

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: P511310

Luminaire Tested: **PRV-P-PA1D-740-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511310
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-PA1D-740-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11280 lumens
Efficiency: N/A
Efficacy: 120.8 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

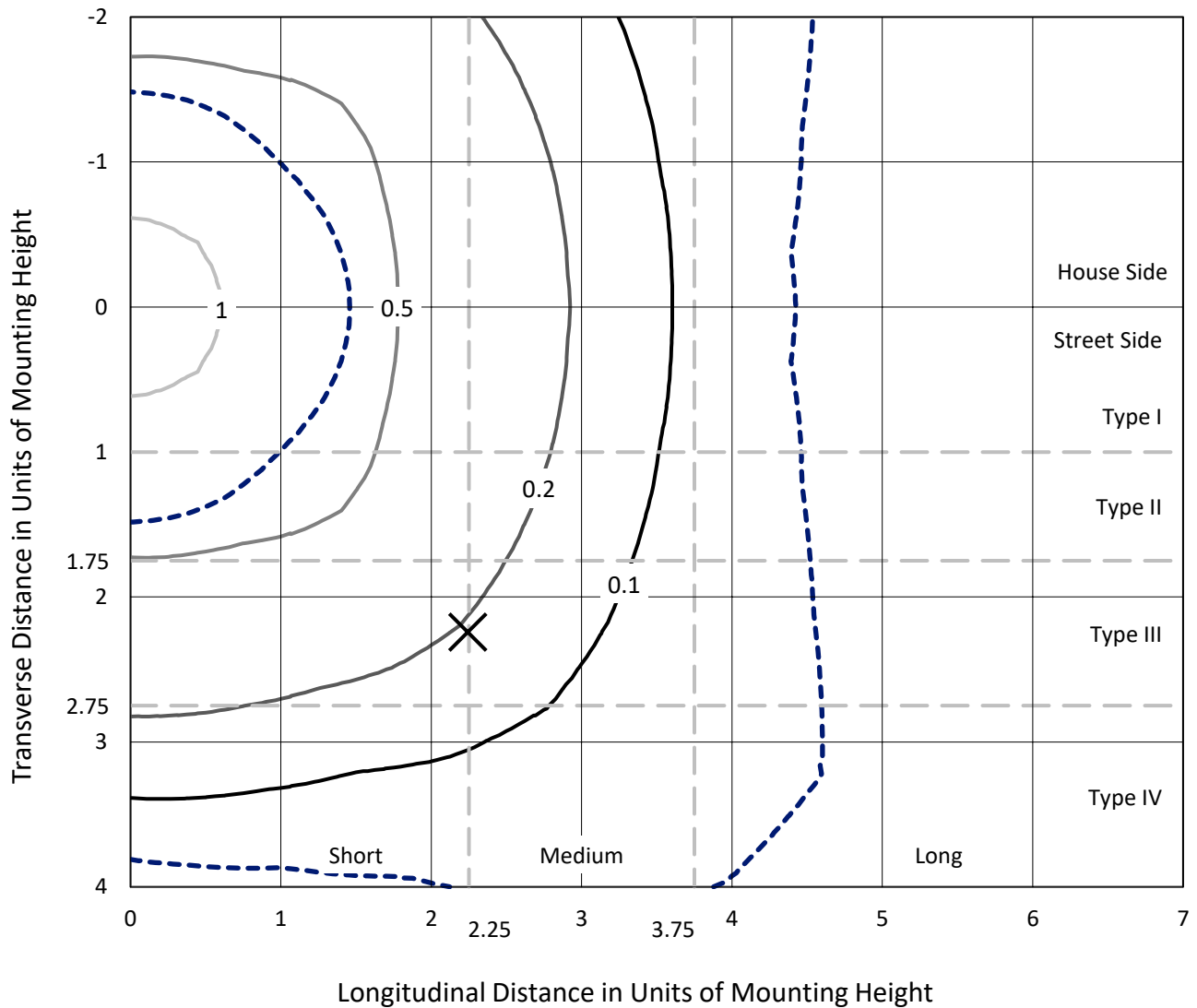
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

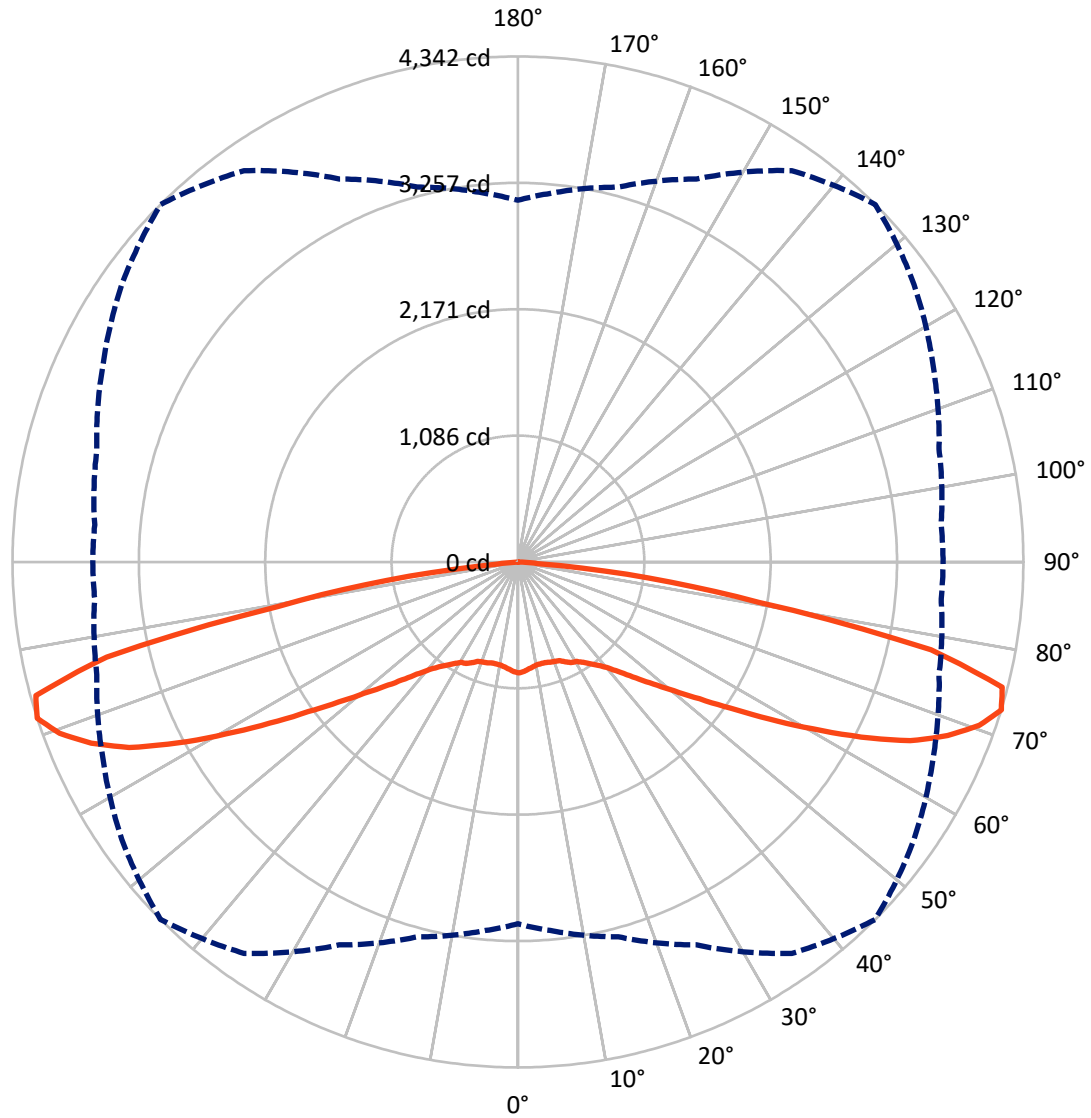
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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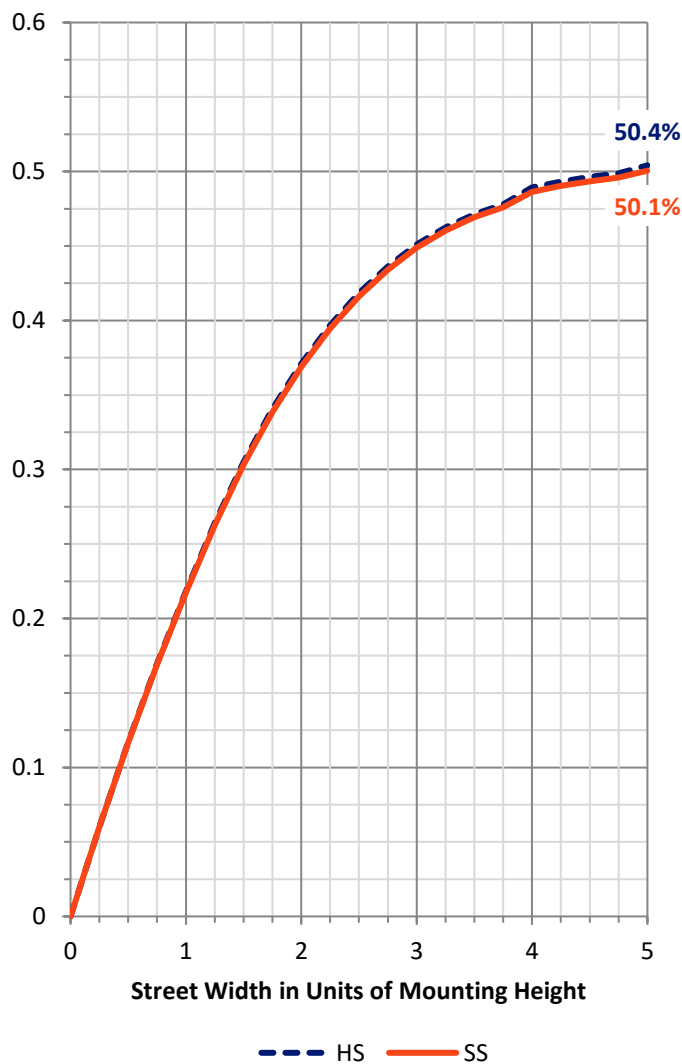
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5640.0	0.0	5640.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5640.0	0.0	5640.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11280.0	0.0	11280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	0.8
10°-20°	257.0	2.3
20°-30°	439.9	3.9
30°-40°	677.8	6.0
40°-50°	1122.2	9.9
50°-60°	1952.6	17.3
60°-70°	3249.9	28.8
70°-80°	3188.1	28.3
80°-90°	304.7	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°	11280.0	100.0
0°-180°	11280.0	100.0

Coefficient of Utilization



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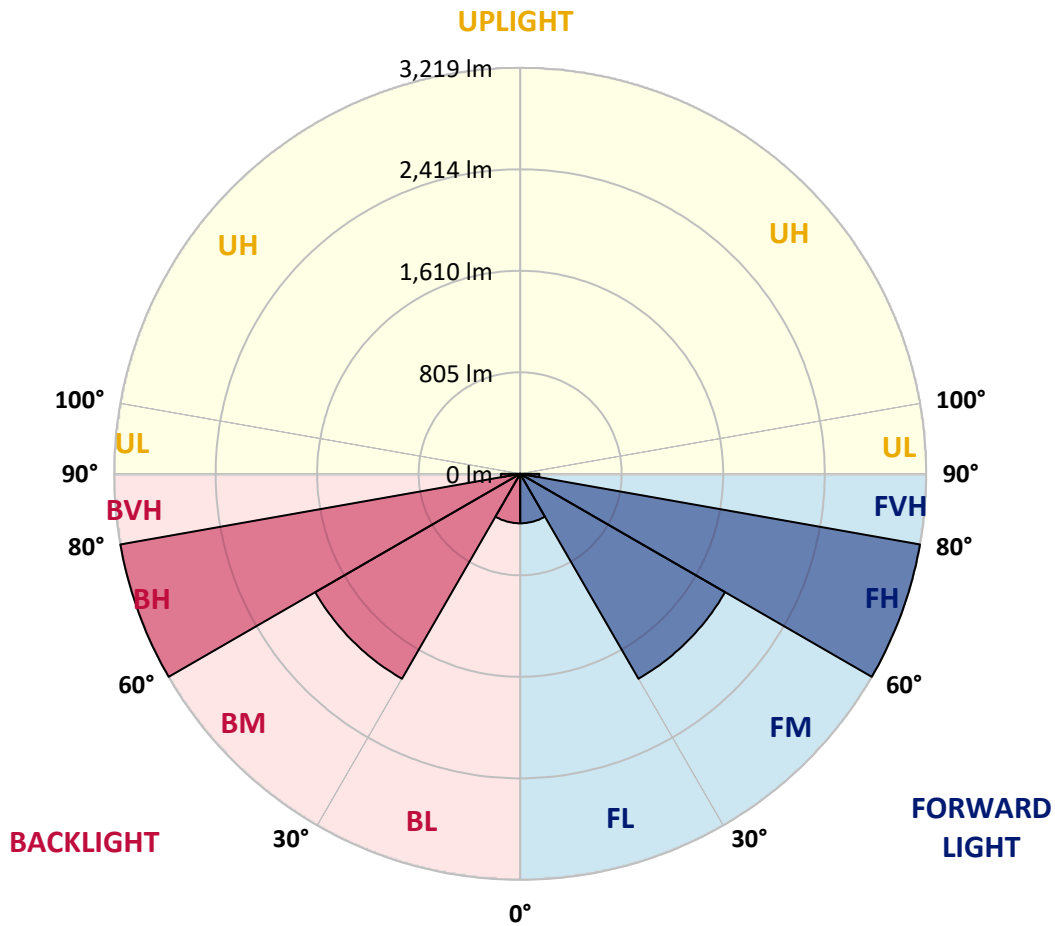
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.3	3.5			
FM (30°-60°)	1876.3	16.6			
FH (60°-80°)	3219.0	28.5			G2/5000
FVH (80°-90°)	152.3	1.4			G2/225
BL (0°-30°)	392.3	3.5	B1/500		
BM (30°-60°)	1876.3	16.6	B2/2500		
BH (60°-80°)	3219.0	28.5	B4/5000		G2/5000
BVH (80°-90°)	152.3	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°	953.3	953.3	953.3	953.3	953.3	953.3	953.3	953.3	953.3	953.3	953.3
2.5°	943.2	945.8	940.7	940.7	943.2	943.2	940.7	945.8	945.8	950.8	945.8
5°	923.2	925.7	923.2	923.2	923.2	925.7	925.7	928.2	928.2	930.7	933.2
7.5°	908.1	910.6	908.1	905.6	908.1	910.6	913.1	915.6	915.6	918.2	915.6
10°	905.6	908.1	903.1	898.1	895.6	898.1	895.6	905.6	910.6	913.1	915.6
12.5°	910.6	913.1	908.1	898.1	893.1	895.6	895.6	900.6	910.6	915.6	918.2
15°	913.1	915.6	905.6	895.6	895.6	895.6	895.6	898.1	908.1	913.1	915.6
17.5°	920.7	923.2	915.6	903.1	903.1	905.6	900.6	903.1	905.6	918.2	918.2
20°	928.2	933.2	918.2	913.1	913.1	910.6	908.1	910.6	915.6	928.2	923.2
22.5°	948.3	945.8	935.7	930.7	925.7	920.7	918.2	923.2	928.2	938.2	935.7
25°	960.8	960.8	953.3	948.3	955.8	950.8	945.8	943.2	943.2	950.8	950.8
27.5°	968.3	965.8	960.8	960.8	968.3	978.4	968.3	958.3	953.3	958.3	955.8
30°	988.4	990.9	980.9	980.9	985.9	990.9	985.9	978.4	973.3	983.4	985.9
32.5°	1023.5	1026.0	1016.0	1011.0	1013.5	1028.5	1016.0	1006.0	1011.0	1021.0	1018.5
35°	1078.7	1076.2	1063.7	1051.1	1056.1	1073.7	1058.6	1056.1	1063.7	1073.7	1078.7
37.5°	1136.4	1138.9	1126.4	1108.8	1106.3	1126.4	1118.8	1118.8	1128.9	1143.9	1141.4
40°	1226.7	1224.2	1211.7	1181.6	1184.1	1196.6	1199.1	1204.1	1221.7	1229.2	1226.7
42.5°	1324.6	1324.6	1307.0	1281.9	1284.4	1297.0	1299.5	1302.0	1314.5	1337.1	1329.6
45°	1457.5	1452.5	1432.4	1407.3	1404.8	1419.9	1422.4	1422.4	1440.0	1455.0	1450.0
47.5°	1582.9	1585.5	1567.9	1547.8	1550.3	1565.4	1567.9	1560.4	1570.4	1585.5	1593.0
50°	1728.4	1728.4	1723.4	1700.8	1720.9	1738.5	1733.5	1731.0	1741.0	1743.5	1736.0
52.5°	1891.5	1901.5	1894.0	1889.0	1921.6	1954.2	1949.2	1916.6	1911.6	1919.1	1911.6
55°	2092.2	2089.7	2097.2	2114.8	2172.5	2212.6	2192.5	2152.4	2134.8	2119.8	2124.8
57.5°	2287.9	2302.9	2315.5	2358.1	2458.5	2541.2	2501.1	2418.3	2368.1	2338.0	2340.5
60°	2483.5	2503.6	2538.7	2624.0	2799.6	2912.5	2874.9	2726.9	2639.1	2593.9	2581.4
62.5°	2716.8	2726.9	2764.5	2879.9	3133.3	3311.4	3223.6	3020.4	2905.0	2854.8	2832.2
65°	2965.2	2977.7	3027.9	3150.8	3484.5	3702.7	3564.8	3339.0	3191.0	3123.2	3100.7
67.5°	3191.0	3223.6	3273.8	3429.3	3795.6	3981.2	3835.7	3630.0	3502.0	3409.2	3419.3
70°	3409.2	3421.8	3492.0	3632.5	4016.3	4204.5	4036.4	3895.9	3762.9	3667.6	3697.7
72.5°	3108.2	3178.4	3334.0	3630.0	4104.1	4342.4	4154.3	3938.5	3745.4	3650.1	3652.6
75°	2252.7	2318.0	2481.0	2869.9	3790.5	4297.3	4033.9	3637.5	3311.4	3183.4	3163.4
77.5°	1545.3	1532.8	1680.8	1994.4	2649.1	3627.5	3489.5	2817.2	2328.0	2042.0	2067.1
80°	421.4	446.5	649.7	1091.3	1753.5	2097.2	2117.3	1487.6	928.2	682.3	674.8
82.5°	97.8	105.4	155.5	268.4	649.7	1133.9	669.8	351.2	240.8	160.6	117.9
85°	20.1	20.1	25.1	47.7	135.5	173.1	112.9	82.8	80.3	42.6	40.1
87.5°	2.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	2.5	2.5	2.5
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)