

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: P940520

Luminaire Tested: **GALN-SB3C-850-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940520  
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-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

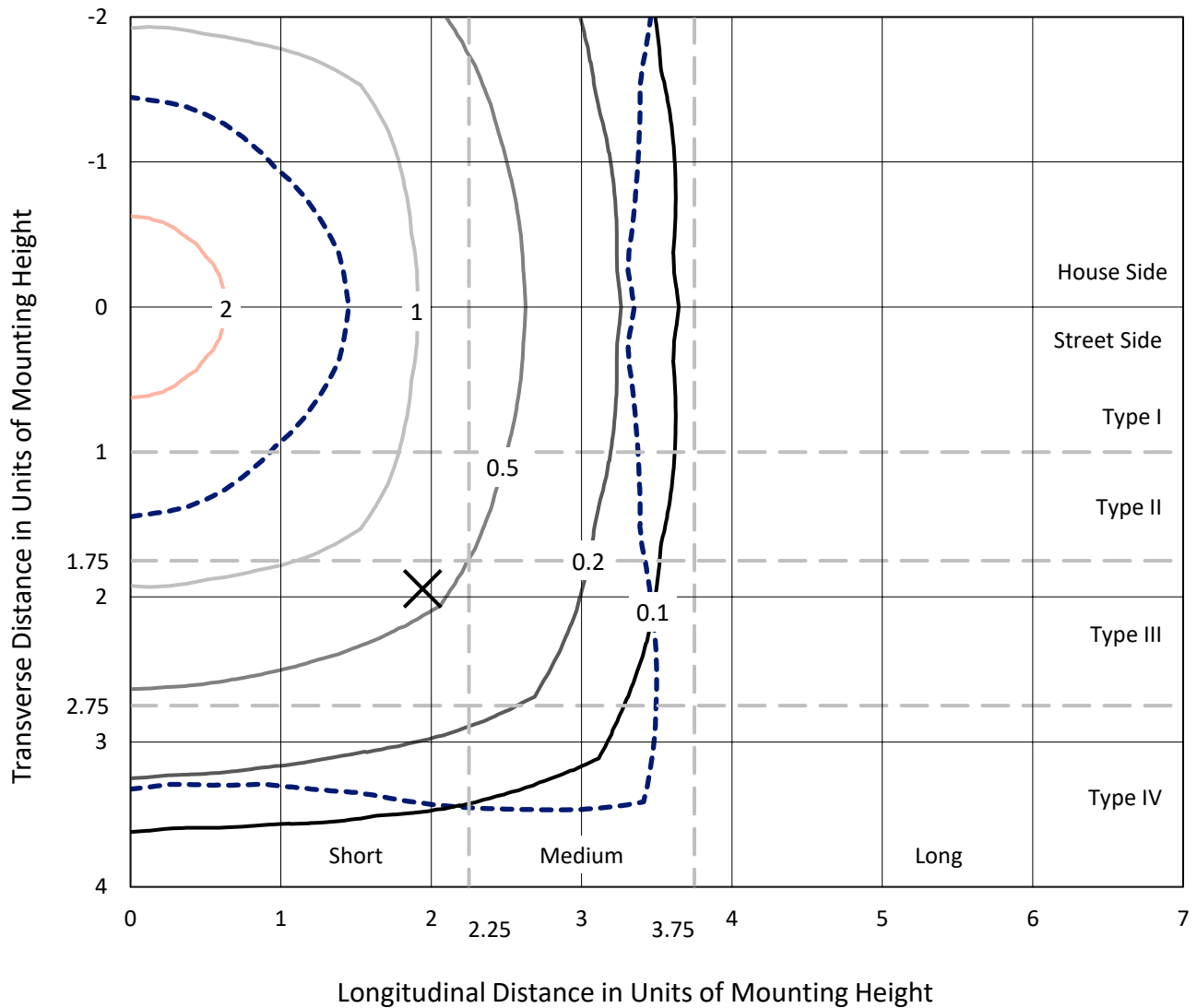
Lumens per Lamp: N/A  
Luminaire Lumens: 21740 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

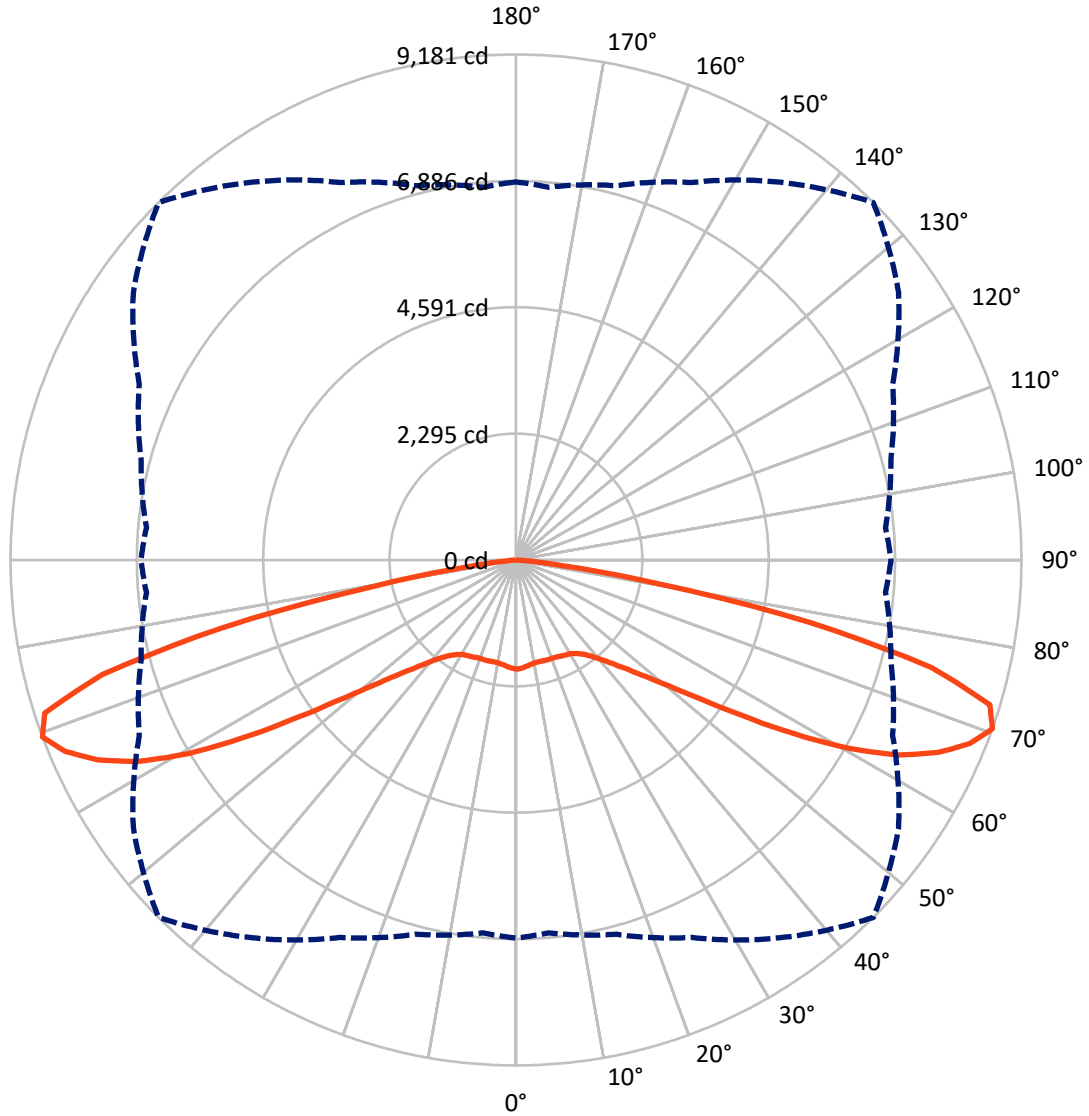
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	10870.0	0.0	10870.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10870.0	0.0	10870.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21740.0	0.0	21740.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.5	0.8
10°-20°	541.7	2.5
20°-30°	901.4	4.1
30°-40°	1363.2	6.3
40°-50°	2265.3	10.4
50°-60°	4274.6	19.7
60°-70°	7217.9	33.2
70°-80°	4742.9	21.8
80°-90°	248.5	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°	21740.0	100.0
0°-180°	21740.0	100.0

**Coefficient of Utilization**



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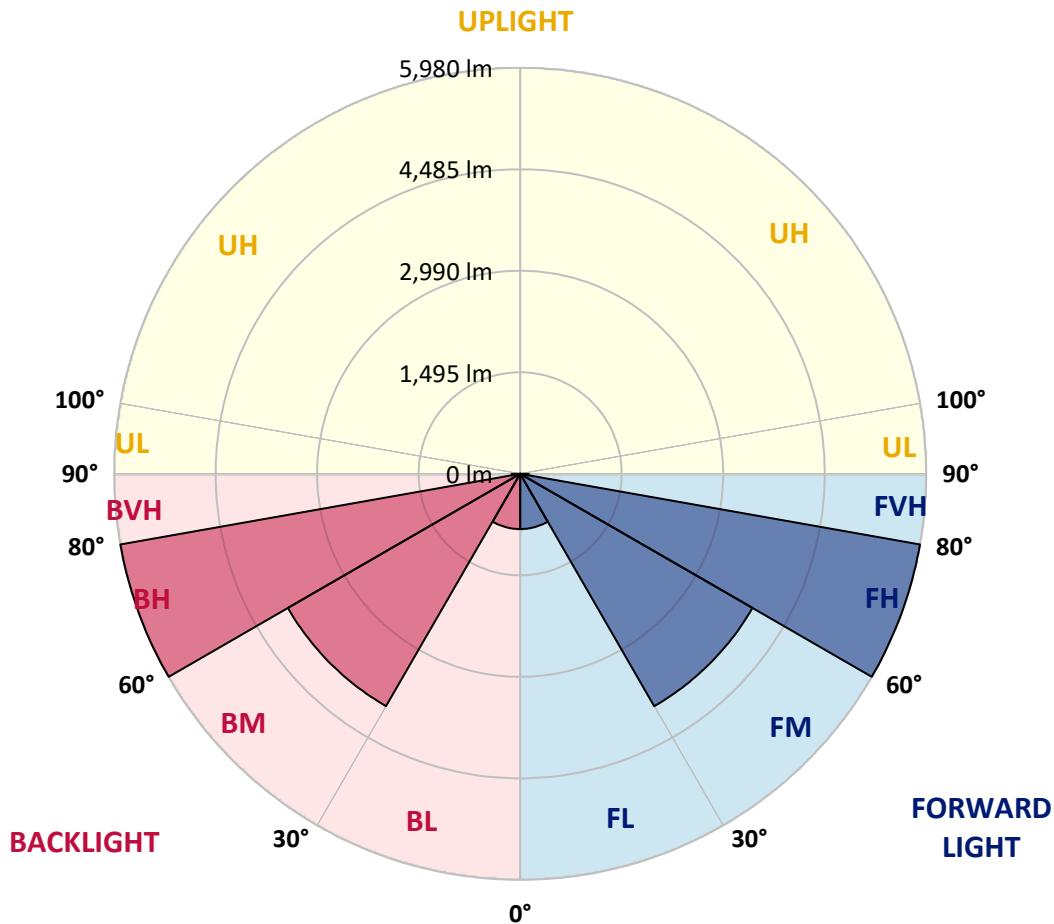
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.8	3.7			
FM (30°-60°)	3951.6	18.2			
FH (60°-80°)	5980.4	27.5			G3/7500
FVH (80°-90°)	124.2	0.6			G2/225
BL (0°-30°)	813.8	3.7	B2/1000		
BM (30°-60°)	3951.6	18.2	B3/5000		
BH (60°-80°)	5980.4	27.5	B5		G3/7500
BVH (80°-90°)	124.2	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°	1983.1	1983.1	1983.1	1983.1	1983.1	1983.1	1983.1	1983.1	1983.1	1983.1
2.5°	1970.7	1976.3	1974.1	1969.6	1969.6	1966.2	1969.6	1971.8	1975.2	1977.5
5°	1944.7	1949.2	1948.1	1944.7	1945.8	1942.4	1944.7	1948.1	1950.4	1951.5
7.5°	1922.1	1926.6	1924.4	1918.7	1918.7	1915.3	1916.5	1919.8	1923.2	1924.4
10°	1916.5	1921.0	1914.2	1905.2	1901.8	1897.2	1898.4	1901.8	1908.5	1911.9
12.5°	1918.7	1922.1	1915.3	1901.8	1898.4	1893.9	1893.9	1897.2	1906.3	1910.8
15°	1925.5	1928.9	1918.7	1904.0	1900.6	1897.2	1896.1	1900.6	1910.8	1918.7
17.5°	1937.9	1941.3	1925.5	1905.2	1900.6	1901.8	1900.6	1904.0	1919.8	1934.5
20°	1949.2	1951.5	1930.0	1905.2	1900.6	1901.8	1900.6	1907.4	1927.8	1948.1
22.5°	1952.6	1954.9	1934.5	1913.1	1909.7	1910.8	1909.7	1916.5	1935.7	1956.0
25°	1953.7	1957.1	1941.3	1924.4	1930.0	1932.3	1930.0	1931.1	1945.8	1963.9
27.5°	1970.7	1975.2	1960.5	1945.8	1949.2	1948.1	1951.5	1954.9	1966.2	1984.3
30°	2005.7	2009.1	1996.7	1982.0	1979.7	1971.8	1982.0	1993.3	2005.7	2021.5
32.5°	2063.4	2070.1	2054.3	2038.5	2028.3	2023.8	2031.7	2050.9	2067.9	2084.8
35°	2159.4	2163.9	2149.2	2119.9	2101.8	2101.8	2108.6	2133.4	2160.5	2182.0
37.5°	2295.0	2300.7	2274.7	2239.6	2212.5	2212.5	2221.6	2247.5	2288.2	2318.7
40°	2460.0	2467.9	2435.1	2399.0	2373.0	2368.5	2379.8	2409.1	2447.6	2486.0
42.5°	2658.9	2667.9	2625.0	2593.3	2573.0	2573.0	2578.6	2605.7	2640.8	2688.2
45°	2913.1	2928.9	2870.2	2838.5	2819.3	2823.8	2827.2	2851.0	2882.6	2936.8
47.5°	3215.9	3231.8	3169.6	3136.8	3133.5	3154.9	3141.4	3158.3	3175.3	3237.4
50°	3559.5	3586.6	3543.6	3541.4	3548.2	3587.7	3556.1	3565.1	3545.9	3585.4
52.5°	3979.8	4019.4	4011.5	4025.0	4100.7	4182.1	4109.8	4078.1	4005.8	4018.2
55°	4489.4	4549.3	4560.6	4642.0	4813.7	4979.8	4826.2	4698.5	4544.8	4516.6
57.5°	5069.1	5116.6	5170.8	5336.9	5657.8	5952.8	5657.8	5375.3	5133.5	5075.9
60°	5692.9	5751.6	5803.6	6048.8	6525.7	6940.4	6516.6	6068.0	5748.2	5670.3
62.5°	6363.0	6438.7	6474.8	6747.1	7303.1	7798.0	7311.0	6767.5	6412.7	6329.1
65°	7005.9	7068.1	7108.7	7399.1	7930.2	8426.3	7966.4	7430.8	7065.8	6956.2
67.5°	7305.4	7339.3	7438.7	7767.5	8328.0	8894.1	8422.9	7802.6	7394.6	7202.5
70°	6866.9	6798.0	7037.6	7564.1	8375.5	9181.1	8483.9	7548.3	7048.9	6737.0
72.5°	5306.4	5187.8	5603.6	6504.2	7833.1	8998.1	7887.3	6555.0	5862.4	5229.6
75°	2887.1	2752.6	3326.7	4465.7	6246.6	7799.2	6390.1	4593.4	3704.1	2865.6
77.5°	814.7	763.9	1227.2	2160.5	3757.2	5475.9	3901.8	2208.0	1455.4	863.3
80°	249.7	241.8	327.7	650.9	1595.5	2622.7	1533.4	658.8	417.0	263.3
82.5°	148.0	135.6	162.7	237.3	406.8	823.8	395.5	247.5	198.9	133.3
85°	84.7	79.1	96.0	115.3	136.7	175.1	114.1	117.5	106.2	71.2
87.5°	35.0	31.6	37.3	36.2	31.6	40.7	30.5	36.2	42.9	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1983.1
1976.3
1951.5
1924.4
1911.9
1911.9
1919.8
1934.5
1949.2
1956.0
1962.8
1979.7
2018.2
2078.0
2174.1
2307.4
2473.5
2684.8
2934.6
3219.3
3561.7
3976.4
4472.5
5035.2
5602.5
6261.3
6902.0
7204.8
6811.6
5386.6
3052.1
959.4
278.0
144.6
74.6
26.0
0.0

OF REPORT)