

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: McGRAW-EDISON

Report Number: P942110

Luminaire Tested: **GALN-SB6A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22730 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 170.9
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: 24 FT

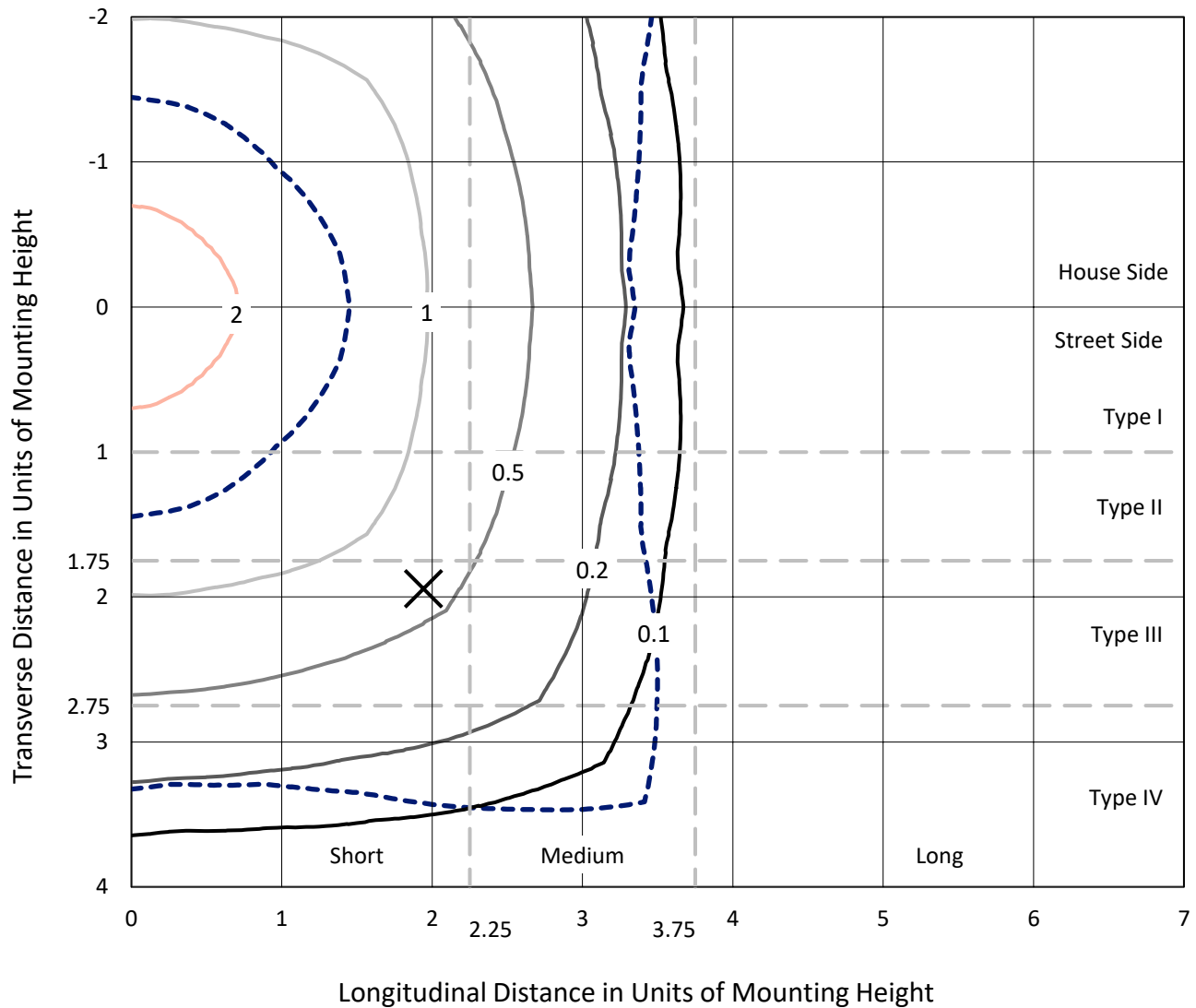


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

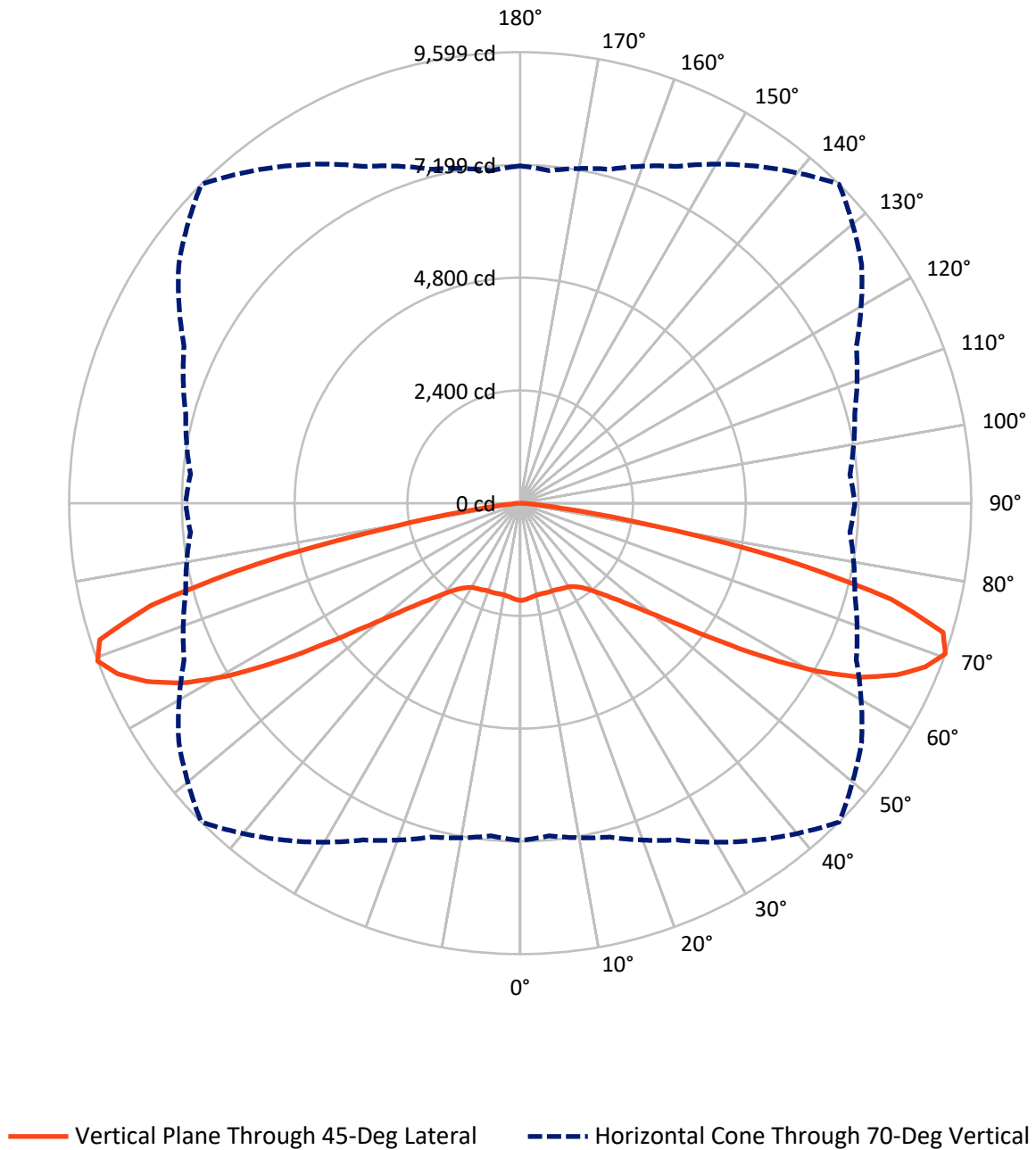


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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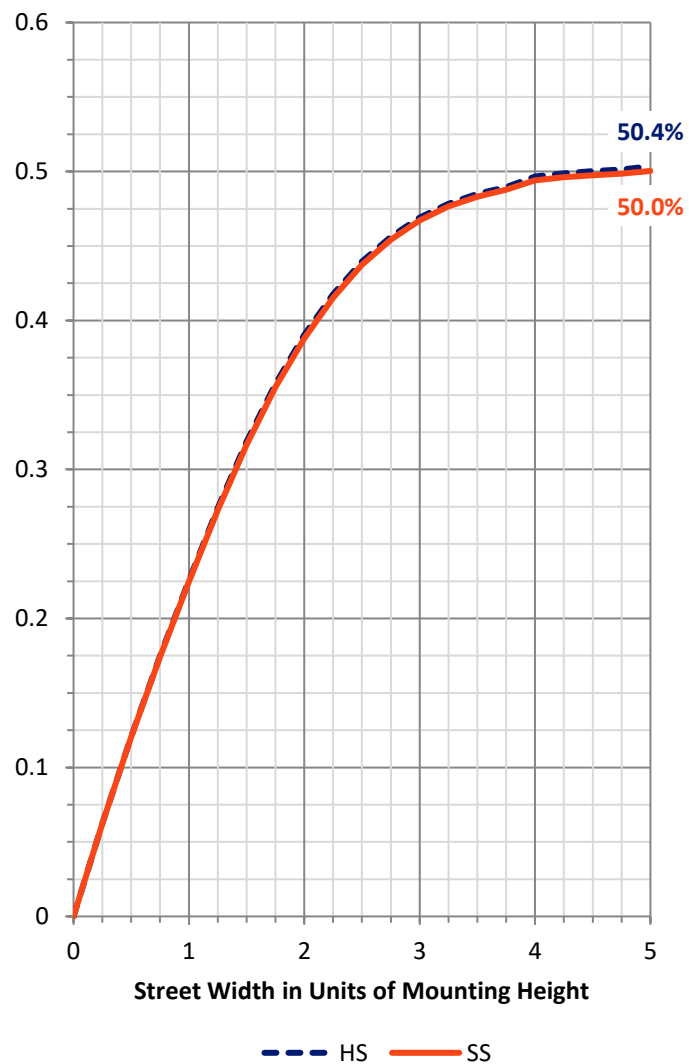
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11365.0	0.0	11365.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11365.0	0.0	11365.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22730.0	0.0	22730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	0.8
10°-20°	566.3	2.5
20°-30°	942.5	4.1
30°-40°	1425.3	6.3
40°-50°	2368.5	10.4
50°-60°	4469.3	19.7
60°-70°	7546.6	33.2
70°-80°	4958.9	21.8
80°-90°	259.8	1.1
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°	22730.0	100.0
0°-180°	22730.0	100.0

Coefficient of Utilization



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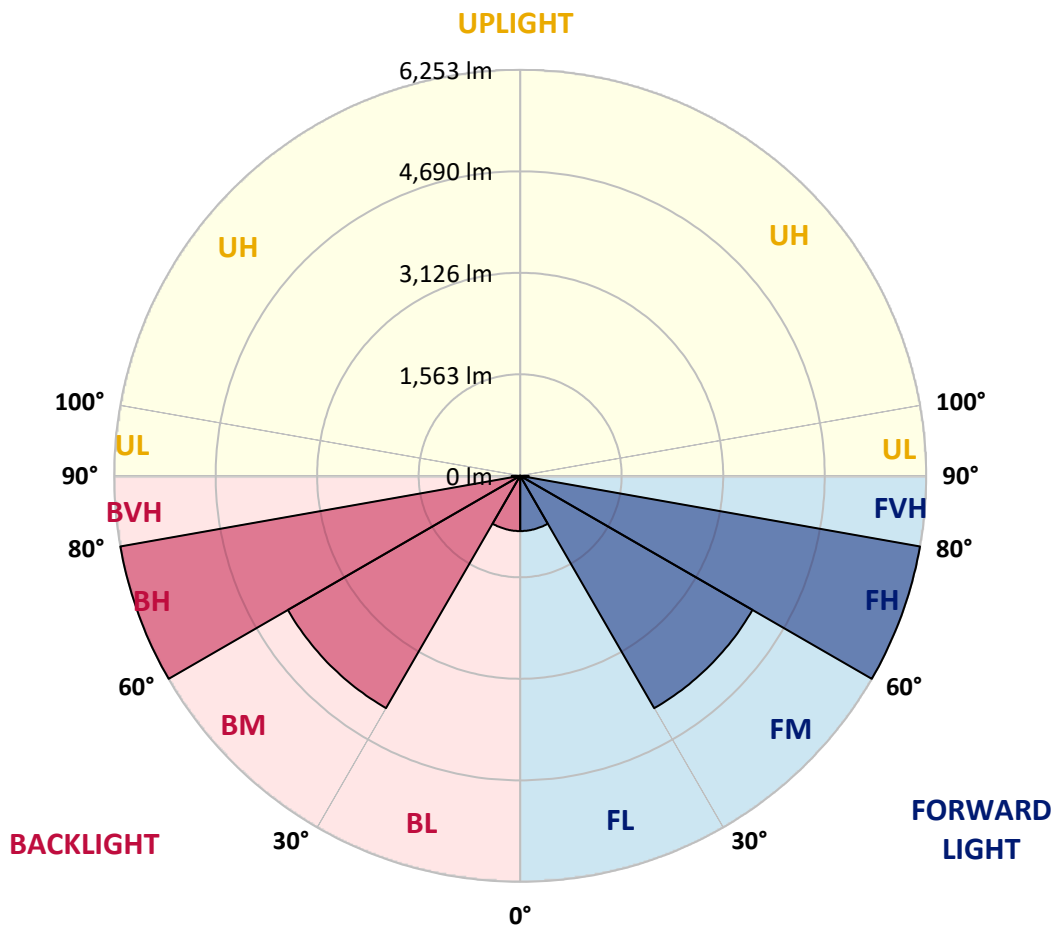
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	850.8	3.7			
FM	(30°-60°)	4131.5	18.2			
FH	(60°-80°)	6252.7	27.5			G3/7500
FVH	(80°-90°)	129.9	0.6			G2/225
BL	(0°-30°)	850.8	3.7	B2/1000		
BM	(30°-60°)	4131.5	18.2	B3/5000		
BH	(60°-80°)	6252.7	27.5	B5		G3/7500
BVH	(80°-90°)	129.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4	2073.4
2.5°	2060.4	2066.3	2064.0	2059.3	2059.3	2055.7	2059.3	2061.6	2065.2	2067.5	2066.3
5°	2033.3	2038.0	2036.8	2033.3	2034.4	2030.9	2033.3	2036.8	2039.2	2040.4	2040.4
7.5°	2009.6	2014.4	2012.0	2006.1	2006.1	2002.5	2003.7	2007.3	2010.8	2012.0	2012.0
10°	2003.7	2008.5	2001.4	1991.9	1988.4	1983.6	1984.8	1988.4	1995.5	1999.0	1999.0
12.5°	2006.1	2009.6	2002.5	1988.4	1984.8	1980.1	1980.1	1983.6	1993.1	1997.8	1999.0
15°	2013.2	2016.7	2006.1	1990.7	1987.2	1983.6	1982.5	1987.2	1997.8	2006.1	2007.3
17.5°	2026.2	2029.7	2013.2	1991.9	1987.2	1988.4	1987.2	1990.7	2007.3	2022.6	2022.6
20°	2038.0	2040.4	2017.9	1991.9	1987.2	1988.4	1987.2	1994.3	2015.5	2036.8	2038.0
22.5°	2041.5	2043.9	2022.6	2000.2	1996.6	1997.8	1996.6	2003.7	2023.8	2045.1	2045.1
25°	2042.7	2046.3	2029.7	2012.0	2017.9	2020.3	2017.9	2019.1	2034.4	2053.3	2052.2
27.5°	2060.4	2065.2	2049.8	2034.4	2038.0	2036.8	2040.4	2043.9	2055.7	2074.6	2069.9
30°	2097.1	2100.6	2087.6	2072.3	2069.9	2061.6	2072.3	2084.1	2097.1	2113.6	2110.1
32.5°	2157.3	2164.4	2147.9	2131.3	2120.7	2116.0	2124.2	2144.3	2162.0	2179.8	2172.7
35°	2257.7	2262.5	2247.1	2216.4	2197.5	2197.5	2204.6	2230.6	2258.9	2281.4	2273.1
37.5°	2399.5	2405.4	2378.2	2341.6	2313.3	2313.3	2322.7	2349.9	2392.4	2424.3	2412.5
40°	2572.0	2580.3	2546.0	2508.2	2481.0	2476.3	2488.1	2518.8	2559.0	2599.2	2586.2
42.5°	2779.9	2789.4	2744.5	2711.4	2690.1	2690.1	2696.1	2724.4	2761.0	2810.7	2807.1
45°	3045.8	3062.3	3000.9	2967.8	2947.7	2952.4	2956.0	2980.8	3013.9	3070.6	3068.2
47.5°	3362.4	3378.9	3313.9	3279.7	3276.1	3298.6	3284.4	3302.1	3319.9	3384.8	3365.9
50°	3721.5	3749.9	3705.0	3702.6	3709.7	3751.1	3718.0	3727.5	3707.4	3748.7	3723.9
52.5°	4161.0	4202.4	4194.1	4208.3	4287.5	4372.5	4296.9	4263.8	4188.2	4201.2	4157.5
55°	4693.9	4756.5	4768.3	4853.4	5033.0	5206.6	5045.9	4912.4	4751.8	4722.2	4676.2
57.5°	5300.0	5349.6	5406.3	5580.0	5915.5	6223.8	5915.5	5620.1	5367.3	5307.0	5264.5
60°	5952.1	6013.5	6067.9	6324.3	6822.8	7256.4	6813.4	6344.4	6010.0	5928.5	5857.6
62.5°	6652.7	6731.9	6769.7	7054.4	7635.7	8153.1	7643.9	7075.7	6704.7	6617.3	6546.4
65°	7325.0	7389.9	7432.5	7736.1	8291.4	8810.0	8329.2	7769.2	7387.6	7273.0	7216.3
67.5°	7638.0	7673.5	7777.4	8121.2	8707.2	9299.1	8806.5	8157.9	7731.4	7530.5	7532.9
70°	7179.6	7107.6	7358.0	7908.6	8756.9	9599.2	8870.3	7892.0	7369.8	7043.8	7121.7
72.5°	5548.1	5424.0	5858.8	6800.4	8189.8	9407.8	8246.5	6853.6	6129.3	5467.7	5631.9
75°	3018.6	2878.0	3478.2	4669.1	6531.0	8154.3	6681.1	4802.6	3872.8	2996.1	3191.1
77.5°	851.8	798.7	1283.0	2258.9	3928.3	5725.3	4079.5	2308.5	1521.7	902.6	1003.0
80°	261.1	252.8	342.6	680.5	1668.2	2742.1	1603.2	688.8	436.0	275.3	290.6
82.5°	154.8	141.8	170.1	248.1	425.3	861.3	413.5	258.7	207.9	139.4	151.2
85°	88.6	82.7	100.4	120.5	143.0	183.1	119.3	122.9	111.1	74.4	78.0
87.5°	36.6	33.1	39.0	37.8	33.1	42.5	31.9	37.8	44.9	29.5	27.2
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)