

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: P943653

Luminaire Tested: **GALN-SB8B-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41781 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 292.8
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

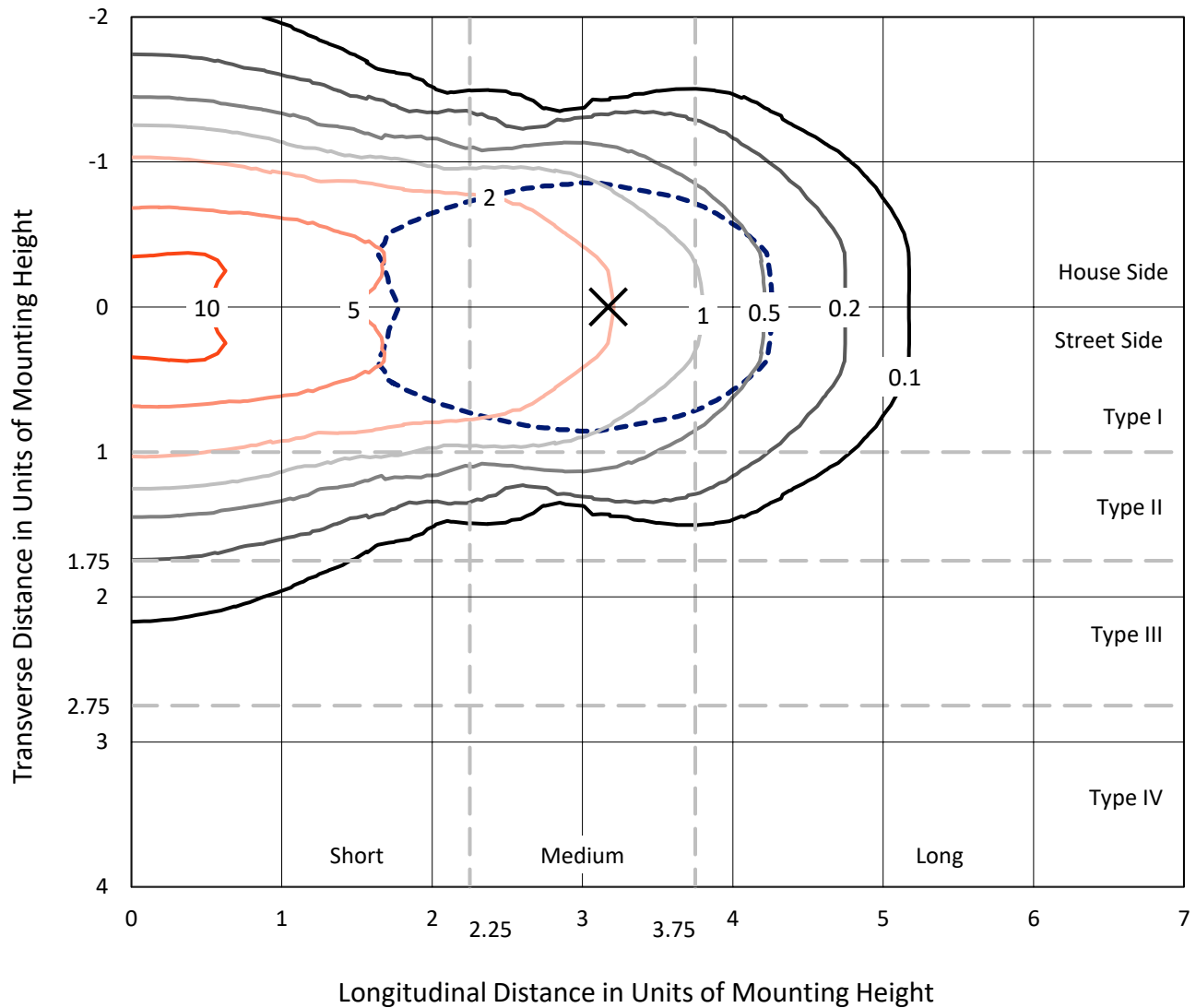


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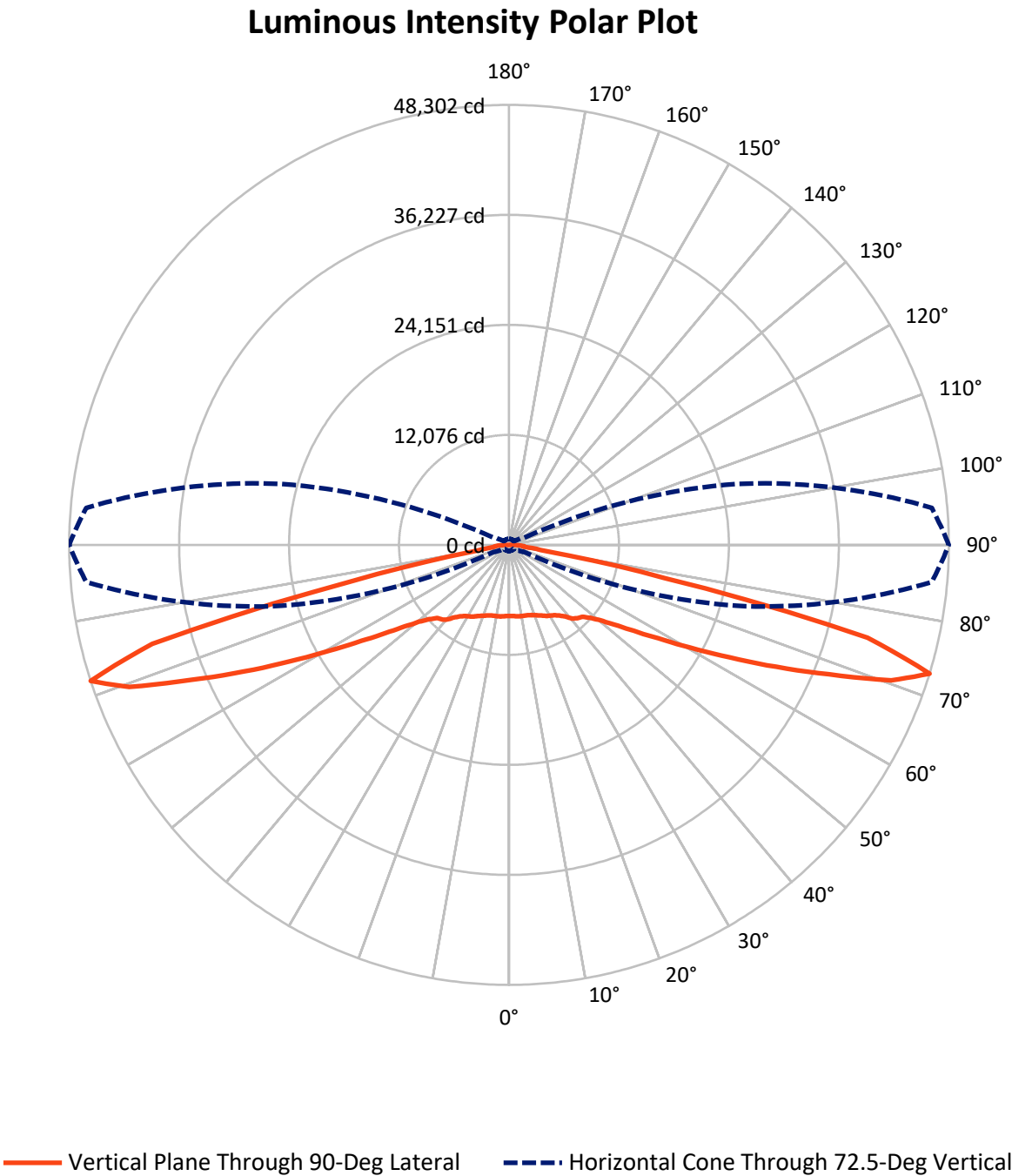
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20890.5	0.0	20890.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20890.5	0.0	20890.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41781.0	0.0	41781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.0	1.8
10°-20°	2314.6	5.5
20°-30°	3859.4	9.2
30°-40°	5307.9	12.7
40°-50°	6482.4	15.5
50°-60°	7497.6	17.9
60°-70°	8939.6	21.4
70°-80°	6239.3	14.9
80°-90°	383.2	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°	41781.0	100.0
0°-180°	41781.0	100.0

Coefficient of Utilization



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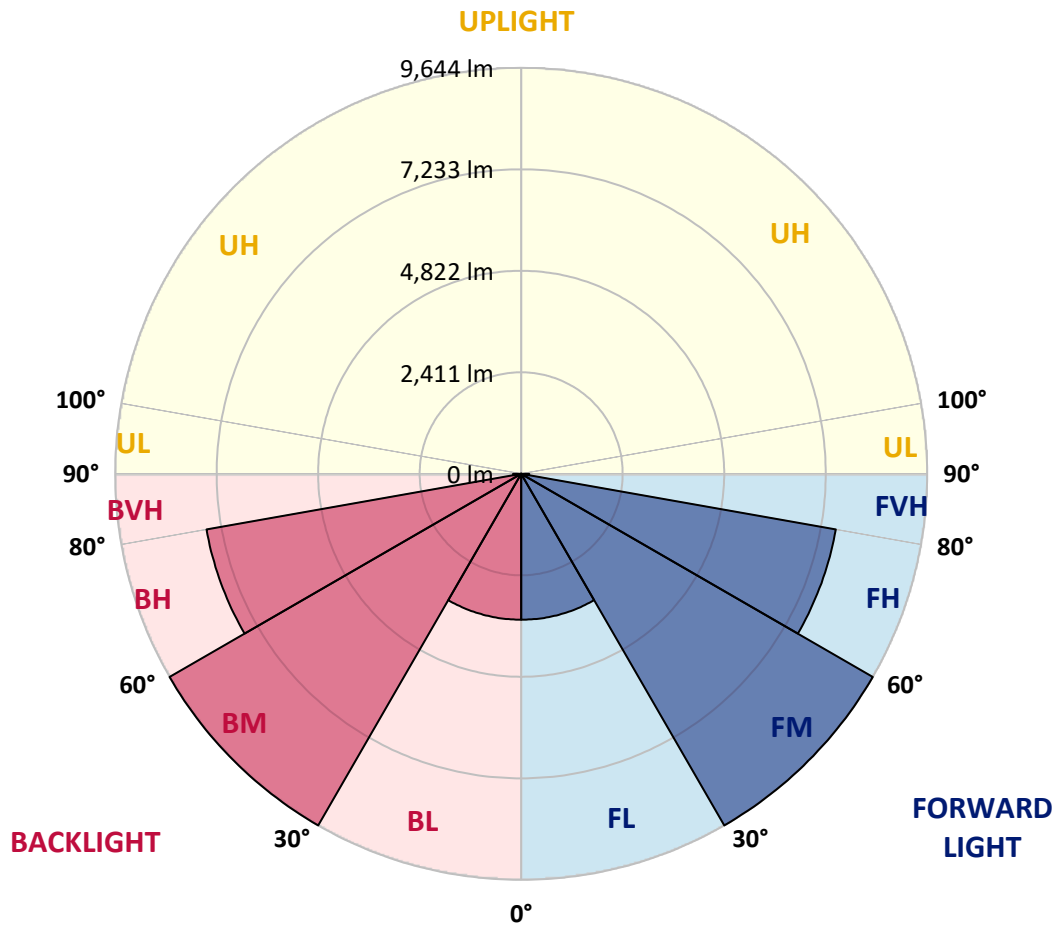
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3465.5	8.3			
FM	(30°-60°)	9643.9	23.1			
FH	(60°-80°)	7589.4	18.2			G4/12000
FVH	(80°-90°)	191.6	0.5			G2/225
BL	(0°-30°)	3465.5	8.3	B4/5000		
BM	(30°-60°)	9643.9	23.1	B5		
BH	(60°-80°)	7589.4	18.2	B5		G5
BVH	(80°-90°)	191.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2	7807.2
2.5°	7813.9	7822.8	7822.8	7816.1	7831.6	7818.3	7818.3	7811.7	7818.3	7811.7	7811.7
5°	7853.9	7865.0	7869.4	7867.2	7887.2	7876.1	7876.1	7867.2	7869.4	7862.7	7862.7
7.5°	7929.3	7944.9	7953.8	7964.9	7993.7	7980.4	7971.5	7944.9	7933.8	7916.0	7916.0
10°	7953.8	7971.5	8000.4	8058.1	8124.8	8127.0	8100.3	8033.7	7982.6	7942.7	7936.0
12.5°	7878.3	7902.7	7962.7	8080.3	8229.1	8289.1	8246.9	8135.9	8035.9	7964.9	7953.8
15°	7782.8	7809.4	7900.5	8078.1	8297.9	8437.8	8433.4	8286.8	8127.0	8015.9	7998.2
17.5°	7634.0	7660.7	7791.7	8040.4	8351.2	8582.2	8644.3	8493.4	8269.1	8120.3	8095.9
20°	7365.3	7389.8	7571.8	7920.5	8369.0	8735.4	8897.5	8764.2	8484.5	8282.4	8244.7
22.5°	7016.7	7054.5	7267.6	7714.0	8326.8	8895.3	9186.1	9095.1	8735.4	8455.6	8404.5
25°	6643.7	6683.7	6932.4	7460.8	8218.0	9010.7	9528.1	9470.4	9019.6	8671.0	8599.9
27.5°	6321.7	6363.9	6634.8	7209.9	8049.3	9055.1	9865.6	9894.5	9363.8	8908.6	8833.1
30°	6068.6	6108.6	6397.2	7007.8	7831.6	9010.7	10160.9	10360.8	9714.6	9115.1	9006.3
32.5°	5791.0	5842.1	6146.3	6761.4	7574.1	8904.1	10418.5	10864.8	10121.0	9337.1	9199.5
35°	5440.2	5486.8	5806.6	6423.9	7236.6	8733.2	10633.9	11424.4	10702.7	9674.6	9521.4
37.5°	5013.9	5058.3	5375.8	6002.0	6901.3	8493.4	10798.2	12055.0	11395.5	10160.9	9956.6
40°	4585.3	4627.5	4925.0	5531.2	6499.4	8186.9	10855.9	12672.3	12190.5	10829.3	10611.7
42.5°	4192.3	4230.0	4503.1	5067.1	6048.6	7796.1	10780.4	13209.7	12903.2	11295.6	11015.8
45°	3830.3	3863.6	4105.7	4631.9	5580.1	7320.9	10554.0	13787.0	13751.5	11628.7	11251.2
47.5°	3417.3	3450.6	3701.5	4210.0	5111.6	6763.6	10169.8	14355.4	14930.5	12383.6	11948.4
50°	2913.3	2942.1	3199.7	3723.8	4625.3	6170.7	9636.9	14801.7	16418.3	13527.2	12980.9
52.5°	2316.0	2347.1	2598.0	3122.0	4047.9	5533.4	8935.2	15092.6	18136.9	15197.0	14524.2
55°	1723.1	1745.3	1962.9	2433.7	3332.9	4807.3	8055.9	15174.8	20086.5	17479.6	16638.1
57.5°	1250.1	1263.5	1403.3	1754.2	2526.9	3899.2	6987.9	14961.6	22406.9	20406.2	19347.1
60°	1012.5	1017.0	1059.2	1214.6	1756.4	2873.3	5697.8	14228.9	24924.9	24178.8	22844.3
62.5°	919.3	919.3	930.4	972.6	1188.0	1896.3	4136.8	12710.0	27625.0	28946.2	27158.7
65°	854.9	854.9	859.3	879.3	937.0	1207.9	2611.3	10236.4	29901.0	34530.7	32270.3
67.5°	797.2	799.4	797.2	803.8	837.1	892.6	1514.4	7070.0	31126.7	40317.3	37877.0
70°	737.2	741.6	730.5	730.5	757.2	759.4	948.1	3877.0	30109.8	45166.9	44525.1
72.5°	666.1	672.8	655.0	650.6	670.6	661.7	712.8	1860.8	25850.9	46614.6	48302.2
75°	604.0	612.9	572.9	561.8	561.8	555.1	579.5	954.8	16778.0	38025.8	40672.6
77.5°	548.5	566.2	501.8	466.3	457.4	437.4	473.0	584.0	7338.7	17852.7	17481.9
80°	453.0	477.4	413.0	370.8	355.3	333.1	373.0	408.6	2182.7	4145.6	3970.2
82.5°	337.5	348.6	293.1	264.2	250.9	235.4	279.8	284.2	710.6	1467.7	1658.7
85°	215.4	219.8	179.9	155.4	148.8	142.1	177.6	155.4	270.9	1079.2	1567.7
87.5°	75.5	86.6	68.8	62.2	66.6	55.5	82.2	46.6	75.5	761.6	943.7
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)