

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: P511238

Luminaire Tested: **PRV-P-PA1C-8540-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511238
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-PA1C-8540-U-5WQ
Description: PREVAIL AREA AND WALL 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: 7421.3 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 72.1
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

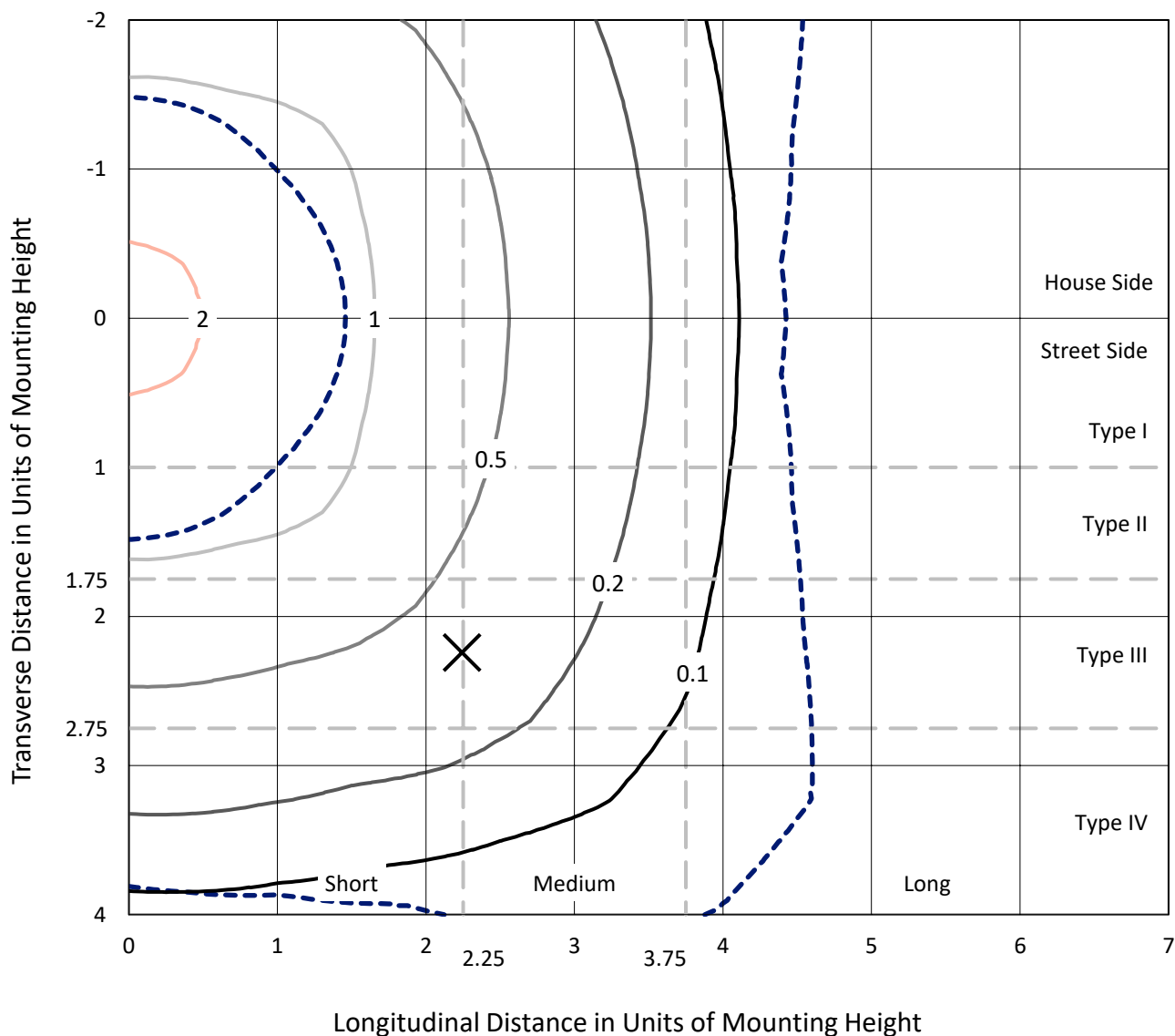


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

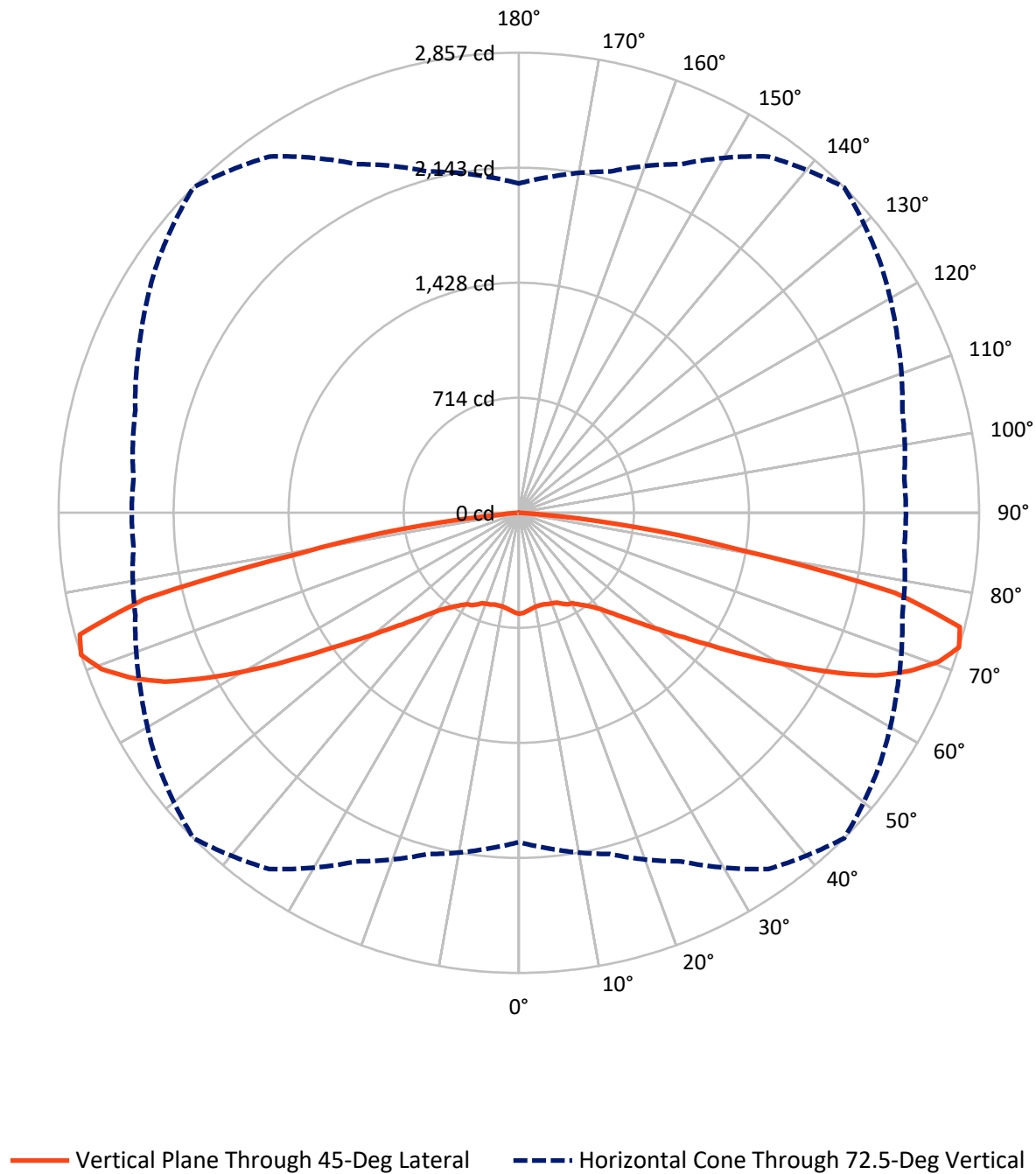


Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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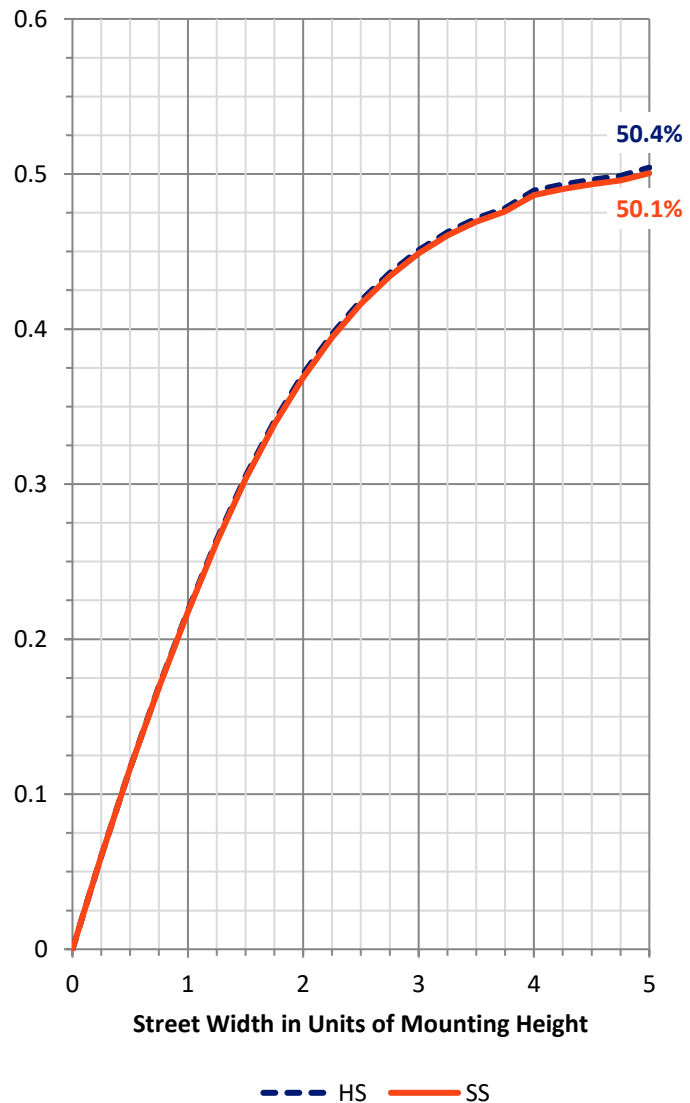
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3710.6	0.0	3710.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3710.6	0.0	3710.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	7421.3	0.0	7421.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	0.8
10°-20°	169.1	2.3
20°-30°	289.4	3.9
30°-40°	445.9	6.0
40°-50°	738.3	9.9
50°-60°	1284.7	17.3
60°-70°	2138.2	28.8
70°-80°	2097.5	28.3
80°-90°	200.5	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°	7421.3	100.0
0°-180°	7421.3	100.0



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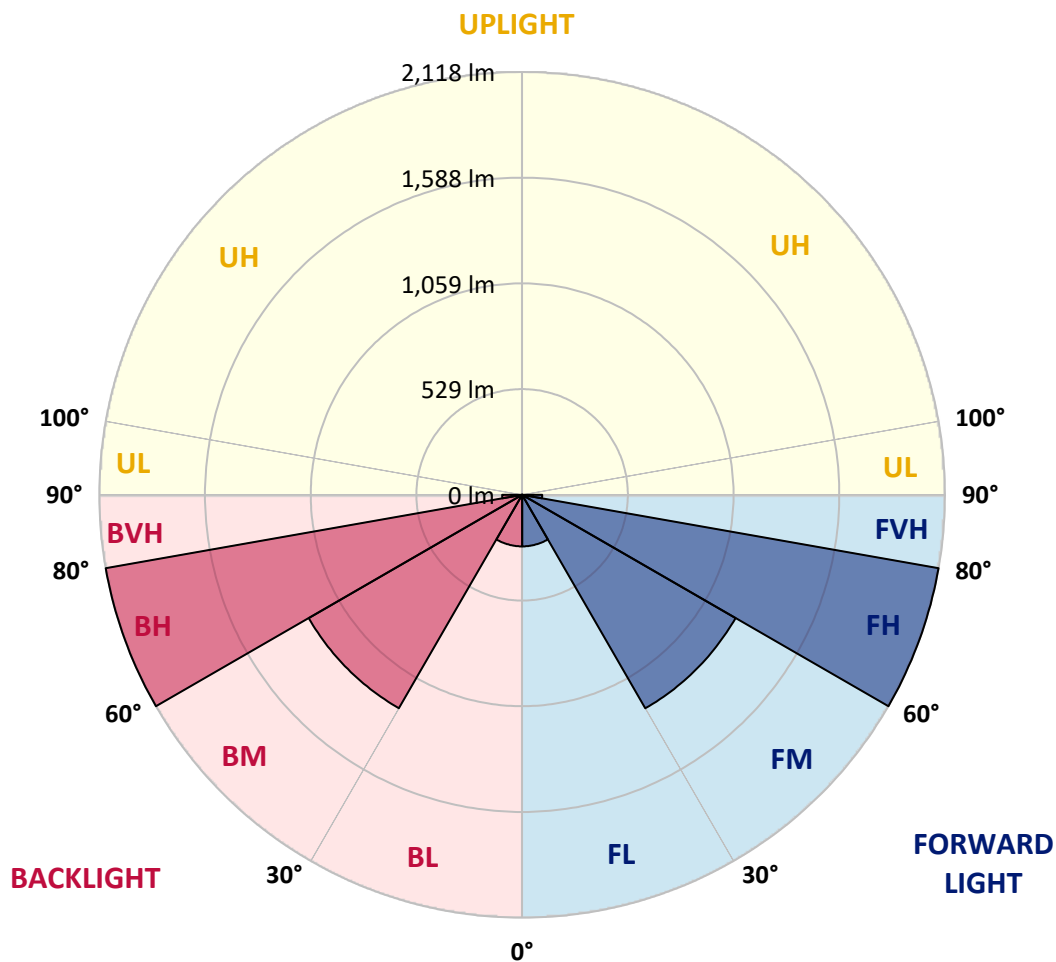
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.1	3.5			
FM	(30°-60°)	1234.5	16.6			
FH	(60°-80°)	2117.8	28.5			G2/5000
FVH	(80°-90°)	100.2	1.4			G2/225
BL	(0°-30°)	258.1	3.5	B1/500		
BM	(30°-60°)	1234.5	16.6	B2/2500		
BH	(60°-80°)	2117.8	28.5	B3/2500		G2/5000
BVH	(80°-90°)	100.2	1.4			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°	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2
2.5°	620.6	622.3	619.0	619.0	620.6	620.6	619.0	622.3	622.3	625.5	622.3
5°	607.4	609.0	607.4	607.4	607.4	609.0	609.0	610.7	610.7	612.3	614.0
7.5°	597.4	599.2	597.4	595.8	597.4	599.2	600.8	602.4	602.4	604.1	602.4
10°	595.8	597.4	594.1	590.9	589.2	590.9	589.2	595.8	599.2	600.8	602.4
12.5°	599.2	600.8	597.4	590.9	587.6	589.2	589.2	592.5	599.2	602.4	604.1
15°	600.8	602.4	595.8	589.2	589.2	589.2	589.2	590.9	597.4	600.8	602.4
17.5°	605.7	607.4	602.4	594.1	594.1	595.8	592.5	594.1	595.8	604.1	604.1
20°	610.7	614.0	604.1	600.8	600.8	599.2	597.4	599.2	602.4	610.7	607.4
22.5°	623.9	622.3	615.6	612.3	609.0	605.7	604.1	607.4	610.7	617.2	615.6
25°	632.1	632.1	627.2	623.9	628.8	625.5	622.3	620.6	620.6	625.5	625.5
27.5°	637.0	635.4	632.1	632.1	637.0	643.7	637.0	630.5	627.2	630.5	628.8
30°	650.3	651.9	645.3	645.3	648.6	651.9	648.6	643.7	640.4	647.0	648.6
32.5°	673.4	675.0	668.4	665.2	666.8	676.7	668.4	661.9	665.2	671.7	670.1
35°	709.7	708.1	699.8	691.5	694.8	706.4	696.5	694.8	699.8	706.4	709.7
37.5°	747.7	749.3	741.0	729.5	727.9	741.0	736.1	736.1	742.7	752.6	751.0
40°	807.0	805.4	797.2	777.4	779.0	787.3	789.0	792.2	803.7	808.8	807.0
42.5°	871.5	871.5	859.9	843.4	845.0	853.3	855.0	856.6	864.8	879.7	874.8
45°	958.9	955.7	942.4	925.9	924.3	934.2	935.8	935.8	947.4	957.3	953.9
47.5°	1041.5	1043.1	1031.5	1018.4	1020.0	1029.9	1031.5	1026.6	1033.2	1043.1	1048.0
50°	1137.2	1137.2	1133.9	1119.0	1132.2	1143.8	1140.4	1138.8	1145.5	1147.1	1142.1
52.5°	1244.4	1251.1	1246.1	1242.8	1264.2	1285.7	1282.4	1260.9	1257.7	1262.6	1257.7
55°	1376.5	1374.9	1379.8	1391.3	1429.3	1455.7	1442.5	1416.1	1404.5	1394.6	1398.0
57.5°	1505.2	1515.1	1523.4	1551.4	1617.4	1671.9	1645.5	1591.1	1558.0	1538.2	1539.8
60°	1634.0	1647.2	1670.3	1726.4	1841.9	1916.2	1891.4	1794.1	1736.3	1706.5	1698.3
62.5°	1787.4	1794.1	1818.8	1894.7	2061.4	2178.6	2120.8	1987.2	1911.2	1878.3	1863.4
65°	1950.8	1959.1	1992.1	2073.0	2292.5	2436.1	2345.3	2196.8	2099.4	2054.8	2039.9
67.5°	2099.4	2120.8	2153.9	2256.2	2497.1	2619.3	2523.5	2388.2	2304.1	2243.0	2249.6
70°	2243.0	2251.2	2297.5	2389.9	2642.4	2766.2	2655.6	2563.2	2475.7	2413.0	2432.8
72.5°	2044.9	2091.2	2193.5	2388.2	2700.2	2856.9	2733.1	2591.3	2464.1	2401.4	2403.1
75°	1482.1	1525.0	1632.3	1888.1	2493.9	2827.3	2654.0	2393.2	2178.6	2094.4	2081.2
77.5°	1016.6	1008.4	1105.8	1312.2	1742.9	2386.6	2295.8	1853.4	1531.6	1343.5	1360.0
80°	277.3	293.8	427.4	717.9	1153.7	1379.8	1393.0	978.8	610.7	448.9	444.0
82.5°	64.4	69.3	102.3	176.6	427.4	746.0	440.7	231.1	158.5	105.6	77.6
85°	13.2	13.2	16.5	31.3	89.1	113.8	74.3	54.5	52.9	28.0	26.4
87.5°	1.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6
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)