

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: P381060

Luminaire Tested: **PRV-PA1A-740-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381060
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-PA1A-740-U-5WQ
Description: PREVAIL AREA AND ROADWAY 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: 7831 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

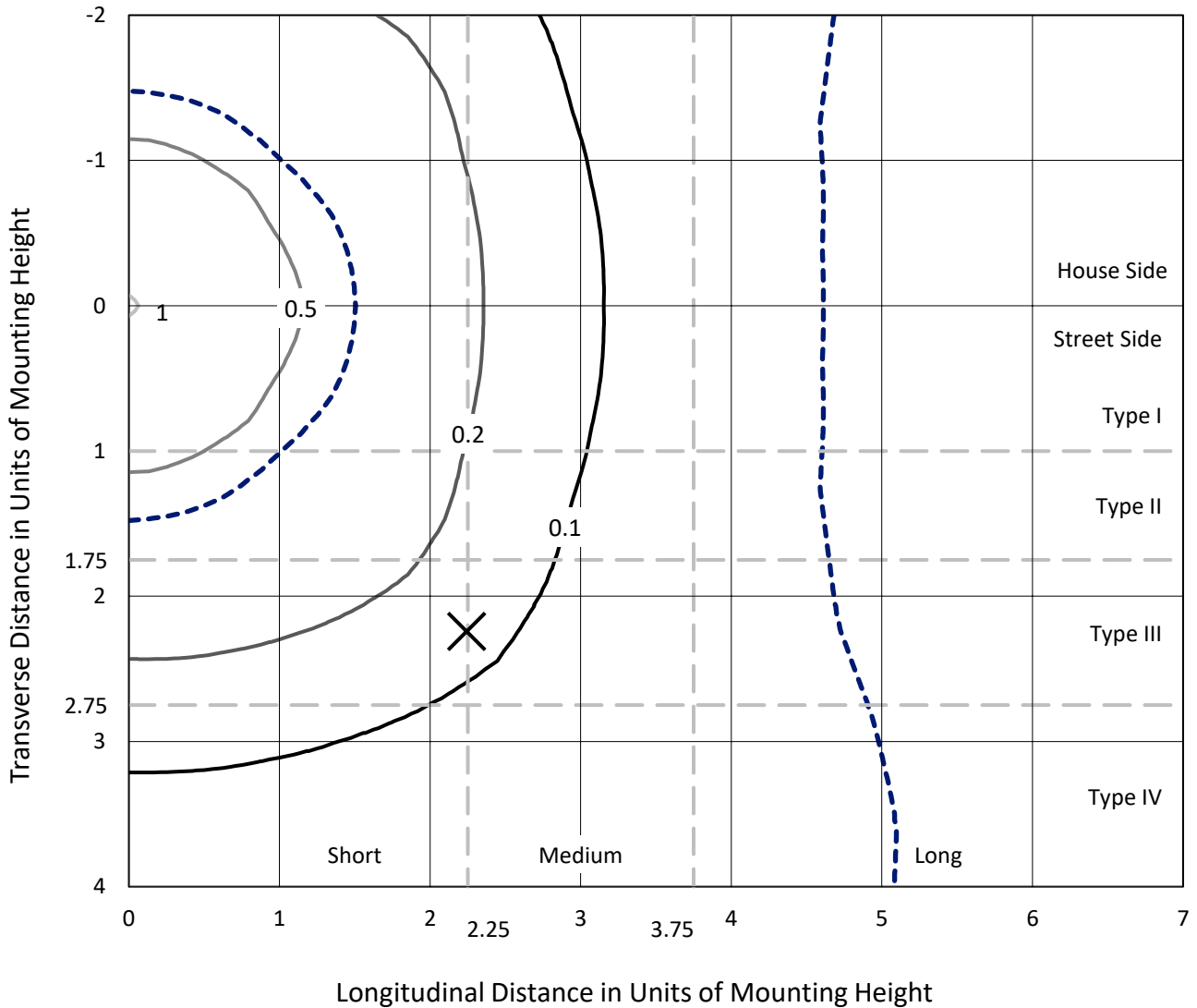
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

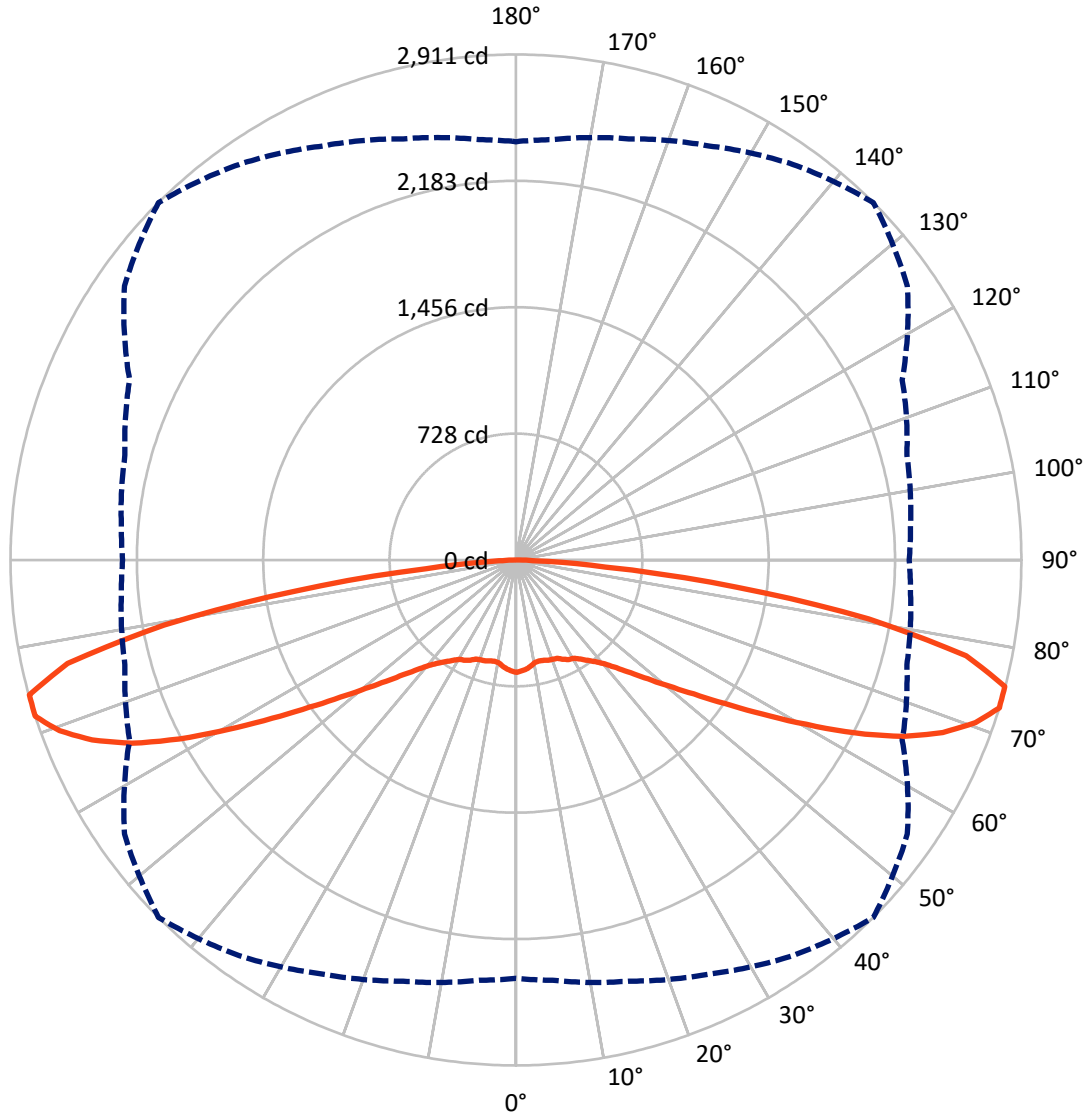
✕ Max cd
 - - - 1/2 Max cd



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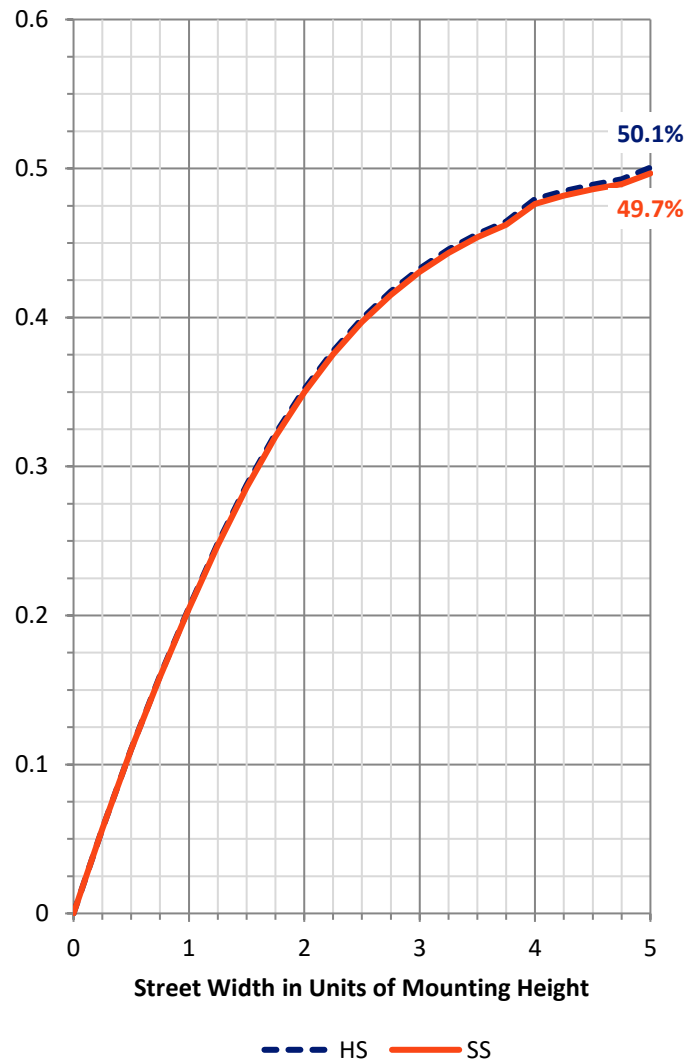
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3915.5	0.0	3915.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3915.5	0.0	3915.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7831.0	0.0	7831.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	0.8
10°-20°	172.5	2.2
20°-30°	293.1	3.7
30°-40°	447.0	5.7
40°-50°	736.1	9.4
50°-60°	1285.4	16.4
60°-70°	2155.0	27.5
70°-80°	2306.3	29.5
80°-90°	376.1	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°	7831.0	100.0
0°-180°	7831.0	100.0



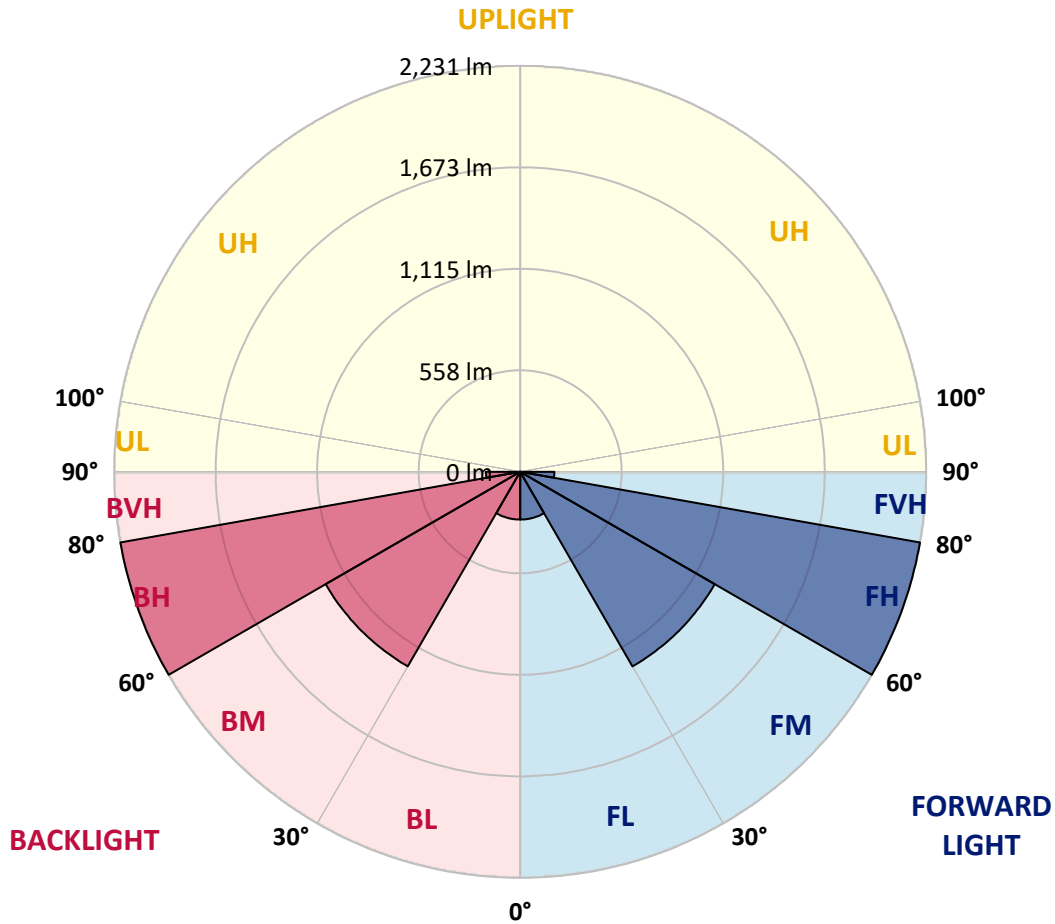
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.5	3.4			
FM (30°-60°)	1234.2	15.8			
FH (60°-80°)	2230.7	28.5			G2/5000
FVH (80°-90°)	188.1	2.4			G2/225
BL (0°-30°)	262.5	3.4	B1/500		
BM (30°-60°)	1234.2	15.8	B2/2500		
BH (60°-80°)	2230.7	28.5	B3/2500		G2/5000
BVH (80°-90°)	188.1	2.4			G2/225
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°	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0
2.5°	644.0	644.0	644.0	643.0	641.0	640.0	638.0	639.0	639.0	639.0	639.0
5°	636.0	636.0	635.0	634.0	632.0	631.0	629.0	631.0	631.0	631.0	631.0
7.5°	621.0	622.0	622.0	621.0	618.0	617.0	614.0	615.0	615.0	616.0	615.0
10°	613.0	613.0	612.0	607.0	602.0	600.0	599.0	602.0	605.0	608.0	608.0
12.5°	613.0	613.0	611.0	603.0	596.0	596.0	596.0	600.0	606.0	612.0	613.0
15°	616.0	616.0	612.0	603.0	599.0	600.0	600.0	604.0	611.0	619.0	620.0
17.5°	618.0	618.0	613.0	604.0	604.0	607.0	605.0	608.0	615.0	624.0	625.0
20°	621.0	621.0	614.0	607.0	607.0	610.0	610.0	613.0	619.0	628.0	629.0
22.5°	627.0	626.0	619.0	613.0	613.0	615.0	617.0	621.0	626.0	634.0	636.0
25°	634.0	634.0	628.0	627.0	629.0	634.0	633.0	632.0	634.0	641.0	644.0
27.5°	638.0	638.0	634.0	637.0	645.0	649.0	644.0	640.0	640.0	647.0	648.0
30°	651.0	650.0	646.0	648.0	655.0	657.0	654.0	649.0	652.0	660.0	661.0
32.5°	673.0	673.0	667.0	667.0	672.0	680.0	670.0	667.0	671.0	680.0	681.0
35°	707.0	707.0	699.0	695.0	699.0	710.0	695.0	694.0	701.0	711.0	712.0
37.5°	750.0	750.0	745.0	735.0	736.0	743.0	730.0	729.0	742.0	753.0	753.0
40°	804.0	807.0	802.0	790.0	786.0	787.0	777.0	778.0	793.0	806.0	806.0
42.5°	871.0	873.0	865.0	856.0	851.0	848.0	838.0	840.0	858.0	875.0	875.0
45°	952.0	953.0	945.0	934.0	928.0	926.0	916.0	921.0	941.0	959.0	958.0
47.5°	1043.0	1044.0	1036.0	1025.0	1021.0	1024.0	1014.0	1014.0	1032.0	1047.0	1045.0
50°	1146.0	1148.0	1139.0	1134.0	1131.0	1139.0	1127.0	1116.0	1128.0	1143.0	1141.0
52.5°	1260.0	1265.0	1259.0	1261.0	1272.0	1282.0	1262.0	1238.0	1244.0	1254.0	1251.0
55°	1398.1	1404.1	1406.1	1413.1	1442.1	1459.1	1426.1	1386.1	1383.1	1384.1	1379.1
57.5°	1553.1	1557.1	1570.1	1586.1	1646.1	1673.1	1621.1	1552.1	1530.1	1517.1	1514.1
60°	1709.1	1716.1	1748.1	1781.1	1873.1	1922.1	1842.1	1726.1	1679.1	1655.1	1650.1
62.5°	1866.1	1880.1	1932.1	1988.1	2122.1	2195.1	2072.1	1904.1	1836.1	1806.1	1798.1
65°	2048.1	2065.1	2128.1	2199.1	2348.1	2451.1	2302.1	2088.1	2015.1	1975.1	1965.1
67.5°	2261.1	2279.1	2330.1	2409.1	2550.1	2651.1	2519.1	2276.1	2181.1	2130.1	2122.1
70°	2436.1	2452.1	2507.1	2587.1	2692.1	2807.1	2681.1	2426.1	2340.1	2304.1	2299.1
72.5°	2409.1	2430.1	2511.1	2631.1	2781.1	2911.1	2752.1	2455.1	2331.1	2281.1	2265.1
75°	2104.1	2127.1	2223.1	2440.1	2714.1	2908.1	2649.1	2262.1	2116.1	2074.1	2066.1
77.5°	1393.1	1415.1	1577.1	1919.1	2370.1	2650.1	2338.1	1895.1	1660.1	1559.1	1553.1
80°	563.0	591.0	746.0	1109.0	1680.1	2060.1	1734.1	1213.0	818.0	660.0	628.0
82.5°	131.0	156.0	227.0	409.0	860.0	1283.0	935.0	453.0	263.0	187.0	168.0
85°	55.0	56.0	97.0	133.0	269.0	518.0	306.0	165.0	134.0	98.0	96.0
87.5°	21.0	22.0	47.0	56.0	86.0	98.0	104.0	85.0	79.0	49.0	47.0
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)