

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: P381054

Luminaire Tested: **PRV-PA2A-730-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381054
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-PA2A-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 720mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14827 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

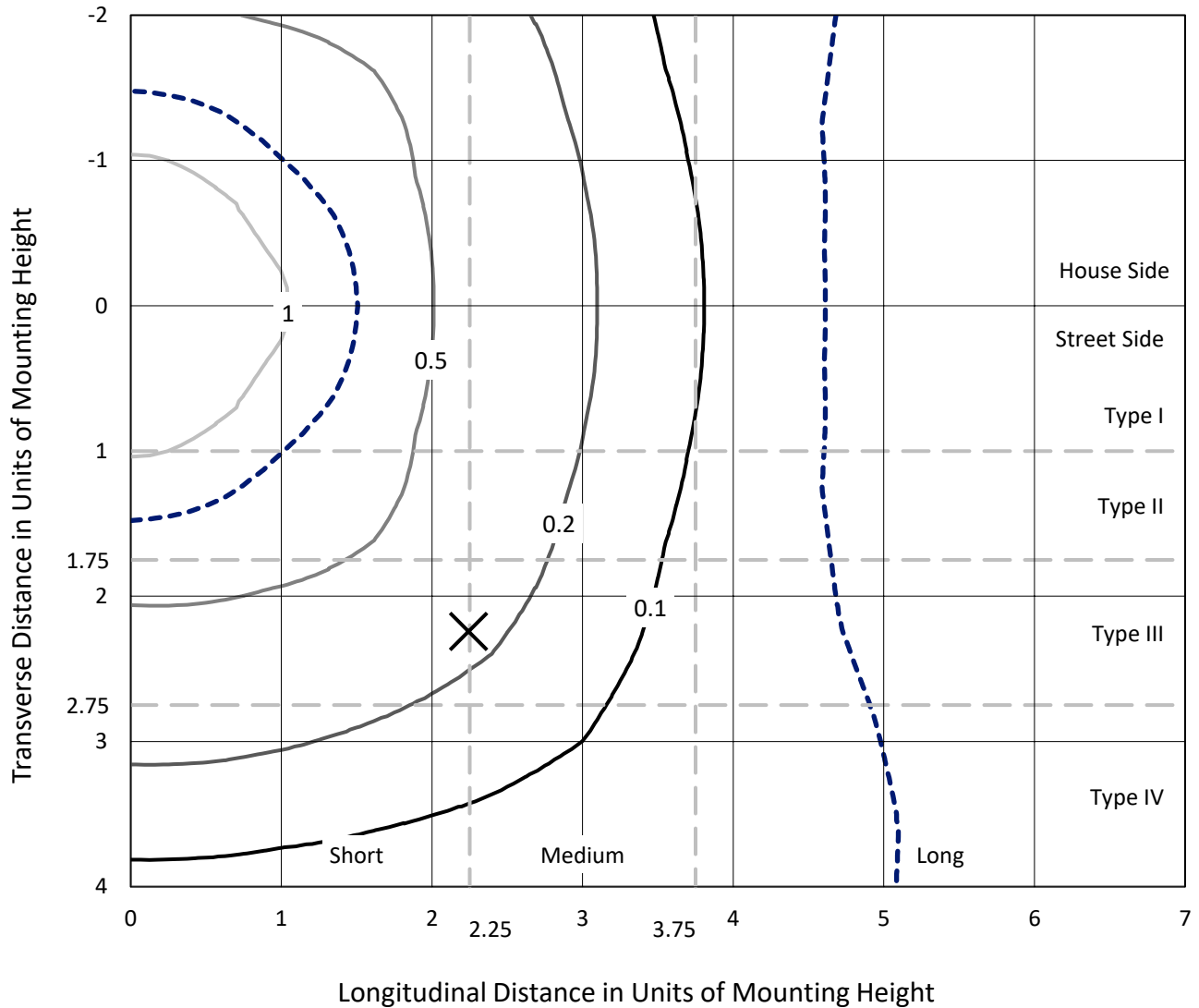
Input Watts (W): 112
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

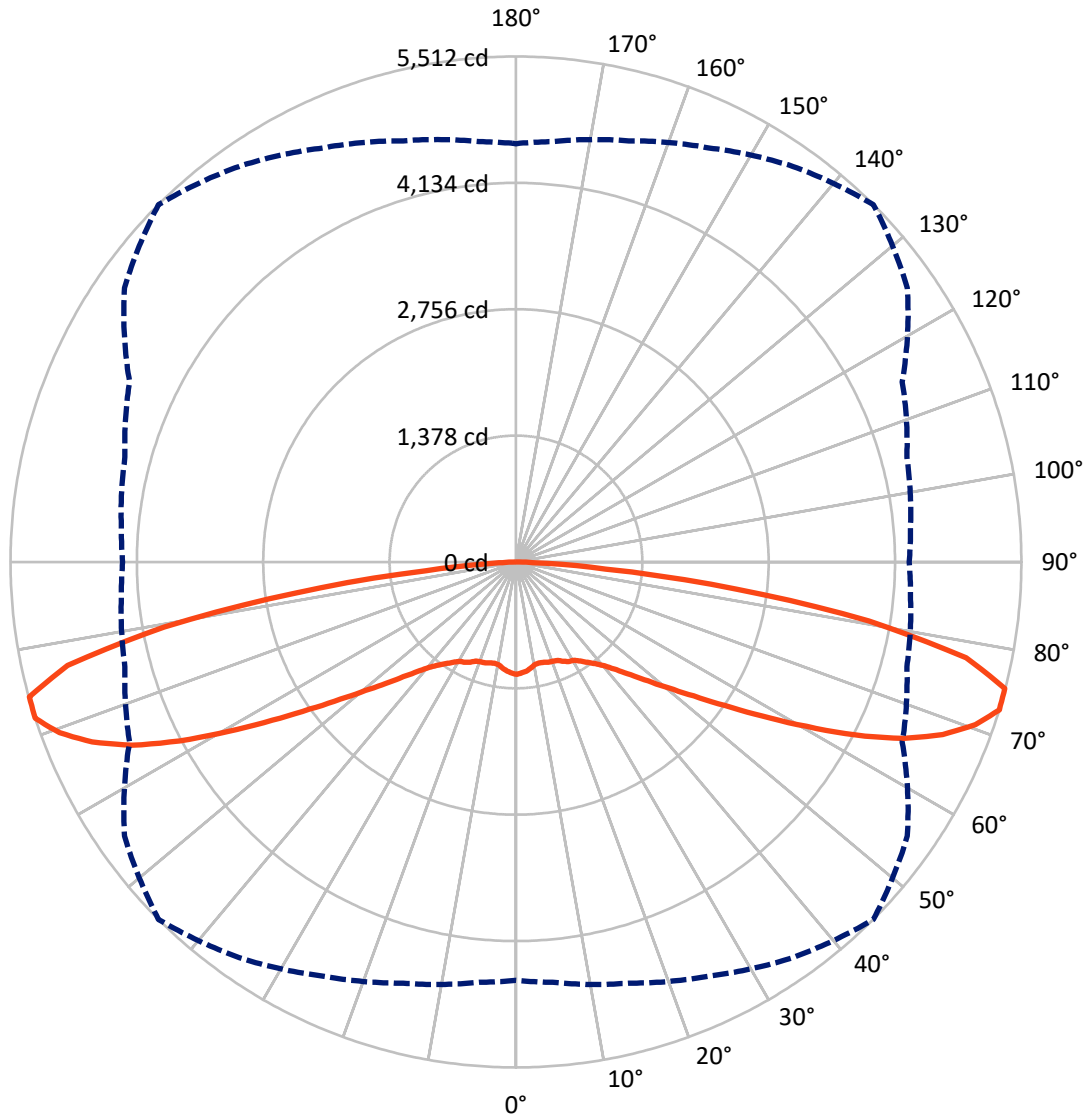
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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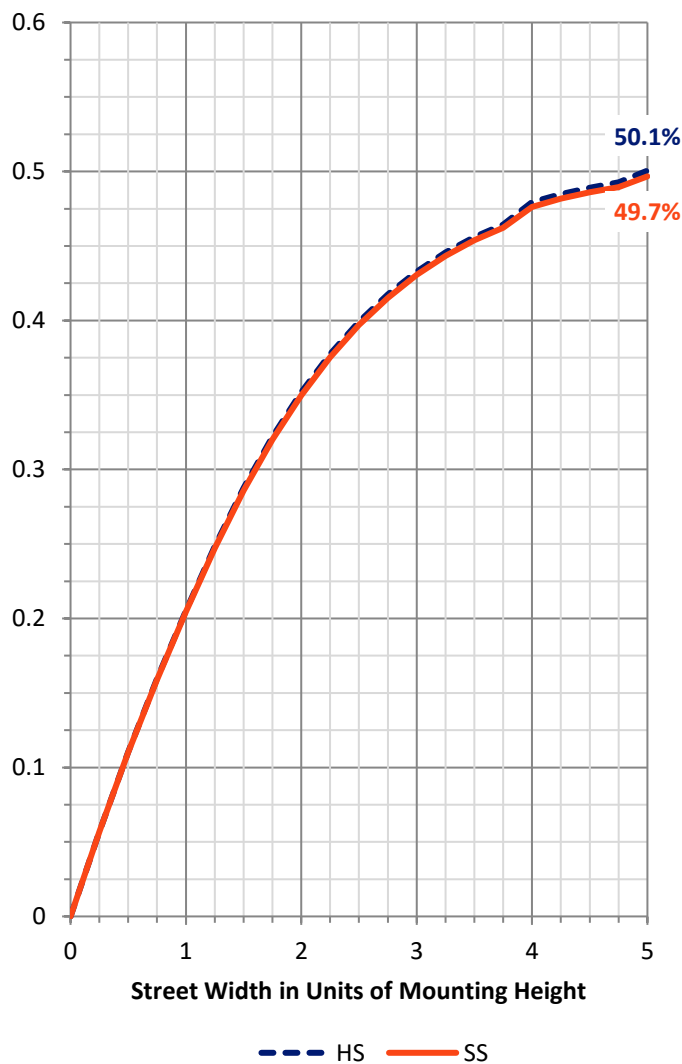
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7413.5	0.0	7413.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7413.5	0.0	7413.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14827.0	0.0	14827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	0.8
10°-20°	326.6	2.2
20°-30°	554.9	3.7
30°-40°	846.4	5.7
40°-50°	1393.7	9.4
50°-60°	2433.8	16.4
60°-70°	4080.3	27.5
70°-80°	4366.7	29.5
80°-90°	712.2	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°	14827.0	100.0
0°-180°	14827.0	100.0

Coefficient of Utilization



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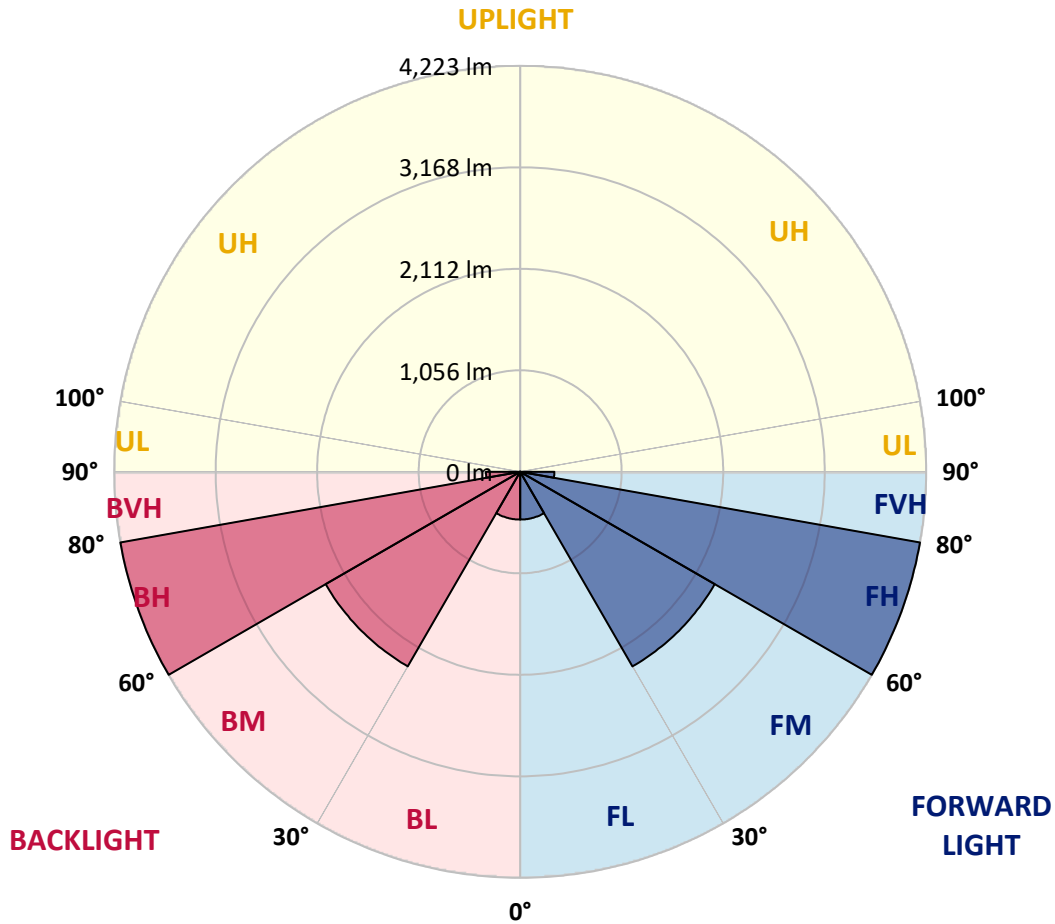
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.0	3.4			
FM (30°-60°)	2336.9	15.8			
FH (60°-80°)	4223.5	28.5			G2/5000
FVH (80°-90°)	356.1	2.4			G3/500
BL (0°-30°)	497.0	3.4	B1/500		
BM (30°-60°)	2336.9	15.8	B2/2500		
BH (60°-80°)	4223.5	28.5	B4/5000		G2/5000
BVH (80°-90°)	356.1	2.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0	1227.0
2.5°	1219.4	1219.4	1219.4	1217.5	1213.7	1211.8	1208.0	1209.9	1209.9	1209.9	1209.9
5°	1204.2	1204.2	1202.3	1200.4	1196.7	1194.8	1191.0	1194.8	1194.8	1194.8	1194.8
7.5°	1175.8	1177.7	1177.7	1175.8	1170.1	1168.3	1162.6	1164.5	1164.5	1166.4	1164.5
10°	1160.7	1160.7	1158.8	1149.3	1139.9	1136.1	1134.2	1139.9	1145.5	1151.2	1151.2
12.5°	1160.7	1160.7	1156.9	1141.7	1128.5	1128.5	1128.5	1136.1	1147.4	1158.8	1160.7
15°	1166.4	1166.4	1158.8	1141.7	1134.2	1136.1	1136.1	1143.6	1156.9	1172.0	1173.9
17.5°	1170.1	1170.1	1160.7	1143.6	1143.6	1149.3	1145.5	1151.2	1164.5	1181.5	1183.4
20°	1175.8	1175.8	1162.6	1149.3	1149.3	1155.0	1155.0	1160.7	1172.0	1189.1	1191.0
22.5°	1187.2	1185.3	1172.0	1160.7	1160.7	1164.5	1168.3	1175.8	1185.3	1200.4	1204.2
25°	1200.4	1200.4	1189.1	1187.2	1191.0	1200.4	1198.5	1196.7	1200.4	1213.7	1219.4
27.5°	1208.0	1208.0	1200.4	1206.1	1221.3	1228.8	1219.4	1211.8	1211.8	1225.1	1227.0
30°	1232.6	1230.7	1223.2	1227.0	1240.2	1244.0	1238.3	1228.8	1234.5	1249.7	1251.6
32.5°	1274.3	1274.3	1262.9	1262.9	1272.4	1287.5	1268.6	1262.9	1270.5	1287.5	1289.4
35°	1338.7	1338.7	1323.5	1315.9	1323.5	1344.3	1315.9	1314.0	1327.3	1346.2	1348.1
37.5°	1420.1	1420.1	1410.6	1391.7	1393.6	1406.8	1382.2	1380.3	1404.9	1425.8	1425.8
40°	1522.3	1528.0	1518.5	1495.8	1488.2	1490.1	1471.2	1473.1	1501.5	1526.1	1526.1
42.5°	1649.2	1653.0	1637.8	1620.8	1611.3	1605.6	1586.7	1590.5	1624.6	1656.8	1656.8
45°	1802.6	1804.5	1789.3	1768.5	1757.1	1753.3	1734.4	1743.9	1781.7	1815.8	1813.9
47.5°	1974.9	1976.8	1961.6	1940.8	1933.2	1938.9	1920.0	1920.0	1954.0	1982.4	1978.6
50°	2169.9	2173.7	2156.6	2147.2	2141.5	2156.6	2133.9	2113.1	2135.8	2164.2	2160.4
52.5°	2385.7	2395.2	2383.8	2387.6	2408.5	2427.4	2389.5	2344.1	2355.4	2374.4	2368.7
55°	2647.0	2658.4	2662.2	2675.4	2730.3	2762.5	2700.0	2624.3	2618.6	2620.5	2611.1
57.5°	2940.5	2948.1	2972.7	3003.0	3116.6	3167.7	3069.3	2938.6	2897.0	2872.4	2866.7
60°	3235.9	3249.1	3309.7	3372.2	3546.4	3639.2	3487.7	3268.1	3179.1	3133.6	3124.2
62.5°	3533.2	3559.7	3658.1	3764.2	4017.9	4156.1	3923.2	3605.1	3476.4	3419.6	3404.4
65°	3877.8	3910.0	4029.2	4163.7	4445.8	4640.8	4358.7	3953.5	3815.3	3739.5	3720.6
67.5°	4281.1	4315.2	4411.7	4561.3	4828.3	5019.5	4769.6	4309.5	4129.6	4033.0	4017.9
70°	4612.4	4642.7	4746.9	4898.3	5097.1	5314.9	5076.3	4593.5	4430.7	4362.5	4353.0
72.5°	4561.3	4601.1	4754.4	4981.6	5265.7	5511.8	5210.8	4648.4	4413.6	4318.9	4288.6
75°	3983.8	4027.4	4209.1	4620.0	5138.8	5506.1	5015.7	4283.0	4006.5	3927.0	3911.9
77.5°	2637.6	2679.2	2986.0	3633.5	4487.5	5017.6	4426.9	3588.1	3143.1	2951.9	2940.5
80°	1066.0	1119.0	1412.5	2099.8	3181.0	3900.5	3283.2	2296.7	1548.8	1249.7	1189.1
82.5°	248.0	295.4	429.8	774.4	1628.4	2429.3	1770.4	857.7	498.0	354.1	318.1
85°	104.1	106.0	183.7	251.8	509.3	980.8	579.4	312.4	253.7	185.6	181.8
87.5°	39.8	41.7	89.0	106.0	162.8	185.6	196.9	160.9	149.6	92.8	89.0
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)