

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: P948068

Luminaire Tested: **GALN-SB3B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948068
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-SB3B-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16137 lumens
Efficiency: N/A
Efficacy: 147.8 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): 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

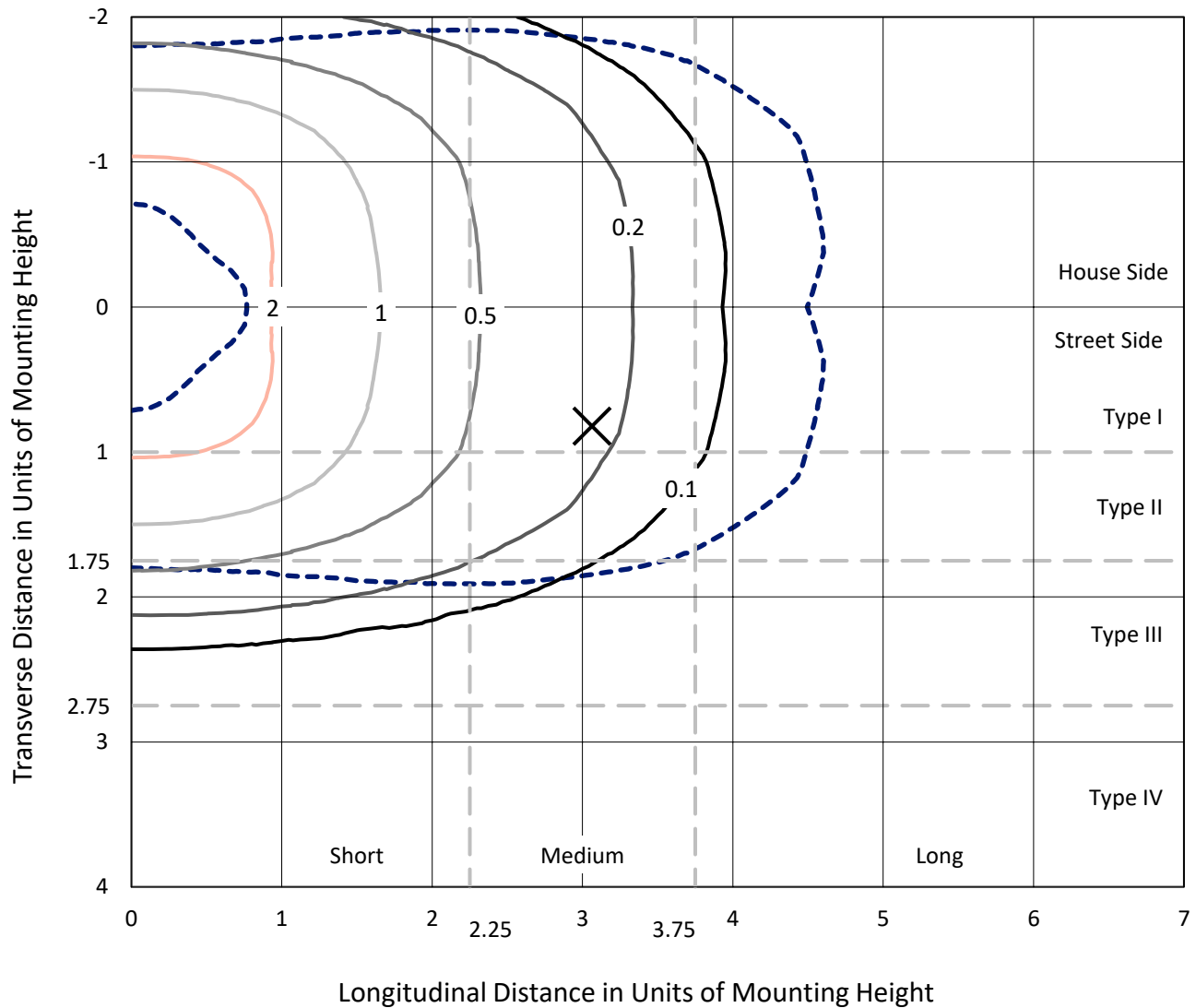


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

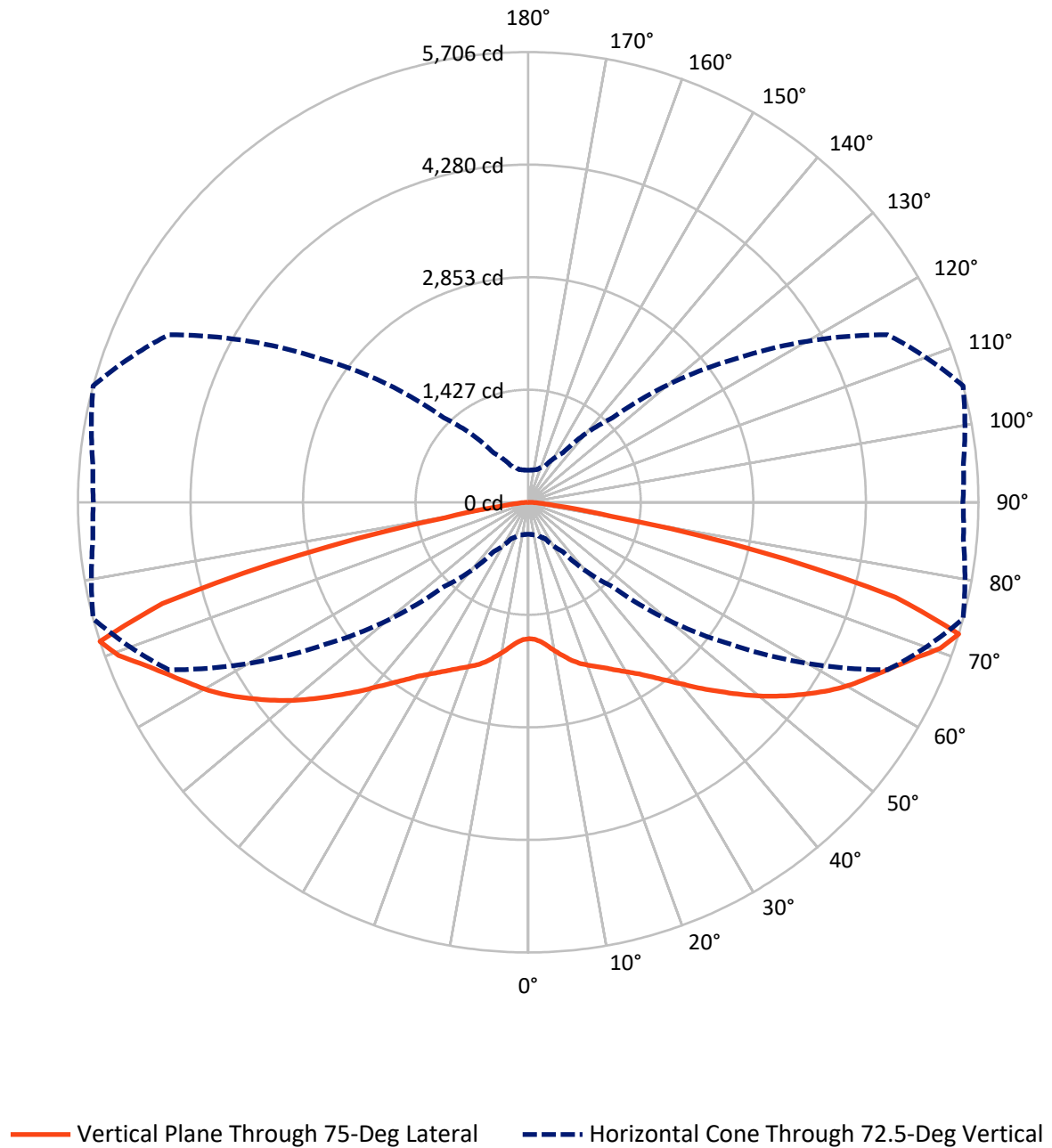


Based on 25 foot mounting height. Maximum calculated value = 3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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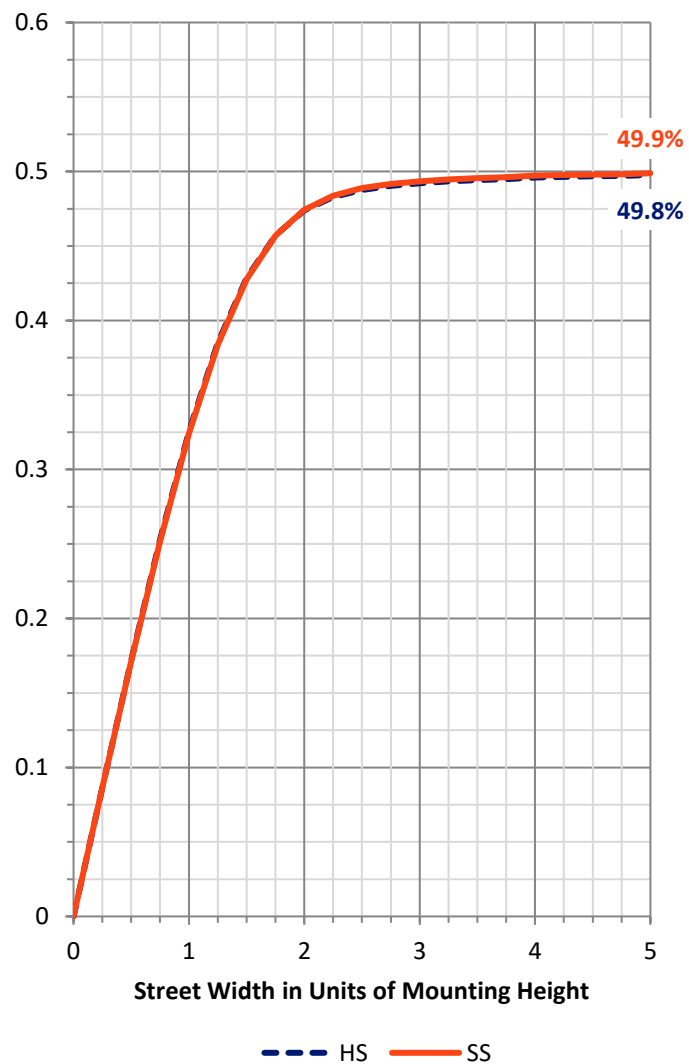
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8068.5	0.0	8068.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8068.5	0.0	8068.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16137.0	0.0	16137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.3	1.0
10°-20°	558.5	3.5
20°-30°	1079.1	6.7
30°-40°	1822.2	11.3
40°-50°	2889.8	17.9
50°-60°	3869.1	24.0
60°-70°	3682.1	22.8
70°-80°	1921.4	11.9
80°-90°	145.4	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°	16137.0	100.0
0°-180°	16137.0	100.0

Coefficient of Utilization



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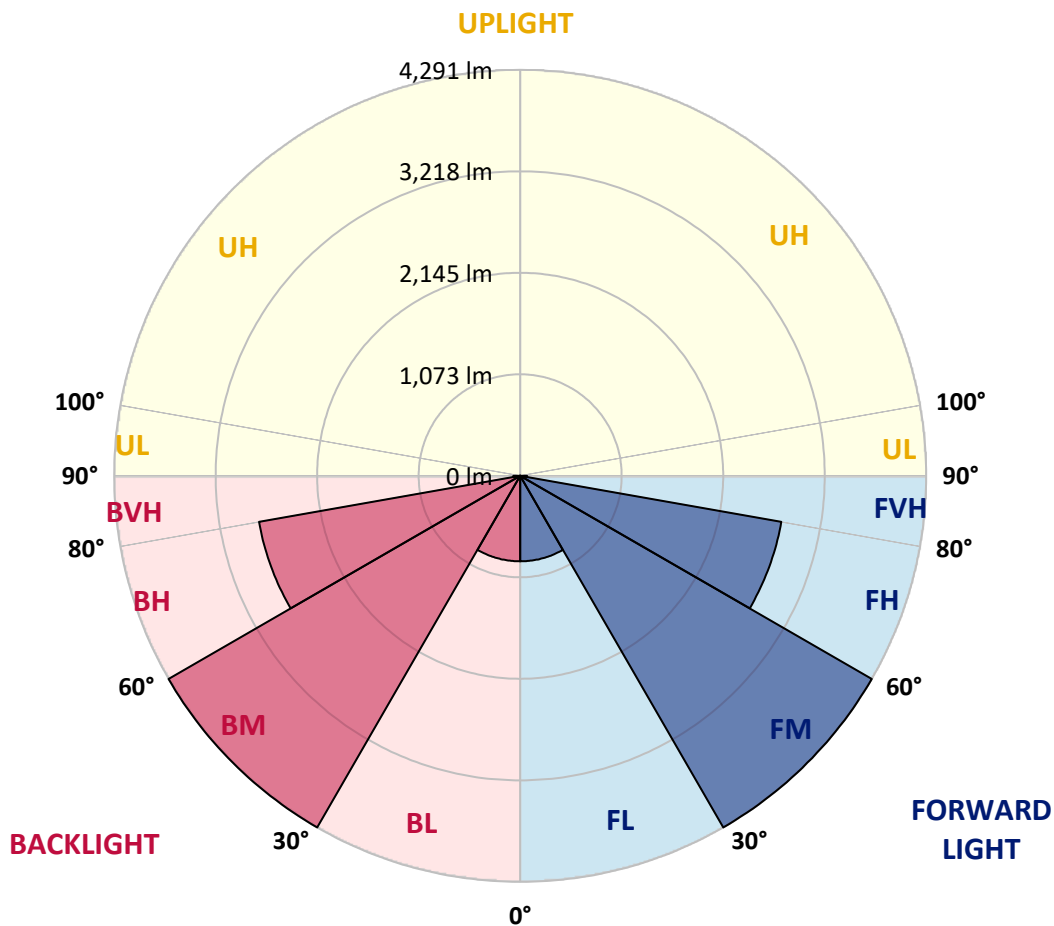
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	903.5	5.6			
FM	(30°-60°)	4290.5	26.6			
FH	(60°-80°)	2801.8	17.4			G2/5000
FVH	(80°-90°)	72.7	0.5			G1/100
BL	(0°-30°)	903.5	5.6	B2/1000		
BM	(30°-60°)	4290.5	26.6	B3/5000		
BH	(60°-80°)	2801.8	17.4	B4/5000		G4/5000
BVH	(80°-90°)	72.7	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°	90°
0°	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6	1728.6
2.5°	1728.6	1726.9	1728.6	1730.2	1729.4	1729.4	1733.5	1736.0	1740.9	1740.1	1739.3
5°	1717.0	1716.2	1722.8	1730.2	1736.0	1745.9	1758.2	1767.3	1778.8	1781.3	1781.3
7.5°	1711.3	1708.8	1720.3	1733.5	1751.6	1776.3	1800.2	1825.0	1844.7	1851.3	1853.0
10°	1715.4	1716.2	1731.9	1756.6	1785.4	1820.0	1853.8	1895.8	1923.8	1930.4	1937.0
12.5°	1734.3	1732.7	1759.0	1798.6	1838.1	1881.8	1921.4	1967.5	1998.0	2013.6	2020.2
15°	1768.9	1765.6	1802.7	1861.2	1918.9	1970.0	2002.1	2045.8	2081.2	2101.0	2108.4
17.5°	1810.1	1811.8	1860.4	1936.2	2012.0	2069.7	2100.1	2122.4	2149.6	2166.9	2175.1
20°	1882.6	1885.9	1940.3	2030.1	2116.6	2182.5	2207.3	2199.0	2206.4	2219.6	2229.5
22.5°	1979.9	1981.5	2042.5	2139.7	2230.3	2302.8	2319.3	2285.5	2264.9	2274.0	2280.6
25°	2092.7	2103.4	2164.4	2264.1	2357.2	2426.4	2433.8	2382.7	2331.7	2334.1	2338.3
27.5°	2230.3	2240.2	2302.0	2400.9	2495.6	2555.8	2554.9	2486.6	2411.6	2392.6	2398.4
30°	2379.4	2390.2	2453.6	2555.8	2643.9	2696.7	2685.1	2603.6	2496.4	2461.0	2465.1
32.5°	2556.6	2563.2	2627.4	2729.6	2811.2	2853.2	2829.3	2728.8	2595.3	2554.9	2564.8
35°	2770.8	2780.7	2828.5	2924.9	2996.6	3031.2	2990.8	2872.1	2722.2	2676.9	2683.5
37.5°	3015.5	3008.9	3063.3	3149.0	3208.3	3229.7	3174.5	3033.6	2867.2	2813.7	2823.5
40°	3270.9	3267.6	3326.9	3409.3	3441.5	3454.7	3373.1	3219.0	3034.5	2976.8	2995.7
42.5°	3502.4	3500.0	3579.9	3671.3	3710.1	3695.2	3592.2	3415.9	3228.1	3162.2	3178.6
45°	3687.8	3684.5	3782.6	3911.1	3986.9	3962.2	3823.8	3633.4	3424.2	3355.8	3371.4
47.5°	3830.4	3832.0	3937.5	4096.5	4229.1	4238.2	4060.2	3855.1	3640.0	3562.6	3585.7
50°	3933.3	3938.3	4051.2	4227.5	4408.7	4488.7	4301.6	4082.5	3863.3	3776.0	3802.3
52.5°	3958.9	3967.9	4103.9	4310.7	4524.1	4676.5	4547.2	4300.8	4075.1	3991.8	4013.3
55°	3822.9	3841.1	4013.3	4304.1	4594.9	4800.1	4763.0	4522.4	4288.4	4202.8	4226.7
57.5°	3510.7	3536.2	3737.3	4117.1	4579.3	4885.0	4930.3	4735.0	4501.8	4419.4	4438.4
60°	3073.2	3103.7	3296.5	3710.9	4358.5	4916.3	5048.1	4941.8	4697.9	4618.0	4635.3
62.5°	2413.2	2452.8	2683.5	3169.6	3892.1	4770.4	5148.6	5128.8	4874.2	4774.6	4786.1
65°	1548.1	1590.1	1833.2	2407.5	3270.1	4323.9	5179.9	5310.9	5060.5	4921.2	4938.5
67.5°	933.5	952.4	1072.7	1459.1	2390.2	3650.7	4914.6	5512.8	5278.0	5104.9	5118.1
70°	597.3	608.0	679.7	856.9	1351.2	2663.7	4257.1	5550.7	5541.6	5293.6	5292.0
72.5°	405.4	408.7	427.6	507.5	764.6	1513.5	3139.9	5025.0	5706.4	5536.7	5510.3
75°	296.6	314.7	345.2	359.2	434.2	756.3	1799.4	3530.5	4809.2	4883.3	4703.7
77.5°	220.8	221.6	263.7	280.1	309.8	402.9	761.3	1970.8	2985.8	3135.0	2796.3
80°	187.0	177.1	176.3	225.8	233.2	251.3	340.3	680.5	1069.4	648.4	490.2
82.5°	155.7	145.0	131.0	176.3	159.0	154.1	147.5	276.8	340.3	167.3	142.5
85°	108.8	103.8	98.9	115.3	90.6	77.4	70.9	129.4	143.4	70.9	62.6
87.5°	47.0	48.6	49.4	51.1	37.9	27.2	27.2	36.3	36.3	28.0	20.6
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)