

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: P940490

Luminaire Tested: **GALN-SB3C-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940490
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20423 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

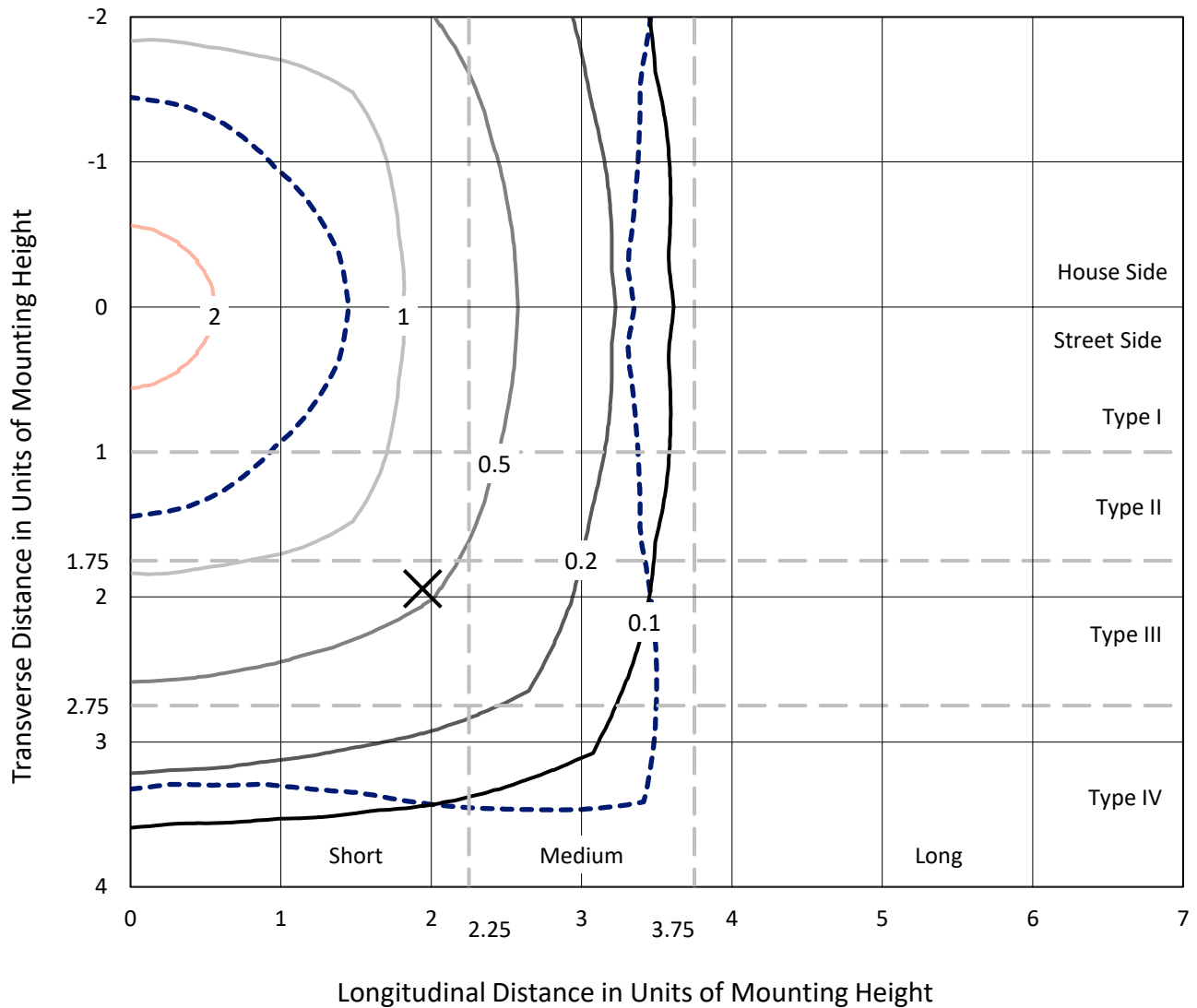
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

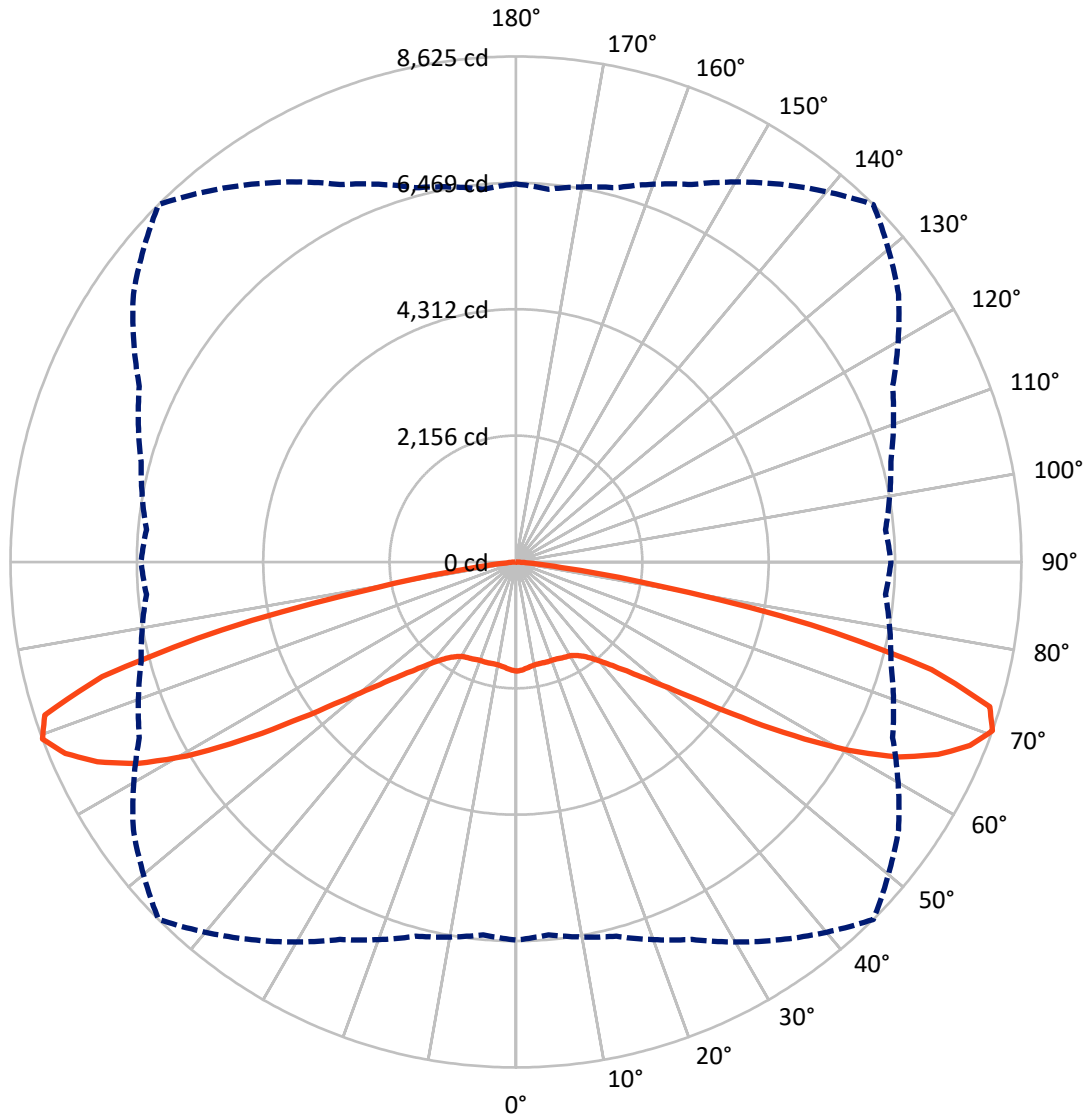
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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
House Side	Lumens	10211.5	0.0	10211.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10211.5	0.0	10211.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20423.0	0.0	20423.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	0.8
10°-20°	508.9	2.5
20°-30°	846.8	4.1
30°-40°	1280.6	6.3
40°-50°	2128.1	10.4
50°-60°	4015.7	19.7
60°-70°	6780.6	33.2
70°-80°	4455.6	21.8
80°-90°	233.4	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°	20423.0	100.0
0°-180°	20423.0	100.0



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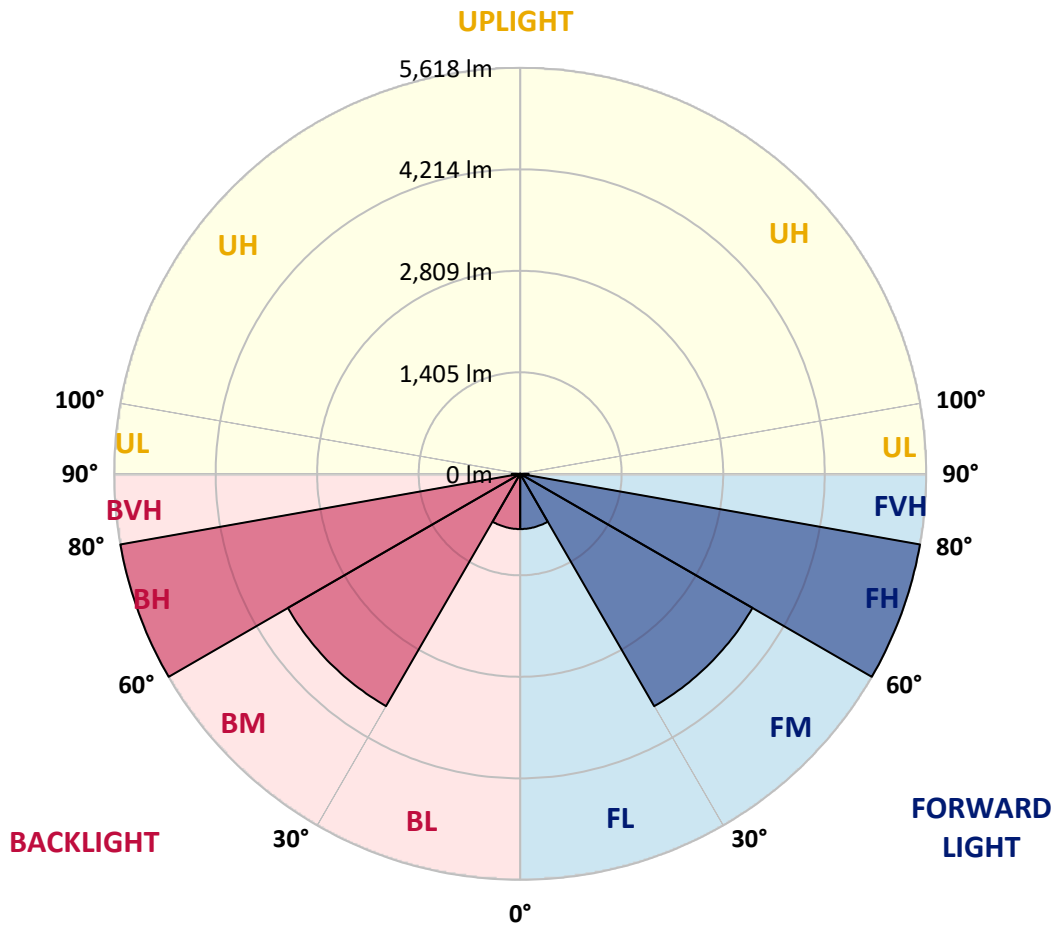
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.5	3.7			
FM (30°-60°)	3712.2	18.2			
FH (60°-80°)	5618.1	27.5			G3/7500
FVH (80°-90°)	116.7	0.6			G2/225
BL (0°-30°)	764.5	3.7	B2/1000		
BM (30°-60°)	3712.2	18.2	B3/5000		
BH (60°-80°)	5618.1	27.5	B5		G3/7500
BVH (80°-90°)	116.7	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°	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0
2.5°	1851.3	1856.6	1854.5	1850.3	1850.3	1847.1	1850.3	1852.4	1855.6	1857.7
5°	1826.9	1831.1	1830.1	1826.9	1828.0	1824.8	1826.9	1830.1	1832.2	1833.3
7.5°	1805.7	1809.9	1807.8	1802.5	1802.5	1799.3	1800.4	1803.5	1806.7	1807.8
10°	1800.4	1804.6	1798.2	1789.7	1786.6	1782.3	1783.4	1786.6	1792.9	1796.1
12.5°	1802.5	1805.7	1799.3	1786.6	1783.4	1779.1	1779.1	1782.3	1790.8	1795.1
15°	1808.9	1812.0	1802.5	1788.7	1785.5	1782.3	1781.3	1785.5	1795.1	1802.5
17.5°	1820.5	1823.7	1808.9	1789.7	1785.5	1786.6	1785.5	1788.7	1803.5	1817.3
20°	1831.1	1833.3	1813.1	1789.7	1785.5	1786.6	1785.5	1791.9	1811.0	1830.1
22.5°	1834.3	1836.5	1817.3	1797.2	1794.0	1795.1	1794.0	1800.4	1818.4	1837.5
25°	1835.4	1838.6	1823.7	1807.8	1813.1	1815.2	1813.1	1814.2	1828.0	1844.9
27.5°	1851.3	1855.6	1841.8	1828.0	1831.1	1830.1	1833.3	1836.5	1847.1	1864.1
30°	1884.2	1887.4	1875.7	1861.9	1859.8	1852.4	1861.9	1872.5	1884.2	1899.1
32.5°	1938.4	1944.7	1929.9	1915.0	1905.5	1901.2	1908.6	1926.7	1942.6	1958.5
35°	2028.6	2032.8	2019.0	1991.4	1974.4	1974.4	1980.8	2004.2	2029.6	2049.8
37.5°	2156.0	2161.3	2136.9	2104.0	2078.5	2078.5	2087.0	2111.4	2149.6	2178.3
40°	2311.0	2318.4	2287.6	2253.6	2229.2	2225.0	2235.6	2263.2	2299.3	2335.4
42.5°	2497.8	2506.3	2465.9	2436.2	2417.1	2417.1	2422.4	2447.9	2480.8	2525.4
45°	2736.6	2751.5	2696.3	2666.6	2648.5	2652.8	2656.0	2678.2	2708.0	2758.9
47.5°	3021.1	3036.0	2977.6	2946.8	2943.6	2963.8	2951.1	2967.0	2982.9	3041.3
50°	3343.8	3369.3	3329.0	3326.8	3333.2	3370.4	3340.6	3349.1	3331.1	3368.2
52.5°	3738.7	3775.9	3768.4	3781.2	3852.3	3928.7	3860.8	3831.1	3763.1	3774.8
55°	4217.5	4273.7	4284.3	4360.8	4522.1	4678.2	4533.8	4413.9	4269.5	4242.9
57.5°	4762.0	4806.6	4857.6	5013.6	5315.1	5592.2	5315.1	5049.7	4822.5	4768.4
60°	5348.0	5403.2	5452.0	5682.4	6130.3	6519.9	6121.9	5700.4	5400.0	5326.8
62.5°	5977.5	6048.6	6082.6	6338.4	6860.7	7325.6	6868.1	6357.5	6024.2	5945.6
65°	6581.5	6639.9	6678.1	6950.9	7449.8	7915.8	7483.8	6980.6	6637.8	6534.8
67.5°	6862.8	6894.7	6988.1	7297.0	7823.5	8355.3	7912.7	7329.9	6946.7	6766.2
70°	6450.9	6386.2	6611.2	7105.9	7868.1	8624.9	7970.0	7091.0	6621.8	6328.9
72.5°	4985.0	4873.5	5264.1	6110.2	7358.5	8453.0	7409.5	6157.9	5507.2	4912.8
75°	2712.2	2585.9	3125.2	4195.2	5868.1	7326.7	6003.0	4315.1	3479.7	2692.0
77.5°	765.4	717.6	1152.8	2029.6	3529.6	5144.2	3665.5	2074.2	1367.3	811.0
80°	234.6	227.2	307.8	611.4	1498.9	2463.8	1440.5	618.9	391.7	247.3
82.5°	139.1	127.4	152.9	222.9	382.2	773.9	371.5	232.5	186.8	125.3
85°	79.6	74.3	90.2	108.3	128.4	164.5	107.2	110.4	99.8	66.9
87.5°	32.9	29.7	35.0	34.0	29.7	38.2	28.7	34.0	40.3	26.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1863.0
1856.6
1833.3
1807.8
1796.1
1796.1
1803.5
1817.3
1831.1
1837.5
1843.9
1859.8
1895.9
1952.2
2042.4
2167.6
2323.7
2522.2
2756.8
3024.3
3345.9
3735.5
4201.5
4730.2
5263.1
5881.9
6483.8
6768.3
6398.9
5060.3
2867.2
901.2
261.1
135.9
70.1
24.4
0.0

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