

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: P948740

Luminaire Tested: **GALN-SB3C-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16096 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

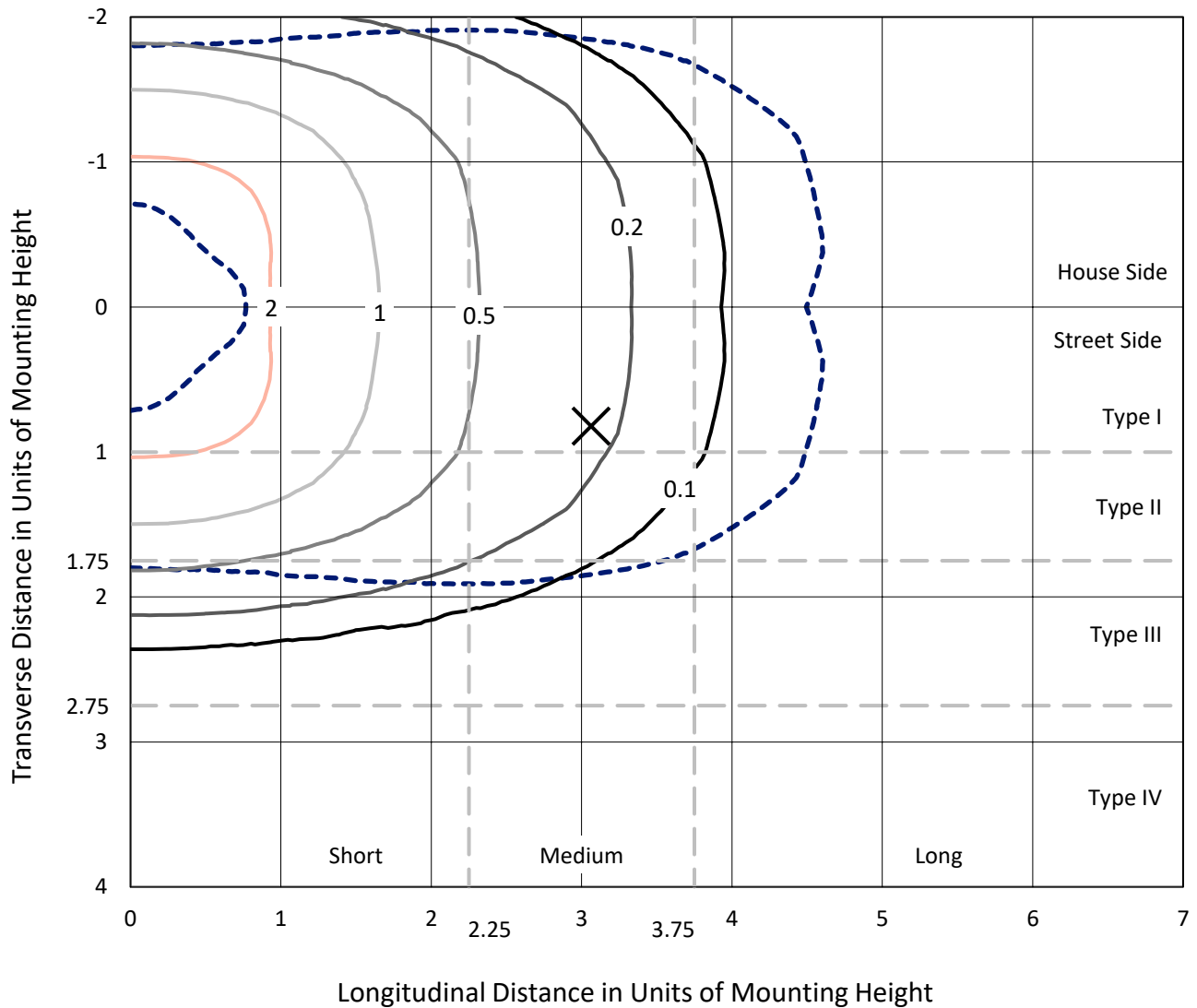
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

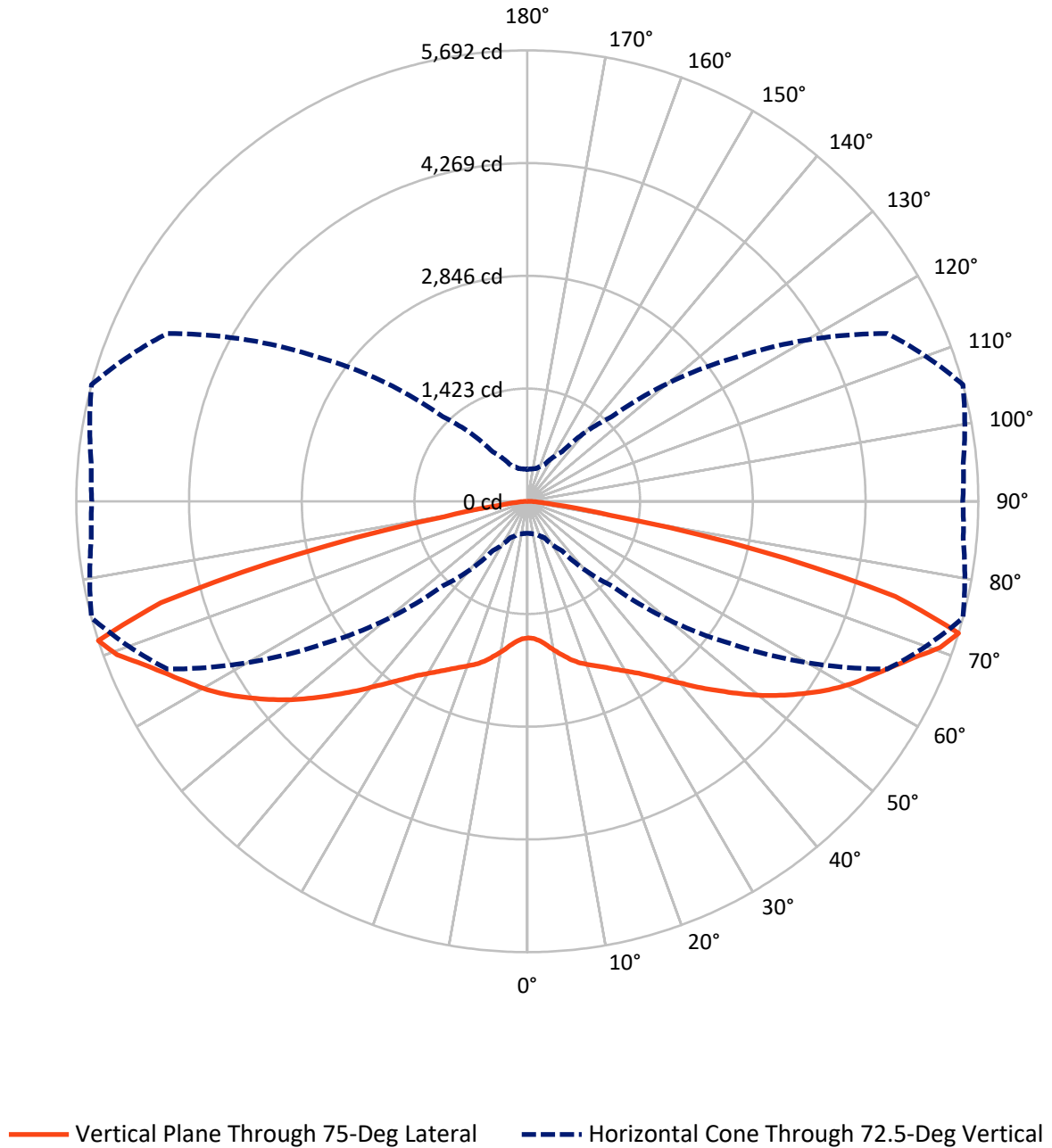
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8048.0	0.0	8048.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8048.0	0.0	8048.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16096.0	0.0	16096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	1.0
10°-20°	557.1	3.5
20°-30°	1076.4	6.7
30°-40°	1817.6	11.3
40°-50°	2882.5	17.9
50°-60°	3859.3	24.0
60°-70°	3672.8	22.8
70°-80°	1916.5	11.9
80°-90°	145.1	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°	16096.0	100.0
0°-180°	16096.0	100.0

Coefficient of Utilization



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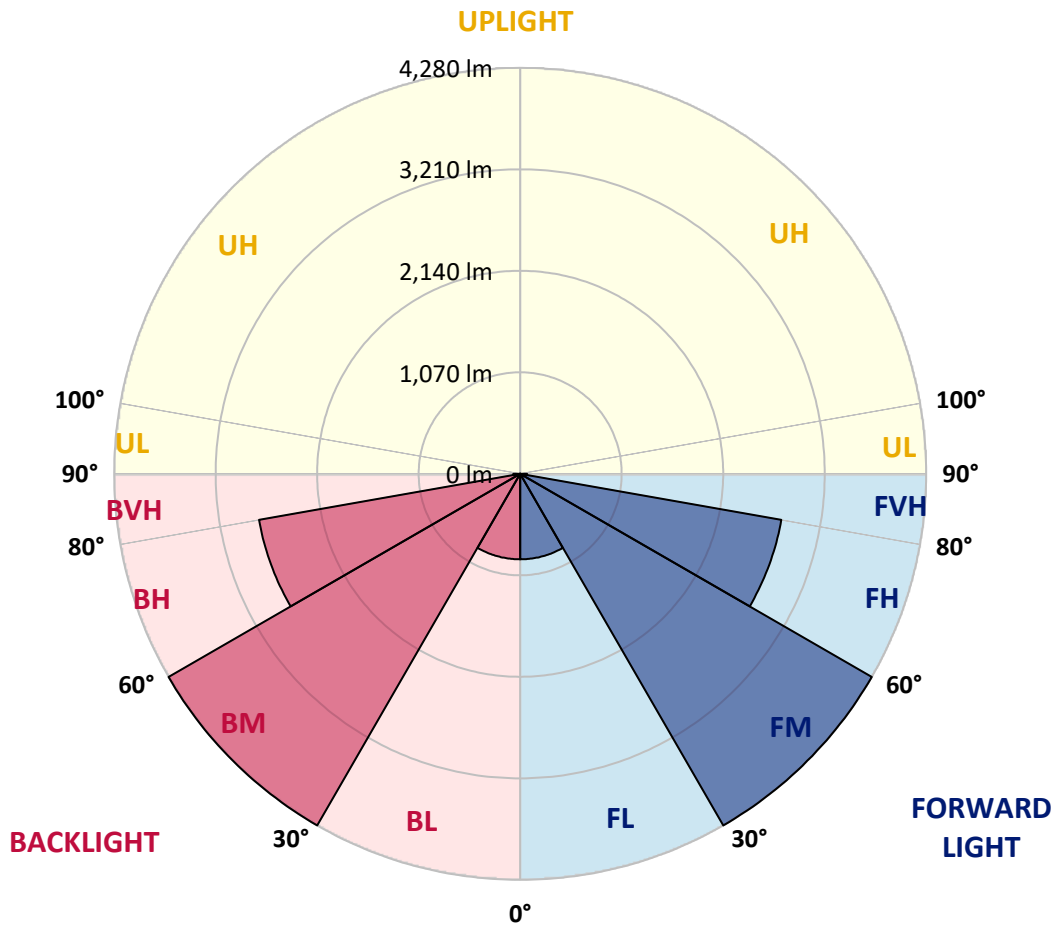
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.2	5.6			
FM (30°-60°)	4279.6	26.6			
FH (60°-80°)	2794.6	17.4			G2/5000
FVH (80°-90°)	72.5	0.5			G1/100
BL (0°-30°)	901.2	5.6	B2/1000		
BM (30°-60°)	4279.6	26.6	B3/5000		
BH (60°-80°)	2794.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	72.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2	1724.2
2.5°	1724.2	1722.5	1724.2	1725.8	1725.0	1725.0	1729.1	1731.6	1736.5	1735.7
5°	1712.7	1711.8	1718.4	1725.8	1731.6	1741.4	1753.8	1762.8	1774.3	1776.8
7.5°	1706.9	1704.4	1716.0	1729.1	1747.2	1771.8	1795.7	1820.3	1840.0	1846.6
10°	1711.0	1711.8	1727.5	1752.1	1780.9	1815.4	1849.1	1891.0	1918.9	1925.5
12.5°	1729.9	1728.3	1754.6	1794.0	1833.5	1877.0	1916.5	1962.5	1992.9	2008.5
15°	1764.4	1761.2	1798.1	1856.5	1914.0	1965.0	1997.0	2040.6	2075.9	2095.6
17.5°	1805.5	1807.2	1855.7	1931.3	2006.9	2064.4	2094.8	2117.0	2144.1	2161.4
20°	1877.8	1881.1	1935.4	2025.0	2111.2	2177.0	2201.6	2193.4	2200.8	2214.0
22.5°	1974.8	1976.5	2037.3	2134.3	2224.7	2297.0	2313.4	2279.7	2259.2	2268.2
25°	2087.4	2098.1	2158.9	2258.4	2351.2	2420.2	2427.6	2376.7	2325.7	2328.2
27.5°	2224.7	2234.5	2296.2	2394.8	2489.3	2549.3	2548.5	2480.2	2405.5	2386.6
30°	2373.4	2384.1	2447.4	2549.3	2637.2	2689.8	2678.3	2596.9	2490.1	2454.8
32.5°	2550.1	2556.7	2620.8	2722.7	2804.0	2845.9	2822.1	2721.9	2588.7	2548.5
35°	2763.8	2773.6	2821.3	2917.4	2988.9	3023.5	2983.2	2864.9	2715.3	2670.1
37.5°	3007.8	3001.3	3055.5	3141.0	3200.2	3221.5	3166.5	3025.9	2859.9	2806.5
40°	3262.6	3259.3	3318.5	3400.7	3432.7	3445.9	3364.5	3210.8	3026.7	2969.2
42.5°	3493.5	3491.1	3570.8	3662.0	3700.6	3685.8	3583.1	3407.2	3219.9	3154.1
45°	3678.4	3675.2	3773.0	3901.2	3976.8	3952.1	3814.0	3624.2	3415.5	3347.3
47.5°	3820.6	3822.3	3927.5	4086.1	4218.4	4227.4	4049.9	3845.3	3630.8	3553.5
50°	3923.3	3928.3	4040.9	4216.7	4397.5	4477.3	4290.7	4072.1	3853.5	3766.4
52.5°	3948.8	3957.9	4093.5	4299.7	4512.6	4664.6	4535.6	4289.9	4064.7	3981.7
55°	3813.2	3831.3	4003.1	4293.2	4583.3	4787.9	4750.9	4510.9	4277.6	4192.1
57.5°	3501.8	3527.2	3727.8	4106.6	4567.7	4872.5	4917.7	4723.0	4490.4	4408.2
60°	3065.4	3095.8	3288.1	3701.5	4347.4	4903.8	5035.3	4929.3	4686.0	4606.3
62.5°	2407.1	2446.5	2676.7	3161.5	3882.3	4758.3	5135.5	5115.8	4861.9	4762.4
65°	1544.2	1586.1	1828.5	2401.3	3261.8	4312.9	5166.8	5297.4	5047.6	4908.7
67.5°	931.1	950.0	1070.0	1455.4	2384.1	3641.5	4902.1	5498.8	5264.6	5092.0
70°	595.8	606.5	678.0	854.7	1347.8	2656.9	4246.3	5536.6	5527.5	5280.2
72.5°	404.3	407.6	426.5	506.2	762.6	1509.7	3131.9	5012.3	5691.9	5522.6
75°	295.9	313.9	344.3	358.3	433.1	754.4	1794.8	3521.5	4796.9	4870.9
77.5°	220.2	221.1	263.0	279.4	309.0	401.9	759.4	1965.8	2978.3	3127.0
80°	186.6	176.7	175.9	225.2	232.6	250.7	339.4	678.8	1066.7	646.8
82.5°	155.3	144.6	130.7	175.9	158.6	153.7	147.1	276.1	339.4	166.8
85°	108.5	103.5	98.6	115.1	90.4	77.3	70.7	129.0	143.0	70.7
87.5°	46.8	48.5	49.3	51.0	37.8	27.1	27.1	36.2	36.2	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1724.2
1734.9
1776.8
1848.3
1932.1
2015.1
2103.0
2169.6
2223.8
2274.8
2332.3
2392.3
2458.9
2558.3
2676.7
2816.4
2988.1
3170.6
3362.9
3576.5
3792.7
4003.1
4215.9
4427.1
4623.5
4773.9
4926.0
5105.1
5278.5
5496.3
4691.7
2789.2
489.0
142.2
62.5
20.5
0.0

OF REPORT)