

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: P381060

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381060
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-PA1A-8540-U-5WQ
Description: PREVAIL AREA AND ROADWAY 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: 6131.6 lumens
Efficiency: N/A
Efficacy: 113.5 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

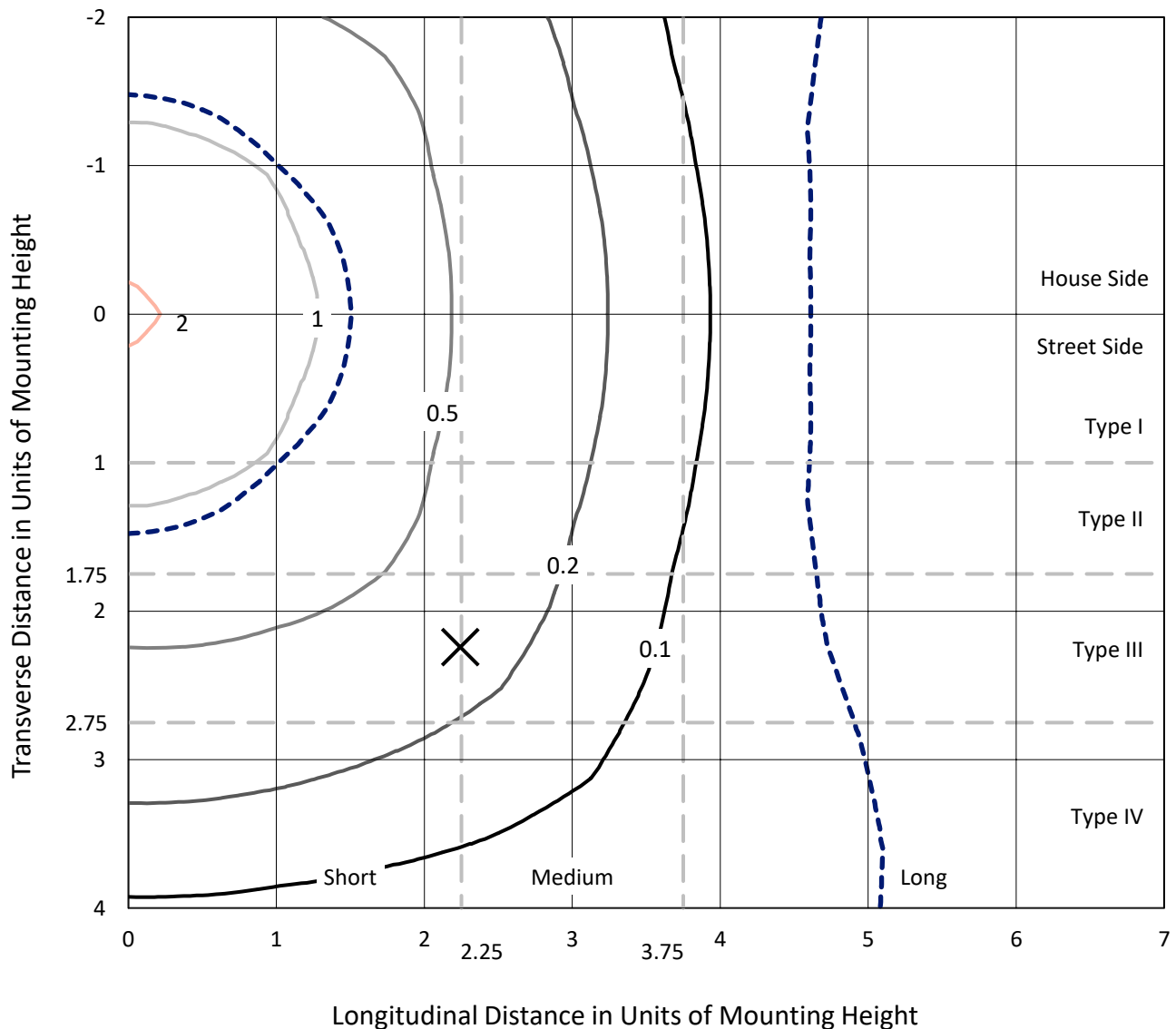


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

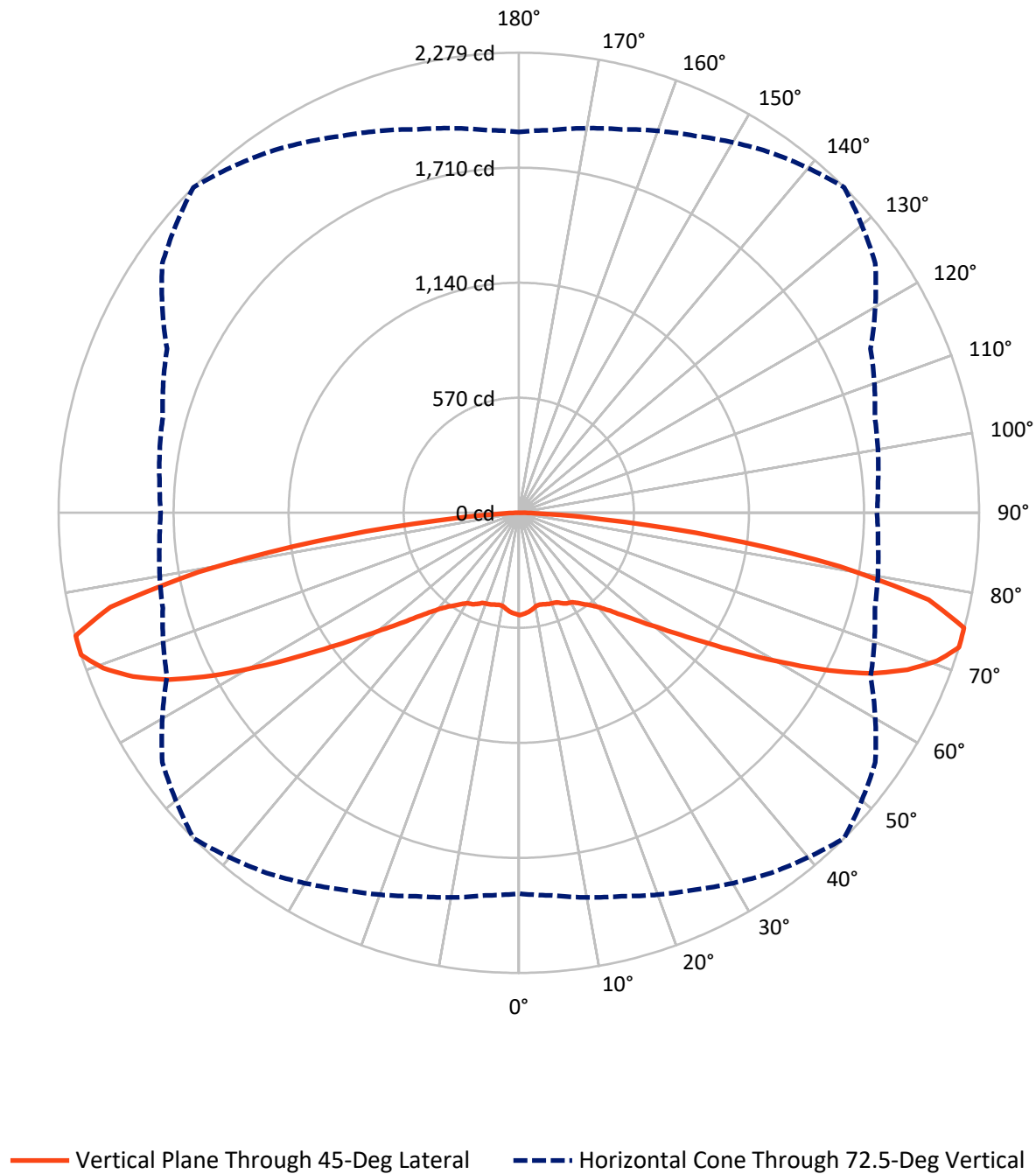


Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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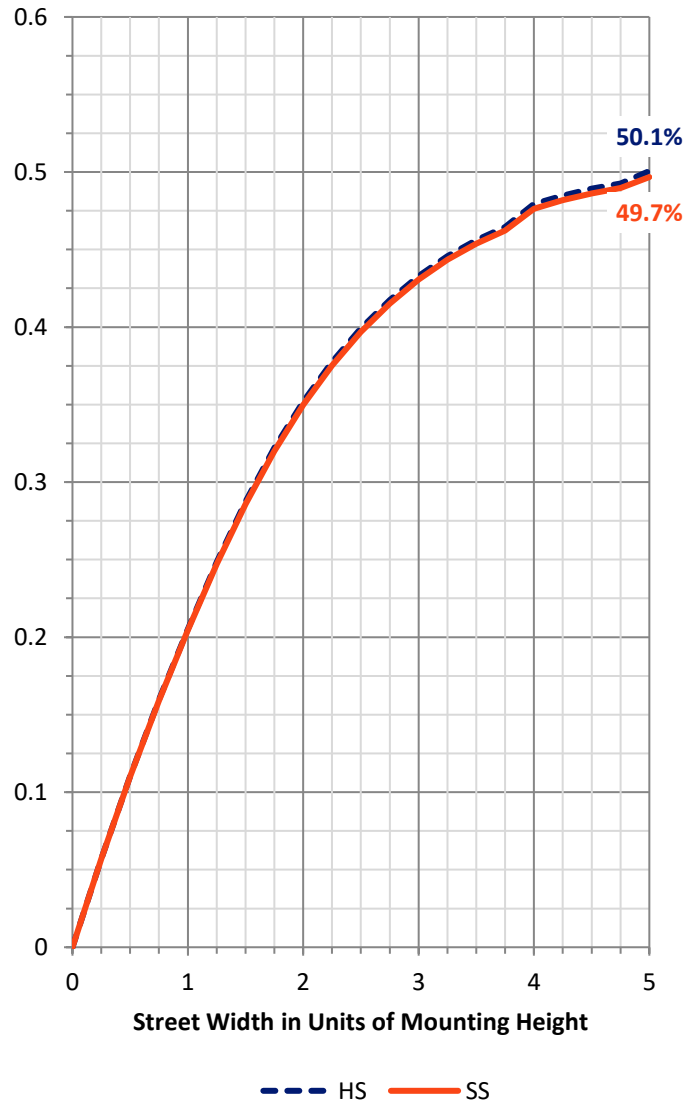
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3065.8	0.0	3065.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3065.8	0.0	3065.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6131.6	0.0	6131.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	0.8
10°-20°	135.1	2.2
20°-30°	229.5	3.7
30°-40°	350.0	5.7
40°-50°	576.3	9.4
50°-60°	1006.5	16.4
60°-70°	1687.4	27.5
70°-80°	1805.9	29.5
80°-90°	294.5	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°	6131.6	100.0
0°-180°	6131.6	100.0

Coefficient of Utilization



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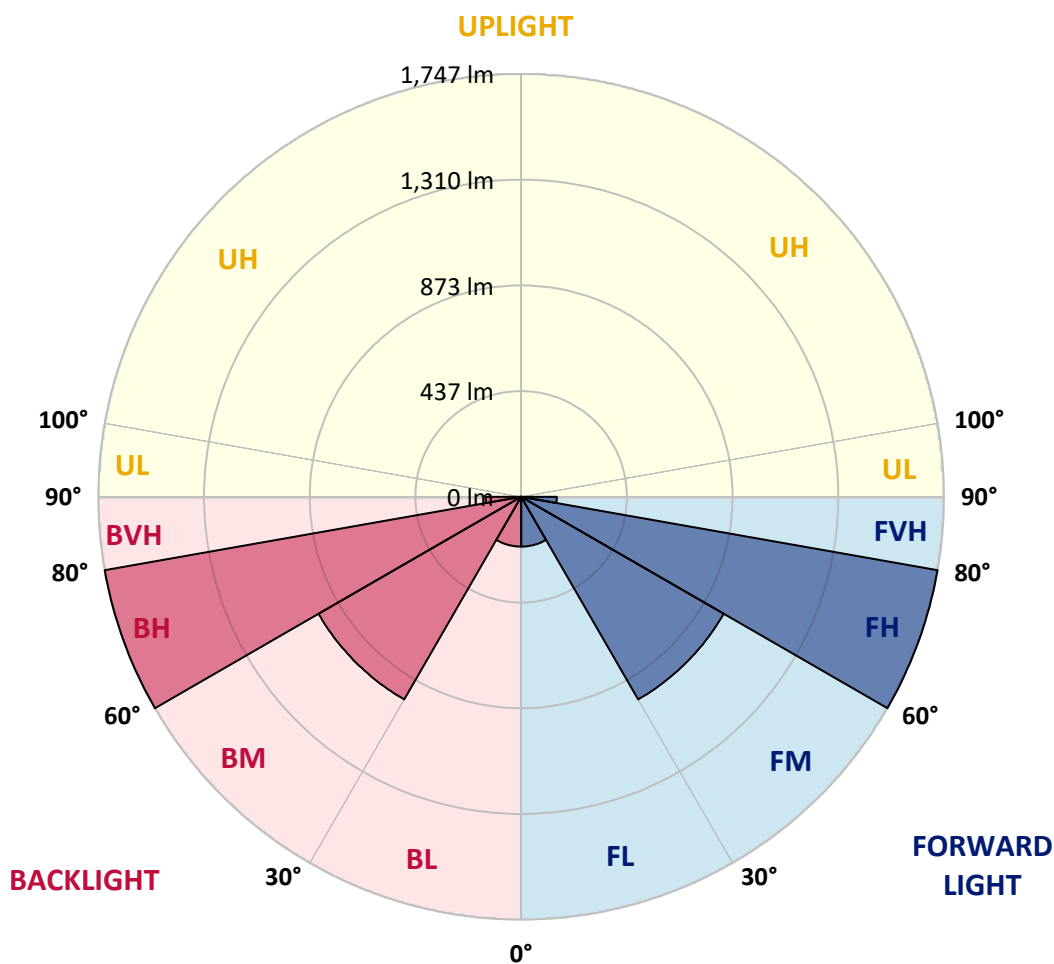
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.5	3.4			
FM	(30°-60°)	966.4	15.8			
FH	(60°-80°)	1746.6	28.5			G1/1800
FVH	(80°-90°)	147.3	2.4			G2/225
BL	(0°-30°)	205.5	3.4	B1/500		
BM	(30°-60°)	966.4	15.8	B1/1000		
BH	(60°-80°)	1746.6	28.5	B3/2500		G1/1800
BVH	(80°-90°)	147.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	504.3	504.3	504.3	503.5	501.9	501.1	499.6	500.3	500.3	500.3	500.3
5°	498.0	498.0	497.2	496.4	494.9	494.1	492.5	494.1	494.1	494.1	494.1
7.5°	486.2	487.0	487.0	486.2	483.9	483.1	480.8	481.5	481.5	482.3	481.5
10°	480.0	480.0	479.2	475.3	471.4	469.8	469.0	471.4	473.7	476.1	476.1
12.5°	480.0	480.0	478.4	472.1	466.7	466.7	466.7	469.8	474.5	479.2	480.0
15°	482.3	482.3	479.2	472.1	469.0	469.8	469.8	472.9	478.4	484.7	485.5
17.5°	483.9	483.9	480.0	472.9	472.9	475.3	473.7	476.1	481.5	488.6	489.4
20°	486.2	486.2	480.8	475.3	475.3	477.6	477.6	480.0	484.7	491.7	492.5
22.5°	490.9	490.2	484.7	480.0	480.0	481.5	483.1	486.2	490.2	496.4	498.0
25°	496.4	496.4	491.7	490.9	492.5	496.4	495.6	494.9	496.4	501.9	504.3
27.5°	499.6	499.6	496.4	498.8	505.0	508.2	504.3	501.1	501.1	506.6	507.4
30°	509.7	509.0	505.8	507.4	512.9	514.4	512.1	508.2	510.5	516.8	517.6
32.5°	527.0	527.0	522.3	522.3	526.2	532.4	524.6	522.3	525.4	532.4	533.2
35°	553.6	553.6	547.3	544.2	547.3	555.9	544.2	543.4	548.9	556.7	557.5
37.5°	587.2	587.2	583.3	575.5	576.3	581.8	571.6	570.8	581.0	589.6	589.6
40°	629.5	631.9	628.0	618.6	615.4	616.2	608.4	609.2	620.9	631.1	631.1
42.5°	682.0	683.6	677.3	670.2	666.3	664.0	656.2	657.7	671.8	685.1	685.1
45°	745.4	746.2	739.9	731.3	726.6	725.1	717.2	721.1	736.8	750.9	750.1
47.5°	816.7	817.5	811.2	802.6	799.4	801.8	794.0	794.0	808.1	819.8	818.2
50°	897.3	898.9	891.8	887.9	885.6	891.8	882.4	873.8	883.2	895.0	893.4
52.5°	986.6	990.5	985.8	987.4	996.0	1003.8	988.1	969.4	974.1	981.9	979.5
55°	1094.7	1099.4	1101.0	1106.5	1129.2	1142.5	1116.6	1085.3	1083.0	1083.8	1079.8
57.5°	1216.1	1219.2	1229.4	1241.9	1288.9	1310.0	1269.3	1215.3	1198.1	1187.9	1185.5
60°	1338.2	1343.7	1368.8	1394.6	1466.6	1505.0	1442.4	1351.5	1314.7	1295.9	1292.0
62.5°	1461.2	1472.1	1512.8	1556.7	1661.6	1718.8	1622.5	1490.9	1437.7	1414.2	1407.9
65°	1603.7	1617.0	1666.3	1721.9	1838.6	1919.2	1802.5	1635.0	1577.8	1546.5	1538.7
67.5°	1770.4	1784.5	1824.5	1886.3	1996.7	2075.8	1972.5	1782.2	1707.8	1667.9	1661.6
70°	1907.5	1920.0	1963.1	2025.7	2107.9	2198.0	2099.3	1899.6	1832.3	1804.1	1800.2
72.5°	1886.3	1902.8	1966.2	2060.2	2177.6	2279.4	2154.9	1922.3	1825.3	1786.1	1773.6
75°	1647.5	1665.5	1740.7	1910.6	2125.1	2277.0	2074.2	1771.2	1656.9	1624.0	1617.8
77.5°	1090.8	1108.0	1234.9	1502.7	1855.8	2075.0	1830.7	1483.9	1299.9	1220.8	1216.1
80°	440.8	462.8	584.1	868.3	1315.5	1613.1	1357.8	949.8	640.5	516.8	491.7
82.5°	102.6	122.1	177.7	320.2	673.4	1004.6	732.1	354.7	205.9	146.4	131.5
85°	43.1	43.8	76.0	104.1	210.6	405.6	239.6	129.2	104.9	76.7	75.2
87.5°	16.4	17.2	36.8	43.8	67.3	76.7	81.4	66.6	61.9	38.4	36.8
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)