

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: P941450

Luminaire Tested: **GALN-SB5A-730-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941450
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-SB5A-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22920 lumens
Efficiency: N/A
Efficacy: 161.8 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): 141.7
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: 24 FT



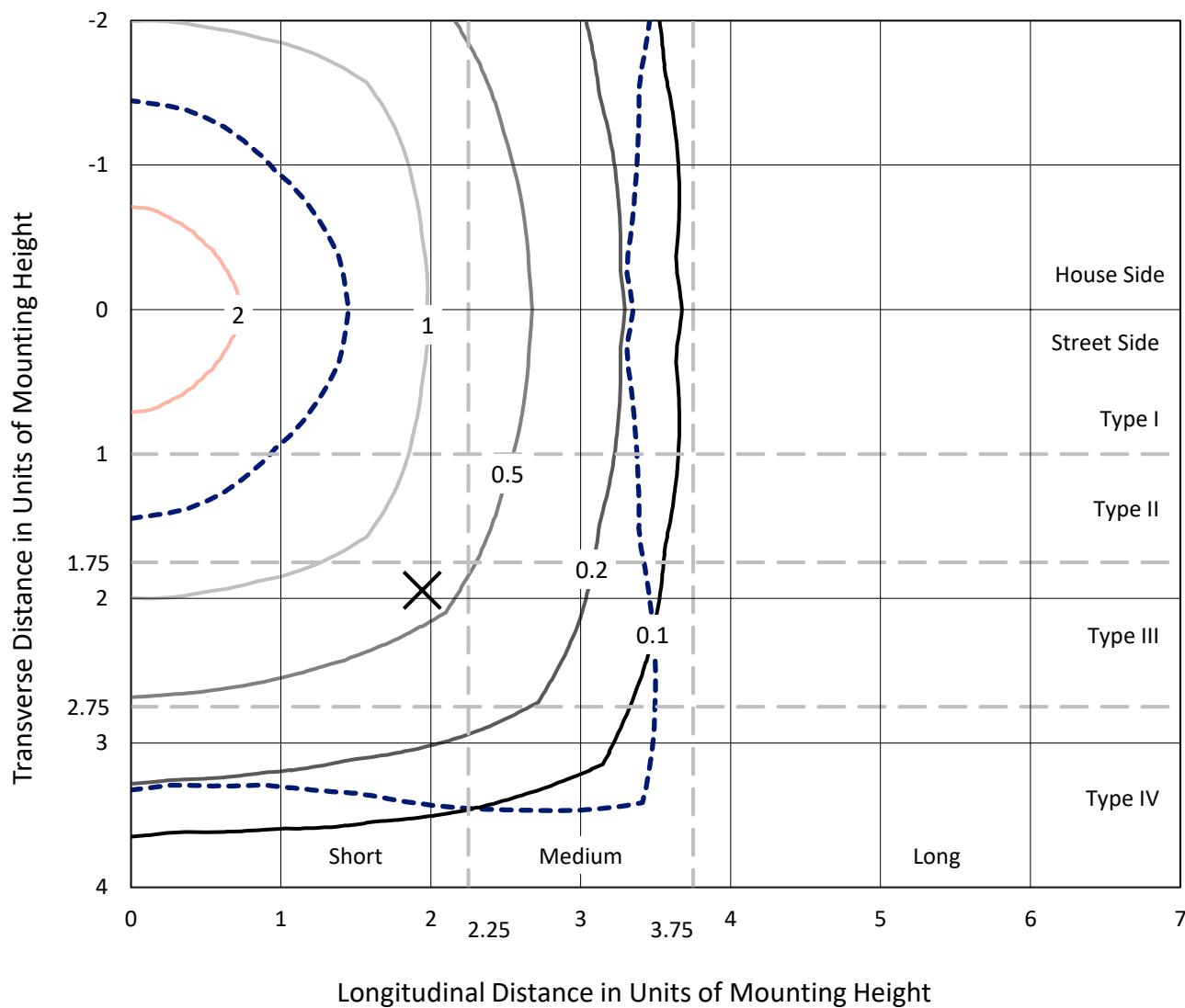
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Iso-Footcandle Lines of Horizontal Illumination

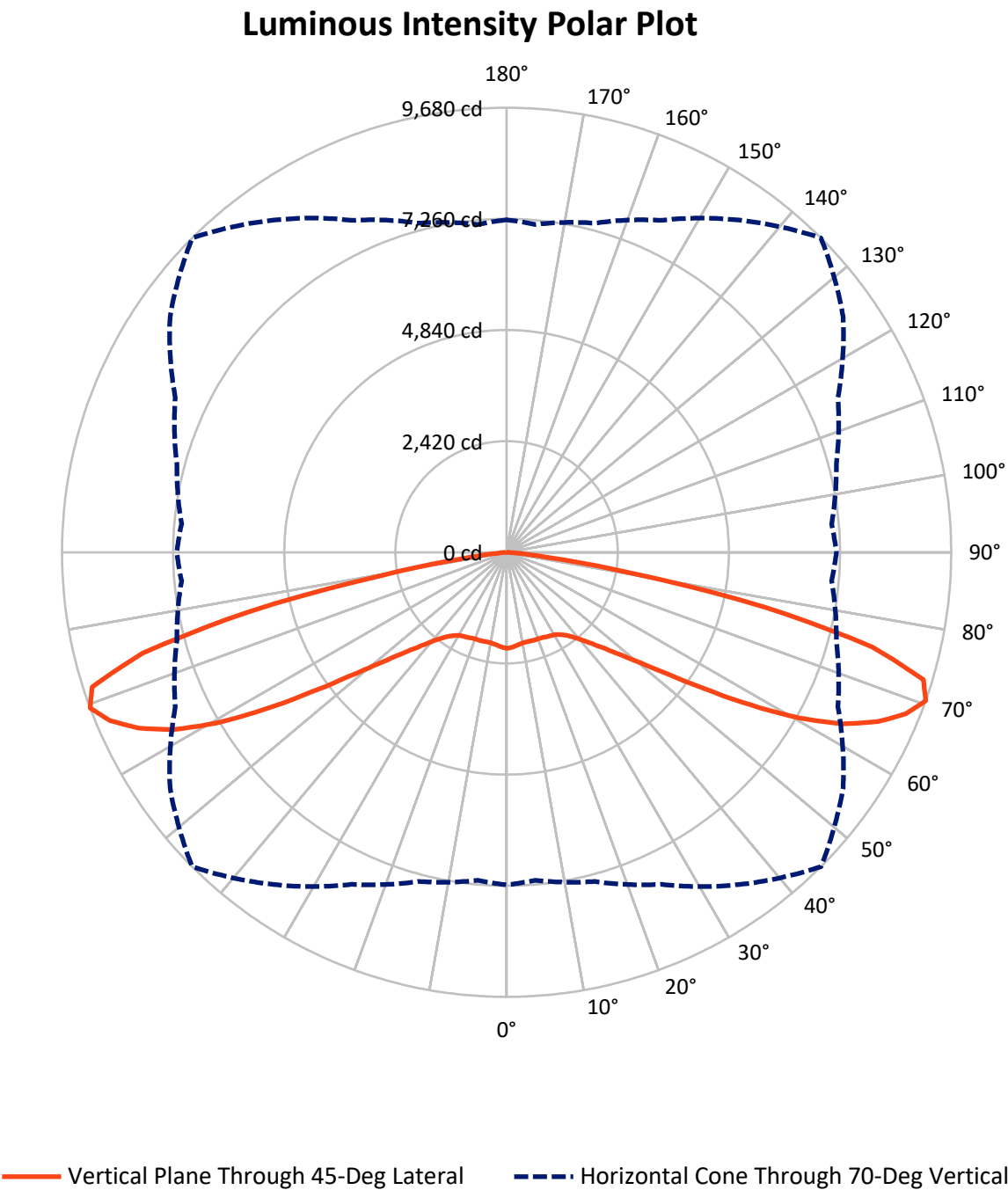
✕ Max cd

--- 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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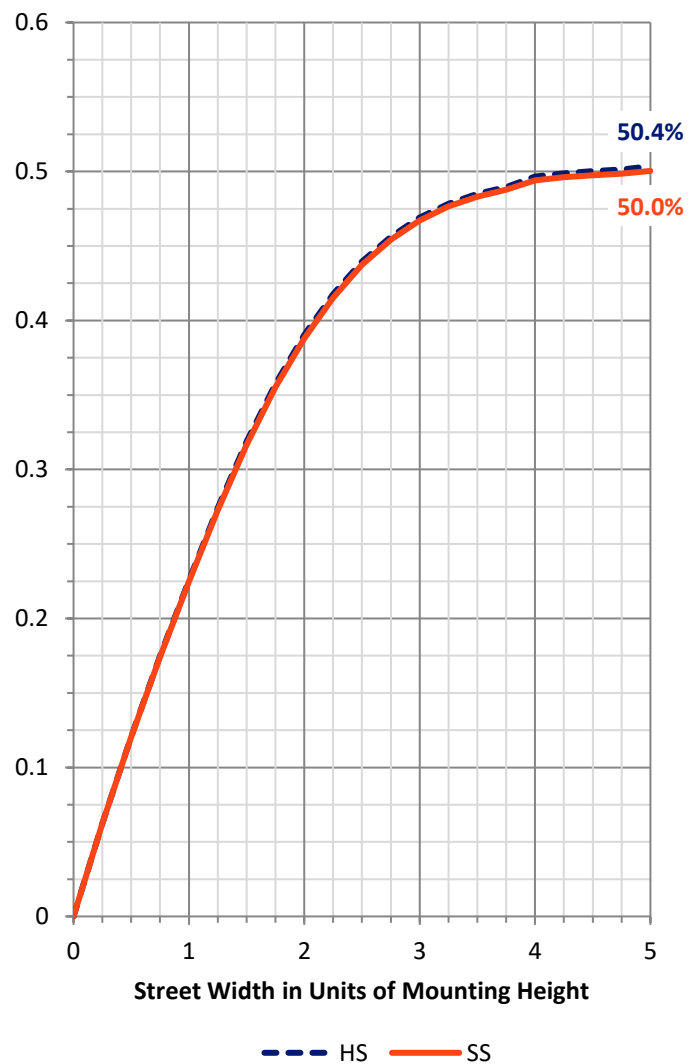
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11460.0	0.0	11460.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11460.0	0.0	11460.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22920.0	0.0	22920.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	0.8
10°-20°	571.1	2.5
20°-30°	950.3	4.1
30°-40°	1437.2	6.3
40°-50°	2388.3	10.4
50°-60°	4506.6	19.7
60°-70°	7609.6	33.2
70°-80°	5000.3	21.8
80°-90°	262.0	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°	22920.0	100.0
0°-180°	22920.0	100.0

Coefficient of Utilization



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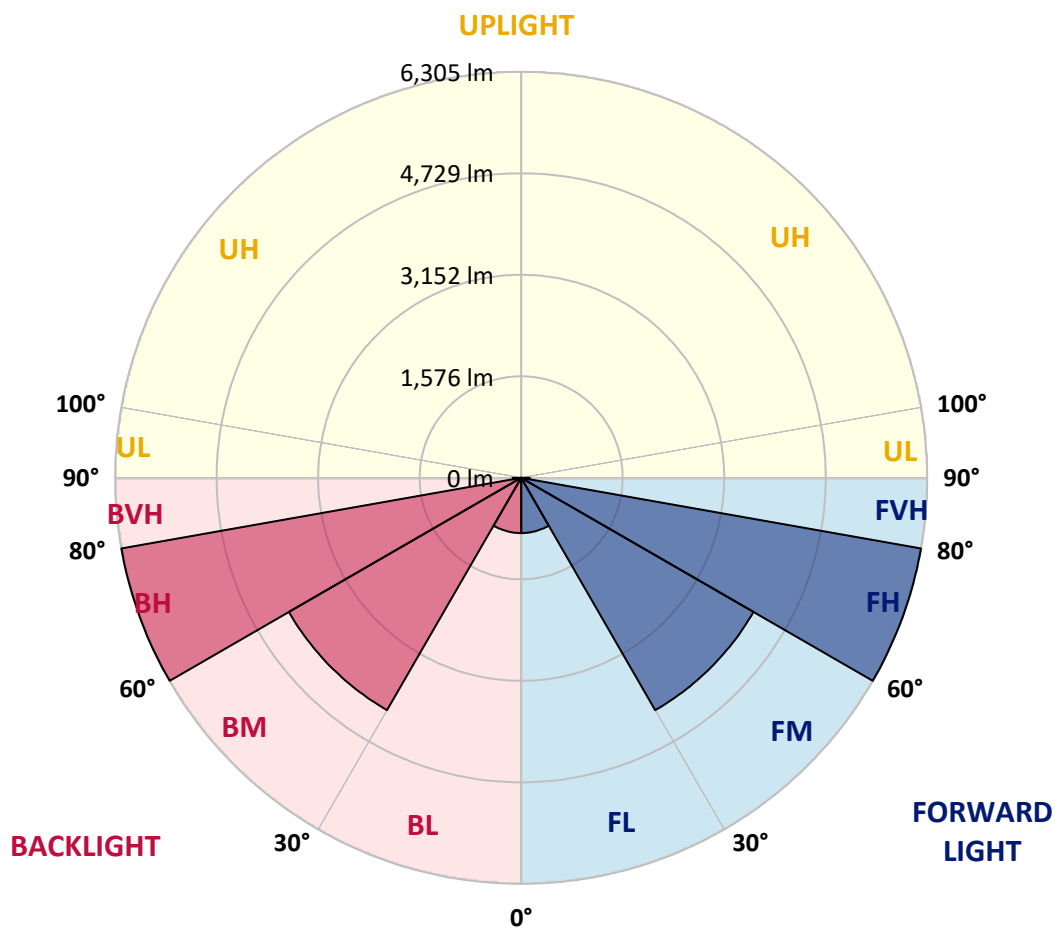
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	858.0	3.7			
FM	(30°-60°)	4166.1	18.2			
FH	(60°-80°)	6305.0	27.5			G3/7500
FVH	(80°-90°)	131.0	0.6			G2/225
BL	(0°-30°)	858.0	3.7	B2/1000		
BM	(30°-60°)	4166.1	18.2	B3/5000		
BH	(60°-80°)	6305.0	27.5	B5		G3/7500
BVH	(80°-90°)	131.0	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°	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8	2090.8
2.5°	2077.7	2083.6	2081.2	2076.5	2076.5	2072.9	2076.5	2078.9	2082.4	2084.8	2083.6
5°	2050.3	2055.0	2053.8	2050.3	2051.5	2047.9	2050.3	2053.8	2056.2	2057.4	2057.4
7.5°	2026.4	2031.2	2028.8	2022.9	2022.9	2019.3	2020.5	2024.1	2027.6	2028.8	2028.8
10°	2020.5	2025.2	2018.1	2008.6	2005.0	2000.2	2001.4	2005.0	2012.1	2015.7	2015.7
12.5°	2022.9	2026.4	2019.3	2005.0	2001.4	1996.7	1996.7	2000.2	2009.8	2014.5	2015.7
15°	2030.0	2033.6	2022.9	2007.4	2003.8	2000.2	1999.0	2003.8	2014.5	2022.9	2024.1
17.5°	2043.1	2046.7	2030.0	2008.6	2003.8	2005.0	2003.8	2007.4	2024.1	2039.5	2039.5
20°	2055.0	2057.4	2034.8	2008.6	2003.8	2005.0	2003.8	2010.9	2032.4	2053.8	2055.0
22.5°	2058.6	2061.0	2039.5	2016.9	2013.3	2014.5	2013.3	2020.5	2040.7	2062.2	2062.2
25°	2059.8	2063.4	2046.7	2028.8	2034.8	2037.2	2034.8	2036.0	2051.5	2070.5	2069.3
27.5°	2077.7	2082.4	2066.9	2051.5	2055.0	2053.8	2057.4	2061.0	2072.9	2092.0	2087.2
30°	2114.6	2118.2	2105.1	2089.6	2087.2	2078.9	2089.6	2101.5	2114.6	2131.3	2127.7
32.5°	2175.3	2182.5	2165.8	2149.1	2138.4	2133.7	2142.0	2162.2	2180.1	2198.0	2190.8
35°	2276.6	2281.4	2265.9	2234.9	2215.9	2215.9	2223.0	2249.2	2277.8	2300.4	2292.1
37.5°	2419.6	2425.5	2398.1	2361.2	2332.6	2332.6	2342.1	2369.5	2412.4	2444.6	2432.7
40°	2593.5	2601.8	2567.3	2529.2	2501.8	2497.0	2508.9	2539.9	2580.4	2620.9	2607.8
42.5°	2803.2	2812.7	2767.4	2734.1	2712.6	2712.6	2718.6	2747.2	2784.1	2834.1	2830.6
45°	3071.2	3087.9	3026.0	2992.6	2972.3	2977.1	2980.7	3005.7	3039.1	3096.2	3093.9
47.5°	3390.5	3407.2	3341.7	3307.1	3303.5	3326.2	3311.9	3329.7	3347.6	3413.1	3394.1
50°	3752.7	3781.2	3736.0	3733.6	3740.7	3782.4	3749.1	3758.6	3738.4	3780.1	3755.0
52.5°	4195.8	4237.5	4229.2	4243.5	4323.3	4409.1	4332.8	4299.5	4223.2	4236.3	4192.3
55°	4733.1	4796.3	4808.2	4893.9	5075.0	5250.1	5088.1	4953.5	4791.5	4761.7	4715.2
57.5°	5344.3	5394.3	5451.5	5626.6	5964.9	6275.9	5964.9	5667.1	5412.2	5351.4	5308.5
60°	6001.9	6063.8	6118.6	6377.1	6879.9	7317.1	6870.3	6397.4	6060.2	5978.0	5906.6
62.5°	6708.3	6788.1	6826.3	7113.4	7699.5	8221.3	7707.8	7134.8	6760.7	6672.6	6601.1
65°	7386.2	7451.7	7494.6	7800.8	8360.7	8883.7	8398.8	7834.1	7449.3	7333.8	7276.6
67.5°	7701.9	7737.6	7842.5	8189.1	8780.0	9376.9	8880.1	8226.1	7796.0	7593.5	7595.9
70°	7239.6	7167.0	7419.5	7974.7	8830.1	9679.5	8944.4	7958.0	7431.5	7102.6	7181.3
72.5°	5594.4	5469.3	5907.8	6857.2	8258.2	9486.5	8315.4	6910.8	6180.6	5513.4	5679.0
75°	3043.8	2902.1	3507.2	4708.1	6585.6	8222.5	6736.9	4842.7	3905.1	3021.2	3217.8
77.5°	858.9	805.3	1293.8	2277.8	3961.1	5773.1	4113.6	2327.8	1534.4	910.2	1011.4
80°	263.3	254.9	345.5	686.2	1682.1	2765.1	1616.6	694.5	439.6	277.6	293.1
82.5°	156.1	143.0	171.5	250.2	428.9	868.5	417.0	260.9	209.7	140.6	152.5
85°	89.3	83.4	101.3	121.5	144.1	184.7	120.3	123.9	112.0	75.1	78.6
87.5°	36.9	33.4	39.3	38.1	33.4	42.9	32.2	38.1	45.3	29.8	27.4
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)