

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: P511094

Luminaire Tested: **PRV-P-PA1A-8540-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511094
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-PA1A-8540-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3521.1 lumens
Efficiency: N/A
Efficacy: 114.7 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): 30.7
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

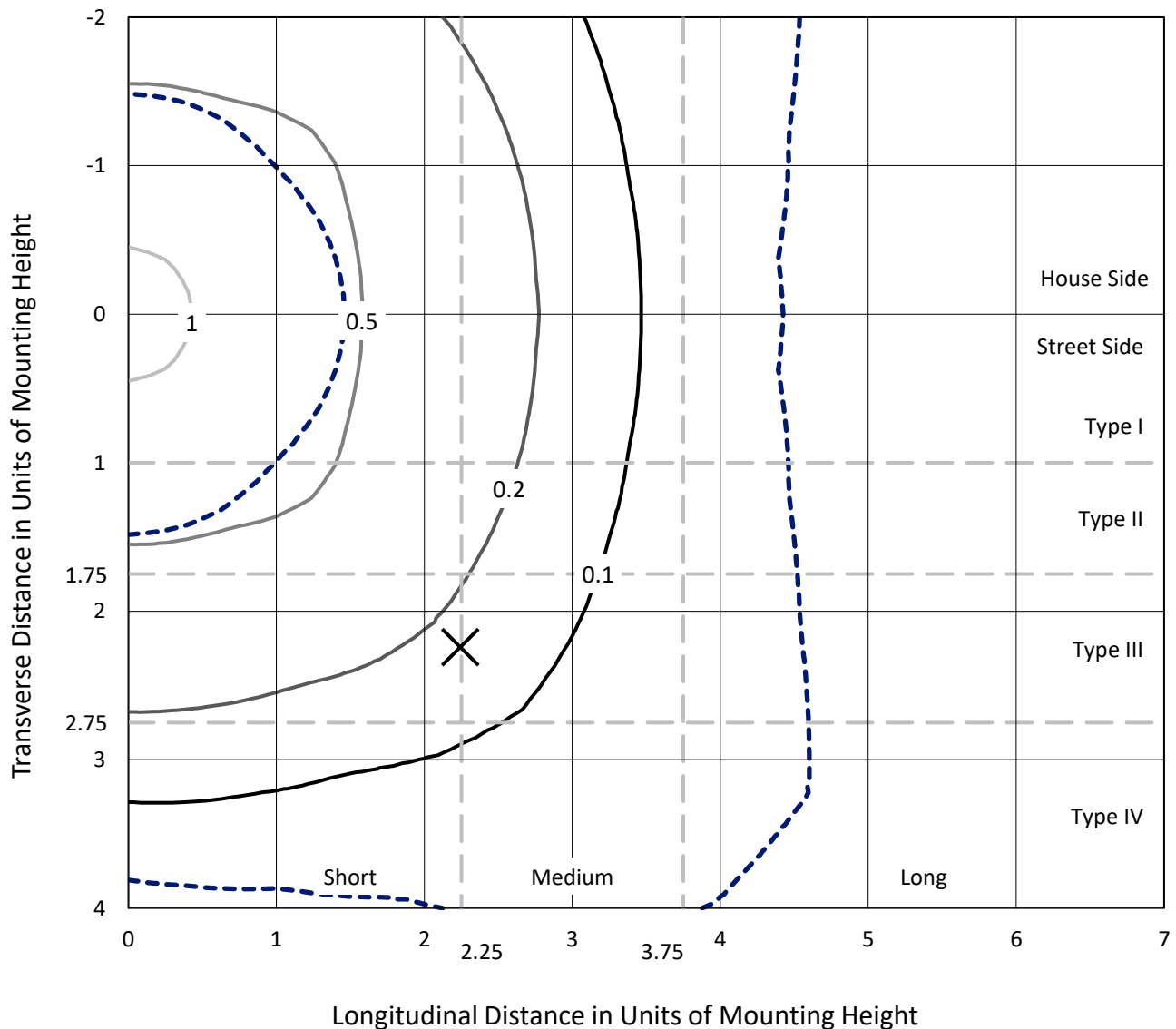


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

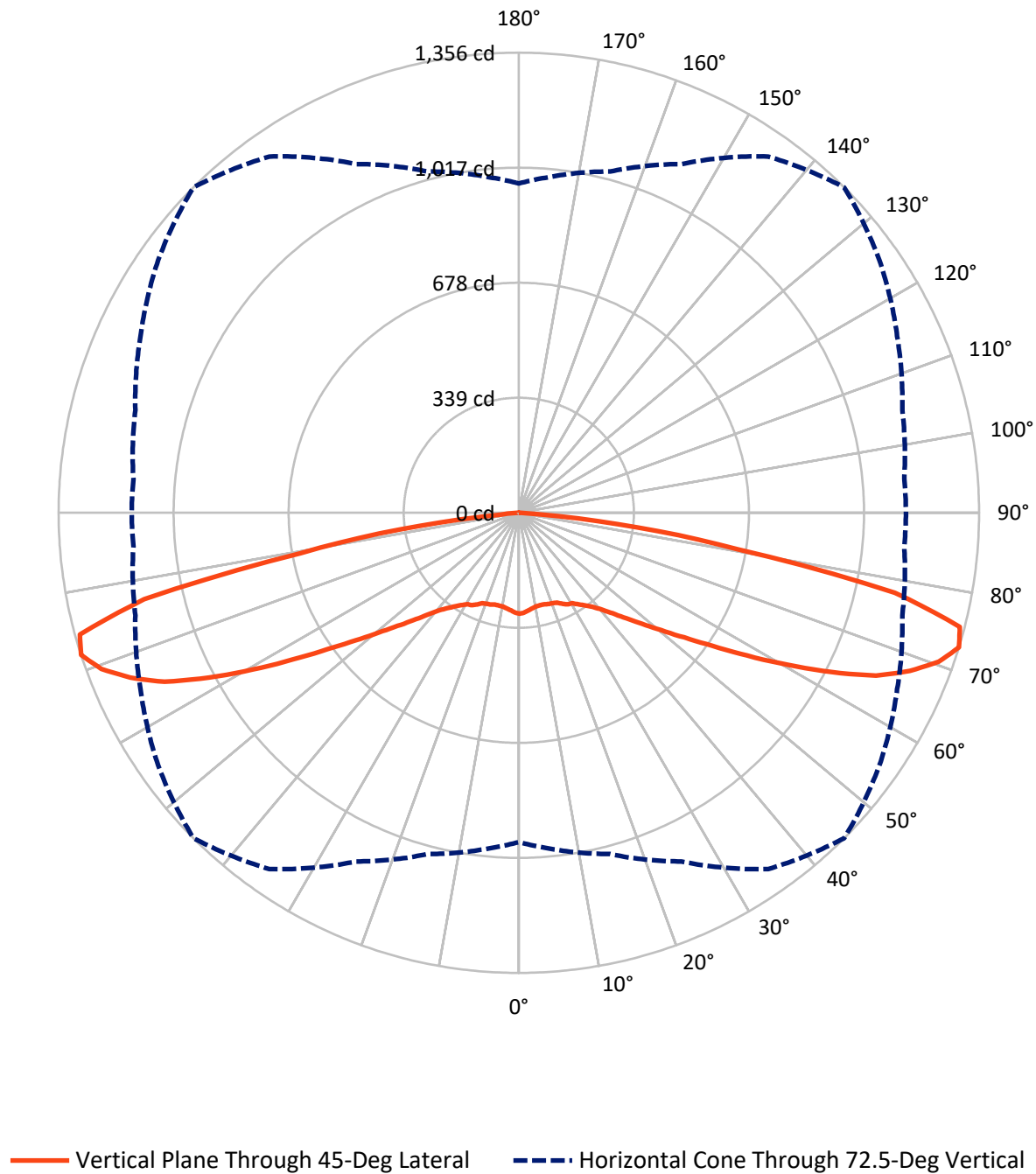


Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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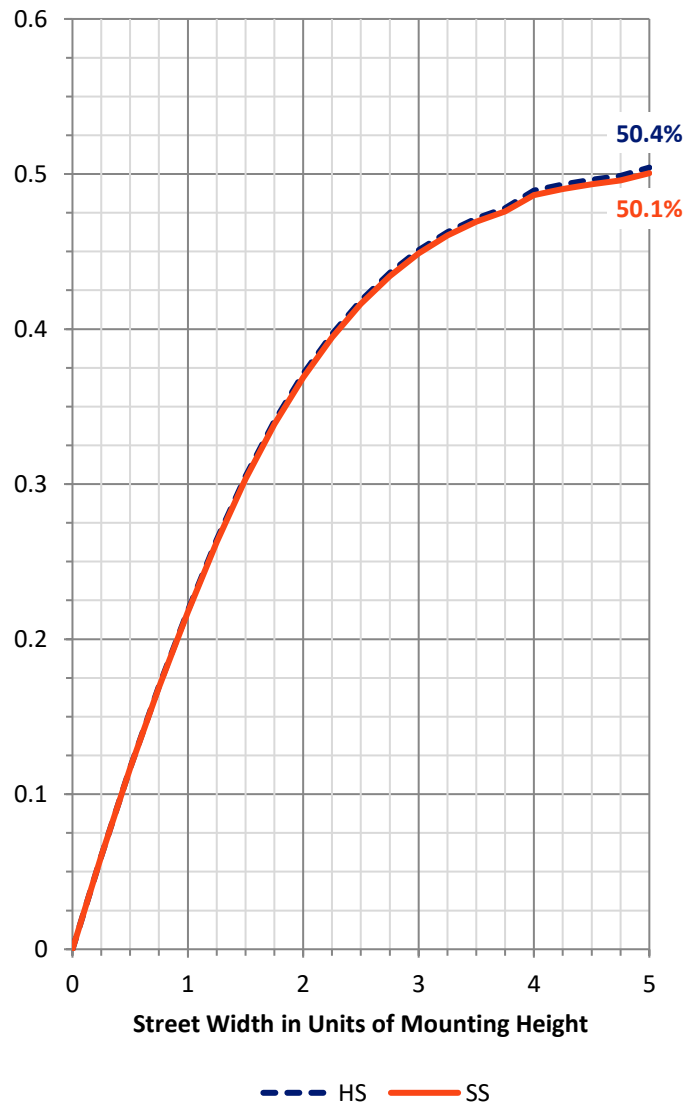
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1760.6	0.0	1760.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1760.6	0.0	1760.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3521.1	0.0	3521.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.8
10°-20°	80.2	2.3
20°-30°	137.3	3.9
30°-40°	211.6	6.0
40°-50°	350.3	9.9
50°-60°	609.5	17.3
60°-70°	1014.5	28.8
70°-80°	995.2	28.3
80°-90°	95.1	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°	3521.1	100.0
0°-180°	3521.1	100.0



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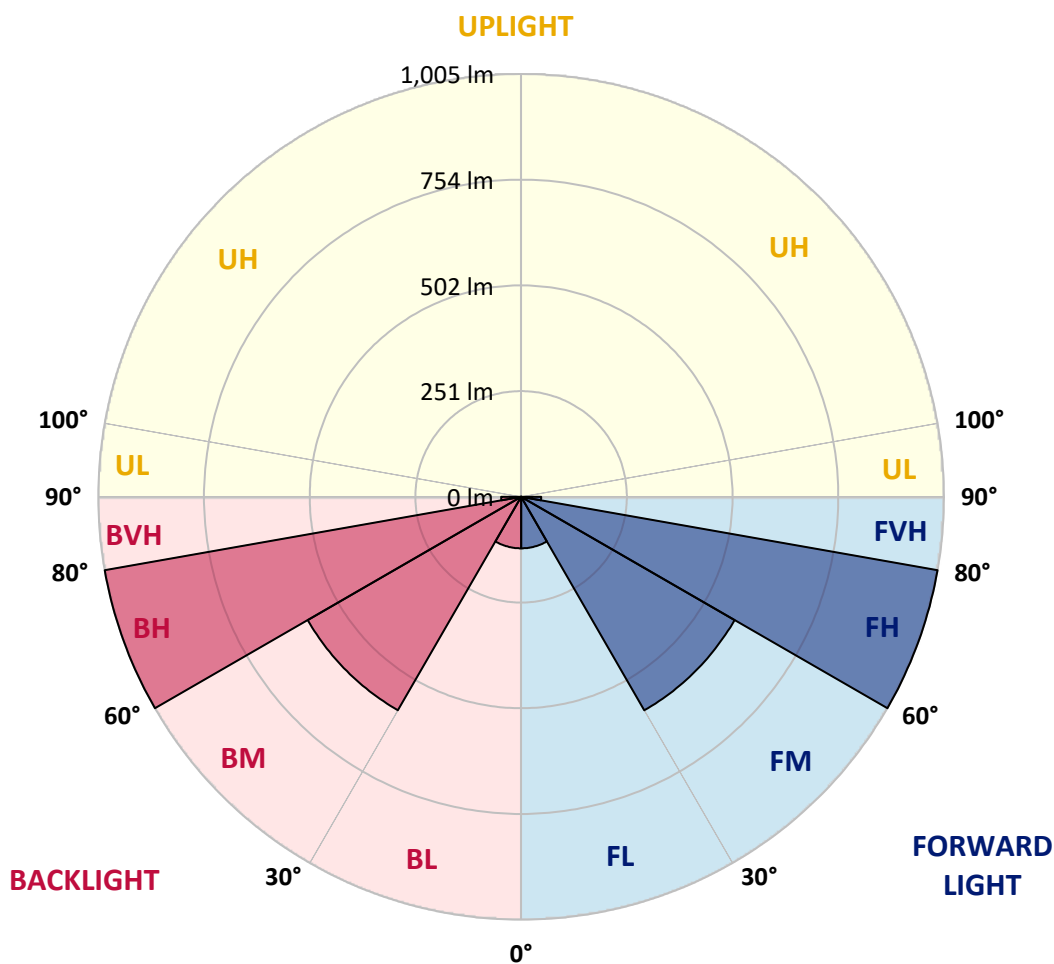
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.4	3.5			
FM	(30°-60°)	585.7	16.6			
FH	(60°-80°)	1004.9	28.5			G1/1800
FVH	(80°-90°)	47.6	1.4			G1/100
BL	(0°-30°)	122.4	3.5	B1/500		
BM	(30°-60°)	585.7	16.6	B1/1000		
BH	(60°-80°)	1004.9	28.5	B3/2500		G1/1800
BVH	(80°-90°)	47.6	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°	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5
2.5°	294.4	295.2	293.6	293.6	294.4	294.4	293.6	295.2	295.2	296.8	295.2
5°	288.1	288.9	288.1	288.1	288.1	288.9	288.9	289.7	289.7	290.5	291.3
7.5°	283.4	284.2	283.4	282.7	283.4	284.2	285.0	285.8	285.8	286.6	285.8
10°	282.7	283.4	281.9	280.3	279.5	280.3	279.5	282.7	284.2	285.0	285.8
12.5°	284.2	285.0	283.4	280.3	278.7	279.5	279.5	281.1	284.2	285.8	286.6
15°	285.0	285.8	282.7	279.5	279.5	279.5	279.5	280.3	283.4	285.0	285.8
17.5°	287.4	288.1	285.8	281.9	281.9	282.7	281.1	281.9	282.7	286.6	286.6
20°	289.7	291.3	286.6	285.0	285.0	284.2	283.4	284.2	285.8	289.7	288.1
22.5°	296.0	295.2	292.1	290.5	288.9	287.4	286.6	288.1	289.7	292.8	292.1
25°	299.9	299.9	297.5	296.0	298.3	296.8	295.2	294.4	294.4	296.8	296.8
27.5°	302.2	301.5	299.9	299.9	302.2	305.4	302.2	299.1	297.5	299.1	298.3
30°	308.5	309.3	306.2	306.2	307.7	309.3	307.7	305.4	303.8	306.9	307.7
32.5°	319.5	320.2	317.1	315.5	316.3	321.0	317.1	314.0	315.5	318.7	317.9
35°	336.7	335.9	332.0	328.1	329.6	335.1	330.4	329.6	332.0	335.1	336.7
37.5°	354.8	355.6	351.6	346.2	345.4	351.6	349.3	349.3	352.4	357.1	356.3
40°	383.0	382.2	378.3	368.9	369.7	373.6	374.4	375.9	381.4	383.7	383.0
42.5°	413.5	413.5	408.0	400.2	401.0	404.9	405.7	406.5	410.4	417.4	415.1
45°	455.0	453.4	447.2	439.3	438.6	443.3	444.0	444.0	449.5	454.2	452.7
47.5°	494.2	494.9	489.5	483.2	484.0	488.7	489.5	487.1	490.2	494.9	497.3
50°	539.6	539.6	538.0	531.0	537.2	542.7	541.1	540.3	543.5	544.3	541.9
52.5°	590.5	593.6	591.2	589.7	599.9	610.0	608.5	598.3	596.7	599.1	596.7
55°	653.1	652.3	654.7	660.1	678.2	690.7	684.4	671.9	666.4	661.7	663.3
57.5°	714.2	718.9	722.8	736.1	767.4	793.3	780.7	754.9	739.2	729.8	730.6
60°	775.2	781.5	792.5	819.1	873.9	909.1	897.4	851.2	823.8	809.7	805.8
62.5°	848.1	851.2	862.9	899.0	978.0	1033.7	1006.2	942.8	906.8	891.1	884.1
65°	925.6	929.5	945.2	983.5	1087.7	1155.9	1112.8	1042.3	996.1	974.9	967.9
67.5°	996.1	1006.2	1021.9	1070.5	1184.8	1242.8	1197.4	1133.2	1093.2	1064.3	1067.4
70°	1064.3	1068.2	1090.1	1133.9	1253.7	1312.5	1260.0	1216.2	1174.7	1144.9	1154.3
72.5°	970.2	992.1	1040.8	1133.2	1281.1	1355.5	1296.8	1229.5	1169.2	1139.4	1140.2
75°	703.2	723.6	774.5	895.8	1183.3	1341.4	1259.2	1135.5	1033.7	993.7	987.4
77.5°	482.4	478.5	524.7	622.6	826.9	1132.4	1089.3	879.4	726.7	637.4	645.3
80°	131.5	139.4	202.8	340.6	547.4	654.7	660.9	464.4	289.7	213.0	210.6
82.5°	30.5	32.9	48.5	83.8	202.8	354.0	209.1	109.6	75.2	50.1	36.8
85°	6.3	6.3	7.8	14.9	42.3	54.0	35.2	25.8	25.1	13.3	12.5
87.5°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
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)