

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: P940440

Luminaire Tested: **GALN-SB3C-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940440  
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-SB3C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

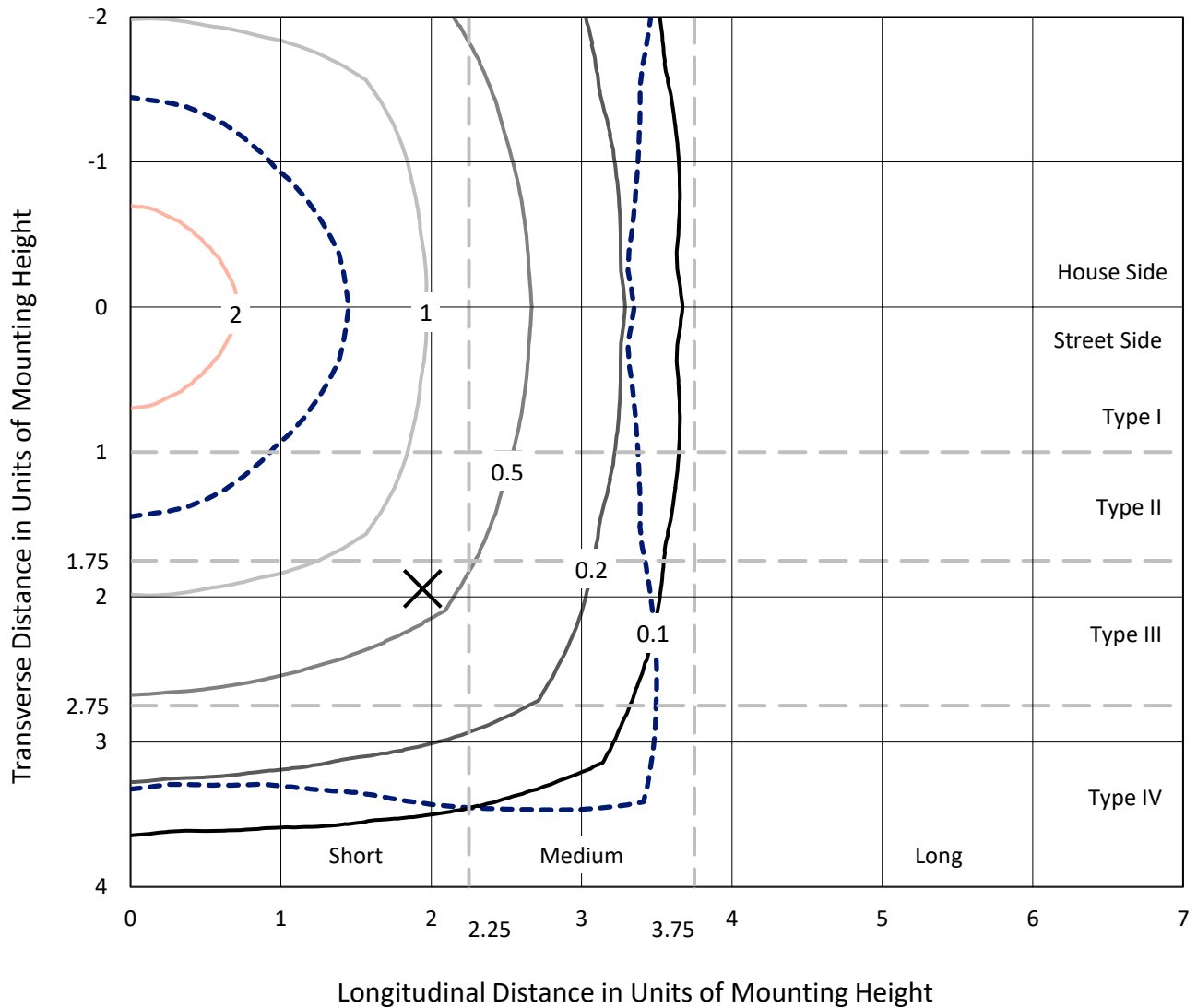
Lumens per Lamp: N/A  
Luminaire Lumens: 22729 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

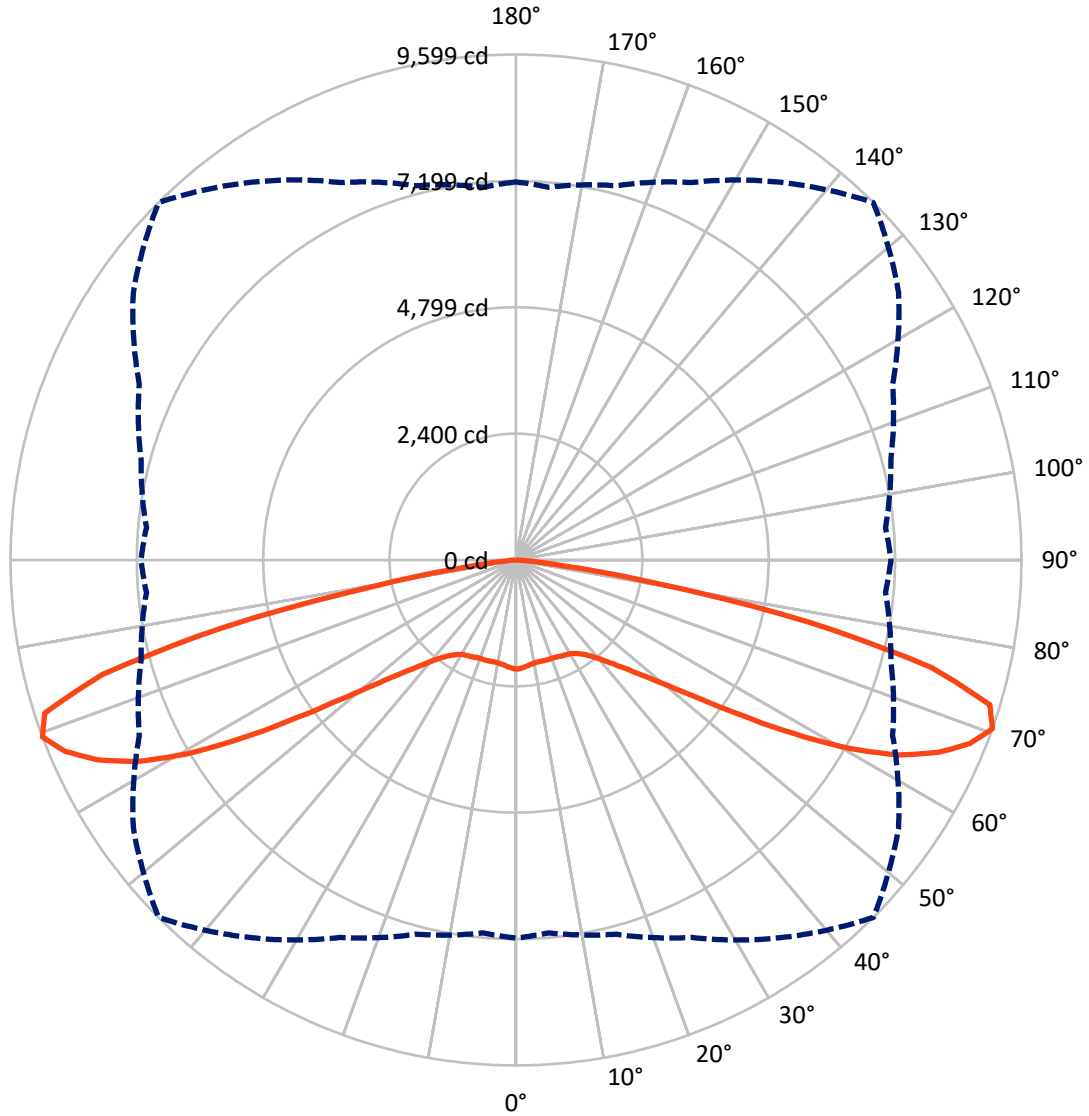
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11364.5	0.0	11364.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11364.5	0.0	11364.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22729.0	0.0	22729.0
	% 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°	942.4	4.1
30°-40°	1425.2	6.3
40°-50°	2368.4	10.4
50°-60°	4469.1	19.7
60°-70°	7546.2	33.2
70°-80°	4958.7	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°	22729.0	100.0
0°-180°	22729.0	100.0

**Coefficient of Utilization**



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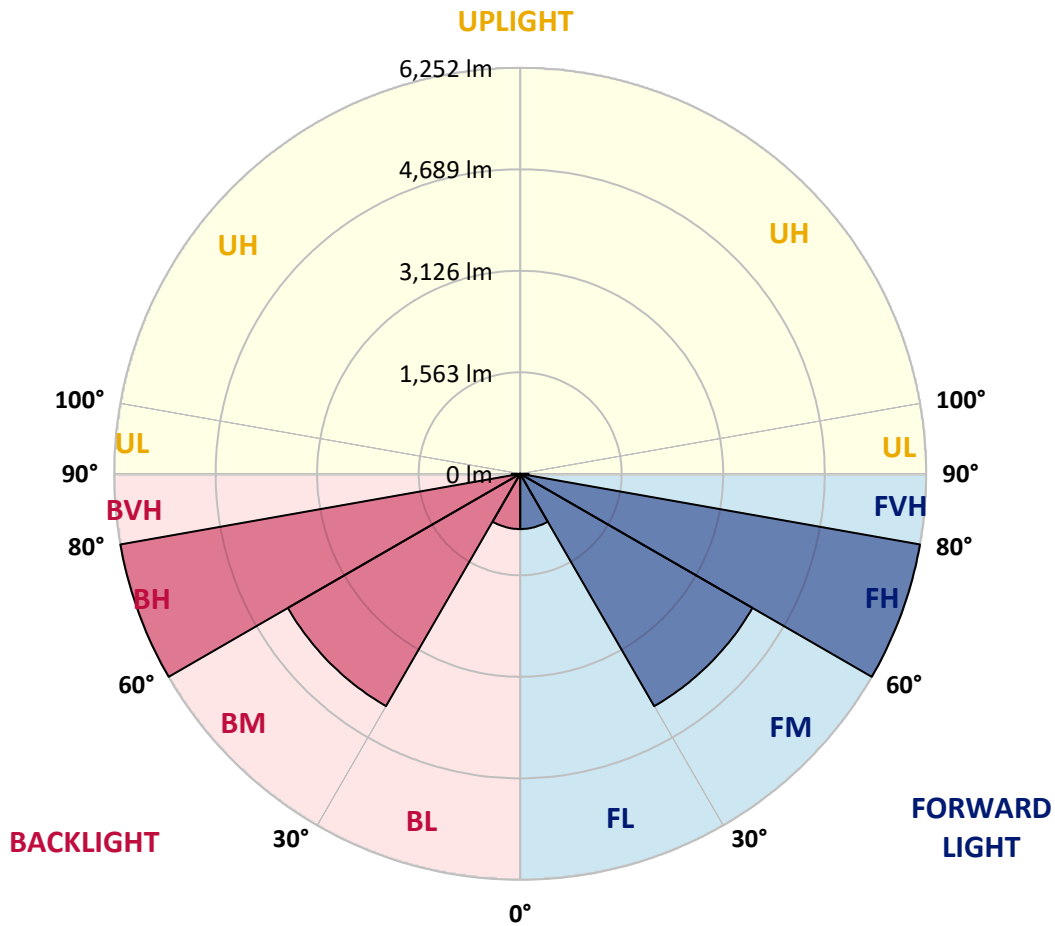
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.8	3.7			
FM (30°-60°)	4131.4	18.2			
FH (60°-80°)	6252.4	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°)	4131.4	18.2	B3/5000		
BH (60°-80°)	6252.4	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°
0°	2073.3	2073.3	2073.3	2073.3	2073.3	2073.3	2073.3	2073.3	2073.3	2073.3
2.5°	2060.3	2066.3	2063.9	2059.2	2059.2	2055.6	2059.2	2061.5	2065.1	2067.4
5°	2033.2	2037.9	2036.7	2033.2	2034.4	2030.8	2033.2	2036.7	2039.1	2040.3
7.5°	2009.5	2014.3	2011.9	2006.0	2006.0	2002.5	2003.6	2007.2	2010.7	2011.9
10°	2003.6	2008.4	2001.3	1991.8	1988.3	1983.6	1984.7	1988.3	1995.4	1998.9
12.5°	2006.0	2009.5	2002.5	1988.3	1984.7	1980.0	1980.0	1983.6	1993.0	1997.7
15°	2013.1	2016.6	2006.0	1990.6	1987.1	1983.6	1982.4	1987.1	1997.7	2006.0
17.5°	2026.1	2029.6	2013.1	1991.8	1987.1	1988.3	1987.1	1990.6	2007.2	2022.5
20°	2037.9	2040.3	2017.8	1991.8	1987.1	1988.3	1987.1	1994.2	2015.5	2036.7
22.5°	2041.4	2043.8	2022.5	2000.1	1996.6	1997.7	1996.6	2003.6	2023.7	2045.0
25°	2042.6	2046.2	2029.6	2011.9	2017.8	2020.2	2017.8	2019.0	2034.4	2053.3
27.5°	2060.3	2065.1	2049.7	2034.4	2037.9	2036.7	2040.3	2043.8	2055.6	2074.5
30°	2097.0	2100.5	2087.5	2072.2	2069.8	2061.5	2072.2	2084.0	2097.0	2113.5
32.5°	2157.2	2164.3	2147.8	2131.2	2120.6	2115.9	2124.1	2144.2	2161.9	2179.7
35°	2257.6	2262.4	2247.0	2216.3	2197.4	2197.4	2204.5	2230.5	2258.8	2281.3
37.5°	2399.4	2405.3	2378.1	2341.5	2313.2	2313.2	2322.6	2349.8	2392.3	2424.2
40°	2571.9	2580.2	2545.9	2508.1	2480.9	2476.2	2488.0	2518.7	2558.9	2599.1
42.5°	2779.8	2789.3	2744.4	2711.3	2690.0	2690.0	2695.9	2724.3	2760.9	2810.5
45°	3045.6	3062.2	3000.7	2967.7	2947.6	2952.3	2955.8	2980.7	3013.7	3070.4
47.5°	3362.2	3378.8	3313.8	3279.5	3276.0	3298.4	3284.3	3302.0	3319.7	3384.7
50°	3721.4	3749.7	3704.8	3702.5	3709.6	3750.9	3717.8	3727.3	3707.2	3748.6
52.5°	4160.9	4202.2	4193.9	4208.1	4287.3	4372.3	4296.7	4263.6	4188.0	4201.0
55°	4693.7	4756.3	4768.1	4853.2	5032.7	5206.4	5045.7	4912.2	4751.6	4722.0
57.5°	5299.7	5349.3	5406.0	5579.7	5915.2	6223.6	5915.2	5619.9	5367.1	5306.8
60°	5951.9	6013.3	6067.6	6324.0	6822.5	7256.1	6813.1	6344.1	6009.7	5928.2
62.5°	6652.4	6731.6	6769.4	7054.1	7635.3	8152.8	7643.6	7075.4	6704.4	6617.0
65°	7324.6	7389.6	7432.1	7735.8	8291.0	8809.6	8328.8	7768.8	7387.2	7272.6
67.5°	7637.7	7673.1	7777.1	8120.9	8706.9	9298.7	8806.1	8157.5	7731.0	7530.2
70°	7179.3	7107.3	7357.7	7908.2	8756.5	9598.8	8869.9	7891.7	7369.5	7043.5
72.5°	5547.8	5423.8	5858.5	6800.1	8189.4	9407.4	8246.1	6853.3	6129.1	5467.5
75°	3018.5	2877.9	3478.0	4668.9	6530.7	8154.0	6680.8	4802.4	3872.6	2996.0
77.5°	851.8	798.6	1283.0	2258.8	3928.1	5725.0	4079.3	2308.4	1521.6	902.6
80°	261.1	252.8	342.6	680.5	1668.1	2742.0	1603.1	688.8	435.9	275.3
82.5°	154.8	141.8	170.1	248.1	425.3	861.2	413.5	258.7	207.9	139.4
85°	88.6	82.7	100.4	120.5	142.9	183.1	119.3	122.9	111.1	74.4
87.5°	36.6	33.1	39.0	37.8	33.1	42.5	31.9	37.8	44.9	29.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2073.3
2066.3
2040.3
2011.9
1998.9
1998.9
2007.2
2022.5
2037.9
2045.0
2052.1
2069.8
2110.0
2172.6
2273.0
2412.4
2586.1
2807.0
3068.1
3365.8
3723.7
4157.3
4675.9
5264.3
5857.3
6546.1
7215.9
7532.6
7121.4
5631.7
3190.9
1003.0
290.6
151.2
78.0
27.2
0.0

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