

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: P947060

Luminaire Tested: **GALN-SB2C-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947060
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-SB2C-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16317 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

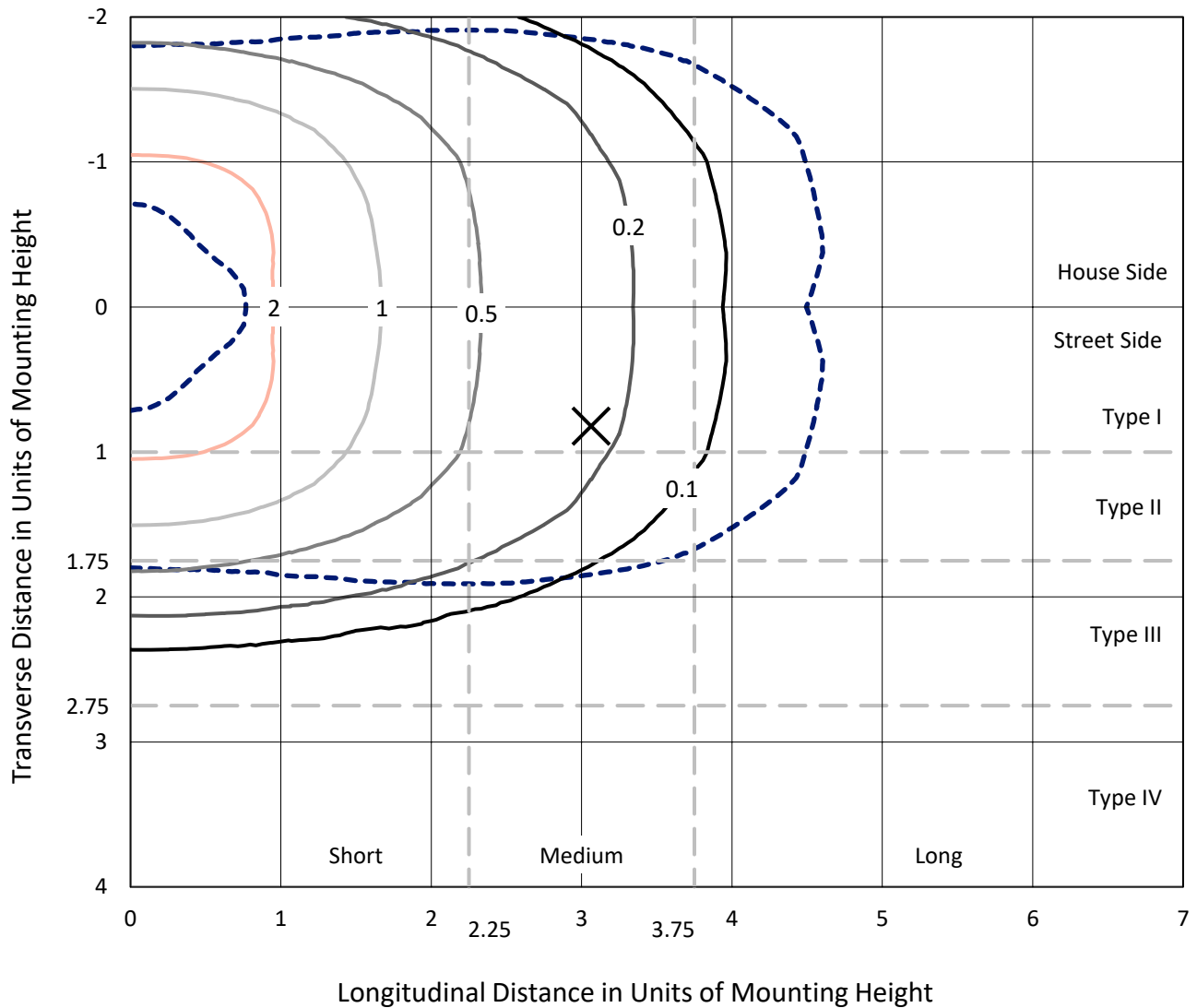
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

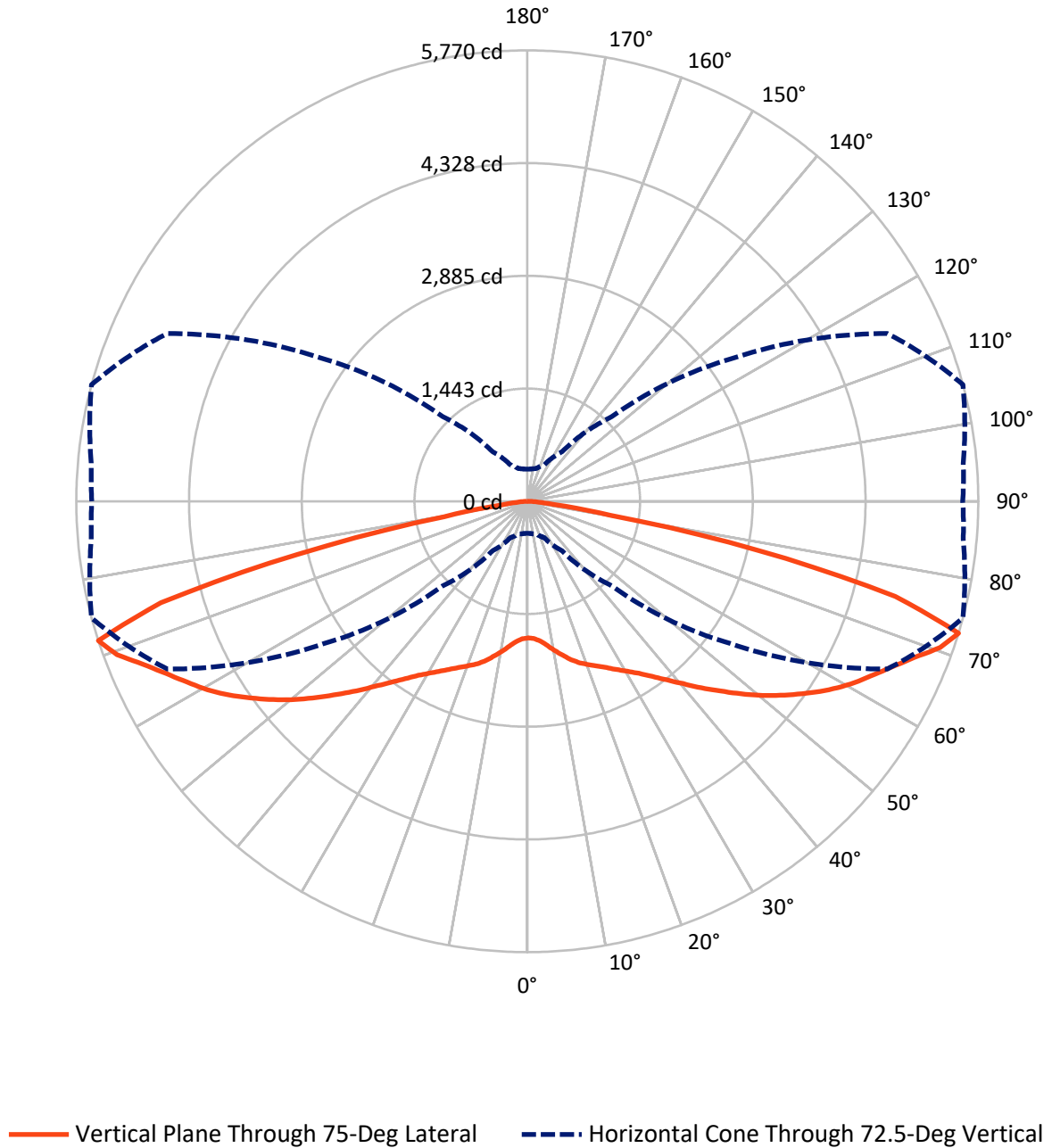
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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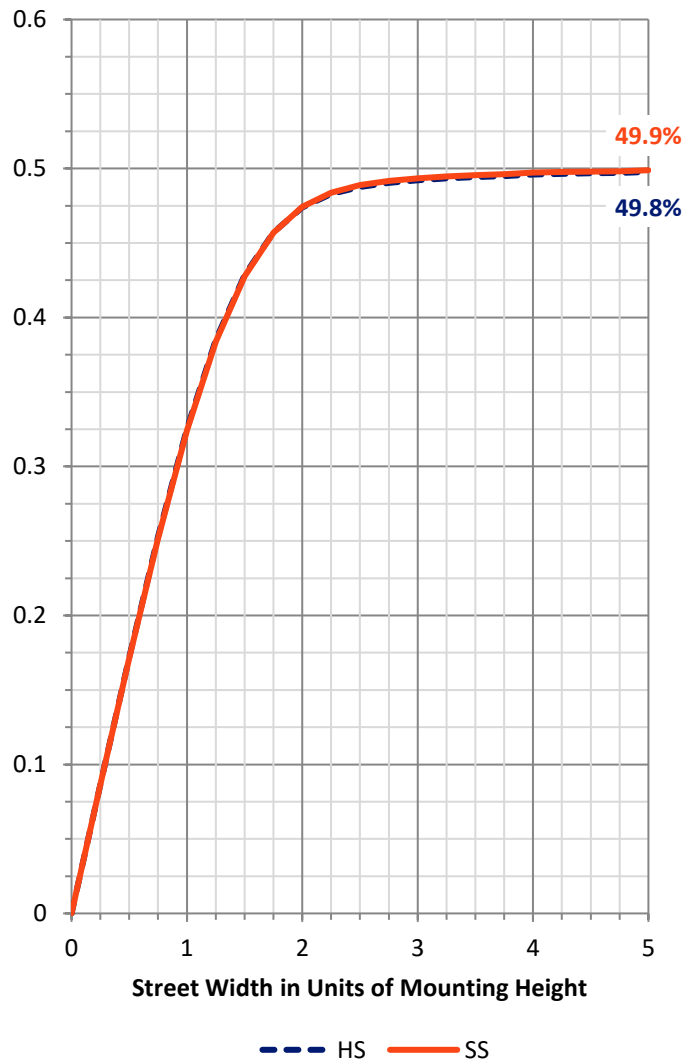
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8158.5	0.0	8158.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8158.5	0.0	8158.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16317.0	0.0	16317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	1.0
10°-20°	564.7	3.5
20°-30°	1091.2	6.7
30°-40°	1842.5	11.3
40°-50°	2922.0	17.9
50°-60°	3912.2	24.0
60°-70°	3723.2	22.8
70°-80°	1942.8	11.9
80°-90°	147.1	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°	16317.0	100.0
0°-180°	16317.0	100.0

Coefficient of Utilization



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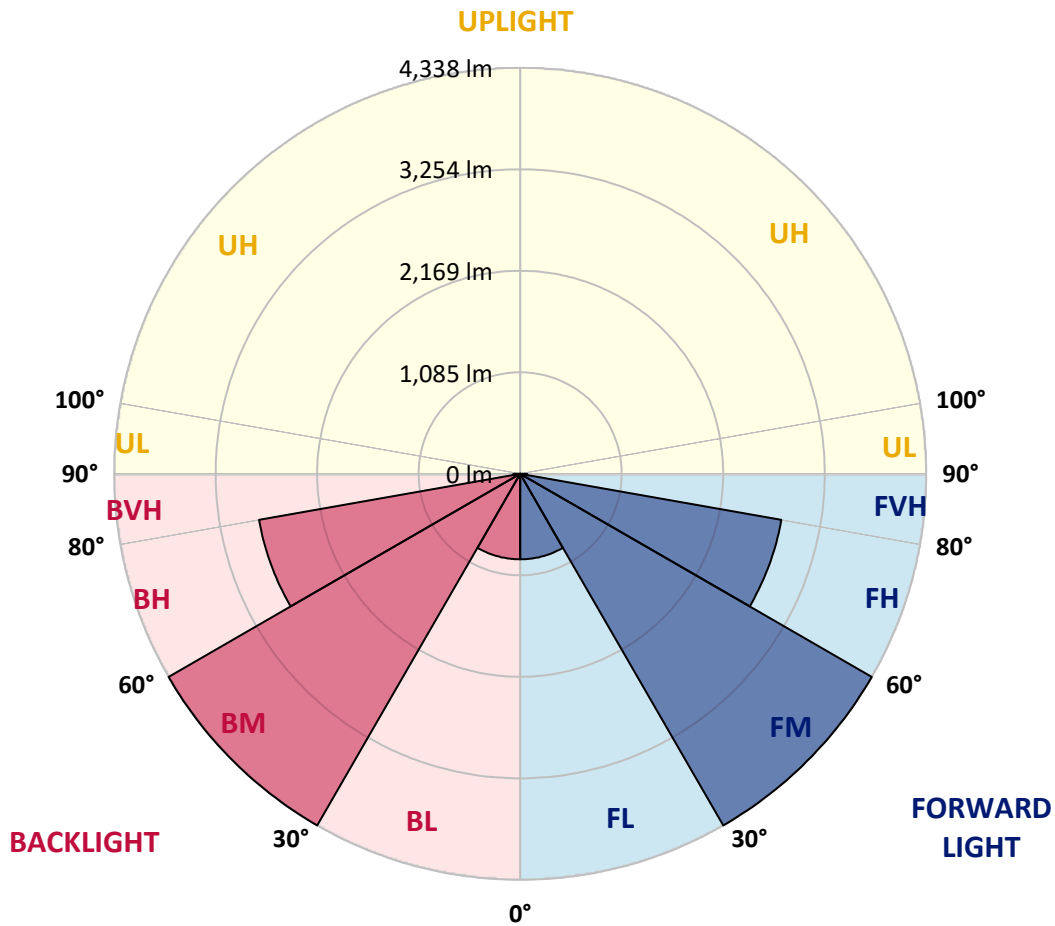
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	913.6	5.6			
FM (30°-60°)	4338.4	26.6			
FH (60°-80°)	2833.0	17.4			G2/5000
FVH (80°-90°)	73.5	0.5			G1/100
BL (0°-30°)	913.6	5.6	B2/1000		
BM (30°-60°)	4338.4	26.6	B3/5000		
BH (60°-80°)	2833.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	73.5	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°	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8	1747.8
2.5°	1747.8	1746.2	1747.8	1749.5	1748.7	1748.7	1752.8	1755.3	1760.3	1759.5
5°	1736.2	1735.3	1742.0	1749.5	1755.3	1765.3	1777.8	1787.0	1798.7	1801.2
7.5°	1730.3	1727.8	1739.5	1752.8	1771.2	1796.2	1820.3	1845.3	1865.3	1872.0
10°	1734.5	1735.3	1751.2	1776.2	1805.3	1840.3	1874.5	1917.0	1945.3	1952.0
12.5°	1753.7	1752.0	1778.7	1818.7	1858.6	1902.8	1942.8	1989.4	2020.3	2036.1
15°	1788.7	1785.3	1822.8	1882.0	1940.3	1991.9	2024.4	2068.6	2104.4	2124.4
17.5°	1830.3	1832.0	1881.1	1957.8	2034.4	2092.7	2123.6	2146.1	2173.6	2191.1
20°	1903.6	1907.0	1961.9	2052.8	2140.2	2206.9	2231.9	2223.5	2231.0	2244.4
22.5°	2001.9	2003.6	2065.3	2163.6	2255.2	2328.5	2345.2	2311.0	2290.2	2299.4
25°	2116.1	2126.9	2188.6	2289.4	2383.5	2453.5	2461.0	2409.3	2357.7	2360.2
27.5°	2255.2	2265.2	2327.7	2427.7	2523.5	2584.3	2583.4	2514.3	2438.5	2419.3
30°	2406.0	2416.8	2481.0	2584.3	2673.4	2726.7	2715.1	2632.6	2524.3	2488.5
32.5°	2585.1	2591.8	2656.8	2760.1	2842.5	2885.0	2860.9	2759.2	2624.3	2583.4
35°	2801.7	2811.7	2860.0	2957.5	3030.0	3065.0	3024.2	2904.2	2752.6	2706.7
37.5°	3049.1	3042.5	3097.5	3184.1	3244.1	3265.8	3209.9	3067.5	2899.2	2845.0
40°	3307.4	3304.1	3364.1	3447.4	3479.9	3493.2	3410.7	3254.9	3068.3	3010.0
42.5°	3541.5	3539.0	3619.8	3712.3	3751.4	3736.5	3632.3	3454.0	3264.1	3197.4
45°	3729.0	3725.6	3824.8	3954.7	4031.4	4006.4	3866.4	3674.0	3462.4	3393.2
47.5°	3873.1	3874.7	3981.4	4142.2	4276.3	4285.5	4105.5	3898.1	3680.6	3602.3
50°	3977.2	3982.2	4096.4	4274.6	4457.9	4538.7	4349.6	4128.0	3906.4	3818.1
52.5°	4003.0	4012.2	4149.7	4358.8	4574.5	4728.7	4597.9	4348.8	4120.5	4036.4
55°	3865.6	3883.9	4058.0	4352.1	4646.2	4853.6	4816.1	4572.9	4336.3	4249.6
57.5°	3549.8	3575.7	3778.9	4163.0	4630.4	4939.4	4985.3	4787.8	4552.1	4468.7
60°	3107.5	3138.3	3333.2	3752.3	4407.1	4971.1	5104.4	4996.9	4750.3	4669.5
62.5°	2440.1	2480.1	2713.4	3204.9	3935.6	4823.6	5206.0	5186.0	4928.6	4827.8
65°	1565.4	1607.9	1853.6	2434.3	3306.6	4372.1	5237.7	5370.2	5116.9	4976.1
67.5°	943.9	963.1	1084.7	1475.4	2416.8	3691.5	4969.4	5574.3	5336.8	5161.9
70°	604.0	614.8	687.3	866.4	1366.3	2693.4	4304.6	5612.6	5603.4	5352.7
72.5°	409.9	413.2	432.4	513.2	773.1	1530.4	3174.9	5081.1	5770.0	5598.4
75°	299.9	318.2	349.1	363.2	439.0	764.8	1819.5	3569.8	4862.8	4937.8
77.5°	223.3	224.1	266.6	283.3	313.2	407.4	769.8	1992.8	3019.2	3169.9
80°	189.1	179.1	178.3	228.3	235.8	254.1	344.1	688.1	1081.4	655.6
82.5°	157.5	146.6	132.5	178.3	160.8	155.8	149.1	279.9	344.1	169.1
85°	110.0	105.0	100.0	116.6	91.6	78.3	71.6	130.8	145.0	71.6
87.5°	47.5	49.2	50.0	51.7	38.3	27.5	27.5	36.7	36.7	28.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1747.8
1758.7
1801.2
1873.6
1958.6
2042.8
2131.9
2199.4
2254.4
2306.0
2364.3
2425.2
2492.6
2593.4
2713.4
2855.0
3029.1
3214.1
3409.0
3625.6
3844.8
4058.0
4273.8
4487.9
4687.0
4839.5
4993.6
5175.2
5351.0
5571.8
4756.2
2827.5
495.7
144.1
63.3
20.8
0.0

OF REPORT)