

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: P948064

Luminaire Tested: **GALN-SB3B-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16411 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 109.2
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



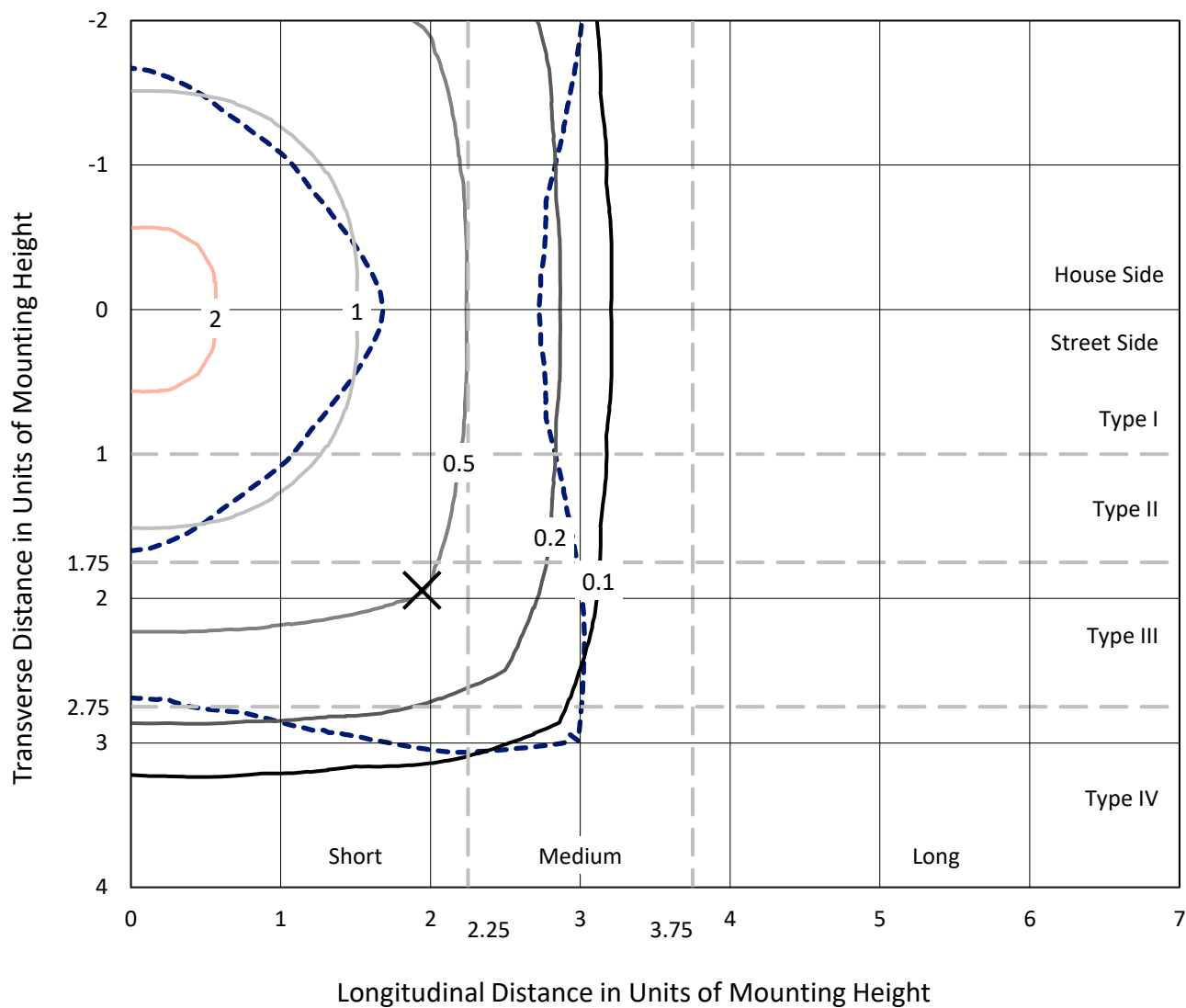
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

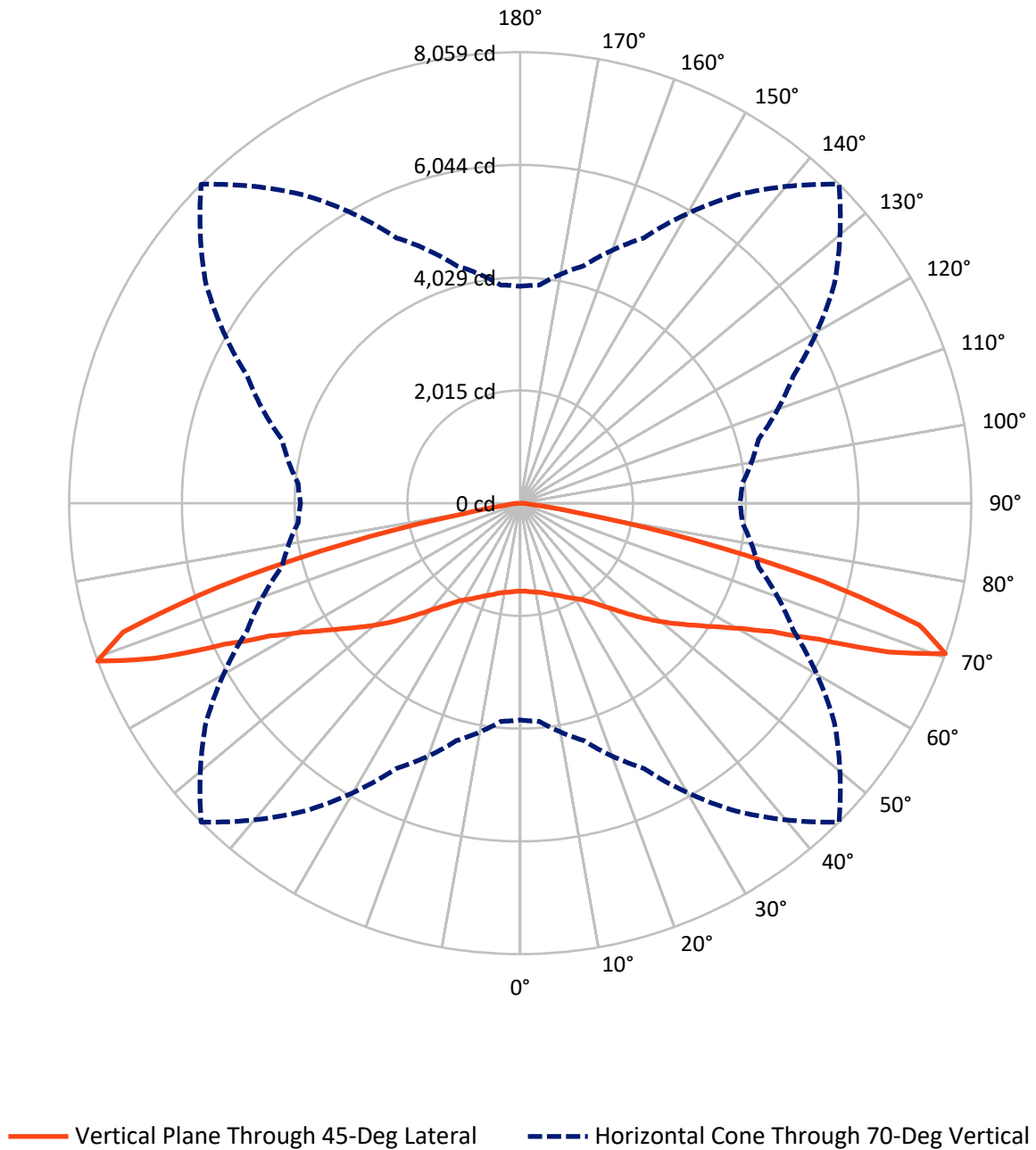


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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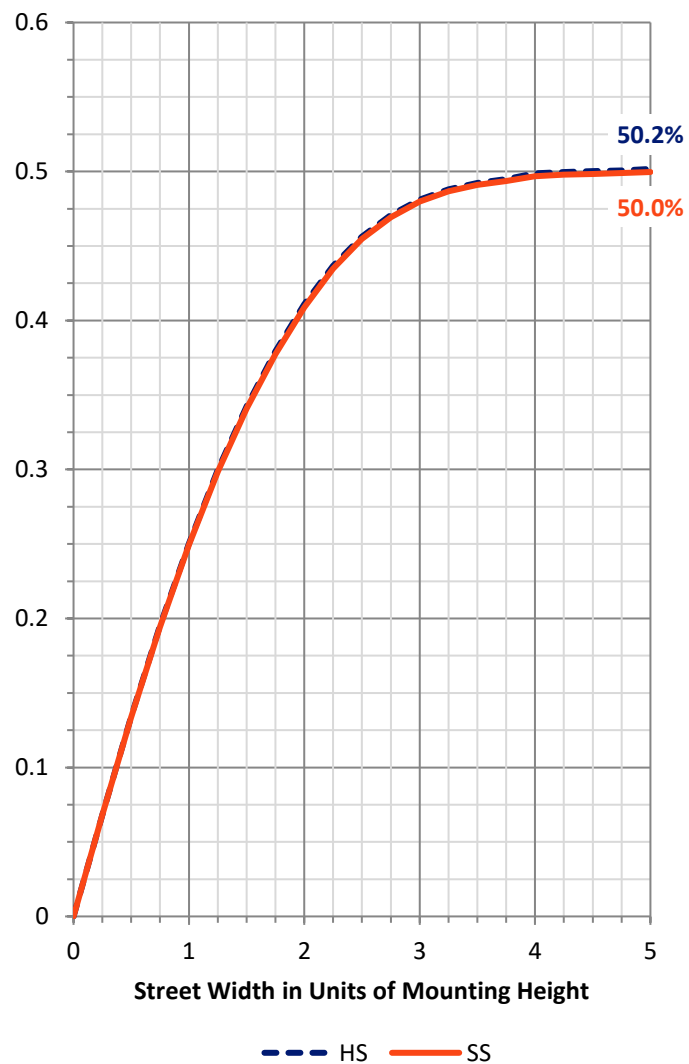
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8205.5	0.0	8205.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8205.5	0.0	8205.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16411.0	0.0	16411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	0.9
10°-20°	473.6	2.9
20°-30°	846.3	5.2
30°-40°	1371.9	8.4
40°-50°	2234.6	13.6
50°-60°	3407.0	20.8
60°-70°	5068.5	30.9
70°-80°	2762.5	16.8
80°-90°	94.1	0.6
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°	16411.0	100.0
0°-180°	16411.0	100.0

Coefficient of Utilization



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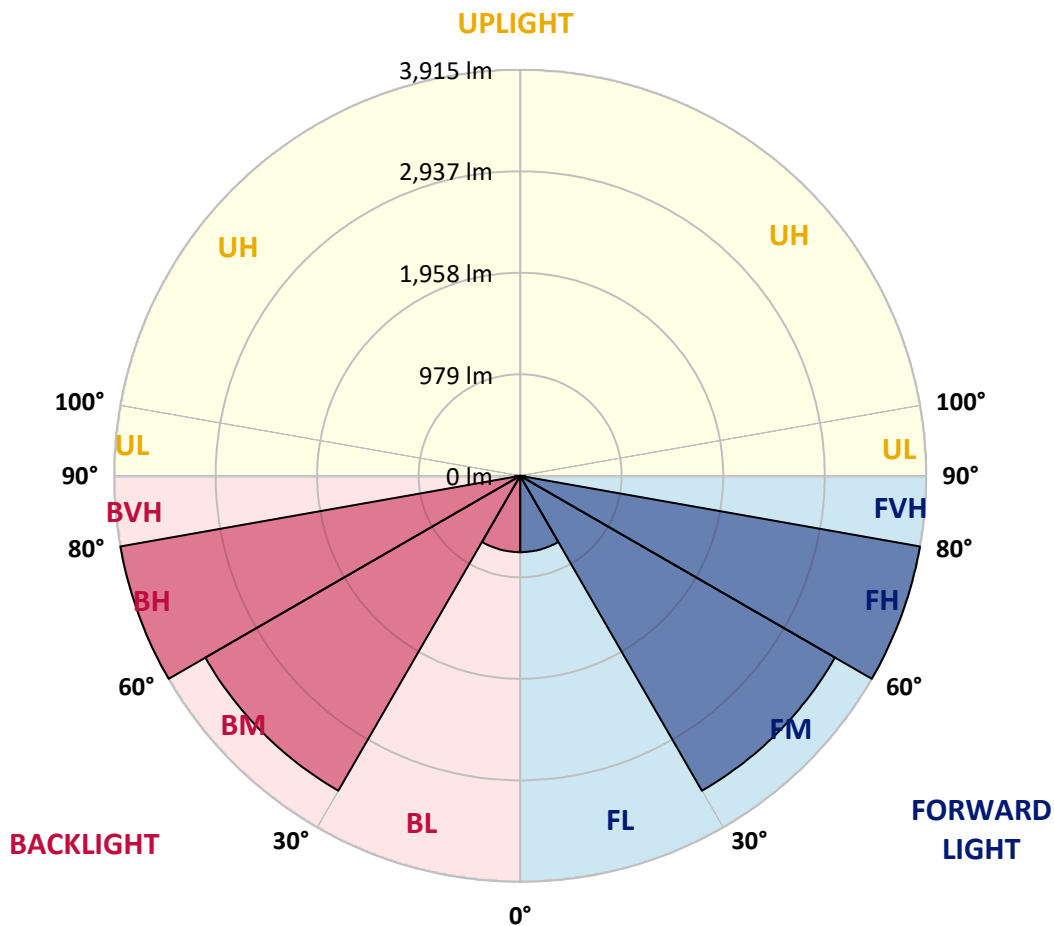
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.3	4.5			
FM	(30°-60°)	3506.7	21.4			
FH	(60°-80°)	3915.5	23.9			G2/5000
FVH	(80°-90°)	47.0	0.3			G1/100
BL	(0°-30°)	736.3	4.5	B2/1000		
BM	(30°-60°)	3506.7	21.4	B3/5000		
BH	(60°-80°)	3915.5	23.9	B4/5000		G2/5000
BVH	(80°-90°)	47.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0	1572.0
2.5°	1579.4	1581.1	1577.8	1576.1	1574.5	1572.0	1572.8	1576.9	1580.2	1579.4	1580.2
5°	1592.6	1594.2	1591.8	1591.0	1587.7	1586.8	1586.8	1591.0	1593.4	1591.8	1592.6
7.5°	1607.4	1609.9	1605.8	1605.0	1603.3	1601.7	1600.8	1605.0	1607.4	1607.4	1607.4
10°	1621.4	1623.9	1620.6	1618.1	1616.5	1616.5	1614.8	1618.1	1622.3	1621.4	1621.4
12.5°	1636.3	1637.9	1634.6	1633.0	1633.0	1635.4	1633.0	1634.6	1637.9	1636.3	1635.4
15°	1654.4	1655.2	1654.4	1656.9	1661.0	1669.2	1661.8	1660.2	1661.8	1657.7	1657.7
17.5°	1679.1	1680.8	1684.1	1689.8	1695.6	1710.4	1697.2	1693.1	1693.1	1684.9	1684.9
20°	1709.6	1712.1	1717.0	1726.9	1734.3	1748.3	1735.1	1729.4	1726.9	1716.2	1716.2
22.5°	1741.7	1745.8	1753.3	1766.4	1779.6	1792.8	1779.6	1769.7	1762.3	1748.3	1747.5
25°	1778.8	1783.7	1795.3	1816.7	1834.8	1853.8	1838.1	1818.4	1803.5	1783.7	1782.9
27.5°	1831.5	1837.3	1851.3	1877.7	1900.7	1917.2	1902.4	1876.8	1856.2	1832.4	1831.5
30°	1905.7	1911.5	1927.9	1955.9	1971.6	1982.3	1972.4	1952.6	1927.9	1900.7	1900.7
32.5°	2001.3	2008.7	2026.8	2053.2	2056.5	2058.1	2054.8	2044.9	2026.8	1993.8	1994.7
35°	2122.4	2130.6	2151.2	2172.6	2169.3	2172.6	2167.7	2164.4	2151.2	2113.3	2113.3
37.5°	2270.7	2280.6	2302.0	2318.5	2310.2	2306.1	2306.9	2307.7	2300.3	2258.3	2258.3
40°	2442.9	2456.1	2471.7	2489.0	2475.0	2462.6	2470.9	2477.5	2470.9	2428.0	2428.0
42.5°	2620.0	2639.0	2655.4	2680.2	2668.6	2653.0	2664.5	2671.9	2657.9	2611.8	2615.1
45°	2816.9	2835.0	2856.5	2893.5	2885.3	2868.8	2885.3	2887.0	2863.1	2808.7	2814.4
47.5°	3020.4	3039.4	3071.5	3120.9	3117.6	3099.5	3120.9	3109.4	3078.9	3013.8	3009.7
50°	3213.2	3239.6	3289.0	3358.2	3364.8	3342.6	3371.4	3349.2	3298.1	3216.5	3214.9
52.5°	3394.5	3422.5	3500.8	3594.7	3618.6	3589.7	3628.5	3589.7	3513.1	3408.5	3398.6
55°	3584.8	3616.1	3709.2	3832.0	3879.8	3858.3	3894.6	3836.1	3727.3	3600.4	3583.1
57.5°	3808.9	3827.8	3939.1	4084.9	4165.6	4170.6	4187.1	4088.2	3956.4	3812.2	3792.4
60°	4051.9	4078.3	4199.4	4374.1	4501.8	4543.0	4525.7	4379.0	4225.8	4060.2	4033.8
62.5°	4363.4	4392.2	4537.2	4746.5	4948.4	5050.5	4983.0	4770.4	4580.9	4382.3	4347.7
65°	4621.3	4653.4	4915.4	5288.6	5656.1	5861.2	5691.5	5300.2	4959.1	4678.9	4632.8
67.5°	4434.2	4473.8	4884.9	5570.4	6484.1	7096.3	6515.4	5654.4	4986.3	4606.4	4549.6
70°	3875.6	3912.7	4392.2	5230.1	6717.3	8058.6	6857.3	5384.2	4407.9	3982.7	3925.9
72.5°	2573.0	2692.5	3177.8	4182.9	5998.0	7457.1	6057.3	4098.1	2947.9	2567.3	2484.1
75°	853.6	949.1	1280.3	2168.5	4017.3	5577.0	3824.6	1918.9	1014.2	730.0	690.4
77.5°	215.0	248.0	341.9	620.4	1602.5	3175.3	1442.7	506.7	276.0	192.8	172.2
80°	104.6	115.3	164.8	206.8	401.2	1009.3	376.5	194.4	130.2	100.5	92.3
82.5°	57.7	58.5	93.1	117.0	149.1	261.2	154.9	113.7	75.0	61.0	61.0
85°	35.4	34.6	49.4	62.6	62.6	93.1	74.2	62.6	42.8	37.9	39.5
87.5°	14.0	14.0	18.1	19.8	17.3	23.9	18.9	20.6	16.5	15.7	16.5
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)