

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: P511238

Luminaire Tested: **PRV-P-PA1C-740-U-5WQ**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511238  
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-PA1C-740-U-5WQ  
Description: PREVAIL AREA AND WALL 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: 9478 lumens  
Efficiency: N/A  
Efficacy: 131.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

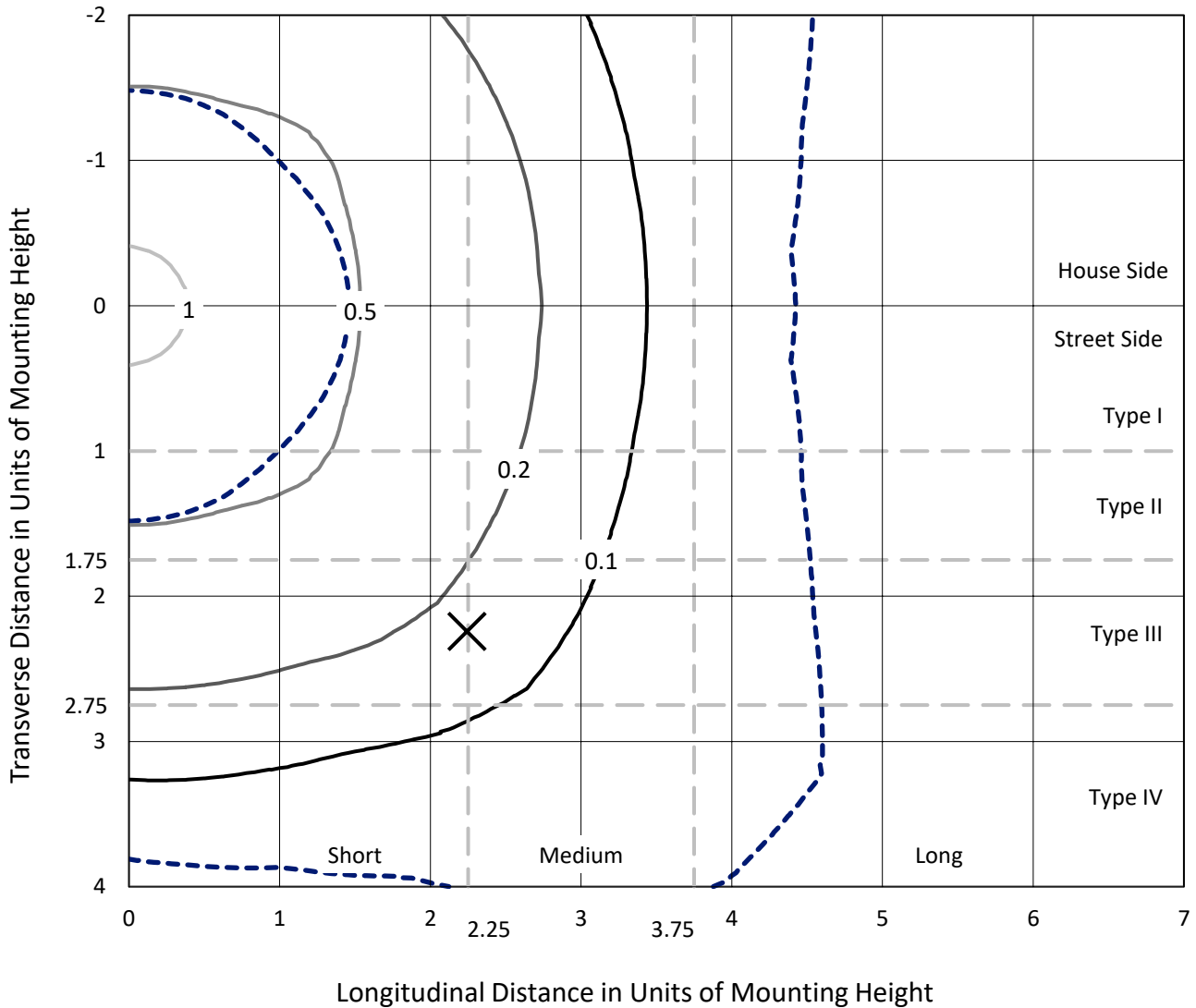
Input Watts (W): 72.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

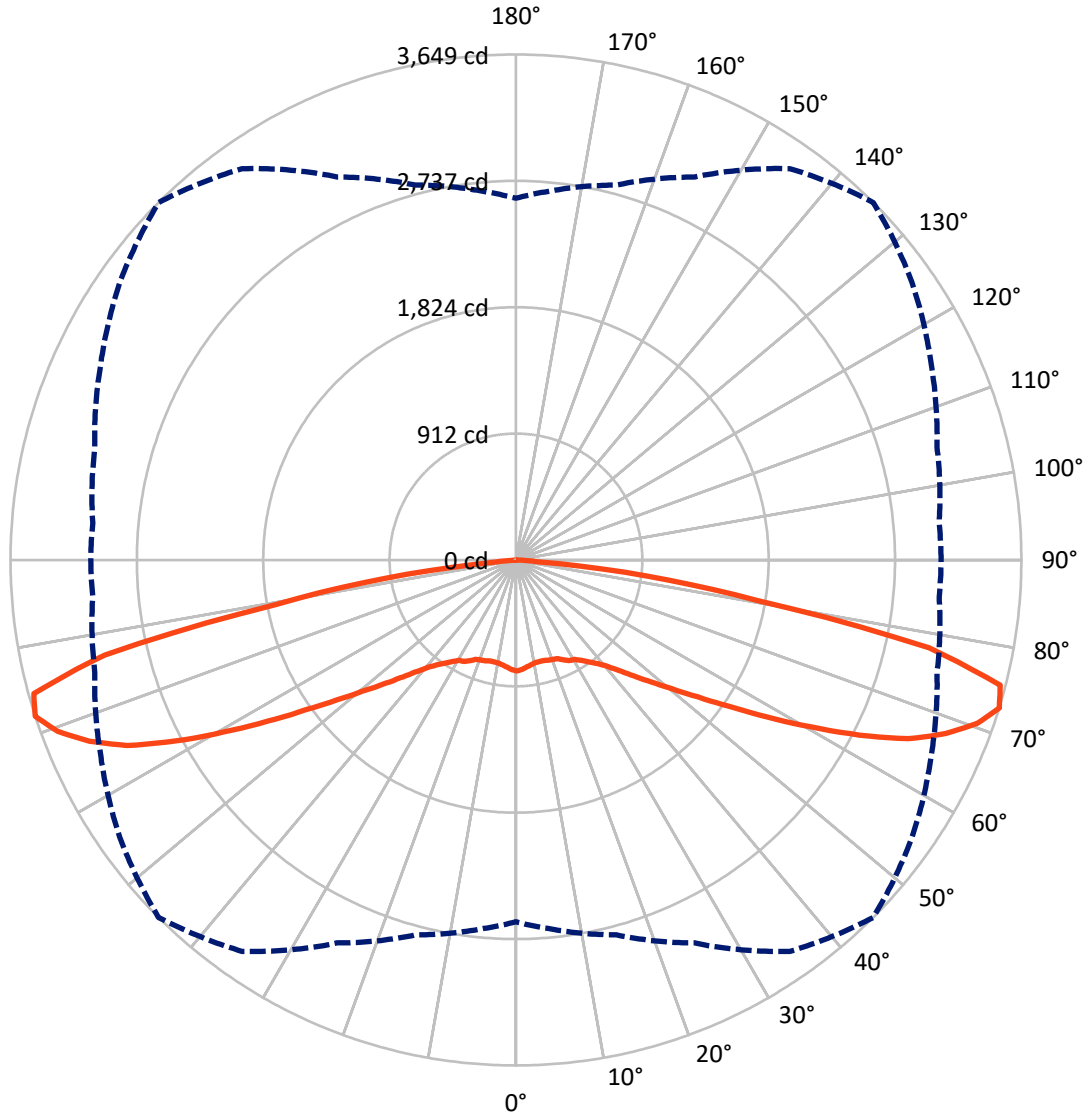
✕ Max cd  
 - - - 1/2 Max cd



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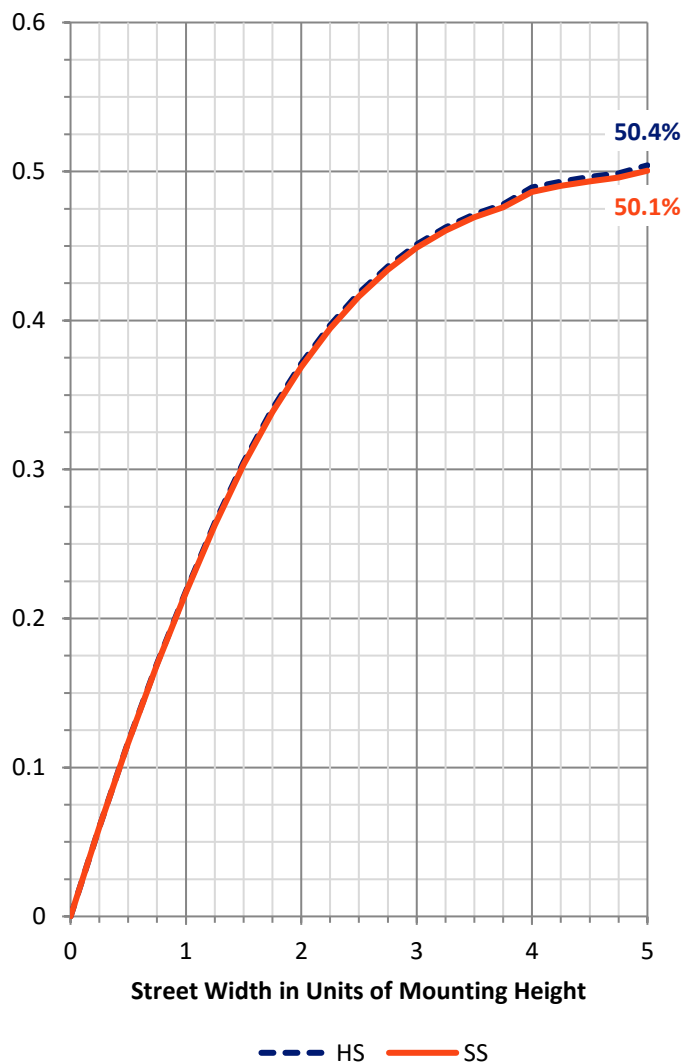
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4739.0	0.0	4739.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4739.0	0.0	4739.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9478.0	0.0	9478.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	0.8
10°-20°	216.0	2.3
20°-30°	369.6	3.9
30°-40°	569.5	6.0
40°-50°	943.0	9.9
50°-60°	1640.7	17.3
60°-70°	2730.8	28.8
70°-80°	2678.8	28.3
80°-90°	256.0	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°	9478.0	100.0
0°-180°	9478.0	100.0

**Coefficient of Utilization**



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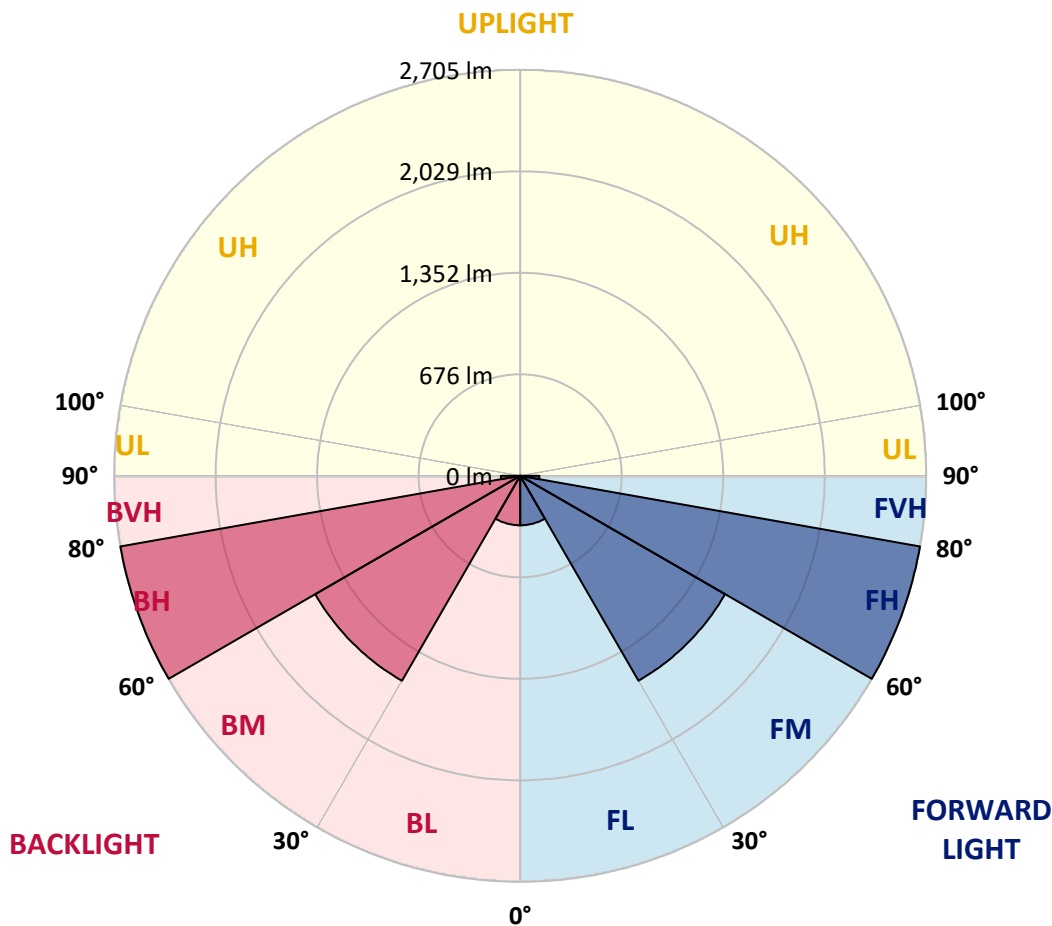
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.6	3.5			
FM (30°-60°)	1576.6	16.6			
FH (60°-80°)	2704.8	28.5			G2/5000
FVH (80°-90°)	128.0	1.4			G2/225
BL (0°-30°)	329.6	3.5	B1/500		
BM (30°-60°)	1576.6	16.6	B2/2500		
BH (60°-80°)	2704.8	28.5	B4/5000		G2/5000
BVH (80°-90°)	128.0	1.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0	801.0
2.5°	792.6	794.7	790.5	790.5	792.6	792.6	790.5	794.7	794.7	798.9	794.7
5°	775.7	777.8	775.7	775.7	775.7	777.8	777.8	779.9	779.9	782.0	784.1
7.5°	763.0	765.2	763.0	760.9	763.0	765.2	767.3	769.4	769.4	771.5	769.4
10°	760.9	763.0	758.8	754.6	752.5	754.6	752.5	760.9	765.2	767.3	769.4
12.5°	765.2	767.3	763.0	754.6	750.4	752.5	752.5	756.7	765.2	769.4	771.5
15°	767.3	769.4	760.9	752.5	752.5	752.5	752.5	754.6	763.0	767.3	769.4
17.5°	773.6	775.7	769.4	758.8	758.8	760.9	756.7	758.8	760.9	771.5	771.5
20°	779.9	784.1	771.5	767.3	767.3	765.2	763.0	765.2	769.4	779.9	775.7
22.5°	796.8	794.7	786.2	782.0	777.8	773.6	771.5	775.7	779.9	788.3	786.2
25°	807.3	807.3	801.0	796.8	803.1	798.9	794.7	792.6	792.6	798.9	798.9
27.5°	813.6	811.5	807.3	807.3	813.6	822.1	813.6	805.2	801.0	805.2	803.1
30°	830.5	832.6	824.2	824.2	828.4	832.6	828.4	822.1	817.9	826.3	828.4
32.5°	860.0	862.1	853.7	849.5	851.6	864.2	853.7	845.3	849.5	857.9	855.8
35°	906.4	904.3	893.7	883.2	887.4	902.2	889.5	887.4	893.7	902.2	906.4
37.5°	954.9	957.0	946.4	931.7	929.6	946.4	940.1	940.1	948.5	961.2	959.1
40°	1030.7	1028.6	1018.1	992.8	994.9	1005.5	1007.6	1011.8	1026.5	1032.9	1030.7
42.5°	1113.0	1113.0	1098.2	1077.1	1079.2	1089.8	1091.9	1094.0	1104.5	1123.5	1117.2
45°	1224.7	1220.5	1203.6	1182.5	1180.4	1193.1	1195.2	1195.2	1209.9	1222.6	1218.3
47.5°	1330.1	1332.2	1317.4	1300.6	1302.7	1315.3	1317.4	1311.1	1319.5	1332.2	1338.5
50°	1452.3	1452.3	1448.1	1429.1	1446.0	1460.8	1456.5	1454.4	1462.9	1465.0	1458.6
52.5°	1589.3	1597.8	1591.4	1587.2	1614.6	1642.0	1637.8	1610.4	1606.2	1612.5	1606.2
55°	1758.0	1755.9	1762.2	1776.9	1825.4	1859.1	1842.3	1808.6	1793.8	1781.1	1785.4
57.5°	1922.4	1935.0	1945.6	1981.4	2065.7	2135.3	2101.5	2032.0	1989.8	1964.5	1966.6
60°	2086.8	2103.7	2133.2	2204.8	2352.4	2447.2	2415.6	2291.3	2217.5	2179.5	2169.0
62.5°	2282.8	2291.3	2322.9	2419.8	2632.7	2782.4	2708.6	2537.9	2440.9	2398.8	2379.8
65°	2491.5	2502.0	2544.2	2647.5	2927.8	3111.2	2995.3	2805.6	2681.2	2624.3	2605.3
67.5°	2681.2	2708.6	2750.8	2881.5	3189.2	3345.2	3222.9	3050.1	2942.6	2864.6	2873.0
70°	2864.6	2875.1	2934.2	3052.2	3374.7	3532.8	3391.6	3273.5	3161.8	3081.7	3107.0
72.5°	2611.6	2670.7	2801.4	3050.1	3448.5	3648.7	3490.6	3309.4	3147.0	3066.9	3069.1
75°	1892.9	1947.7	2084.7	2411.4	3185.0	3610.8	3389.5	3056.4	2782.4	2674.9	2658.0
77.5°	1298.4	1287.9	1412.3	1675.8	2225.9	3048.0	2932.0	2367.1	1956.1	1715.8	1736.9
80°	354.1	375.2	545.9	916.9	1473.4	1762.2	1779.0	1250.0	779.9	573.3	567.0
82.5°	82.2	88.5	130.7	225.5	545.9	952.8	562.8	295.1	202.4	134.9	99.1
85°	16.9	16.9	21.1	40.0	113.8	145.4	94.9	69.6	67.5	35.8	33.7
87.5°	2.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1
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)