

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: P511166

Luminaire Tested: **PRV-P-PA1B-8540-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511166
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-PA1B-8540-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 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: 5754.3 lumens
Efficiency: N/A
Efficacy: 109.0 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): 52.8
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



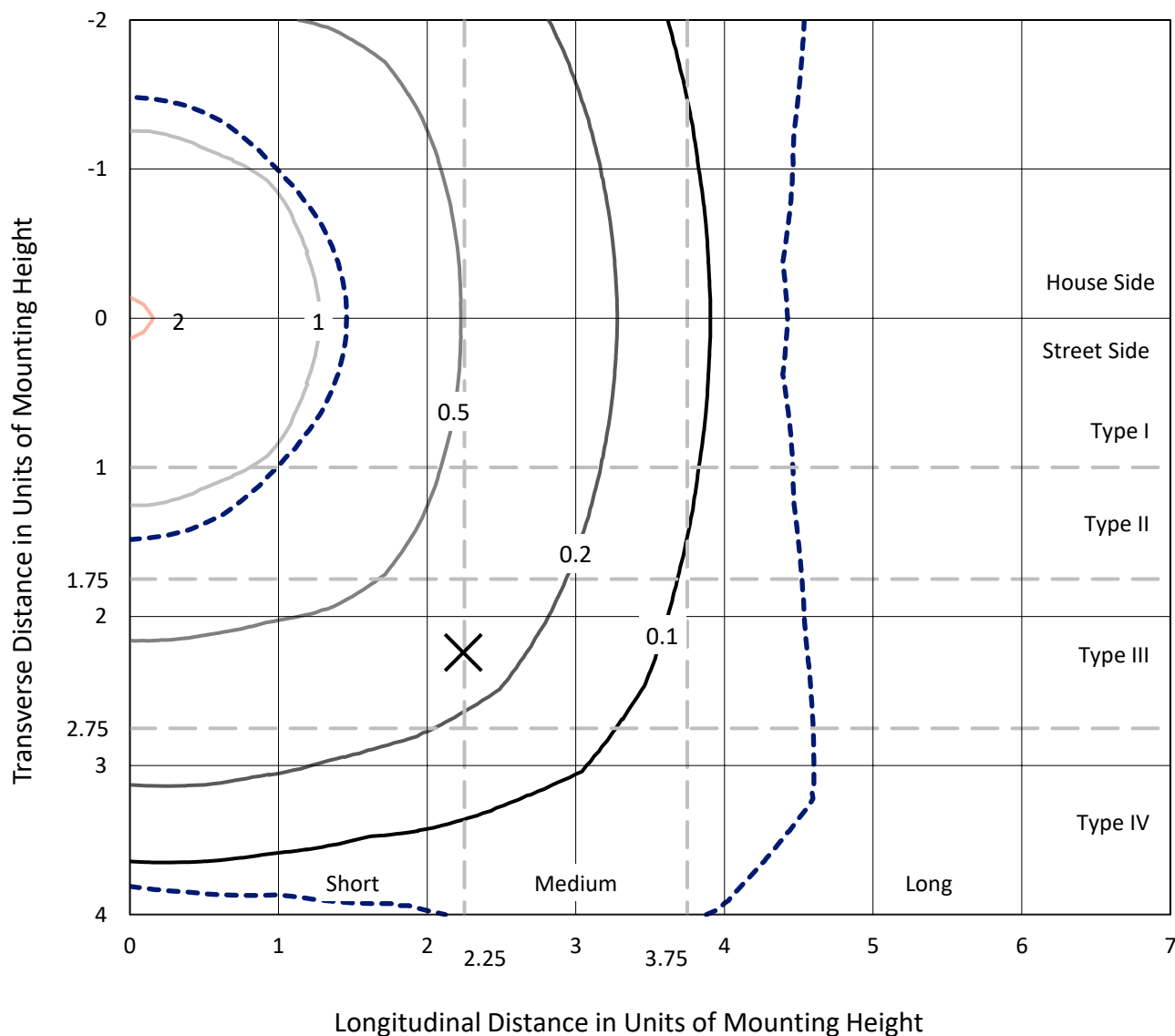
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

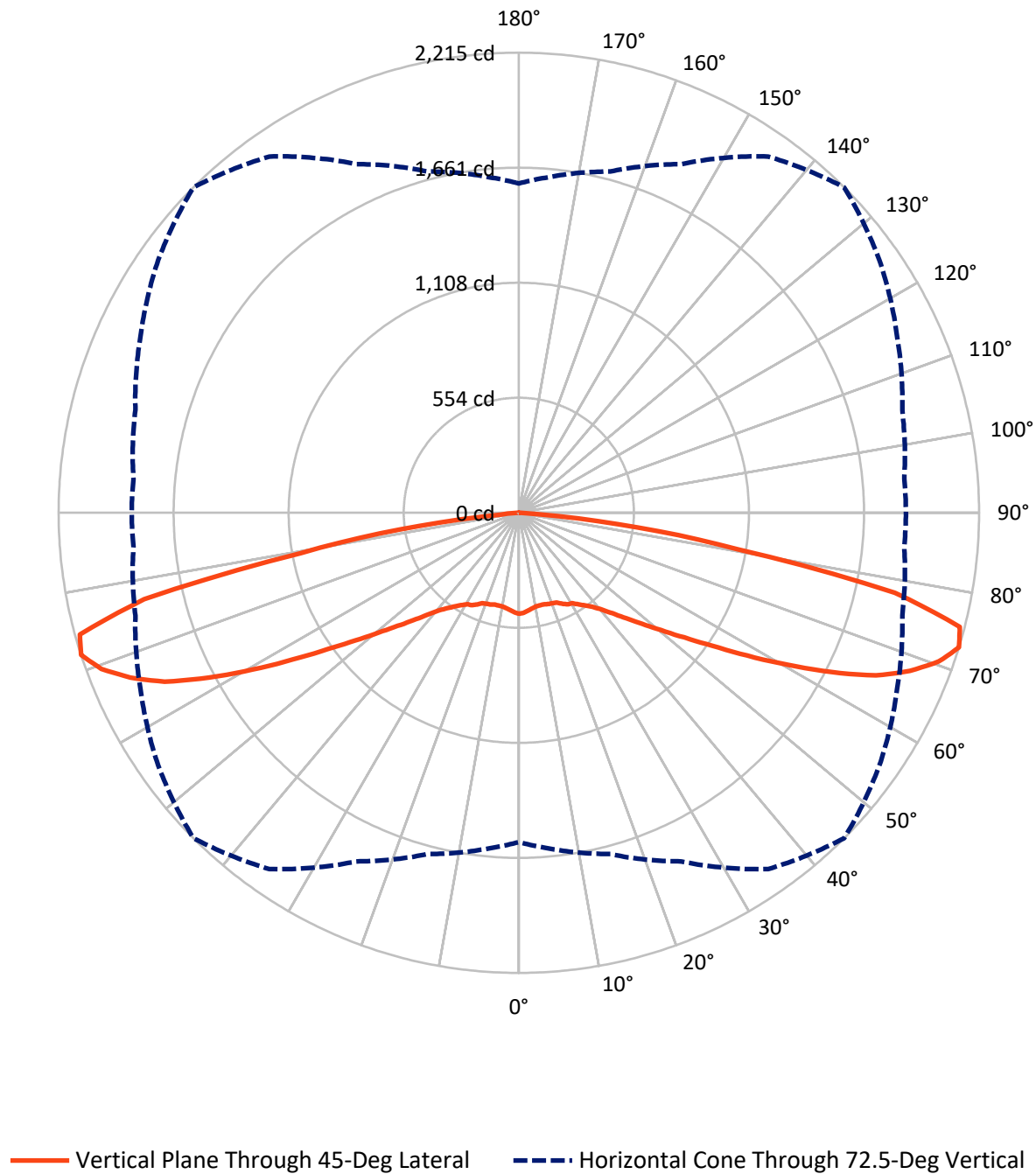


Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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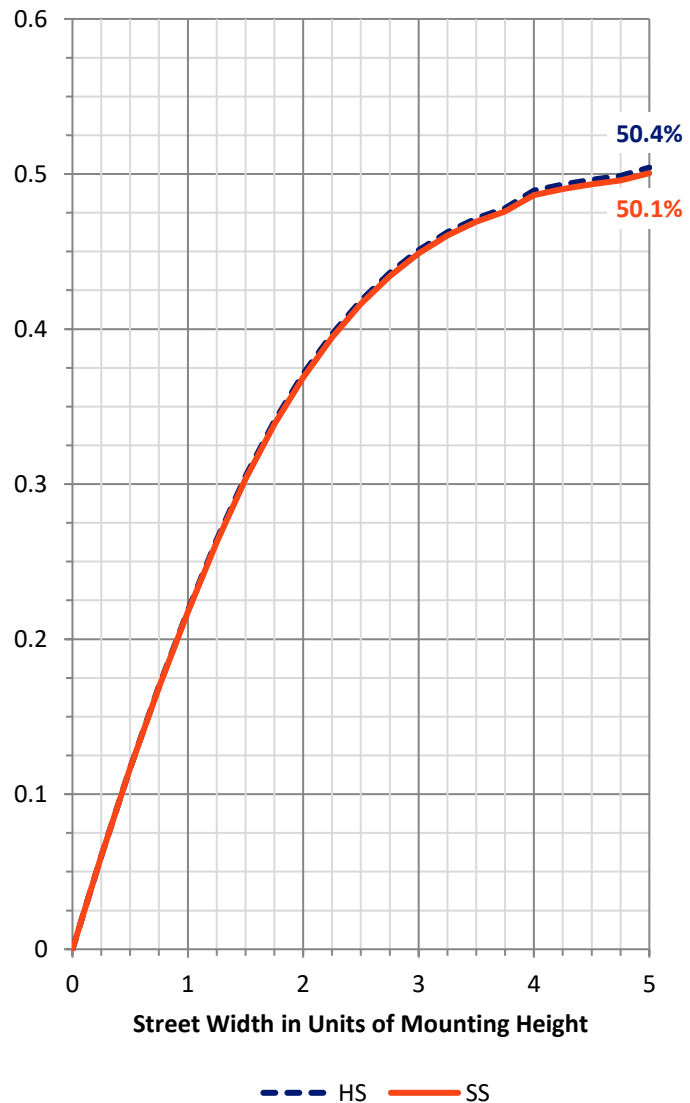
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2877.1	0.0	2877.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2877.1	0.0	2877.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5754.3	0.0	5754.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	0.8
10°-20°	131.1	2.3
20°-30°	224.4	3.9
30°-40°	345.8	6.0
40°-50°	572.5	9.9
50°-60°	996.1	17.3
60°-70°	1657.9	28.8
70°-80°	1626.4	28.3
80°-90°	155.4	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°	5754.3	100.0
0°-180°	5754.3	100.0

Coefficient of Utilization



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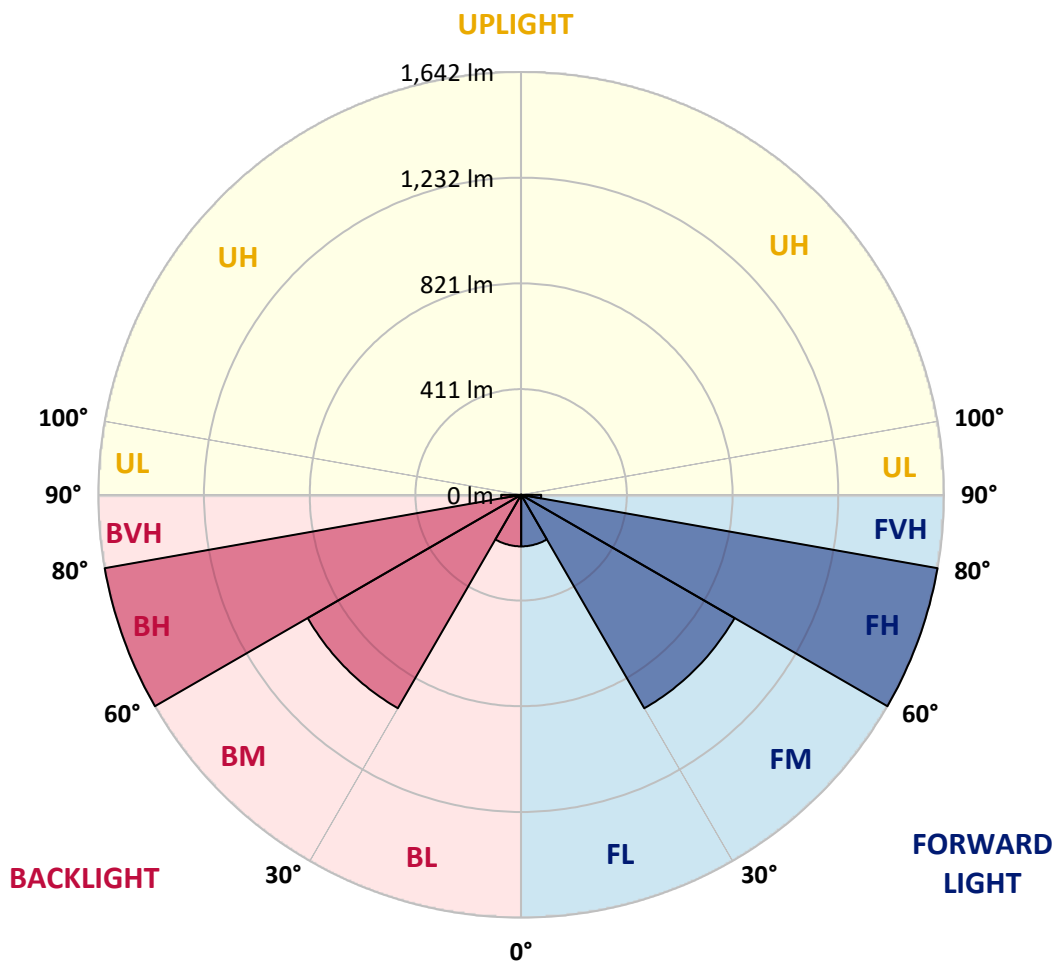
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.1	3.5			
FM	(30°-60°)	957.2	16.6			
FH	(60°-80°)	1642.1	28.5			G1/1800
FVH	(80°-90°)	77.7	1.4			G1/100
BL	(0°-30°)	200.1	3.5	B1/500		
BM	(30°-60°)	957.2	16.6	B1/1000		
BH	(60°-80°)	1642.1	28.5	B3/2500		G1/1800
BVH	(80°-90°)	77.7	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°	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3	486.3
2.5°	481.2	482.5	479.9	479.9	481.2	481.2	479.9	482.5	482.5	485.0	482.5
5°	471.0	472.2	471.0	471.0	471.0	472.2	472.2	473.5	473.5	474.8	476.1
7.5°	463.2	464.6	463.2	462.0	463.2	464.6	465.8	467.1	467.1	468.4	467.1
10°	462.0	463.2	460.7	458.1	456.9	458.1	456.9	462.0	464.6	465.8	467.1
12.5°	464.6	465.8	463.2	458.1	455.5	456.9	456.9	459.4	464.6	467.1	468.4
15°	465.8	467.1	462.0	456.9	456.9	456.9	456.9	458.1	463.2	465.8	467.1
17.5°	469.6	471.0	467.1	460.7	460.7	462.0	459.4	460.7	462.0	468.4	468.4
20°	473.5	476.1	468.4	465.8	465.8	464.6	463.2	464.6	467.1	473.5	471.0
22.5°	483.7	482.5	477.3	474.8	472.2	469.6	468.4	471.0	473.5	478.6	477.3
25°	490.2	490.2	486.3	483.7	487.6	485.0	482.5	481.2	481.2	485.0	485.0
27.5°	494.0	492.7	490.2	490.2	494.0	499.1	494.0	488.8	486.3	488.8	487.6
30°	504.2	505.5	500.3	500.3	502.9	505.5	502.9	499.1	496.5	501.7	502.9
32.5°	522.1	523.4	518.3	515.8	517.0	524.7	518.3	513.2	515.8	520.9	519.6
35°	550.3	549.0	542.6	536.2	538.8	547.7	540.0	538.8	542.6	547.7	550.3
37.5°	579.7	581.0	574.6	565.6	564.4	574.6	570.7	570.7	575.9	583.6	582.2
40°	625.8	624.5	618.1	602.8	604.0	610.4	611.7	614.3	623.2	627.0	625.8
42.5°	675.7	675.7	666.7	654.0	655.2	661.6	662.9	664.1	670.6	682.1	678.2
45°	743.5	741.0	730.7	717.9	716.7	724.4	725.6	725.6	734.5	742.2	739.7
47.5°	807.5	808.8	799.8	789.6	790.9	798.6	799.8	796.0	801.1	808.8	812.6
50°	881.7	881.7	879.2	867.6	877.9	886.8	884.3	883.0	888.2	889.4	885.6
52.5°	964.9	970.1	966.2	963.6	980.2	996.9	994.3	977.7	975.1	979.0	975.1
55°	1067.3	1066.0	1069.8	1078.8	1108.3	1128.7	1118.5	1098.0	1089.1	1081.4	1083.9
57.5°	1167.1	1174.8	1181.2	1202.9	1254.1	1296.3	1275.9	1233.6	1208.1	1192.7	1194.0
60°	1266.9	1277.2	1295.1	1338.6	1428.2	1485.7	1466.6	1391.1	1346.3	1323.3	1316.8
62.5°	1385.9	1391.1	1410.3	1469.1	1598.3	1689.2	1644.5	1540.8	1481.9	1456.3	1444.8
65°	1512.6	1519.0	1544.6	1607.3	1777.6	1888.9	1818.5	1703.3	1627.8	1593.2	1581.7
67.5°	1627.8	1644.5	1670.1	1749.4	1936.2	2030.9	1956.7	1851.8	1786.5	1739.1	1744.3
70°	1739.1	1745.5	1781.4	1853.0	2048.9	2144.8	2059.1	1987.4	1919.6	1871.0	1886.3
72.5°	1585.6	1621.4	1700.8	1851.8	2093.7	2215.2	2119.2	2009.2	1910.6	1862.0	1863.3
75°	1149.2	1182.5	1265.6	1464.0	1933.7	2192.2	2057.8	1855.6	1689.2	1623.9	1613.8
77.5°	788.3	781.9	857.4	1017.4	1351.4	1850.5	1780.1	1437.1	1187.6	1041.7	1054.5
80°	215.0	227.8	331.4	556.7	894.5	1069.8	1080.1	758.9	473.5	348.1	344.3
82.5°	49.9	53.7	79.3	136.9	331.4	578.4	341.7	179.2	122.9	81.9	60.1
85°	10.3	10.3	12.8	24.4	69.1	88.3	57.6	42.2	41.0	21.8	20.5
87.5°	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3
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)