249.9	2249.9	2246.2	2227.9	2209.5	2202.2	2198.5	2209.5	2220.5	2231.5	2231.5
12.5°	2249.9	2249.9	2242.5	2213.2	2187.5	2187.5	2187.5	2202.2	2224.2	2246.2	2249.9
15°	2260.9	2260.9	2246.2	2213.2	2198.5	2202.2	2202.2	2216.9	2242.5	2271.9	2275.6
17.5°	2268.2	2268.2	2249.9	2216.9	2216.9	2227.9	2220.5	2231.5	2257.2	2290.3	2293.9
20°	2279.3	2279.3	2253.6	2227.9	2227.9	2238.9	2238.9	2249.9	2271.9	2304.9	2308.6
22.5°	2301.3	2297.6	2271.9	2249.9	2249.9	2257.2	2264.6	2279.3	2297.6	2327.0	2334.3
25°	2327.0	2327.0	2304.9	2301.3	2308.6	2327.0	2323.3	2319.6	2327.0	2352.7	2363.7
27.5°	2341.6	2341.6	2327.0	2338.0	2367.3	2382.0	2363.7	2349.0	2349.0	2374.7	2378.3
30°	2389.4	2385.7	2371.0	2378.3	2404.0	2411.4	2400.4	2382.0	2393.0	2422.4	2426.1
32.5°	2470.1	2470.1	2448.1	2448.1	2466.4	2495.8	2459.1	2448.1	2462.8	2495.8	2499.5
35°	2594.9	2594.9	2565.5	2550.9	2565.5	2605.9	2550.9	2547.2	2572.9	2609.6	2613.2
37.5°	2752.7	2752.7	2734.4	2697.7	2701.3	2727.0	2679.3	2675.6	2723.4	2763.7	2763.7
40°	2950.9	2961.9	2943.6	2899.5	2884.9	2888.5	2851.8	2855.5	2910.5	2958.3	2958.3
42.5°	3196.8	3204.2	3174.8	3141.8	3123.4	3112.4	3075.7	3083.0	3149.1	3211.5	3211.5
45°	3494.1	3497.8	3468.4	3428.1	3406.0	3398.7	3362.0	3380.3	3453.7	3519.8	3516.1
47.5°	3828.1	3831.8	3802.4	3762.1	3747.4	3758.4	3721.7	3721.7	3787.7	3842.8	3835.5
50°	4206.2	4213.5	4180.5	4162.1	4151.1	4180.5	4136.4	4096.0	4140.1	4195.1	4187.8
52.5°	4624.6	4642.9	4620.9	4628.2	4668.6	4705.3	4631.9	4543.8	4565.8	4602.5	4591.5
55°	5131.1	5153.1	5160.4	5186.1	5292.6	5355.0	5233.8	5087.0	5076.0	5079.7	5061.3
57.5°	5700.0	5714.6	5762.4	5821.1	6041.3	6140.4	5949.5	5696.3	5615.5	5567.8	5556.8
60°	6272.5	6298.2	6415.7	6536.8	6874.5	7054.3	6760.7	6334.9	6162.4	6074.3	6056.0
62.5°	6848.8	6900.2	7091.0	7296.5	7788.4	8056.3	7604.8	6988.2	6738.7	6628.5	6599.2
65°	7516.8	7579.2	7810.4	8071.0	8617.8	8995.9	8449.0	7663.6	7395.6	7248.8	7212.1
67.5°	8298.5	8364.6	8551.8	8841.7	9359.2	9729.9	9245.5	8353.6	8004.9	7817.7	7788.4
70°	8940.8	8999.6	9201.4	9495.0	9880.4	10302.5	9840.1	8904.1	8588.5	8456.4	8438.0
72.5°	8841.7	8918.8	9216.1	9656.5	10207.1	10684.2	10100.6	9010.6	8555.5	8371.9	8313.2
75°	7722.3	7806.7	8159.1	8955.5	9961.2	10673.2	9722.6	8302.2	7766.3	7612.2	7582.8
77.5°	5112.7	5193.5	5788.1	7043.3	8698.6	9726.3	8581.1	6955.2	6092.7	5722.0	5700.0
80°	2066.4	2169.1	2738.0	4070.4	6166.1	7560.8	6364.3	4452.1	3002.3	2422.4	2304.9
82.5°	480.8	572.6	833.2	1501.1	3156.5	4709.0	3431.7	1662.6	965.3	686.3	616.6
85°	201.9	205.5	356.0	488.1	987.3	1901.2	1123.1	605.6	491.8	359.7	352.3
87.5°	77.1	80.7	172.5	205.5	315.6	359.7	381.7	312.0	290.0	179.8	172.5
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)