

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: P381061

Luminaire Tested: **PRV-PA1B-740-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381061
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-PA1B-740-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10190 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

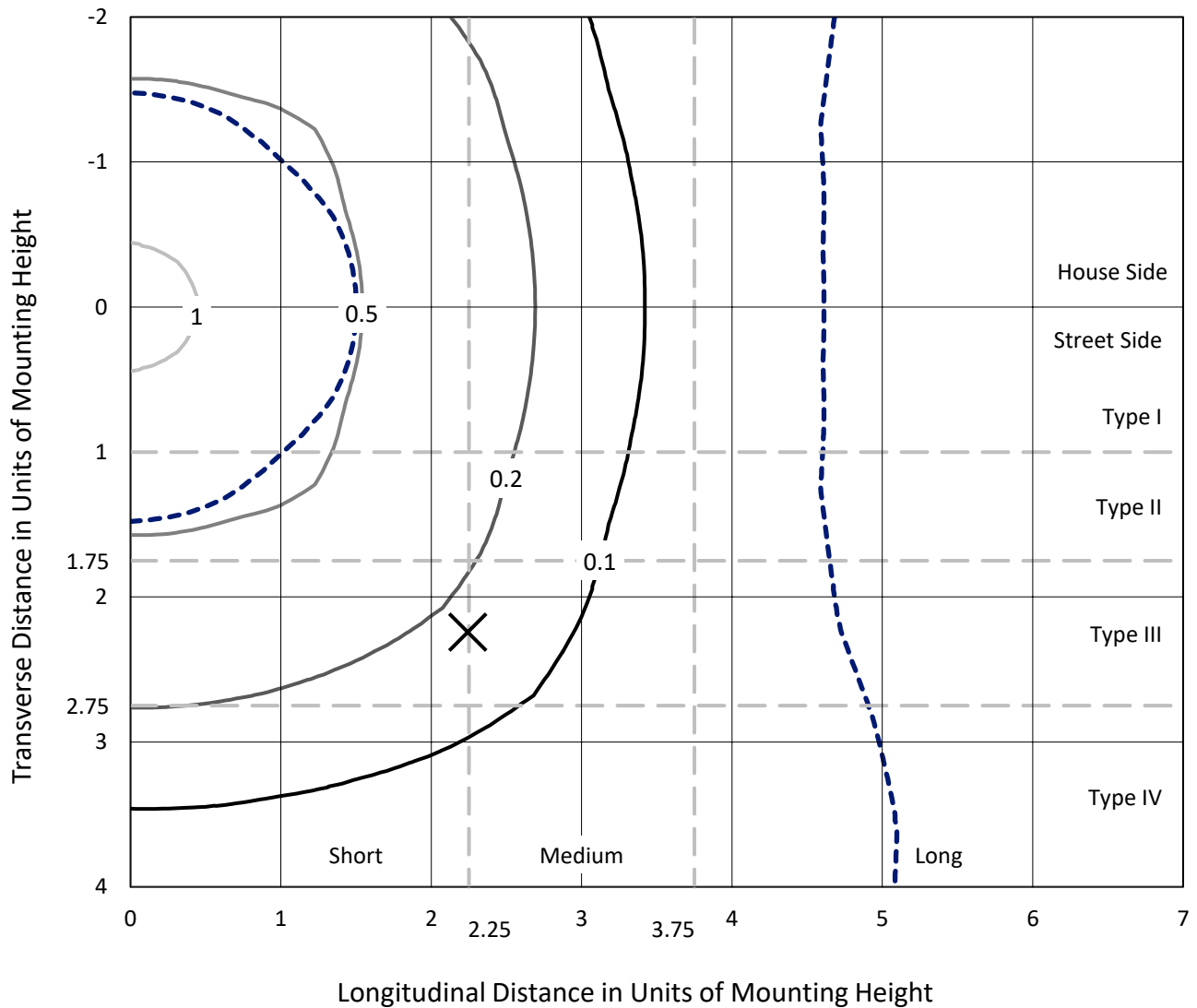
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

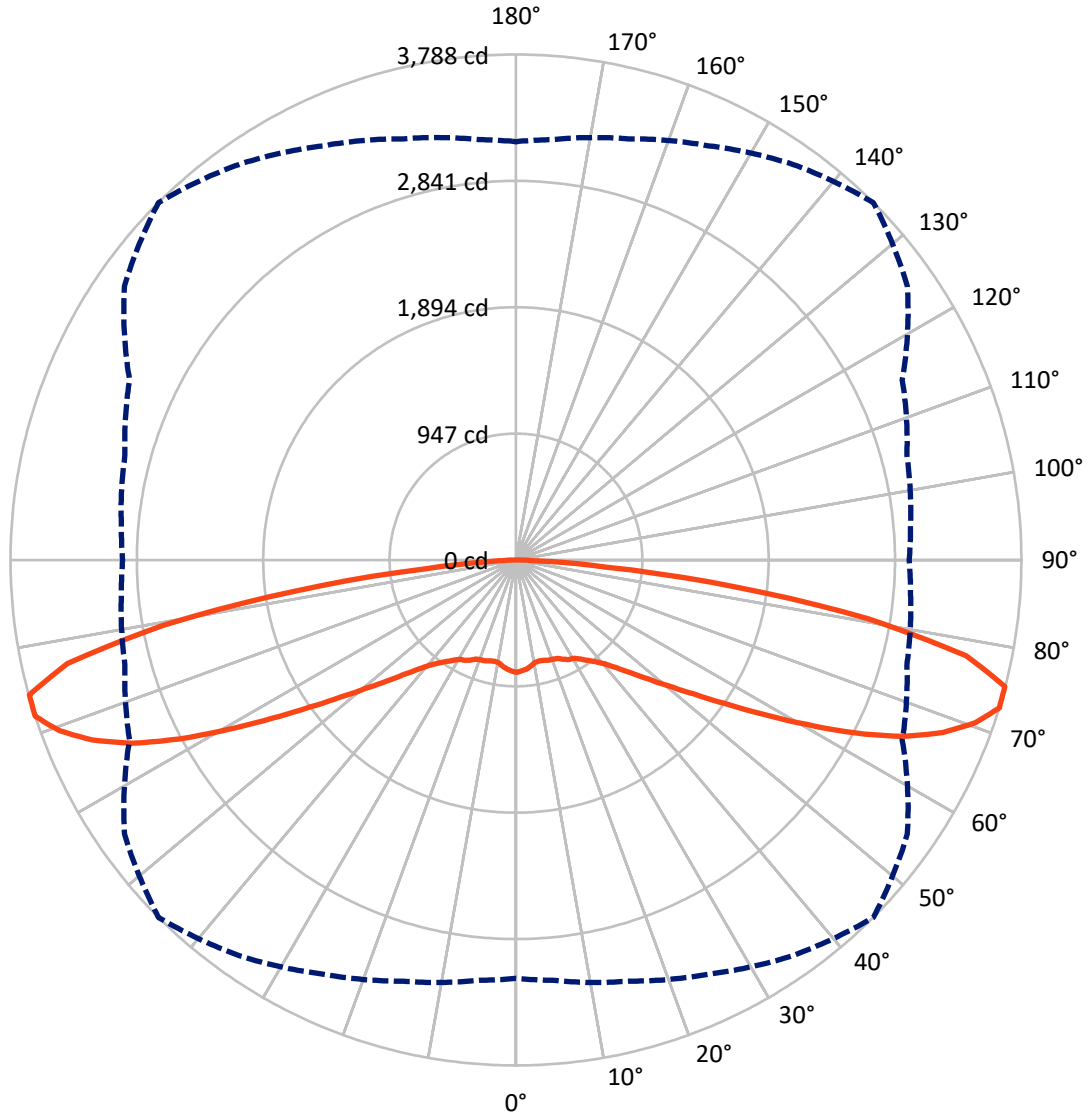
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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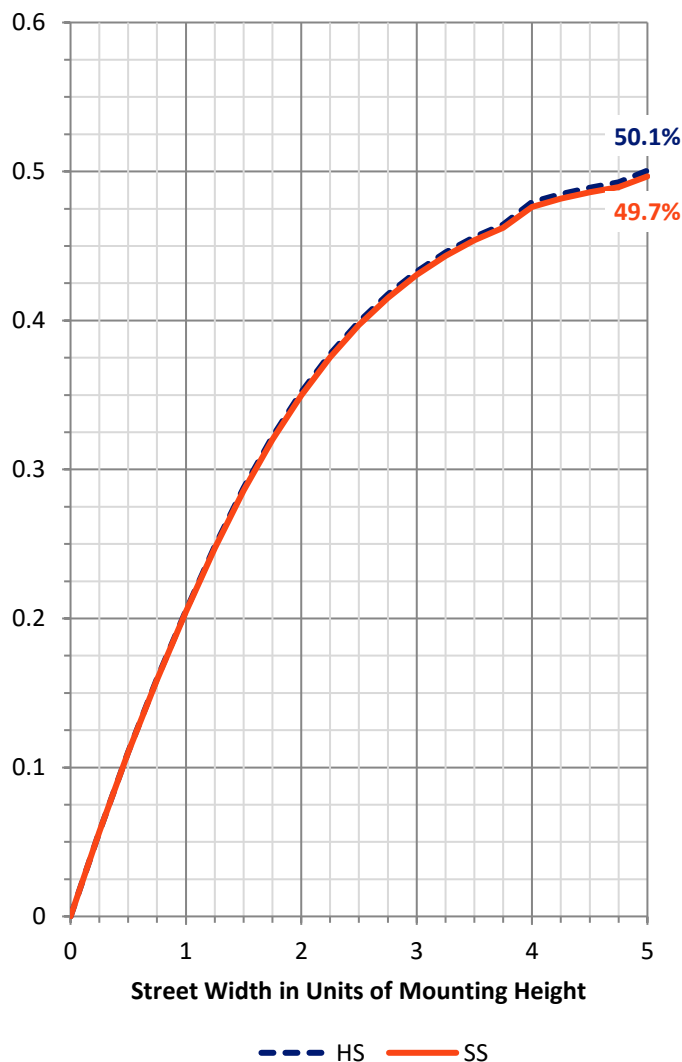
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5095.0	0.0	5095.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5095.0	0.0	5095.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10190.0	0.0	10190.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	0.8
10°-20°	224.5	2.2
20°-30°	381.4	3.7
30°-40°	581.7	5.7
40°-50°	957.8	9.4
50°-60°	1672.6	16.4
60°-70°	2804.2	27.5
70°-80°	3001.1	29.5
80°-90°	489.5	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°	10190.0	100.0
0°-180°	10190.0	100.0

Coefficient of Utilization



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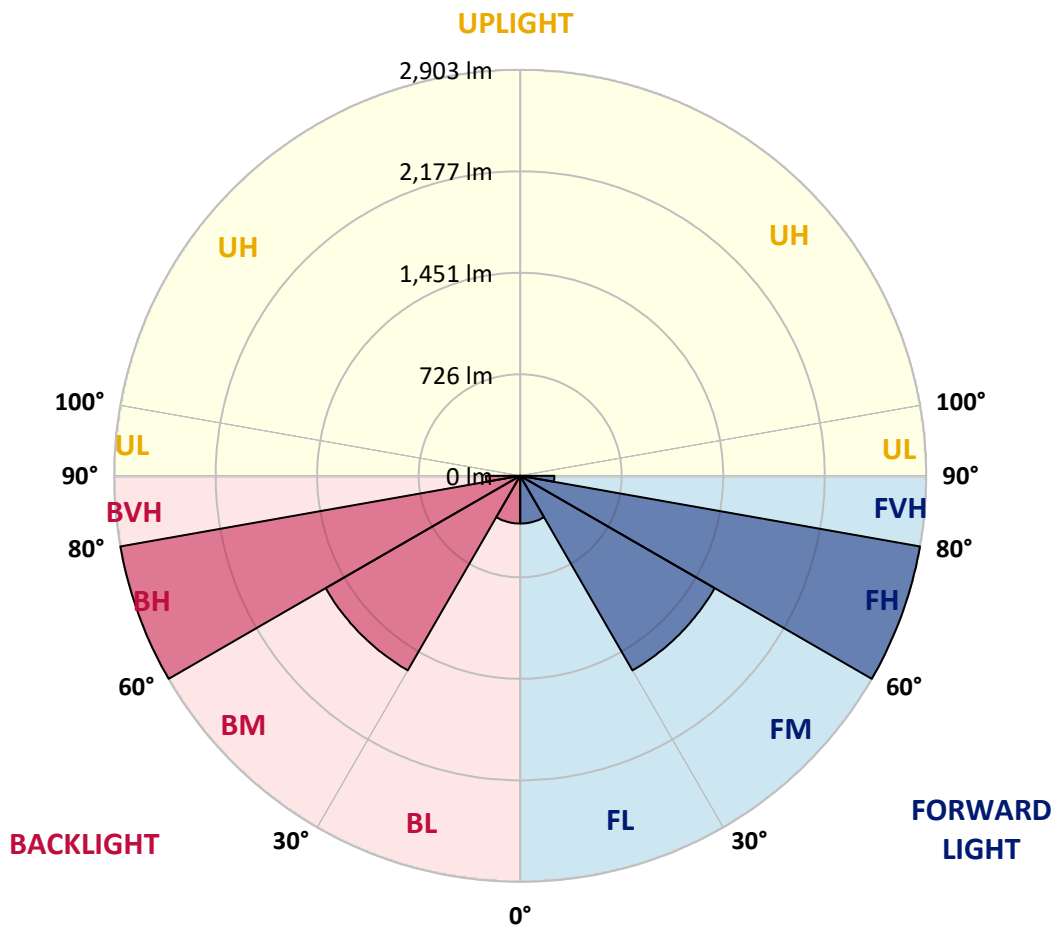
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.6	3.4			
FM (30°-60°)	1606.1	15.8			
FH (60°-80°)	2902.6	28.5			G2/5000
FVH (80°-90°)	244.7	2.4			G3/500
BL (0°-30°)	341.6	3.4	B1/500		
BM (30°-60°)	1606.1	15.8	B2/2500		
BH (60°-80°)	2902.6	28.5	B4/5000		G2/5000
BVH (80°-90°)	244.7	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2	843.2
2.5°	838.0	838.0	838.0	836.7	834.1	832.8	830.2	831.5	831.5	831.5	831.5
5°	827.6	827.6	826.3	825.0	822.4	821.1	818.5	821.1	821.1	821.1	821.1
7.5°	808.1	809.4	809.4	808.1	804.2	802.9	799.0	800.3	800.3	801.6	800.3
10°	797.7	797.7	796.4	789.9	783.4	780.8	779.5	783.4	787.3	791.2	791.2
12.5°	797.7	797.7	795.1	784.7	775.6	775.6	775.6	780.8	788.6	796.4	797.7
15°	801.6	801.6	796.4	784.7	779.5	780.8	780.8	786.0	795.1	805.5	806.8
17.5°	804.2	804.2	797.7	786.0	786.0	789.9	787.3	791.2	800.3	812.0	813.3
20°	808.1	808.1	799.0	789.9	789.9	793.8	793.8	797.7	805.5	817.2	818.5
22.5°	815.9	814.6	805.5	797.7	797.7	800.3	802.9	808.1	814.6	825.0	827.6
25°	825.0	825.0	817.2	815.9	818.5	825.0	823.7	822.4	825.0	834.1	838.0
27.5°	830.2	830.2	825.0	828.9	839.3	844.5	838.0	832.8	832.8	841.9	843.2
30°	847.1	845.8	840.6	843.2	852.3	854.9	851.0	844.5	848.4	858.8	860.2
32.5°	875.8	875.8	868.0	868.0	874.5	884.9	871.9	868.0	873.2	884.9	886.2
35°	920.0	920.0	909.6	904.4	909.6	923.9	904.4	903.1	912.2	925.2	926.5
37.5°	976.0	976.0	969.5	956.4	957.7	966.9	949.9	948.6	965.6	979.9	979.9
40°	1046.2	1050.1	1043.6	1028.0	1022.8	1024.1	1011.1	1012.4	1031.9	1048.8	1048.8
42.5°	1133.4	1136.0	1125.6	1113.9	1107.4	1103.5	1090.5	1093.1	1116.5	1138.6	1138.6
45°	1238.8	1240.1	1229.7	1215.4	1207.6	1205.0	1192.0	1198.5	1224.5	1247.9	1246.6
47.5°	1357.2	1358.5	1348.1	1333.8	1328.6	1332.5	1319.5	1319.5	1342.9	1362.4	1359.8
50°	1491.3	1493.9	1482.2	1475.7	1471.8	1482.2	1466.6	1452.2	1467.9	1487.4	1484.8
52.5°	1639.6	1646.1	1638.3	1640.9	1655.2	1668.2	1642.2	1611.0	1618.8	1631.8	1627.9
55°	1819.2	1827.0	1829.6	1838.7	1876.5	1898.6	1855.6	1803.6	1799.7	1801.0	1794.5
57.5°	2020.9	2026.1	2043.0	2063.8	2141.9	2177.1	2109.4	2019.6	1991.0	1974.1	1970.1
60°	2223.9	2233.0	2274.6	2317.6	2437.3	2501.1	2397.0	2246.0	2184.9	2153.6	2147.1
62.5°	2428.2	2446.4	2514.1	2587.0	2761.3	2856.3	2696.3	2477.7	2389.2	2350.1	2339.7
65°	2665.0	2687.2	2769.1	2861.5	3055.4	3189.5	2995.6	2717.1	2622.1	2570.0	2557.0
67.5°	2942.2	2965.6	3032.0	3134.8	3318.3	3449.7	3277.9	2961.7	2838.1	2771.7	2761.3
70°	3169.9	3190.8	3262.3	3366.4	3503.1	3652.7	3488.7	3156.9	3045.0	2998.2	2991.7
72.5°	3134.8	3162.1	3267.5	3423.7	3618.9	3788.0	3581.1	3194.7	3033.3	2968.2	2947.4
75°	2737.9	2767.8	2892.8	3175.1	3531.7	3784.1	3447.1	2943.5	2753.5	2698.9	2688.5
77.5°	1812.7	1841.3	2052.1	2497.2	3084.0	3448.4	3042.4	2465.9	2160.1	2028.7	2020.9
80°	732.6	769.1	970.8	1443.1	2186.2	2680.7	2256.4	1578.5	1064.5	858.8	817.2
82.5°	170.5	203.0	295.4	532.2	1119.1	1669.6	1216.7	589.5	342.2	243.3	218.6
85°	71.6	72.9	126.2	173.1	350.0	674.1	398.2	214.7	174.4	127.5	124.9
87.5°	27.3	28.6	61.2	72.9	111.9	127.5	135.3	110.6	102.8	63.8	61.2
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)