

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: P511094

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511094  
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-PA1A-740-U-5WQ  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

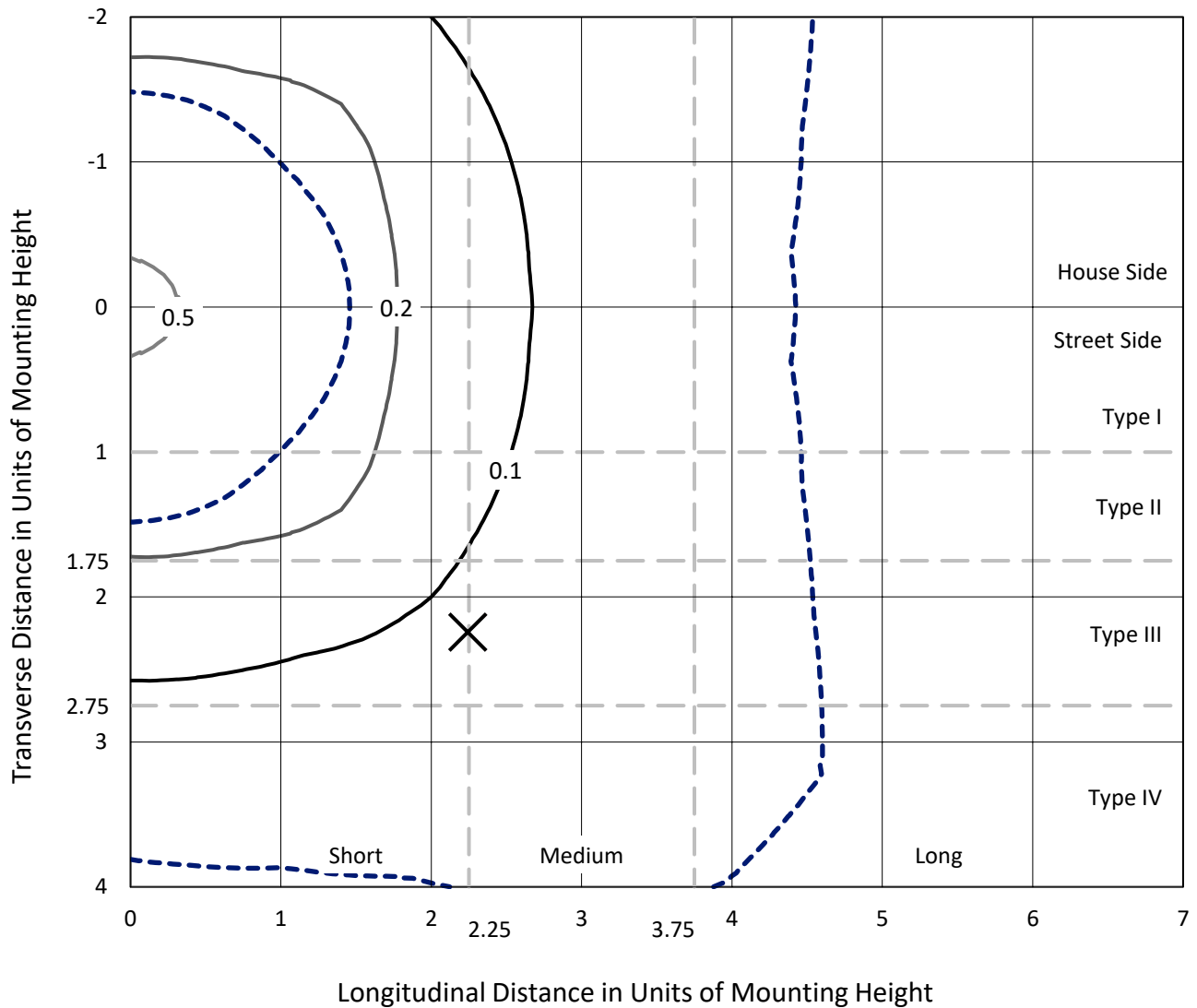
Lumens per Lamp: N/A  
Luminaire Lumens: 4497 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

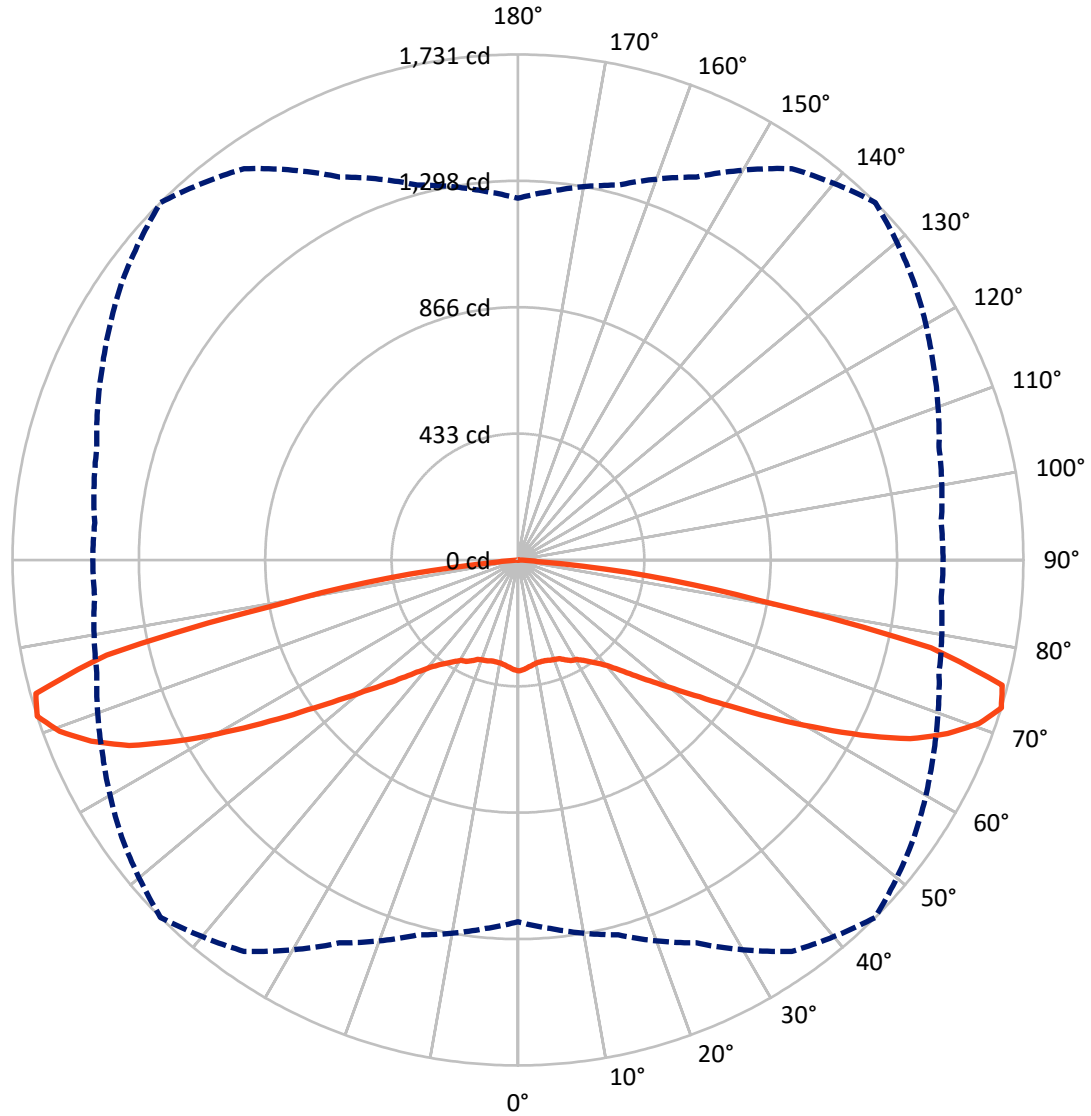
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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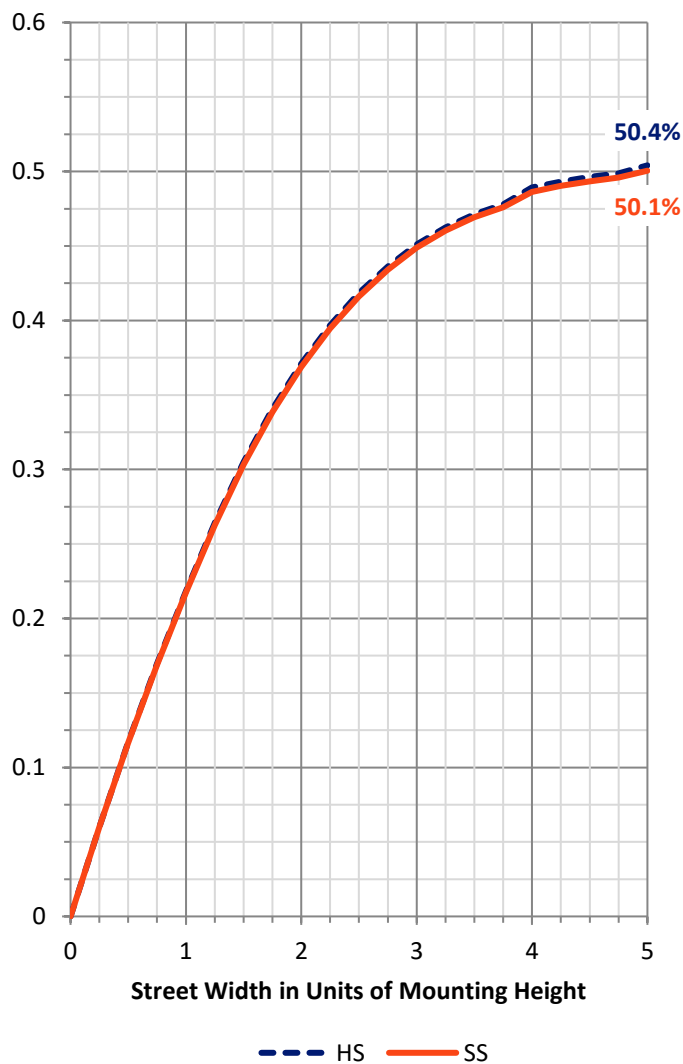
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2248.5	0.0	2248.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2248.5	0.0	2248.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4497.0	0.0	4497.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.0	0.8
10°-20°	102.5	2.3
20°-30°	175.3	3.9
30°-40°	270.2	6.0
40°-50°	447.4	9.9
50°-60°	778.5	17.3
60°-70°	1295.6	28.8
70°-80°	1271.0	28.3
80°-90°	121.5	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°	4497.0	100.0
0°-180°	4497.0	100.0

**Coefficient of Utilization**



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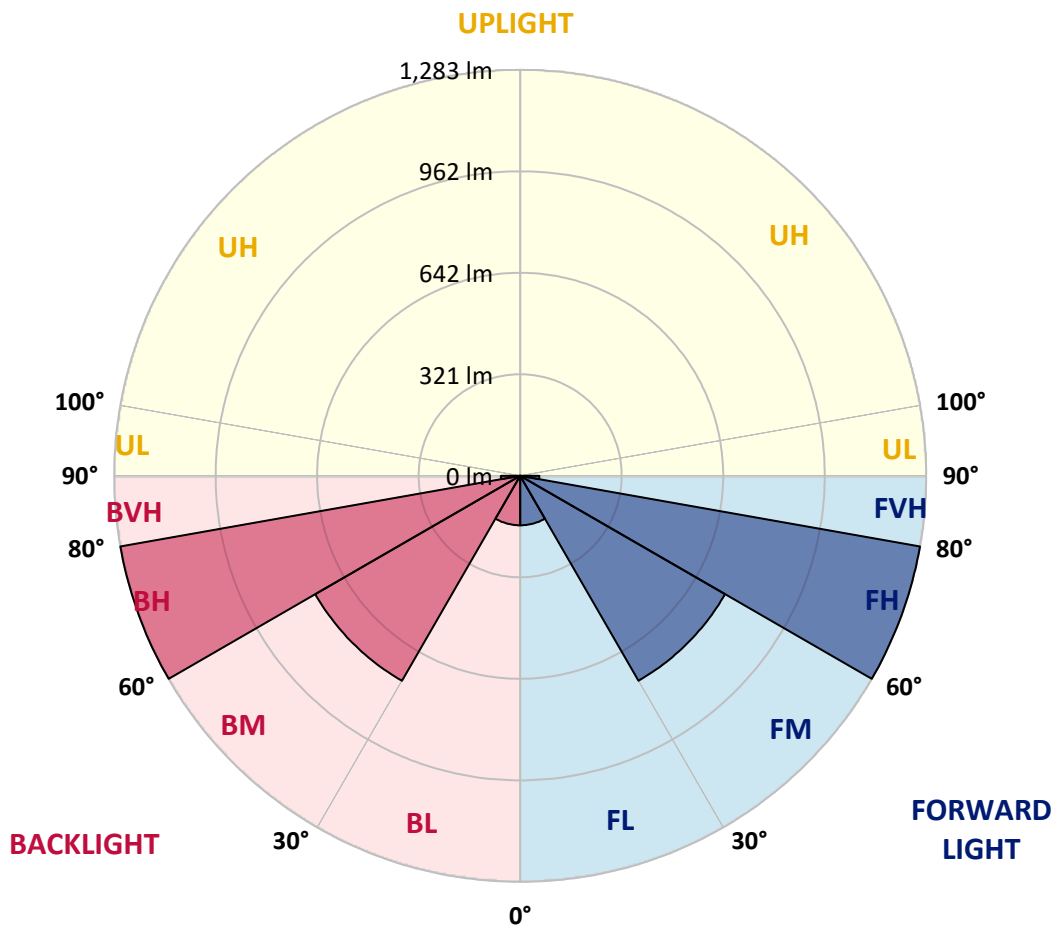
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.4	3.5			
FM (30°-60°)	748.1	16.6			
FH (60°-80°)	1283.3	28.5			G1/1800
FVH (80°-90°)	60.7	1.4			G1/100
BL (0°-30°)	156.4	3.5	B1/500		
BM (30°-60°)	748.1	16.6	B1/1000		
BH (60°-80°)	1283.3	28.5	B3/2500		G1/1800
BVH (80°-90°)	60.7	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
2.5°	376.0	377.0	375.0	375.0	376.0	376.0	375.0	377.0	377.0	379.0	377.0
5°	368.0	369.0	368.0	368.0	368.0	369.0	369.0	370.0	370.0	371.0	372.0
7.5°	362.0	363.0	362.0	361.0	362.0	363.0	364.0	365.0	365.0	366.0	365.0
10°	361.0	362.0	360.0	358.0	357.0	358.0	357.0	361.0	363.0	364.0	365.0
12.5°	363.0	364.0	362.0	358.0	356.0	357.0	357.0	359.0	363.0	365.0	366.0
15°	364.0	365.0	361.0	357.0	357.0	357.0	357.0	358.0	362.0	364.0	365.0
17.5°	367.0	368.0	365.0	360.0	360.0	361.0	359.0	360.0	361.0	366.0	366.0
20°	370.0	372.0	366.0	364.0	364.0	363.0	362.0	363.0	365.0	370.0	368.0
22.5°	378.0	377.0	373.0	371.0	369.0	367.0	366.0	368.0	370.0	374.0	373.0
25°	383.0	383.0	380.0	378.0	381.0	379.0	377.0	376.0	376.0	379.0	379.0
27.5°	386.0	385.0	383.0	383.0	386.0	390.0	386.0	382.0	380.0	382.0	381.0
30°	394.0	395.0	391.0	391.0	393.0	395.0	393.0	390.0	388.0	392.0	393.0
32.5°	408.0	409.0	405.0	403.0	404.0	410.0	405.0	401.0	403.0	407.0	406.0
35°	430.0	429.0	424.0	419.0	421.0	428.0	422.0	421.0	424.0	428.0	430.0
37.5°	453.1	454.1	449.1	442.1	441.1	449.1	446.1	446.1	450.1	456.1	455.1
40°	489.1	488.1	483.1	471.1	472.1	477.1	478.1	480.1	487.1	490.1	489.1
42.5°	528.1	528.1	521.1	511.1	512.1	517.1	518.1	519.1	524.1	533.1	530.1
45°	581.1	579.1	571.1	561.1	560.1	566.1	567.1	567.1	574.1	580.1	578.1
47.5°	631.1	632.1	625.1	617.1	618.1	624.1	625.1	622.1	626.1	632.1	635.1
50°	689.1	689.1	687.1	678.1	686.1	693.1	691.1	690.1	694.1	695.1	692.1
52.5°	754.1	758.1	755.1	753.1	766.1	779.1	777.1	764.1	762.1	765.1	762.1
55°	834.1	833.1	836.1	843.1	866.1	882.1	874.1	858.1	851.1	845.1	847.1
57.5°	912.1	918.1	923.1	940.1	980.1	1013.1	997.1	964.1	944.1	932.1	933.1
60°	990.1	998.1	1012.1	1046.1	1116.1	1161.1	1146.1	1087.1	1052.1	1034.1	1029.1
62.5°	1083.1	1087.1	1102.1	1148.1	1249.1	1320.2	1285.1	1204.1	1158.1	1138.1	1129.1
65°	1182.1	1187.1	1207.1	1256.1	1389.2	1476.2	1421.2	1331.2	1272.1	1245.1	1236.1
67.5°	1272.1	1285.1	1305.1	1367.2	1513.2	1587.2	1529.2	1447.2	1396.2	1359.2	1363.2
70°	1359.2	1364.2	1392.2	1448.2	1601.2	1676.2	1609.2	1553.2	1500.2	1462.2	1474.2
72.5°	1239.1	1267.1	1329.2	1447.2	1636.2	1731.2	1656.2	1570.2	1493.2	1455.2	1456.2
75°	898.1	924.1	989.1	1144.1	1511.2	1713.2	1608.2	1450.2	1320.2	1269.1	1261.1
77.5°	616.1	611.1	670.1	795.1	1056.1	1446.2	1391.2	1123.1	928.1	814.1	824.1
80°	168.0	178.0	259.0	435.0	699.1	836.1	844.1	593.1	370.0	272.0	269.0
82.5°	39.0	42.0	62.0	107.0	259.0	452.1	267.0	140.0	96.0	64.0	47.0
85°	8.0	8.0	10.0	19.0	54.0	69.0	45.0	33.0	32.0	17.0	16.0
87.5°	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
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)