

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: P946994

Luminaire Tested: **GALN-SB2C-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14557 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

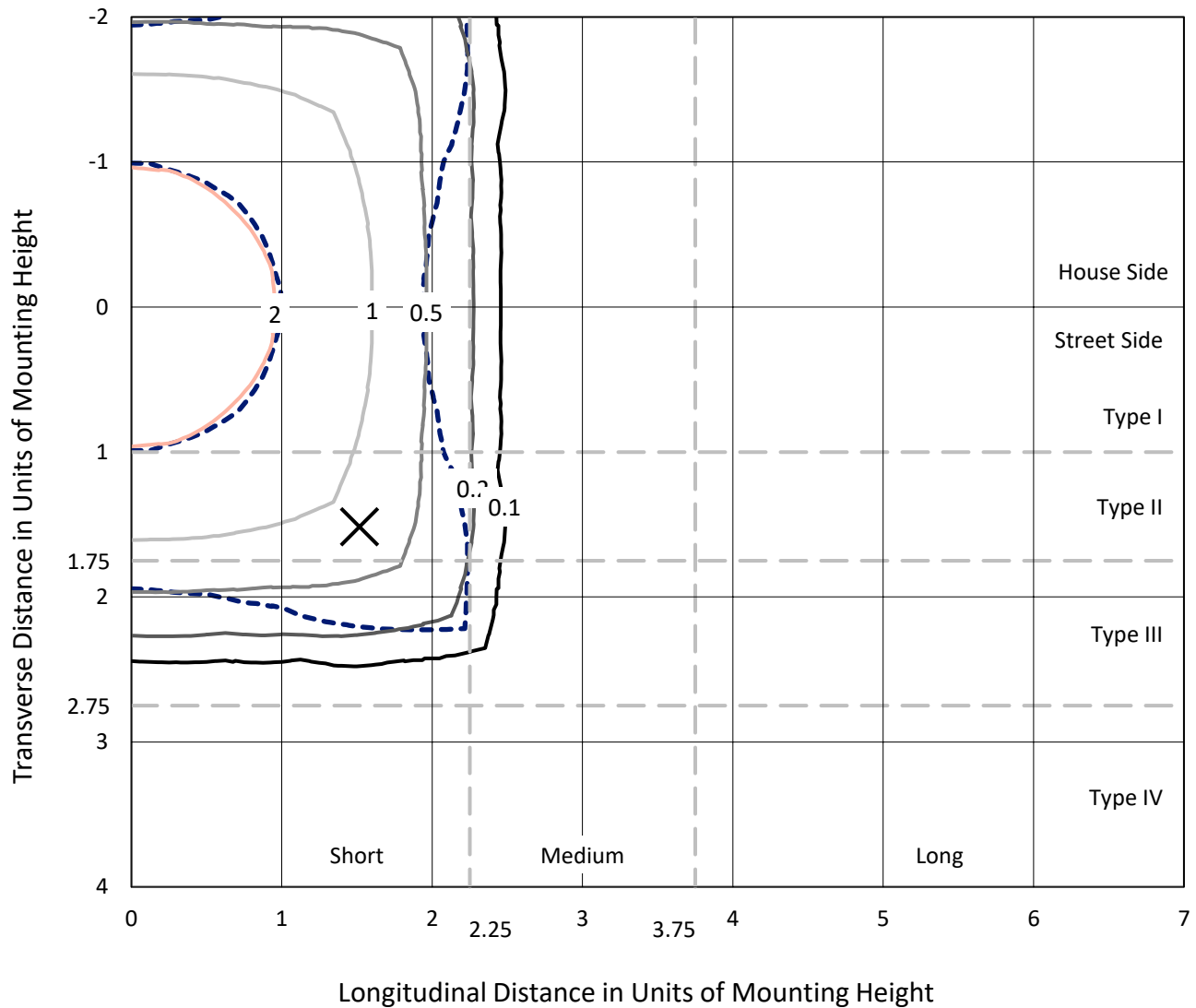


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

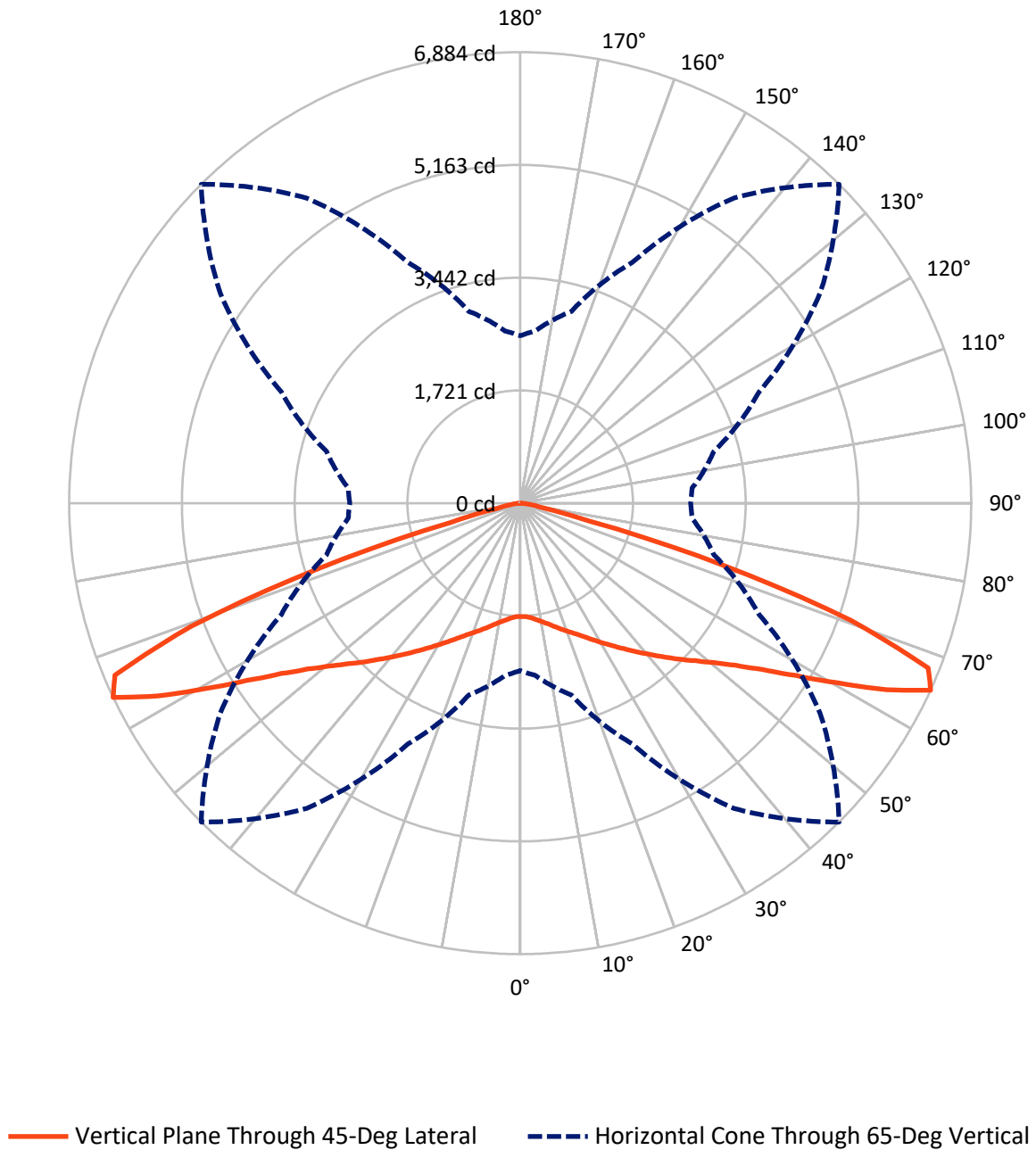


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7278.5	0.0	7278.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7278.5	0.0	7278.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14557.0	0.0	14557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	1.2
10°-20°	557.9	3.8
20°-30°	1053.4	7.2
30°-40°	1724.9	11.8
40°-50°	2674.4	18.4
50°-60°	3950.7	27.1
60°-70°	3760.7	25.8
70°-80°	606.8	4.2
80°-90°	57.2	0.4
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°	14557.0	100.0
0°-180°	14557.0	100.0

Coefficient of Utilization



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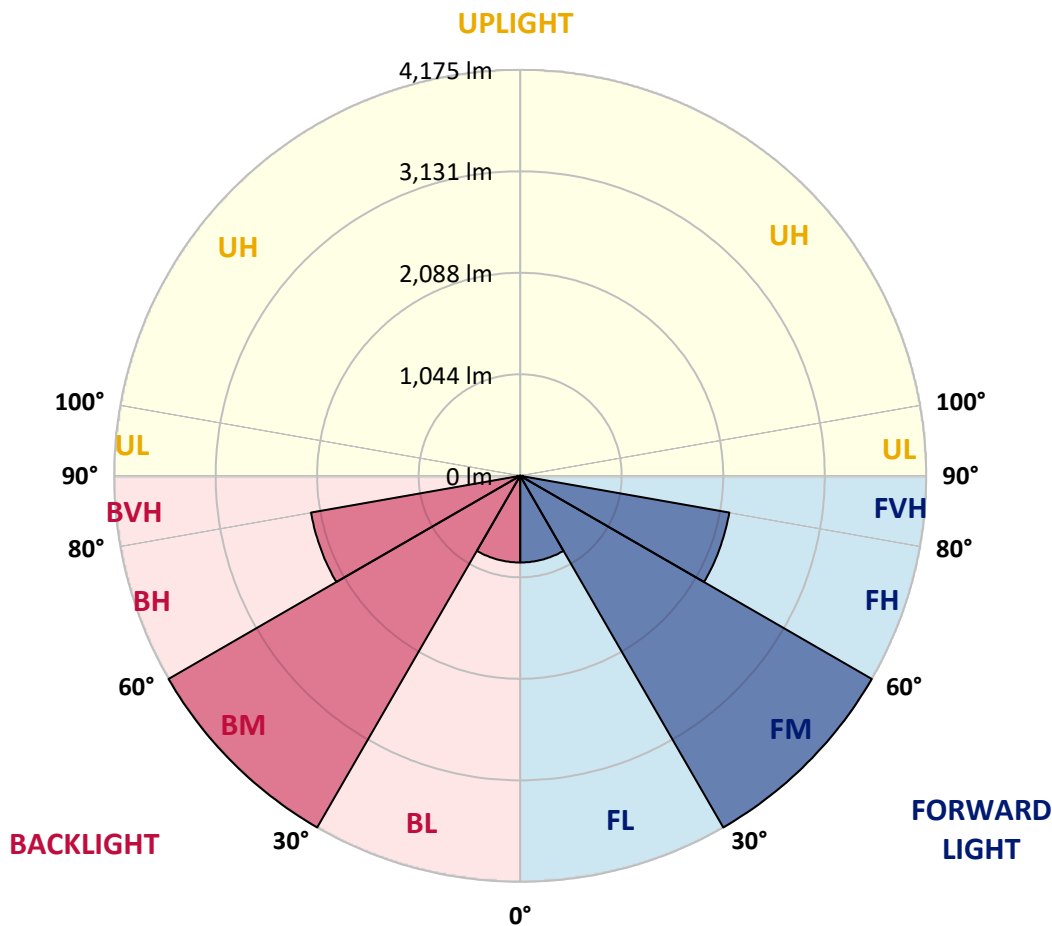
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	891.1	6.1			
FM	(30°-60°)	4175.0	28.7			
FH	(60°-80°)	2183.8	15.0			G2/5000
FVH	(80°-90°)	28.6	0.2			G1/100
BL	(0°-30°)	891.1	6.1	B2/1000		
BM	(30°-60°)	4175.0	28.7	B3/5000		
BH	(60°-80°)	2183.8	15.0	B3/2500		G2/5000
BVH	(80°-90°)	28.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4	1732.4
2.5°	1744.1	1738.3	1742.7	1739.0	1736.1	1733.2	1734.6	1739.7	1741.9	1742.7	1742.7
5°	1767.5	1762.4	1764.6	1764.6	1759.5	1758.0	1758.7	1762.4	1766.8	1766.8	1766.8
7.5°	1805.5	1800.4	1805.5	1802.5	1798.2	1796.7	1796.0	1798.9	1805.5	1805.5	1803.3
10°	1851.5	1845.6	1848.6	1847.1	1842.0	1839.8	1839.1	1843.4	1849.3	1848.6	1847.1
12.5°	1901.9	1895.3	1899.0	1894.6	1893.1	1890.9	1890.9	1890.2	1893.8	1890.9	1892.4
15°	1958.1	1953.7	1955.2	1952.3	1954.5	1953.0	1947.2	1944.2	1945.7	1941.3	1942.0
17.5°	2024.6	2014.3	2019.5	2018.0	2018.0	2020.9	2011.4	2007.8	2010.7	2006.3	2010.0
20°	2101.3	2091.0	2093.2	2090.3	2086.7	2089.6	2077.9	2080.8	2083.0	2080.1	2086.7
22.5°	2185.3	2172.1	2171.4	2172.8	2164.8	2165.5	2157.5	2164.8	2169.2	2161.2	2169.2
25°	2271.4	2257.6	2267.1	2263.4	2253.2	2255.4	2249.5	2256.8	2260.5	2250.3	2261.9
27.5°	2362.7	2353.2	2362.0	2364.2	2351.8	2360.5	2351.8	2358.4	2362.0	2346.7	2358.4
30°	2469.4	2459.9	2467.9	2473.8	2459.1	2473.0	2465.7	2470.1	2470.8	2452.6	2463.5
32.5°	2585.5	2570.9	2591.3	2594.3	2578.2	2595.0	2585.5	2591.3	2595.0	2570.2	2587.0
35°	2727.2	2708.9	2732.3	2728.6	2714.8	2728.6	2719.9	2728.6	2737.4	2707.5	2725.7
37.5°	2879.8	2860.8	2885.7	2879.1	2866.0	2875.5	2870.3	2876.2	2890.1	2857.9	2877.6
40°	3047.8	3024.4	3058.0	3046.4	3033.9	3032.5	3035.4	3039.1	3057.3	3021.5	3033.2
42.5°	3227.5	3202.7	3253.1	3234.8	3217.3	3205.6	3215.1	3222.4	3239.9	3199.7	3220.9
45°	3432.7	3404.2	3470.0	3448.1	3420.3	3396.2	3411.5	3422.5	3448.1	3399.9	3424.7
47.5°	3659.1	3627.0	3697.1	3690.5	3645.3	3592.7	3627.7	3659.1	3678.1	3619.7	3639.4
50°	3880.4	3855.6	3947.6	3955.7	3900.2	3826.4	3875.3	3922.8	3927.9	3851.2	3860.7
52.5°	4087.9	4063.0	4196.7	4247.1	4197.4	4109.8	4161.6	4209.8	4171.1	4071.8	4074.7
55°	4253.7	4233.2	4403.4	4533.4	4550.2	4477.9	4508.6	4507.1	4380.0	4227.4	4232.5
57.5°	4293.8	4290.9	4505.6	4781.0	4956.3	4965.0	4904.4	4749.6	4475.7	4270.5	4257.3
60°	4111.2	4129.5	4424.6	4910.3	5377.7	5572.0	5309.8	4867.9	4366.9	4082.0	4048.4
62.5°	3564.9	3613.1	3968.8	4752.5	5718.0	6270.2	5634.8	4688.2	3919.9	3548.1	3526.2
65°	2554.8	2638.8	3031.8	4055.7	5687.4	6883.7	5588.0	4022.9	3061.0	2632.2	2600.8
67.5°	1159.1	1244.5	1578.3	2776.9	4943.8	6717.2	4932.2	2806.1	1657.2	1248.9	1230.7
70°	420.0	434.6	541.9	1111.6	3159.6	5352.1	3294.7	1119.7	576.3	463.1	457.2
72.5°	254.2	256.4	279.0	398.0	1097.7	3249.4	1144.5	411.2	284.8	252.7	257.1
75°	161.4	160.0	198.7	243.2	389.3	1096.3	408.3	243.2	197.9	180.4	181.9
77.5°	116.1	119.8	142.4	181.9	245.4	371.8	241.0	173.8	142.4	116.9	119.0
80°	86.9	89.1	103.7	141.7	172.4	231.5	153.4	128.5	107.4	73.0	75.2
82.5°	62.8	62.8	67.9	103.0	105.2	124.9	83.3	90.6	70.8	51.9	51.9
85°	37.2	36.5	42.4	61.4	54.8	46.0	38.0	55.5	44.6	32.1	31.4
87.5°	13.1	13.9	13.1	17.5	14.6	12.4	11.7	15.3	12.4	11.0	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)