

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: P939883

Luminaire Tested: **GALN-SB2C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10736 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

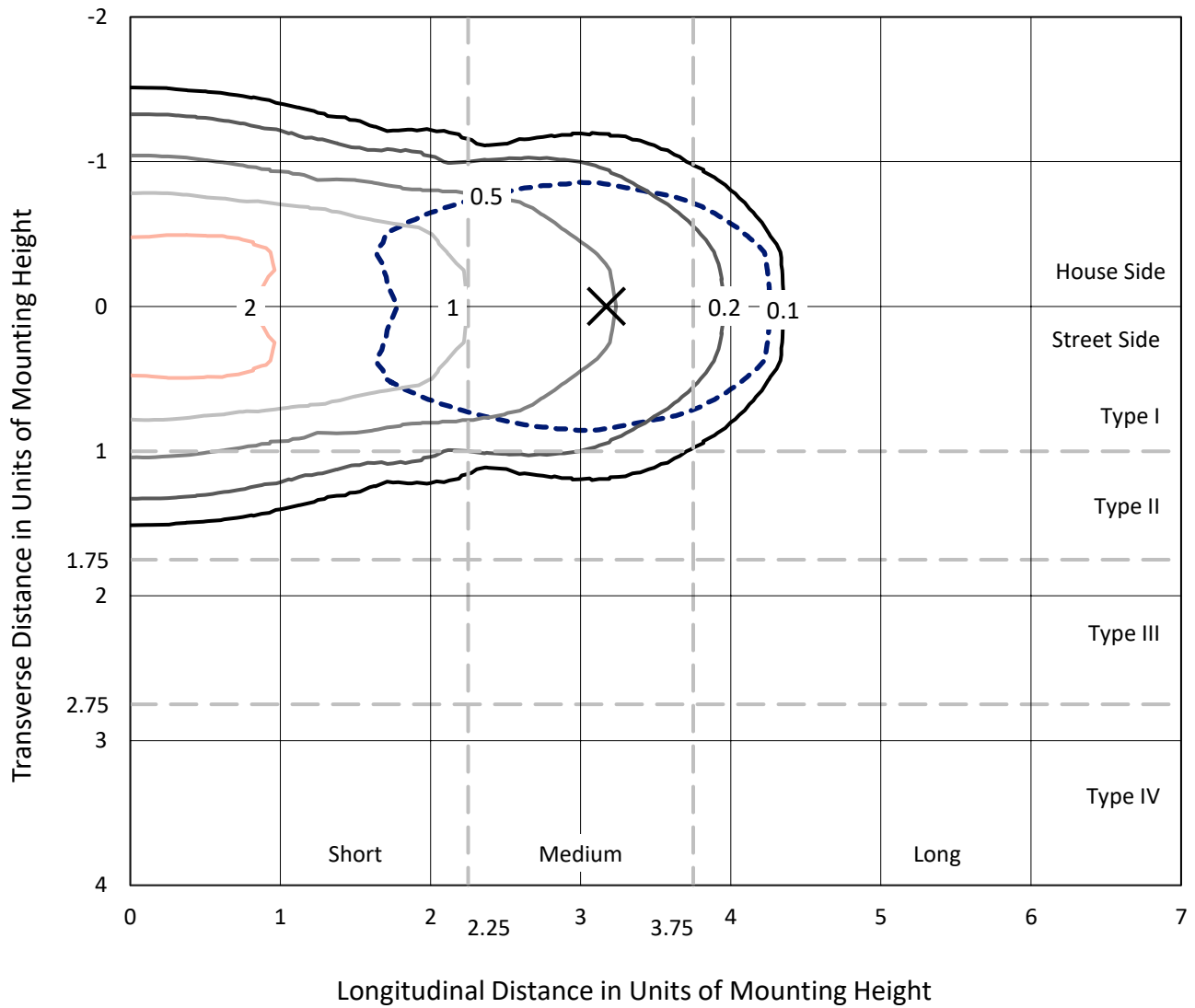
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

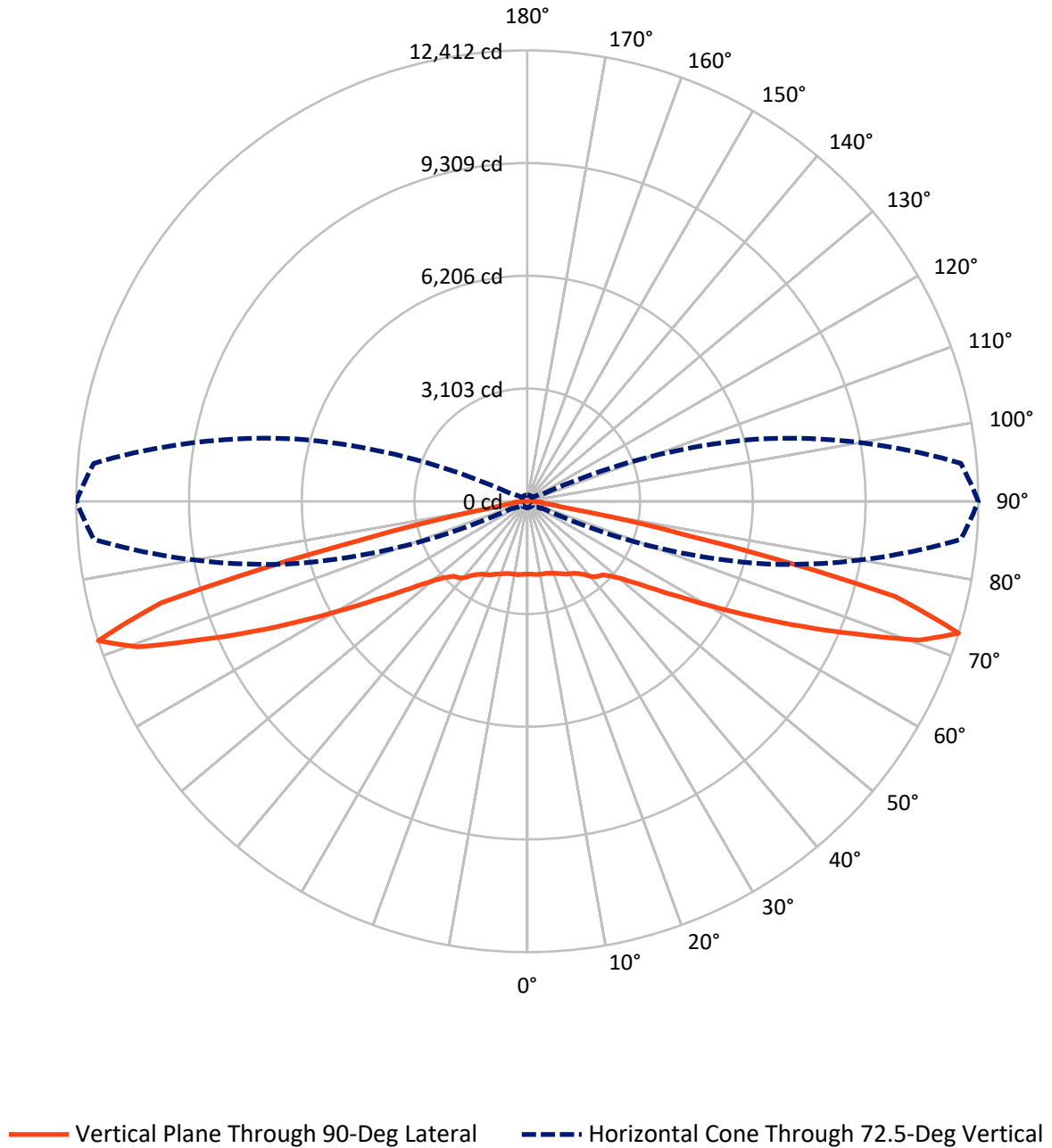
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5368.0	0.0	5368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5368.0	0.0	5368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10736.0	0.0	10736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	1.8
10°-20°	594.8	5.5
20°-30°	991.7	9.2
30°-40°	1363.9	12.7
40°-50°	1665.7	15.5
50°-60°	1926.6	17.9
60°-70°	2297.1	21.4
70°-80°	1603.2	14.9
80°-90°	98.5	0.9
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°	10736.0	100.0
0°-180°	10736.0	100.0

Coefficient of Utilization



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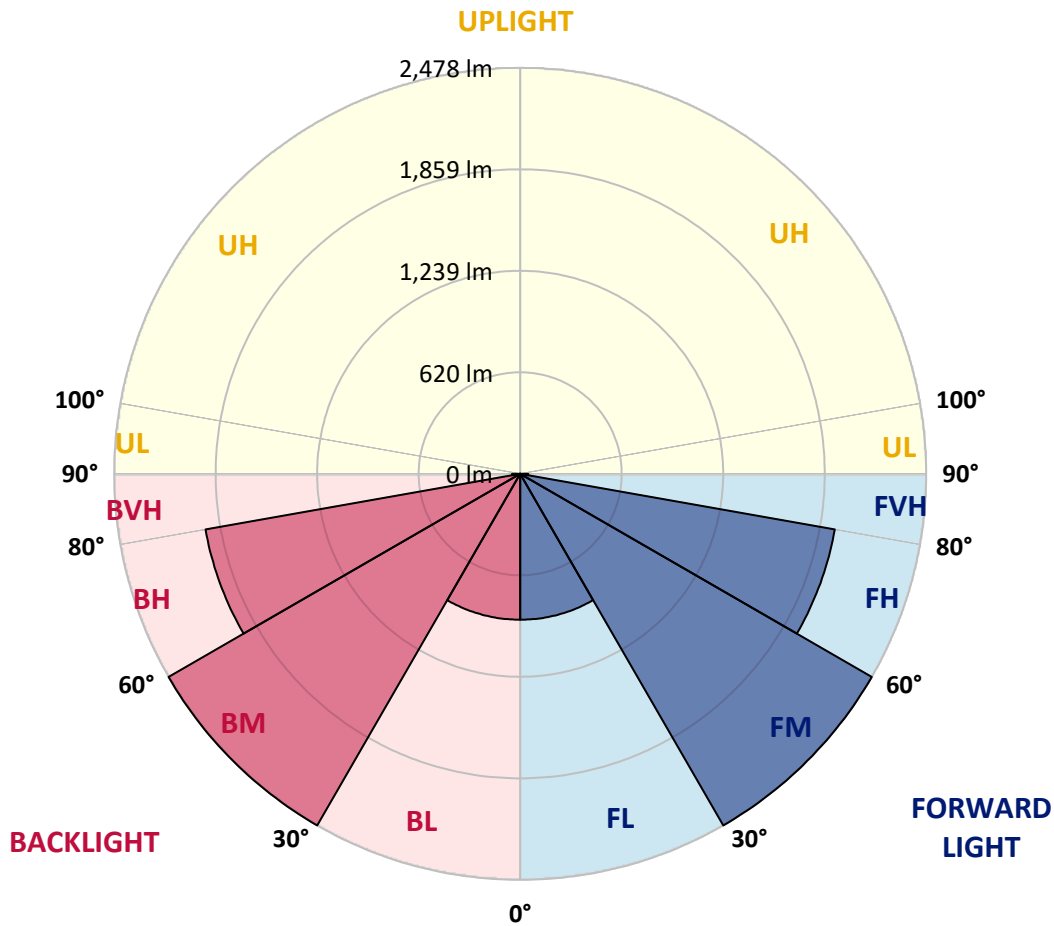
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.5	8.3			
FM (30°-60°)	2478.1	23.1			
FH (60°-80°)	1950.2	18.2			G2/5000
FVH (80°-90°)	49.2	0.5			G1/100
BL (0°-30°)	890.5	8.3	B2/1000		
BM (30°-60°)	2478.1	23.1	B2/2500		
BH (60°-80°)	1950.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	49.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1
2.5°	2007.8	2010.1	2010.1	2008.4	2012.4	2009.0	2009.0	2007.3	2009.0	2007.3
5°	2018.1	2021.0	2022.1	2021.5	2026.7	2023.8	2023.8	2021.5	2022.1	2020.4
7.5°	2037.5	2041.5	2043.8	2046.6	2054.1	2050.6	2048.4	2041.5	2038.7	2034.1
10°	2043.8	2048.4	2055.8	2070.6	2087.7	2088.3	2081.5	2064.3	2051.2	2040.9
12.5°	2024.4	2030.7	2046.1	2076.3	2114.5	2129.9	2119.1	2090.6	2064.9	2046.6
15°	1999.9	2006.7	2030.1	2075.7	2132.2	2168.2	2167.0	2129.4	2088.3	2059.8
17.5°	1961.6	1968.5	2002.1	2066.0	2145.9	2205.3	2221.2	2182.4	2124.8	2086.6
20°	1892.6	1898.9	1945.7	2035.2	2150.5	2244.6	2286.3	2252.1	2180.2	2128.2
22.5°	1803.0	1812.7	1867.5	1982.2	2139.6	2285.7	2360.5	2337.1	2244.6	2172.7
25°	1707.2	1717.4	1781.3	1917.1	2111.7	2315.4	2448.3	2433.5	2317.7	2228.1
27.5°	1624.4	1635.3	1704.9	1852.7	2068.3	2326.8	2535.1	2542.5	2406.1	2289.1
30°	1559.4	1569.6	1643.8	1800.7	2012.4	2315.4	2610.9	2662.3	2496.3	2342.2
32.5°	1488.1	1501.2	1579.3	1737.4	1946.2	2288.0	2677.1	2791.8	2600.7	2399.3
35°	1397.9	1409.9	1492.0	1650.7	1859.5	2244.1	2732.5	2935.6	2750.2	2486.0
37.5°	1288.4	1299.8	1381.4	1542.3	1773.3	2182.4	2774.7	3097.6	2928.2	2610.9
40°	1178.2	1189.1	1265.5	1421.3	1670.1	2103.7	2789.5	3256.3	3132.4	2782.7
42.5°	1077.2	1086.9	1157.1	1302.0	1554.2	2003.3	2770.1	3394.3	3315.6	2902.5
45°	984.2	992.8	1055.0	1190.2	1433.9	1881.2	2711.9	3542.7	3533.6	2988.1
47.5°	878.1	886.7	951.1	1081.8	1313.5	1738.0	2613.2	3688.8	3836.5	3182.1
50°	748.6	756.0	822.2	956.9	1188.5	1585.6	2476.3	3803.4	4218.8	3475.9
52.5°	595.1	603.1	667.6	802.2	1040.2	1421.9	2296.0	3878.2	4660.4	3905.0
55°	442.8	448.5	504.4	625.3	856.4	1235.3	2070.0	3899.3	5161.4	4491.6
57.5°	321.2	324.7	360.6	450.8	649.3	1001.9	1795.6	3844.5	5757.7	5243.6
60°	260.2	261.3	272.2	312.1	451.3	738.3	1464.1	3656.2	6404.7	6213.0
62.5°	236.2	236.2	239.1	249.9	305.3	487.3	1063.0	3266.0	7098.5	7438.0
65°	219.7	219.7	220.8	225.9	240.8	310.4	671.0	2630.3	7683.3	8873.0
67.5°	204.8	205.4	204.8	206.5	215.1	229.4	389.1	1816.7	7998.3	10359.9
70°	189.4	190.6	187.7	187.7	194.6	195.1	243.6	996.2	7737.0	11606.0
72.5°	171.2	172.9	168.3	167.2	172.3	170.0	183.2	478.1	6642.6	11978.0
75°	155.2	157.5	147.2	144.4	144.4	142.6	148.9	245.3	4311.3	9771.1
77.5°	140.9	145.5	128.9	119.8	117.5	112.4	121.5	150.1	1885.7	4587.4
80°	116.4	122.7	106.1	95.3	91.3	85.6	95.9	105.0	560.9	1065.3
82.5°	86.7	89.6	75.3	67.9	64.5	60.5	71.9	73.0	182.6	377.1
85°	55.3	56.5	46.2	39.9	38.2	36.5	45.6	39.9	69.6	277.3
87.5°	19.4	22.3	17.7	16.0	17.1	14.3	21.1	12.0	19.4	195.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2006.1
2007.3
2020.4
2034.1
2039.2
2043.8
2055.2
2080.3
2118.5
2159.6
2209.8
2269.7
2314.2
2363.9
2446.6
2558.4
2726.8
2830.6
2891.1
3070.3
3335.6
3732.1
4275.3
4971.4
5870.1
6978.7
8292.1
9732.8
11441.1
12411.7
10451.2
4492.1
1020.2
426.2
402.8
242.5
0.0

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