

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: P381052

Luminaire Tested: **PRV-PA1A-730-U-5WQ**

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P381052
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-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 7132 lumens
Efficiency: N/A
Efficacy: 132.1 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

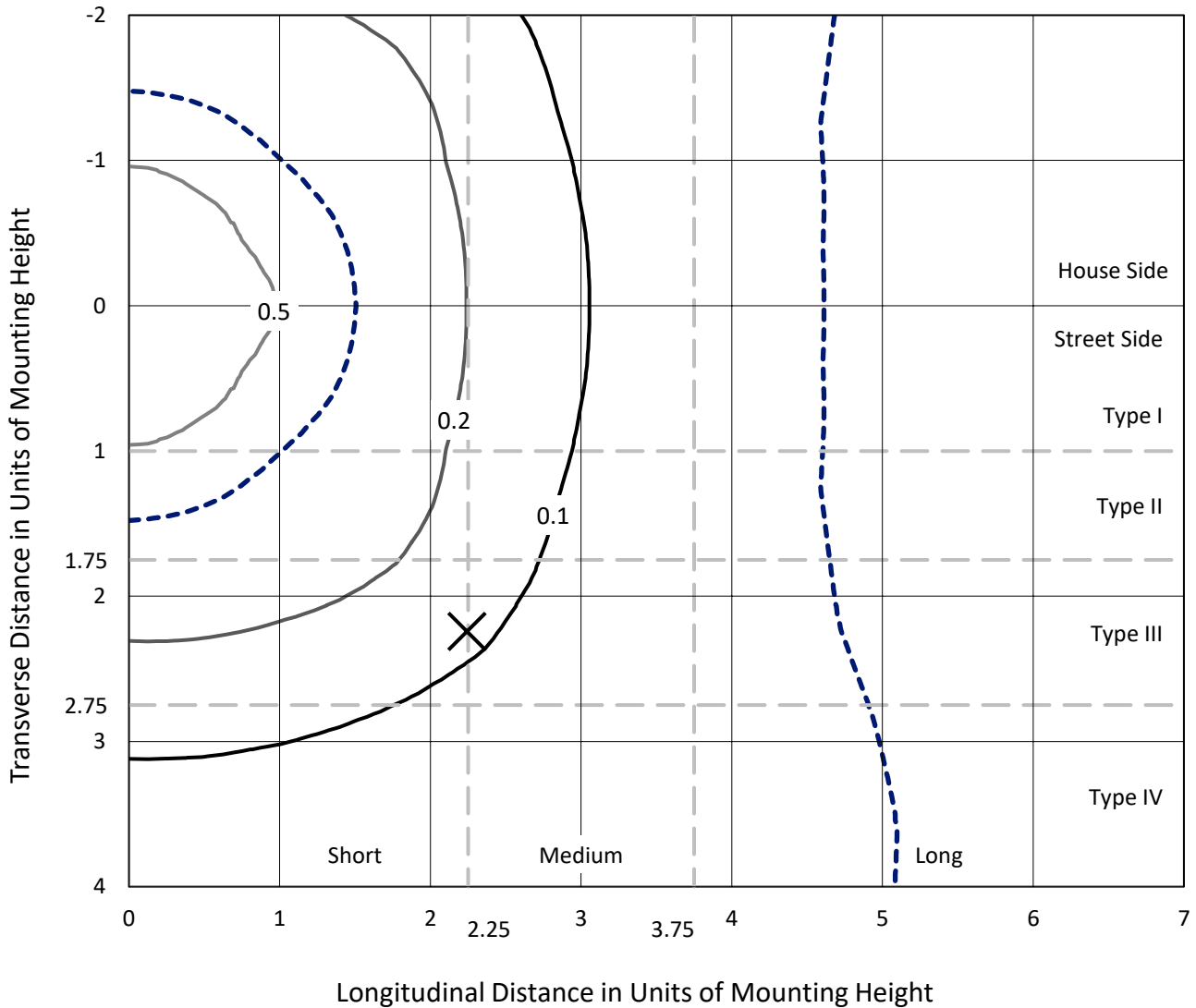
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P381052
 CATALOG NUMBER: PRV-PA1A-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

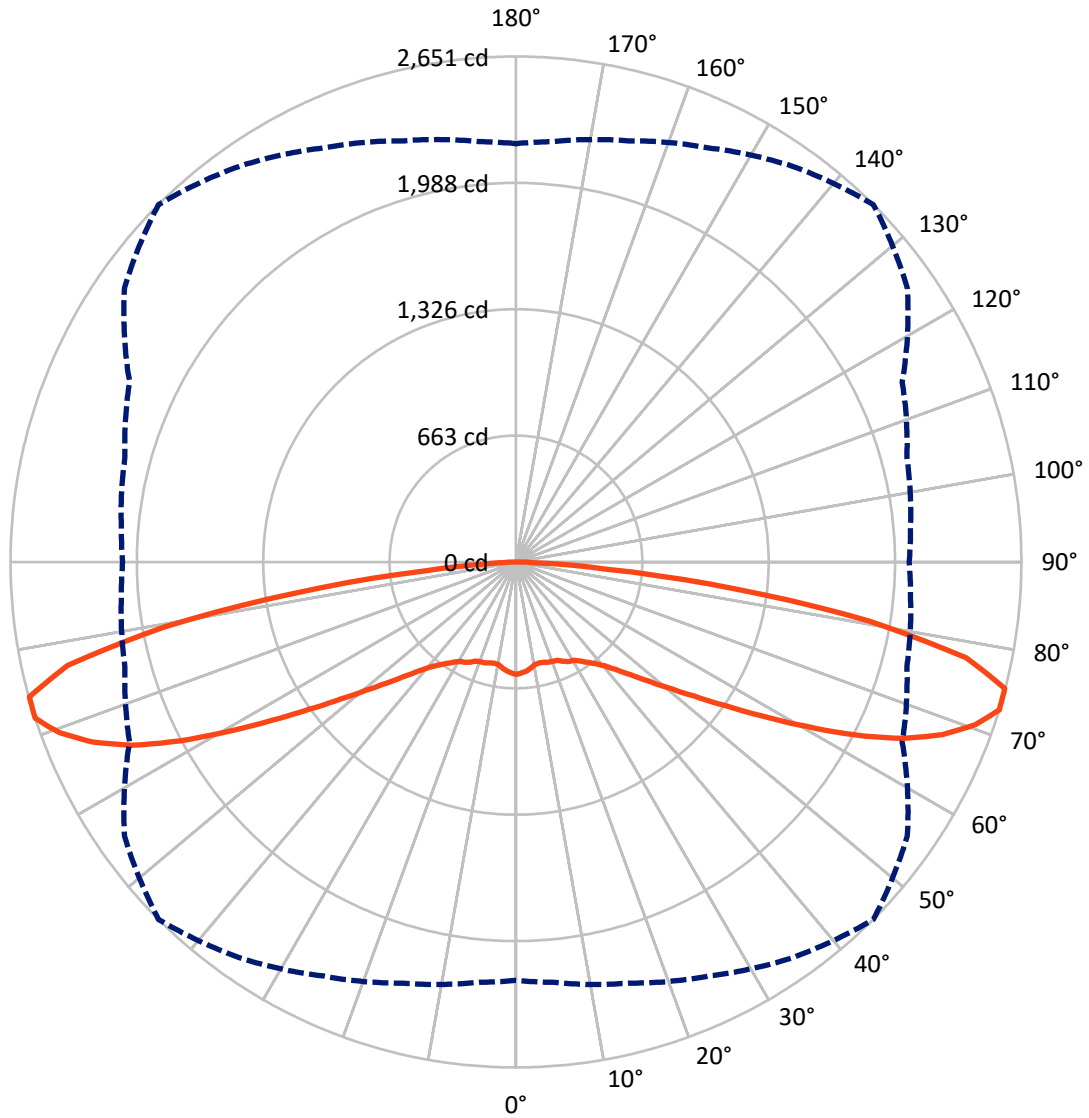
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P381052
CATALOG NUMBER: PRV-PA1A-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P381052
 CATALOG NUMBER: PRV-PA1A-730-U-5WQ

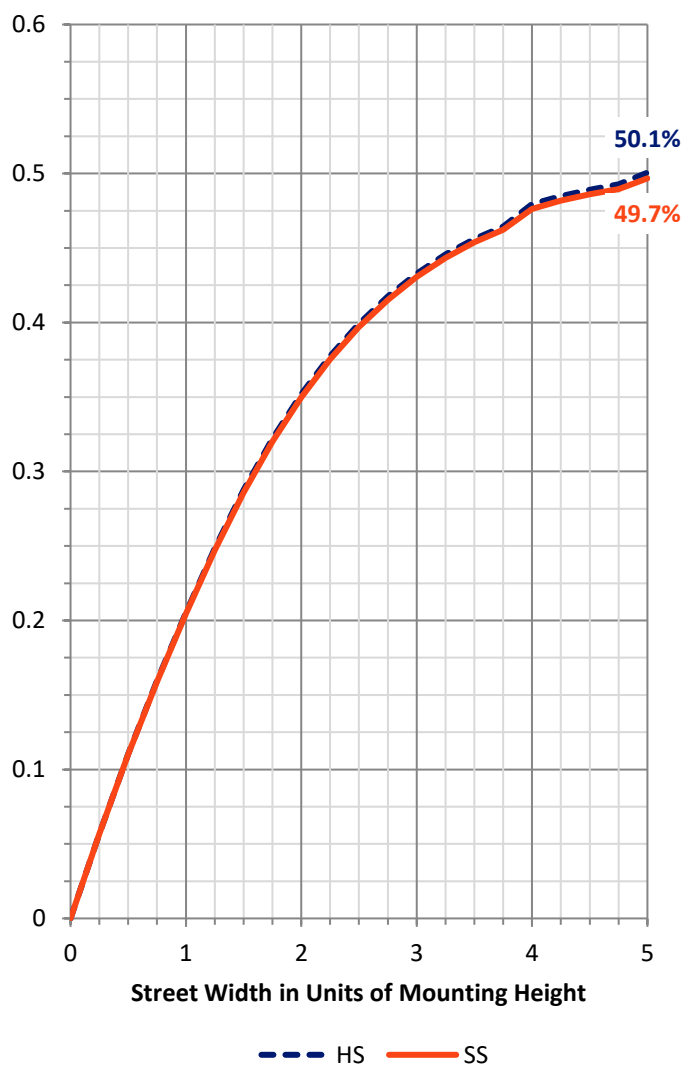
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3566.0	0.0	3566.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3566.0	0.0	3566.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7132.0	0.0	7132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	0.8
10°-20°	157.1	2.2
20°-30°	266.9	3.7
30°-40°	407.1	5.7
40°-50°	670.4	9.4
50°-60°	1170.7	16.4
60°-70°	1962.7	27.5
70°-80°	2100.4	29.5
80°-90°	342.6	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°	7132.0	100.0
0°-180°	7132.0	100.0

Coefficient of Utilization



REPORT NUMBER: P381052

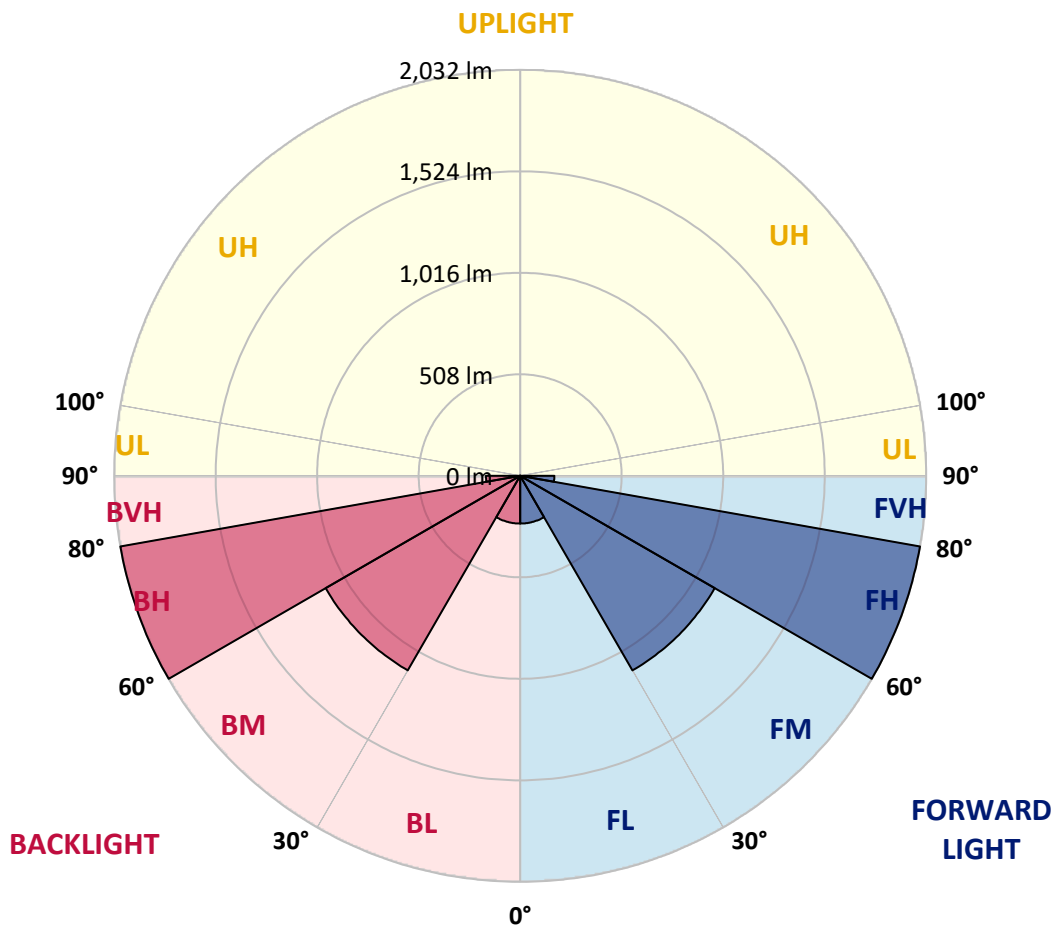
CATALOG NUMBER: PRV-PA1A-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.1	3.4			
FM (30°-60°)	1124.1	15.8			
FH (60°-80°)	2031.6	28.5			G2/5000
FVH (80°-90°)	171.3	2.4			G2/225
BL (0°-30°)	239.1	3.4	B1/500		
BM (30°-60°)	1124.1	15.8	B2/2500		
BH (60°-80°)	2031.6	28.5	B3/2500		G2/5000
BVH (80°-90°)	171.3	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





REPORT NUMBER: P381052

CATALOG NUMBER: PRV-PA1A-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	586.5	586.5	586.5	585.6	583.8	582.9	581.1	582.0	582.0	582.0	582.0
5°	579.3	579.3	578.3	577.4	575.6	574.7	572.9	574.7	574.7	574.7	574.7
7.5°	565.6	566.5	566.5	565.6	562.9	561.9	559.2	560.1	560.1	561.0	560.1
10°	558.3	558.3	557.4	552.8	548.3	546.5	545.6	548.3	551.0	553.8	553.8
12.5°	558.3	558.3	556.5	549.2	542.8	542.8	542.8	546.5	551.9	557.4	558.3
15°	561.0	561.0	557.4	549.2	545.6	546.5	546.5	550.1	556.5	563.8	564.7
17.5°	562.9	562.9	558.3	550.1	550.1	552.8	551.0	553.8	560.1	568.3	569.2
20°	565.6	565.6	559.2	552.8	552.8	555.6	555.6	558.3	563.8	572.0	572.9
22.5°	571.1	570.1	563.8	558.3	558.3	560.1	561.9	565.6	570.1	577.4	579.3
25°	577.4	577.4	572.0	571.1	572.9	577.4	576.5	575.6	577.4	583.8	586.5
27.5°	581.1	581.1	577.4	580.2	587.4	591.1	586.5	582.9	582.9	589.3	590.2
30°	592.9	592.0	588.4	590.2	596.6	598.4	595.6	591.1	593.8	601.1	602.0
32.5°	613.0	613.0	607.5	607.5	612.0	619.3	610.2	607.5	611.1	619.3	620.2
35°	643.9	643.9	636.6	633.0	636.6	646.6	633.0	632.1	638.5	647.6	648.5
37.5°	683.1	683.1	678.5	669.4	670.3	676.7	664.9	664.0	675.8	685.8	685.8
40°	732.3	735.0	730.4	719.5	715.9	716.8	707.7	708.6	722.2	734.1	734.1
42.5°	793.3	795.1	787.8	779.6	775.1	772.3	763.2	765.0	781.4	796.9	796.9
45°	867.1	868.0	860.7	850.7	845.2	843.4	834.3	838.8	857.0	873.4	872.5
47.5°	949.9	950.8	943.6	933.5	929.9	932.6	923.5	923.5	939.9	953.6	951.8
50°	1043.7	1045.6	1037.4	1032.8	1030.1	1037.4	1026.4	1016.4	1027.4	1041.0	1039.2
52.5°	1147.6	1152.1	1146.7	1148.5	1158.5	1167.6	1149.4	1127.5	1133.0	1142.1	1139.4
55°	1273.3	1278.7	1280.5	1286.9	1313.3	1328.8	1298.8	1262.3	1259.6	1260.5	1256.0
57.5°	1414.4	1418.1	1429.9	1444.5	1499.1	1523.7	1476.4	1413.5	1393.5	1381.6	1378.9
60°	1556.5	1562.9	1592.0	1622.1	1705.9	1750.5	1677.6	1572.0	1529.2	1507.3	1502.8
62.5°	1699.5	1712.3	1759.6	1810.6	1932.7	1999.1	1887.1	1734.1	1672.2	1644.9	1637.6
65°	1865.3	1880.7	1938.1	2002.8	2138.5	2232.3	2096.6	1901.7	1835.2	1798.8	1789.7
67.5°	2059.3	2075.7	2122.1	2194.1	2322.5	2414.5	2294.2	2072.9	1986.4	1939.9	1932.7
70°	2218.6	2233.2	2283.3	2356.2	2451.8	2556.5	2441.8	2209.5	2131.2	2098.4	2093.9
72.5°	2194.1	2213.2	2287.0	2396.2	2532.9	2651.3	2506.4	2235.9	2123.0	2077.5	2062.9
75°	1916.3	1937.2	2024.6	2222.3	2471.8	2648.5	2412.6	2060.2	1927.2	1888.9	1881.7
77.5°	1268.7	1288.7	1436.3	1747.8	2158.5	2413.5	2129.4	1725.9	1511.9	1419.9	1414.4
80°	512.8	538.3	679.4	1010.0	1530.1	1876.2	1579.3	1104.8	745.0	601.1	572.0
82.5°	119.3	142.1	206.7	372.5	783.3	1168.5	851.6	412.6	239.5	170.3	153.0
85°	50.1	51.0	88.3	121.1	245.0	471.8	278.7	150.3	122.0	89.3	87.4
87.5°	19.1	20.0	42.8	51.0	78.3	89.3	94.7	77.4	72.0	44.6	42.8
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)