

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: P511166

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1B-740-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7349 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

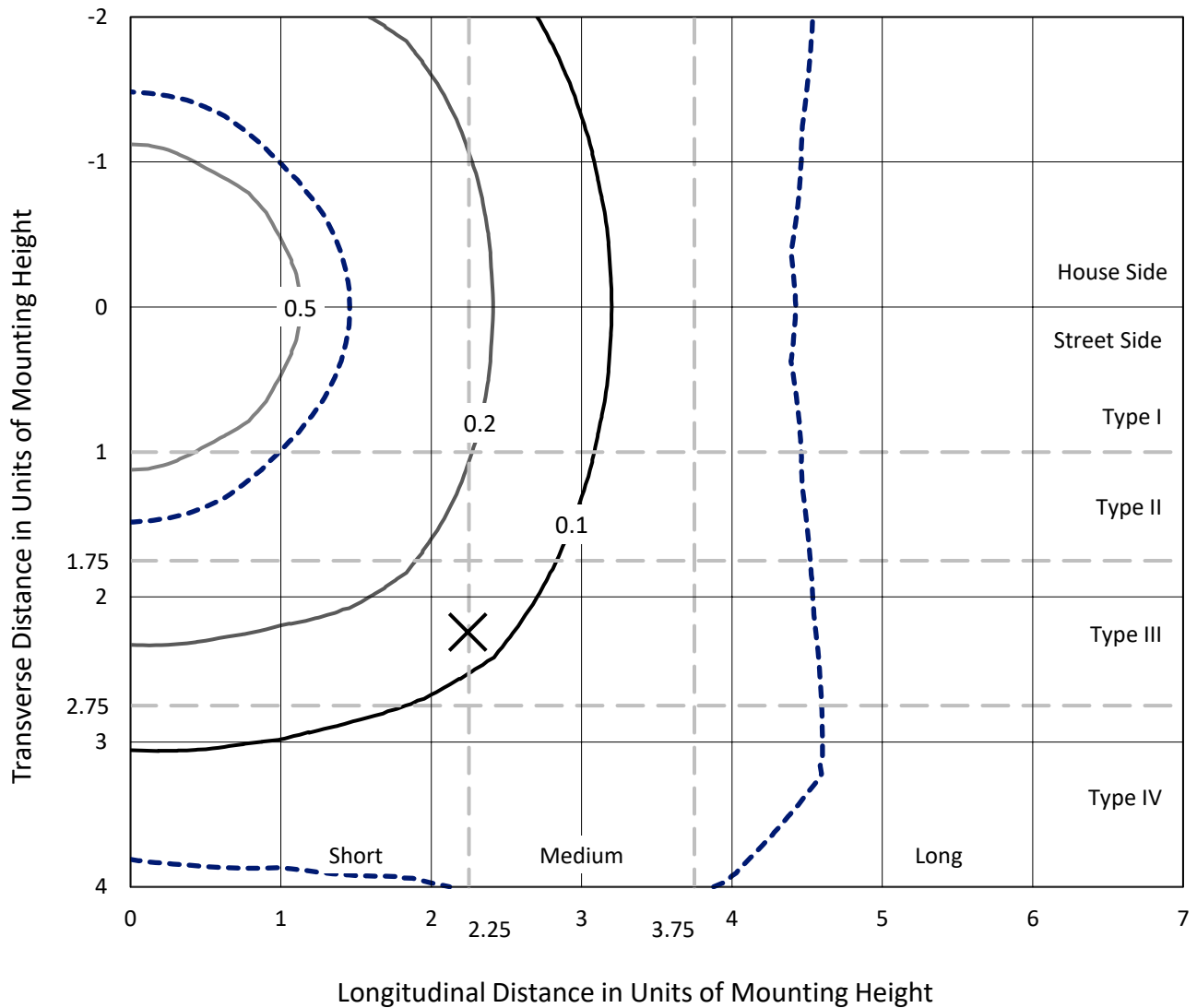
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

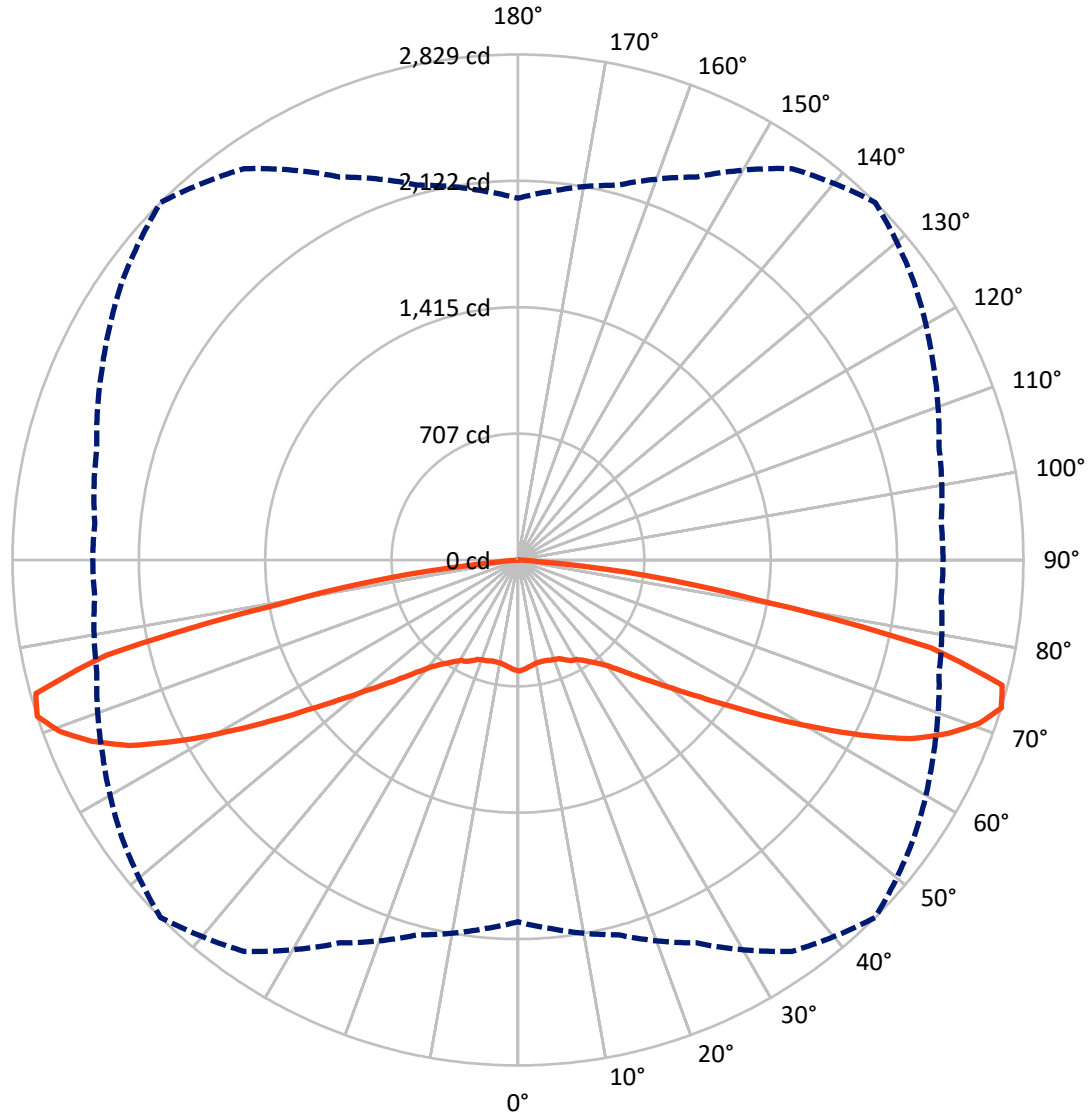
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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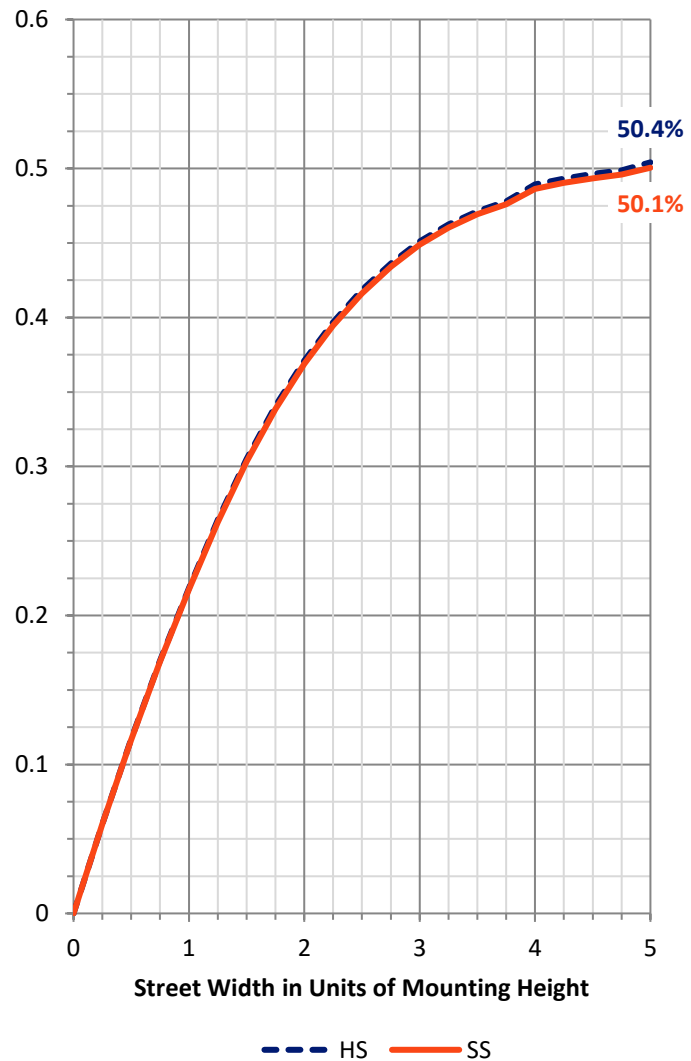
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3674.5	0.0	3674.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3674.5	0.0	3674.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7349.0	0.0	7349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	0.8
10°-20°	167.5	2.3
20°-30°	286.6	3.9
30°-40°	441.6	6.0
40°-50°	731.1	9.9
50°-60°	1272.1	17.3
60°-70°	2117.4	28.8
70°-80°	2077.1	28.3
80°-90°	198.5	2.7
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°	7349.0	100.0
0°-180°	7349.0	100.0



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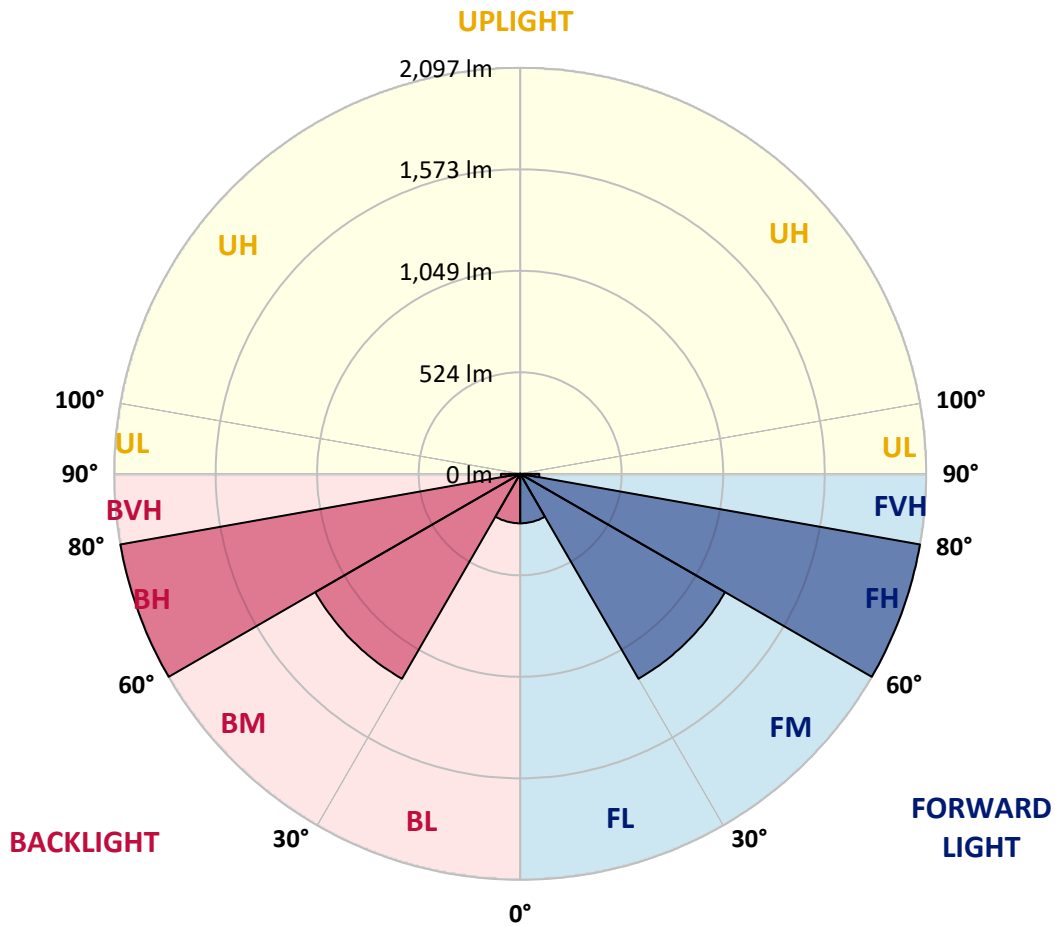
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.6	3.5			
FM (30°-60°)	1222.4	16.6			
FH (60°-80°)	2097.2	28.5			G2/5000
FVH (80°-90°)	99.3	1.4			G1/100
BL (0°-30°)	255.6	3.5	B1/500		
BM (30°-60°)	1222.4	16.6	B2/2500		
BH (60°-80°)	2097.2	28.5	B3/2500		G2/5000
BVH (80°-90°)	99.3	1.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	614.5	616.2	612.9	612.9	614.5	614.5	612.9	616.2	616.2	619.4	616.2
5°	601.5	603.1	601.5	601.5	601.5	603.1	603.1	604.7	604.7	606.4	608.0
7.5°	591.6	593.3	591.6	590.0	591.6	593.3	594.9	596.6	596.6	598.2	596.6
10°	590.0	591.6	588.4	585.1	583.5	585.1	583.5	590.0	593.3	594.9	596.6
12.5°	593.3	594.9	591.6	585.1	581.8	583.5	583.5	586.7	593.3	596.6	598.2
15°	594.9	596.6	590.0	583.5	583.5	583.5	583.5	585.1	591.6	594.9	596.6
17.5°	599.8	601.5	596.6	588.4	588.4	590.0	586.7	588.4	590.0	598.2	598.2
20°	604.7	608.0	598.2	594.9	594.9	593.3	591.6	593.3	596.6	604.7	601.5
22.5°	617.8	616.2	609.6	606.4	603.1	599.8	598.2	601.5	604.7	611.3	609.6
25°	626.0	626.0	621.1	617.8	622.7	619.4	616.2	614.5	614.5	619.4	619.4
27.5°	630.9	629.2	626.0	626.0	630.9	637.4	630.9	624.3	621.1	624.3	622.7
30°	643.9	645.6	639.0	639.0	642.3	645.6	642.3	637.4	634.1	640.7	642.3
32.5°	666.8	668.5	661.9	658.7	660.3	670.1	661.9	655.4	658.7	665.2	663.6
35°	702.8	701.2	693.0	684.8	688.1	699.5	689.7	688.1	693.0	699.5	702.8
37.5°	740.4	742.0	733.8	722.4	720.8	733.8	728.9	728.9	735.5	745.3	743.6
40°	799.2	797.6	789.4	769.8	771.4	779.6	781.2	784.5	795.9	800.8	799.2
42.5°	863.0	863.0	851.5	835.2	836.8	845.0	846.6	848.2	856.4	871.1	866.2
45°	949.6	946.3	933.2	916.9	915.3	925.1	926.7	926.7	938.1	947.9	944.7
47.5°	1031.3	1032.9	1021.5	1008.4	1010.1	1019.9	1021.5	1016.6	1023.1	1032.9	1037.8
50°	1126.1	1126.1	1122.8	1108.1	1121.2	1132.6	1129.4	1127.7	1134.3	1135.9	1131.0
52.5°	1232.3	1238.9	1234.0	1230.7	1251.9	1273.2	1269.9	1248.7	1245.4	1250.3	1245.4
55°	1363.1	1361.4	1366.3	1377.8	1415.4	1441.5	1428.5	1402.3	1390.9	1381.1	1384.3
57.5°	1490.6	1500.4	1508.5	1536.3	1601.7	1655.6	1629.5	1575.5	1542.9	1523.2	1524.9
60°	1618.0	1631.1	1654.0	1709.6	1824.0	1897.5	1873.0	1776.6	1719.4	1690.0	1681.8
62.5°	1770.0	1776.6	1801.1	1876.3	2041.3	2157.4	2100.2	1967.8	1892.6	1859.9	1845.2
65°	1931.8	1940.0	1972.7	2052.8	2270.2	2412.4	2322.5	2175.4	2078.9	2034.8	2020.1
67.5°	2078.9	2100.2	2132.9	2234.2	2472.8	2593.8	2499.0	2365.0	2281.6	2221.1	2227.7
70°	2221.1	2229.3	2275.1	2366.6	2616.7	2739.2	2629.7	2538.2	2451.6	2389.5	2409.1
72.5°	2025.0	2070.8	2172.1	2365.0	2673.9	2829.1	2706.5	2566.0	2440.1	2378.0	2379.7
75°	1467.7	1510.2	1616.4	1869.7	2469.6	2799.7	2628.1	2369.9	2157.4	2074.0	2061.0
77.5°	1006.8	998.6	1095.0	1299.3	1725.9	2363.3	2273.4	1835.4	1516.7	1330.4	1346.7
80°	274.6	290.9	423.3	711.0	1142.4	1366.3	1379.4	969.2	604.7	444.6	439.7
82.5°	63.7	68.6	101.3	174.9	423.3	738.7	436.4	228.8	156.9	104.6	76.8
85°	13.1	13.1	16.3	31.1	88.3	112.8	73.5	53.9	52.3	27.8	26.2
87.5°	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6
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)