

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: P381061

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-PA1B-8540-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 85 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7978.8 lumens
Efficiency: N/A
Efficacy: 107.8 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): 74
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

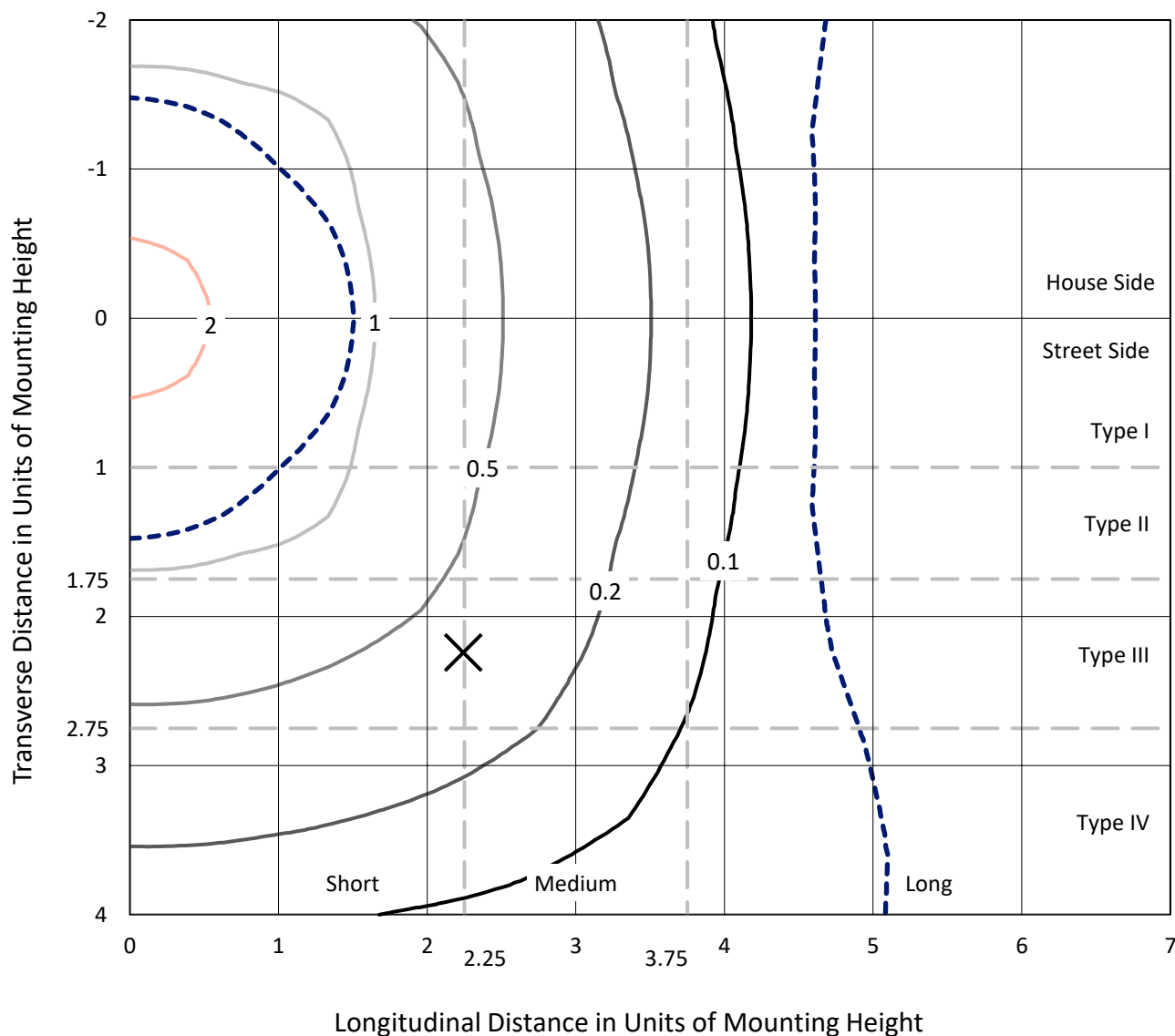


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

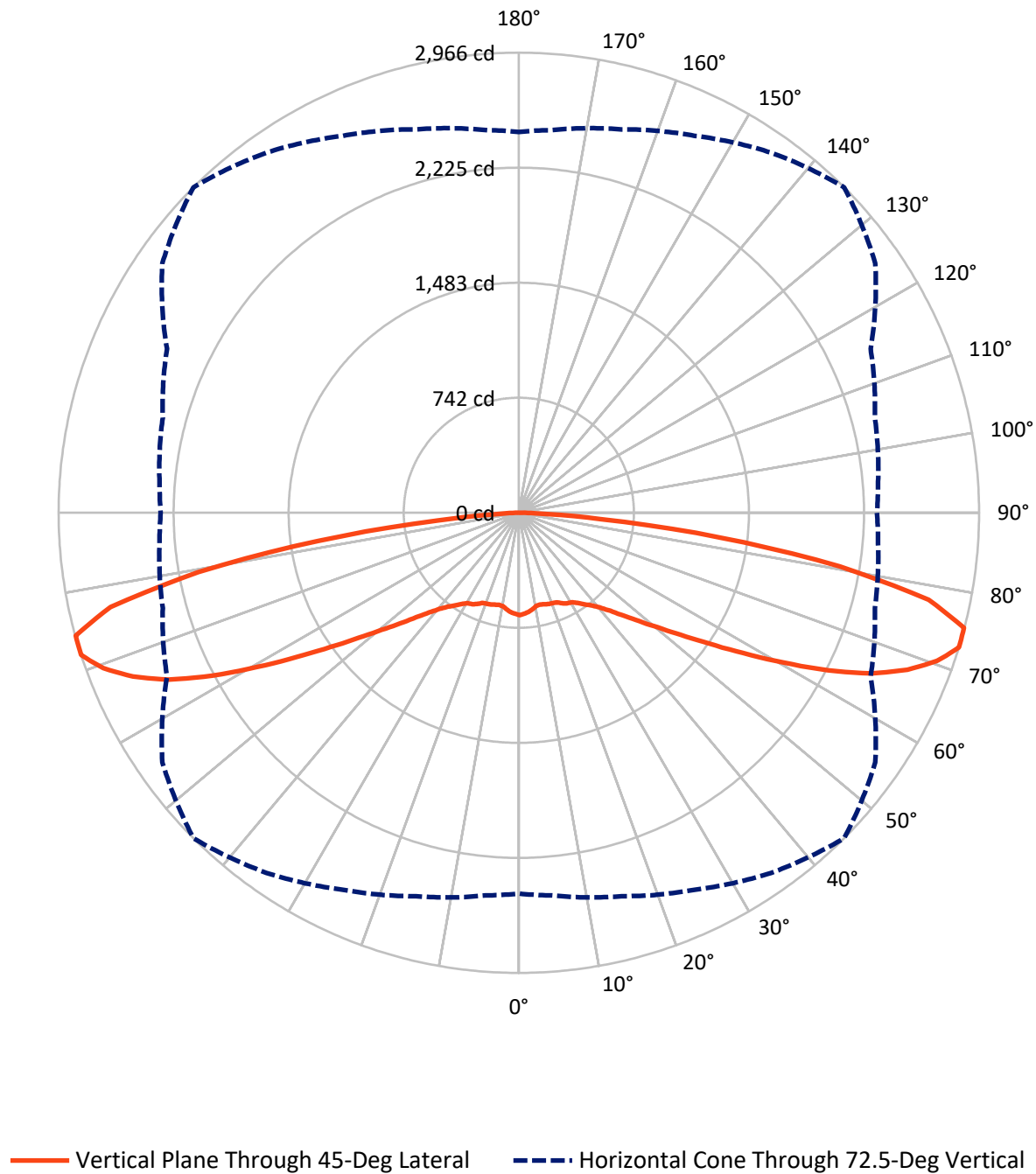


Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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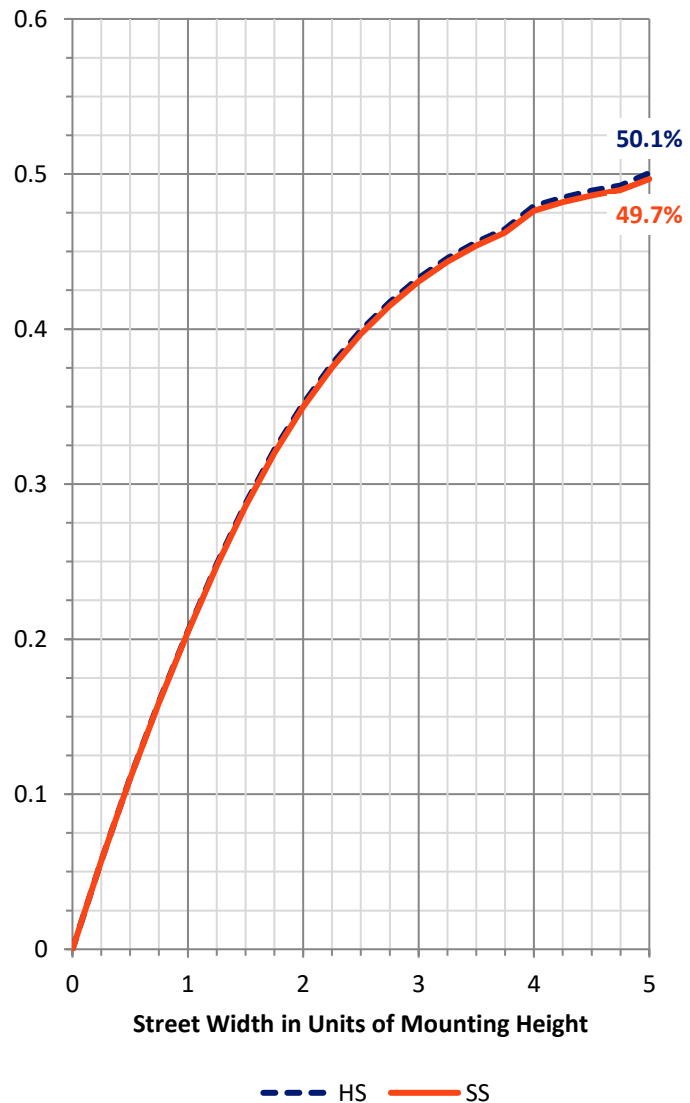
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3989.4	0.0	3989.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3989.4	0.0	3989.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7978.8	0.0	7978.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	0.8
10°-20°	175.7	2.2
20°-30°	298.6	3.7
30°-40°	455.5	5.7
40°-50°	750.0	9.4
50°-60°	1309.7	16.4
60°-70°	2195.7	27.5
70°-80°	2349.8	29.5
80°-90°	383.3	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°	7978.8	100.0
0°-180°	7978.8	100.0

Coefficient of Utilization



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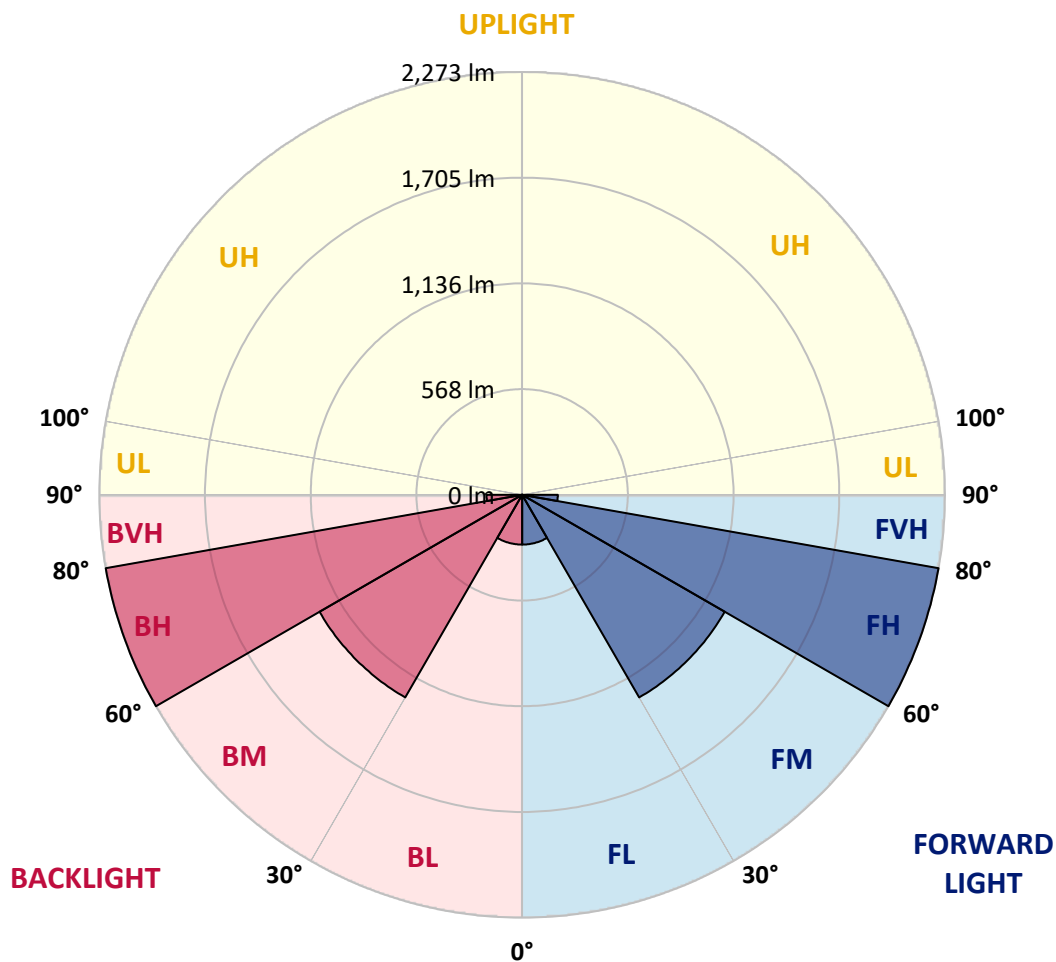
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.4	3.4			
FM	(30°-60°)	1257.6	15.8			
FH	(60°-80°)	2272.8	28.5			G2/5000
FVH	(80°-90°)	191.6	2.4			G2/225
BL	(0°-30°)	267.4	3.4	B1/500		
BM	(30°-60°)	1257.6	15.8	B2/2500		
BH	(60°-80°)	2272.8	28.5	B3/2500		G2/5000
BVH	(80°-90°)	191.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	656.2	656.2	656.2	655.1	653.1	652.1	650.0	651.1	651.1	651.1	651.1
5°	648.0	648.0	647.0	646.0	643.9	642.9	640.9	642.9	642.9	642.9	642.9
7.5°	632.7	633.8	633.8	632.7	629.7	628.7	625.6	626.6	626.6	627.7	626.6
10°	624.6	624.6	623.6	618.5	613.4	611.4	610.3	613.4	616.5	619.5	619.5
12.5°	624.6	624.6	622.6	614.4	607.3	607.3	607.3	611.4	617.5	623.6	624.6
15°	627.7	627.7	623.6	614.4	610.3	611.4	611.4	615.4	622.6	630.7	631.7
17.5°	629.7	629.7	624.6	615.4	615.4	618.5	616.5	619.5	626.6	635.8	636.8
20°	632.7	632.7	625.6	618.5	618.5	621.5	621.5	624.6	630.7	639.9	640.9
22.5°	638.8	637.8	630.7	624.6	624.6	626.6	628.7	632.7	637.8	646.0	648.0
25°	646.0	646.0	639.9	638.8	640.9	646.0	645.0	643.9	646.0	653.1	656.2
27.5°	650.0	650.0	646.0	649.0	657.2	661.2	656.2	652.1	652.1	659.2	660.2
30°	663.3	662.3	658.2	660.2	667.4	669.4	666.3	661.2	664.3	672.4	673.5
32.5°	685.8	685.8	679.6	679.6	684.7	692.9	682.7	679.6	683.7	692.9	693.9
35°	720.4	720.4	712.2	708.1	712.2	723.4	708.1	707.1	714.3	724.4	725.4
37.5°	764.2	764.2	759.1	748.9	749.9	757.1	743.8	742.8	756.1	767.3	767.3
40°	819.2	822.2	817.1	804.9	800.9	801.9	791.7	792.7	808.0	821.2	821.2
42.5°	887.5	889.5	881.3	872.2	867.1	864.0	853.9	855.9	874.2	891.5	891.5
45°	970.0	971.0	962.9	951.7	945.6	943.5	933.3	938.4	958.8	977.1	976.1
47.5°	1062.7	1063.7	1055.6	1044.4	1040.3	1043.3	1033.2	1033.2	1051.5	1066.8	1064.7
50°	1167.7	1169.7	1160.6	1155.5	1152.4	1160.6	1148.3	1137.1	1149.4	1164.6	1162.6
52.5°	1283.8	1288.9	1282.8	1284.8	1296.0	1306.2	1285.8	1261.4	1267.5	1277.7	1274.6
55°	1424.4	1430.5	1432.6	1439.7	1469.3	1486.6	1452.9	1412.2	1409.2	1410.2	1405.1
57.5°	1582.4	1586.4	1599.7	1616.0	1677.1	1704.7	1651.7	1581.3	1559.0	1545.7	1542.6
60°	1741.3	1748.4	1781.0	1814.7	1908.4	1958.4	1876.9	1758.6	1710.8	1686.3	1681.2
62.5°	1901.3	1915.5	1968.5	2025.6	2162.1	2236.5	2111.2	1940.0	1870.7	1840.1	1832.0
65°	2086.7	2104.1	2168.2	2240.6	2392.4	2497.4	2345.6	2127.5	2053.1	2012.3	2002.1
67.5°	2303.7	2322.1	2374.1	2454.5	2598.2	2701.1	2566.6	2319.0	2222.2	2170.2	2162.1
70°	2482.0	2498.4	2554.4	2635.9	2742.9	2860.1	2731.7	2471.9	2384.2	2347.6	2342.5
72.5°	2454.5	2475.9	2558.5	2680.8	2833.6	2966.0	2804.0	2501.5	2375.1	2324.1	2307.8
75°	2143.8	2167.2	2265.1	2486.1	2765.3	2963.0	2699.1	2304.8	2156.0	2113.2	2105.1
77.5°	1419.3	1441.7	1606.8	1955.3	2414.8	2700.1	2382.2	1930.8	1691.4	1588.5	1582.4
80°	573.6	602.2	760.1	1129.9	1711.8	2099.0	1766.8	1236.0	833.5	672.4	639.9
82.5°	133.5	158.9	231.3	416.7	876.3	1307.3	952.7	461.6	267.9	190.5	171.2
85°	56.1	57.1	98.8	135.5	274.0	527.8	311.8	168.1	136.6	99.8	97.8
87.5°	21.4	22.4	47.9	57.1	87.6	99.8	105.9	86.6	80.5	50.0	47.9
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)