

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: P953188

Luminaire Tested: **GALN-SB6D-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953188
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-SB6D-827-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56195 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

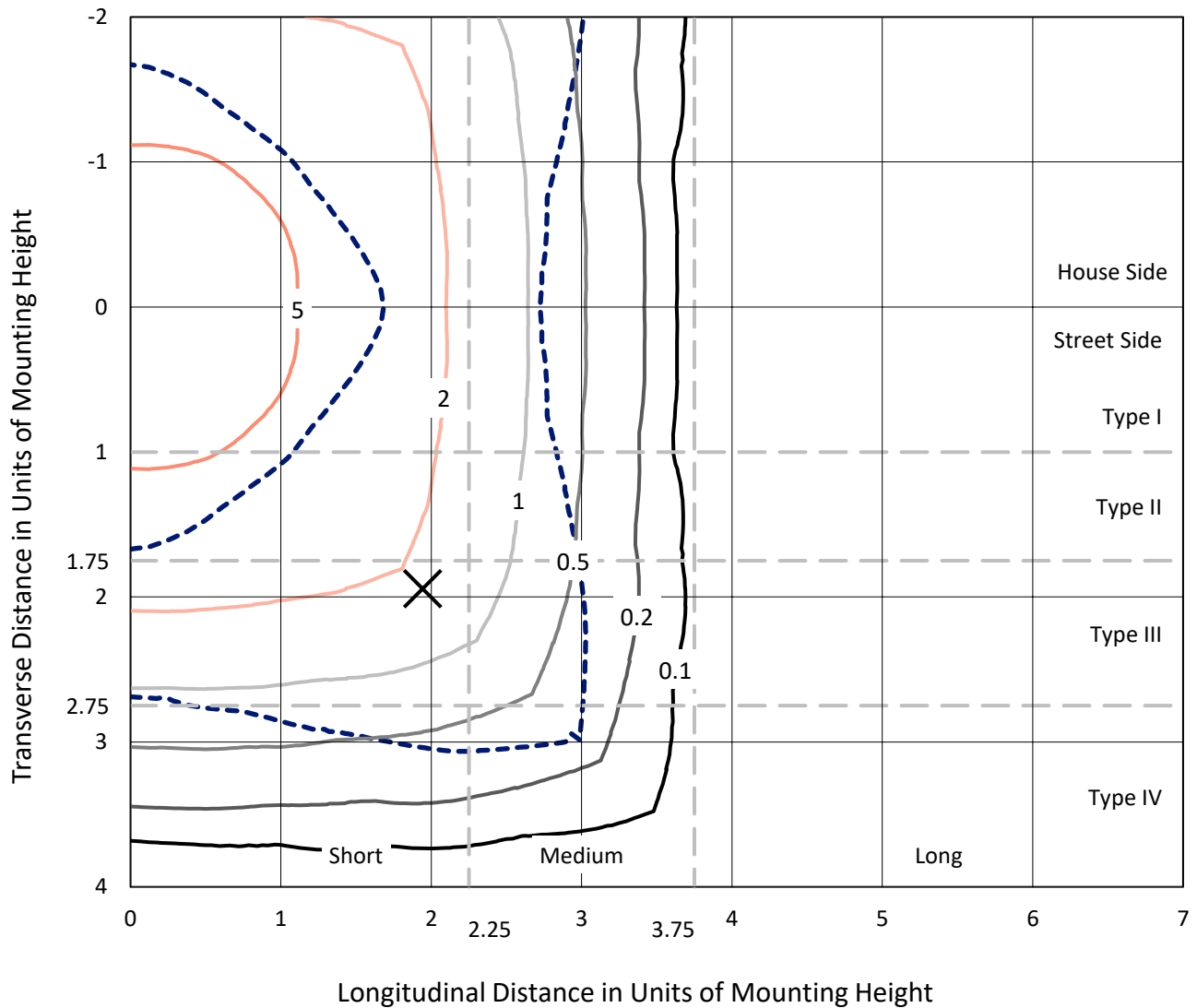
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

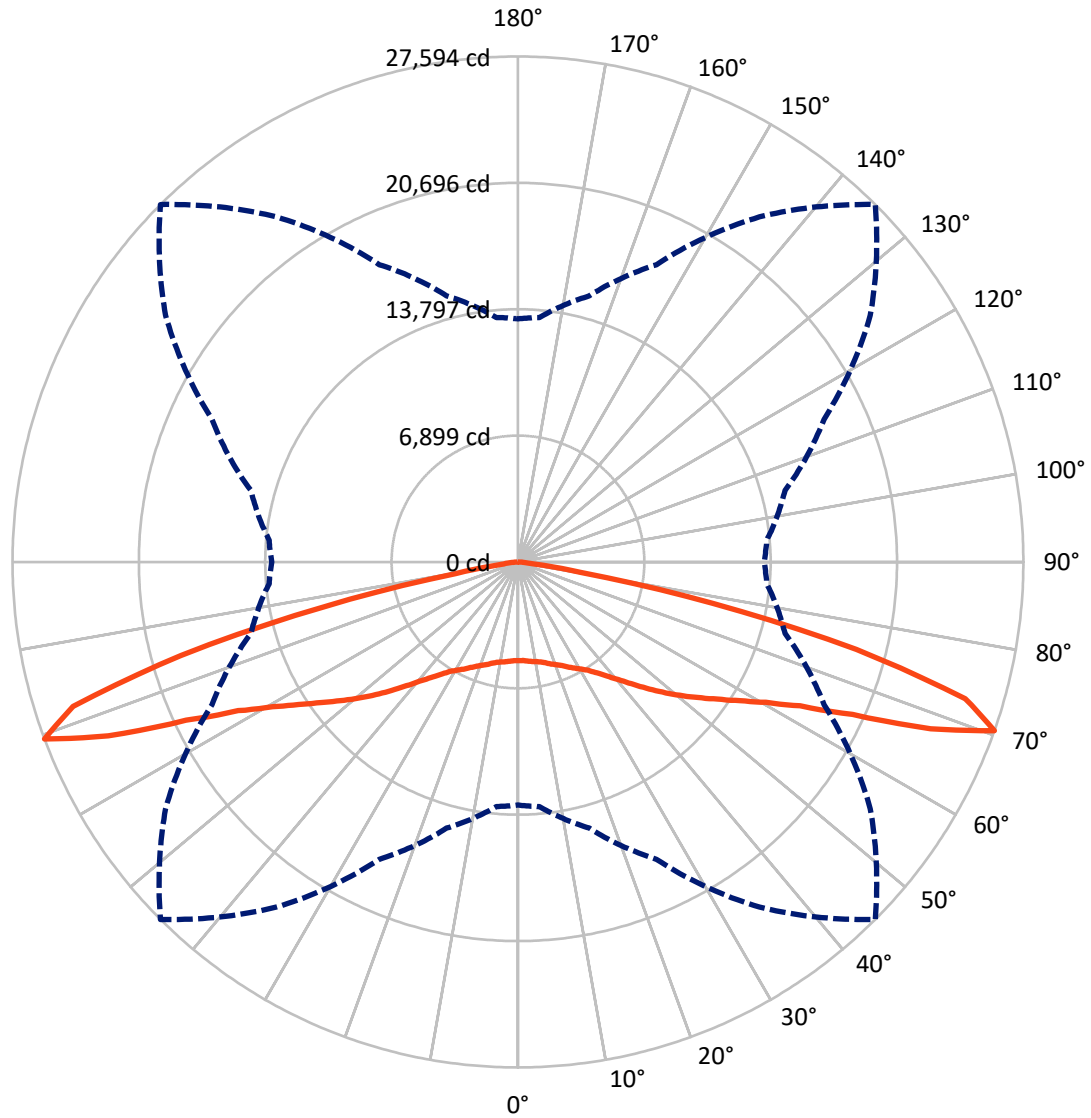
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28097.5	0.0	28097.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28097.5	0.0	28097.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	56195.0	0.0	56195.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.9	0.9
10°-20°	1621.6	2.9
20°-30°	2898.0	5.2
30°-40°	4697.6	8.4
40°-50°	7651.6	13.6
50°-60°	11666.2	20.8
60°-70°	17355.6	30.9
70°-80°	9459.3	16.8
80°-90°	322.1	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°	56195.0	100.0
0°-180°	56195.0	100.0



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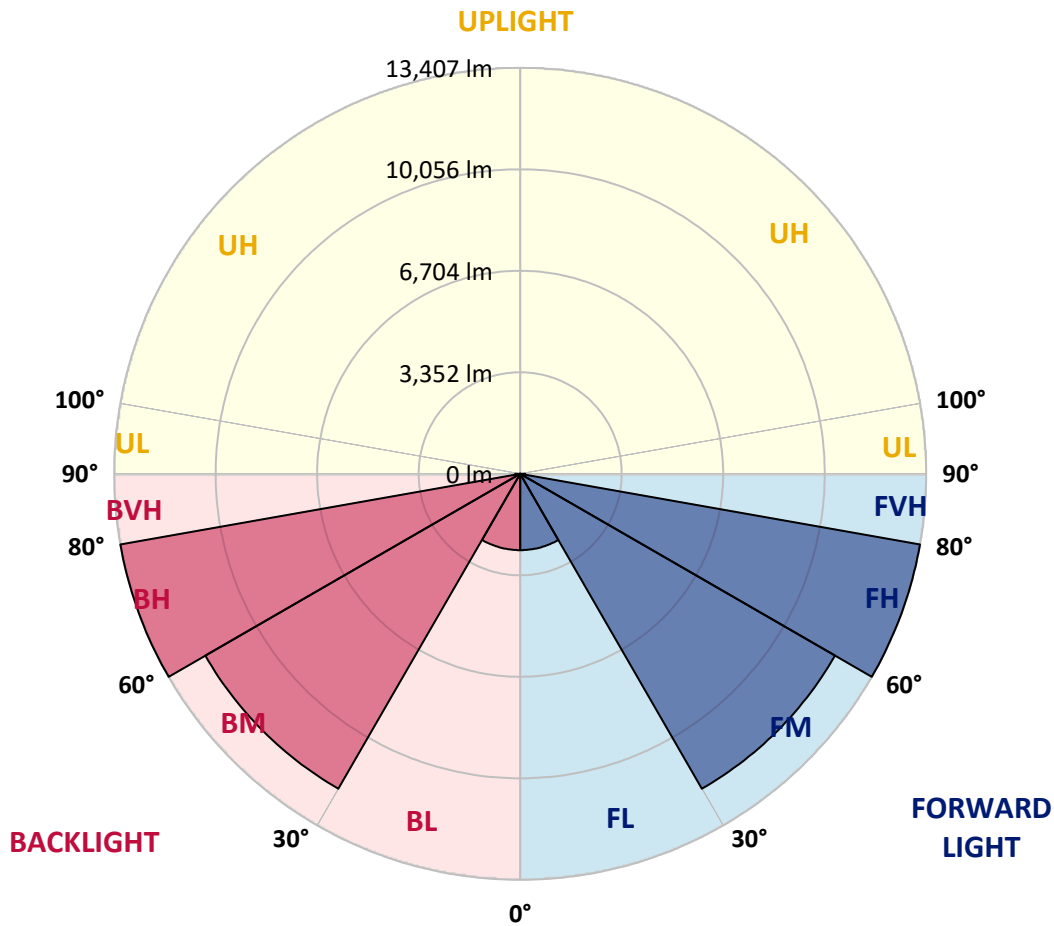
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2521.3	4.5			
FM (30°-60°)	12007.7	21.4			
FH (60°-80°)	13407.5	23.9			G5
FVH (80°-90°)	161.1	0.3			G2/225
BL (0°-30°)	2521.3	4.5	B4/5000		
BM (30°-60°)	12007.7	21.4	B5		
BH (60°-80°)	13407.5	23.9	B5		G5
BVH (80°-90°)	161.1	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5382.9	5382.9	5382.9	5382.9	5382.9	5382.9	5382.9	5382.9	5382.9	5382.9
2.5°	5408.3	5413.9	5402.6	5397.0	5391.4	5382.9	5385.7	5399.8	5411.1	5408.3
5°	5453.4	5459.1	5450.6	5447.8	5436.5	5433.7	5433.7	5447.8	5456.3	5450.6
7.5°	5504.2	5512.7	5498.6	5495.7	5490.1	5484.5	5481.6	5495.7	5504.2	5504.2
10°	5552.2	5560.6	5549.4	5540.9	5535.2	5535.2	5529.6	5540.9	5555.0	5552.2
12.5°	5603.0	5608.6	5597.3	5591.7	5591.7	5600.1	5591.7	5597.3	5608.6	5603.0
15°	5665.0	5667.8	5665.0	5673.5	5687.6	5715.8	5690.4	5684.8	5690.4	5676.3
17.5°	5749.7	5755.3	5766.6	5786.3	5806.1	5856.9	5811.7	5797.6	5797.6	5769.4
20°	5854.0	5862.5	5879.4	5913.3	5938.7	5986.6	5941.5	5921.8	5913.3	5876.6
22.5°	5964.1	5978.2	6003.6	6048.7	6093.8	6139.0	6093.8	6060.0	6034.6	5986.6
25°	6091.0	6108.0	6147.5	6220.8	6282.9	6347.8	6294.2	6226.4	6175.7	6108.0
27.5°	6271.6	6291.3	6339.3	6429.6	6508.6	6565.0	6514.2	6426.8	6356.2	6274.4
30°	6525.5	6545.2	6601.7	6697.6	6751.2	6787.9	6754.0	6686.3	6601.7	6508.6
32.5°	6852.8	6878.1	6940.2	7030.5	7041.8	7047.4	7036.1	7002.3	6940.2	6827.4
35°	7267.5	7295.7	7366.2	7439.6	7428.3	7439.6	7422.6	7411.4	7366.2	7236.4
37.5°	7775.3	7809.2	7882.5	7938.9	7910.7	7896.6	7899.4	7902.3	7876.9	7733.0
40°	8364.9	8410.1	8463.7	8522.9	8475.0	8432.6	8460.9	8483.4	8460.9	8314.2
42.5°	8971.5	9036.4	9092.8	9177.4	9138.0	9084.3	9123.8	9149.2	9101.3	8943.3
45°	9645.8	9707.8	9781.2	9908.1	9879.9	9823.5	9879.9	9885.6	9803.8	9617.6
47.5°	10342.6	10407.5	10517.5	10686.8	10675.5	10613.5	10686.8	10647.3	10542.9	10320.0
50°	11002.8	11093.1	11262.3	11499.3	11521.9	11445.7	11544.5	11468.3	11293.4	11014.1
52.5°	11623.5	11719.4	11987.4	12309.0	12390.8	12292.1	12424.7	12292.1	12029.7	11671.4
55°	12275.2	12382.4	12701.2	13121.5	13285.2	13211.8	13335.9	13135.6	12763.2	12328.8
57.5°	13042.5	13107.4	13488.3	13987.6	14264.1	14281.0	14337.5	13998.9	13547.5	13053.8
60°	13874.8	13965.1	14379.8	14977.9	15415.2	15556.2	15497.0	14994.8	14470.1	13903.0
62.5°	14941.2	15040.0	15536.5	16253.1	16944.3	17294.1	17062.8	16334.9	15686.0	15006.1
65°	15824.3	15934.3	16831.4	18109.5	19367.7	20070.2	19489.0	18148.9	16981.0	16021.7
67.5°	15183.8	15319.3	16727.0	19074.3	22203.0	24299.2	22310.3	19362.1	17074.1	15773.5
70°	13271.0	13398.0	15040.0	17909.1	23001.5	27594.4	23481.1	18436.7	15093.6	13637.8
72.5°	8810.7	9219.8	10881.5	14323.4	20538.5	25534.9	20741.7	14032.8	10094.3	8790.9
75°	2922.8	3250.1	4384.2	7425.5	13756.3	19096.9	13096.1	6570.6	3472.9	2499.6
77.5°	736.3	849.2	1170.8	2124.4	5487.3	10873.0	4940.0	1735.1	945.1	660.2
80°	358.3	395.0	564.2	708.1	1373.9	3456.0	1289.3	665.8	445.8	344.2
82.5°	197.5	200.3	318.8	400.6	510.6	894.3	530.4	389.3	256.7	208.8
85°	121.3	118.5	169.3	214.4	214.4	318.8	253.9	214.4	146.7	129.8
87.5°	48.0	48.0	62.1	67.7	59.2	81.8	64.9	70.5	56.4	53.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5382.9
5411.1
5453.4
5504.2
5552.2
5600.1
5676.3
5769.4
5876.6
5983.8
6105.1
6271.6
6508.6
6830.2
7236.4
7733.0
8314.2
8954.6
9637.3
10305.9
11008.4
11637.6
12269.5
12986.1
13812.7
14887.6
15863.8
15578.8
13443.1
8506.0
2364.2
589.6
316.0
208.8
135.4
56.4
0.0

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