

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: P942690

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
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-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54277 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

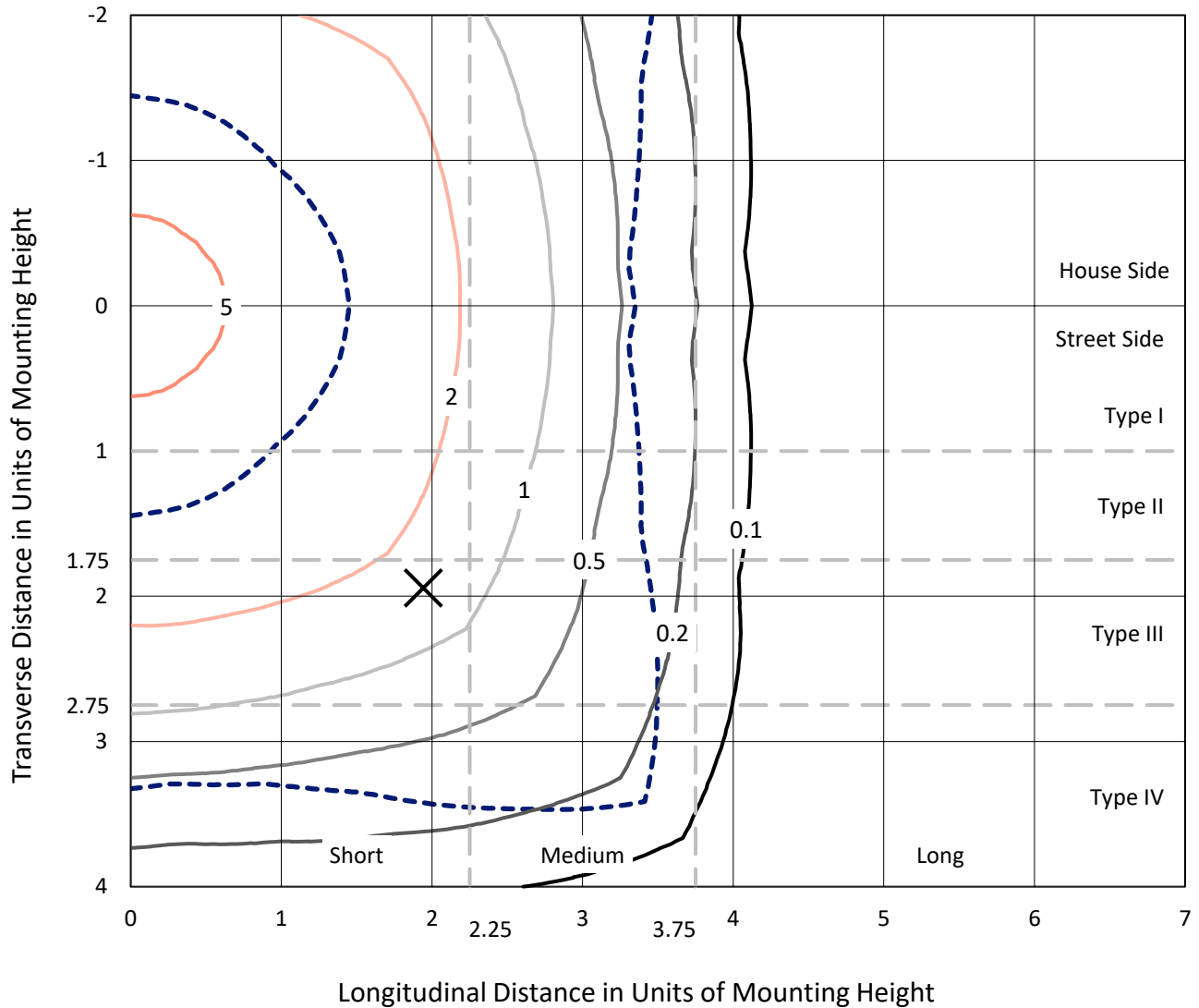
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

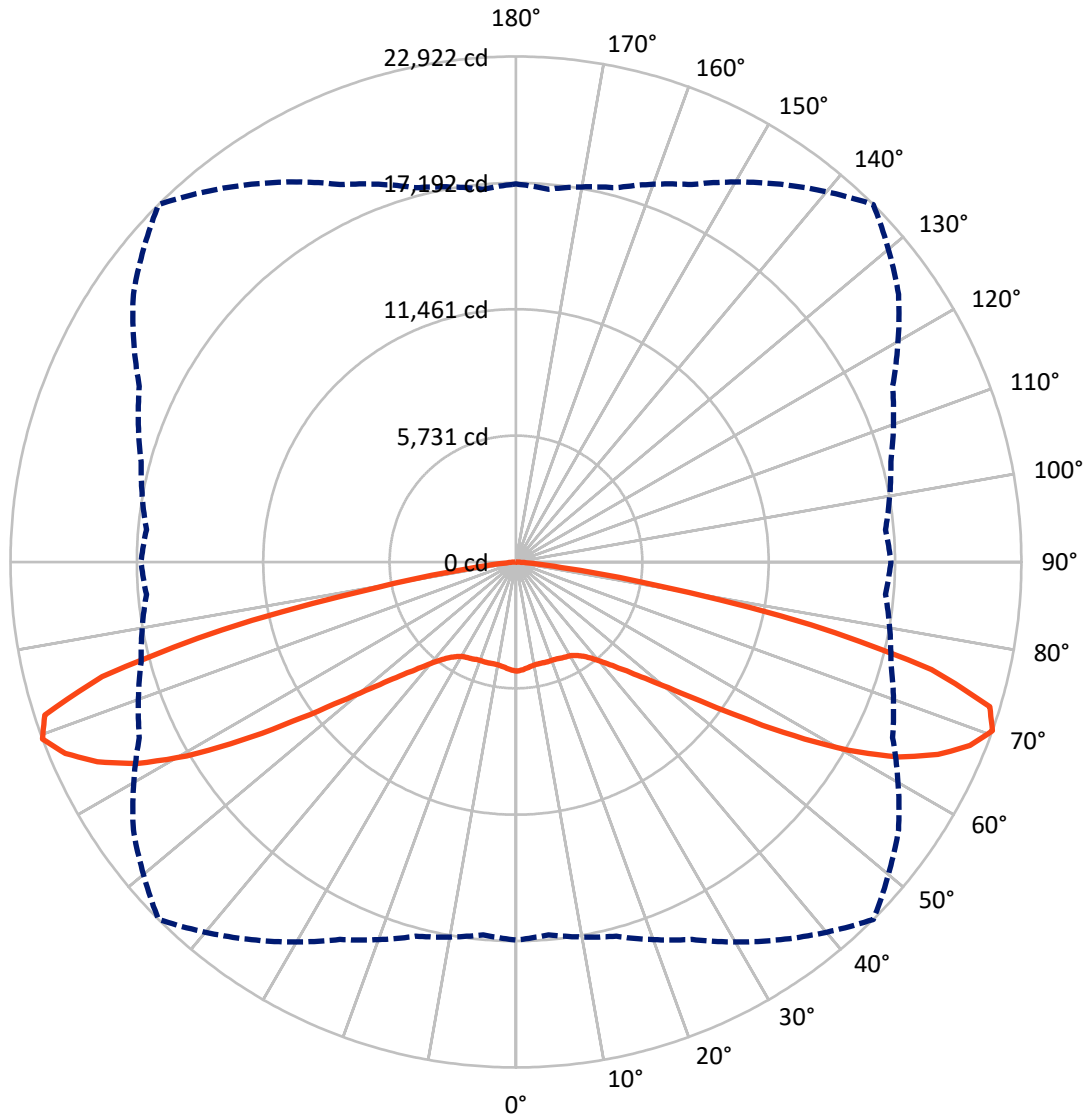
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	27138.5	0.0	27138.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27138.5	0.0	27138.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54277.0	0.0	54277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.6	0.8
10°-20°	1352.4	2.5
20°-30°	2250.5	4.1
30°-40°	3403.5	6.3
40°-50°	5655.8	10.4
50°-60°	10672.2	19.7
60°-70°	18020.4	33.2
70°-80°	11841.3	21.8
80°-90°	620.4	1.1
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°	54277.0	100.0
0°-180°	54277.0	100.0

Coefficient of Utilization



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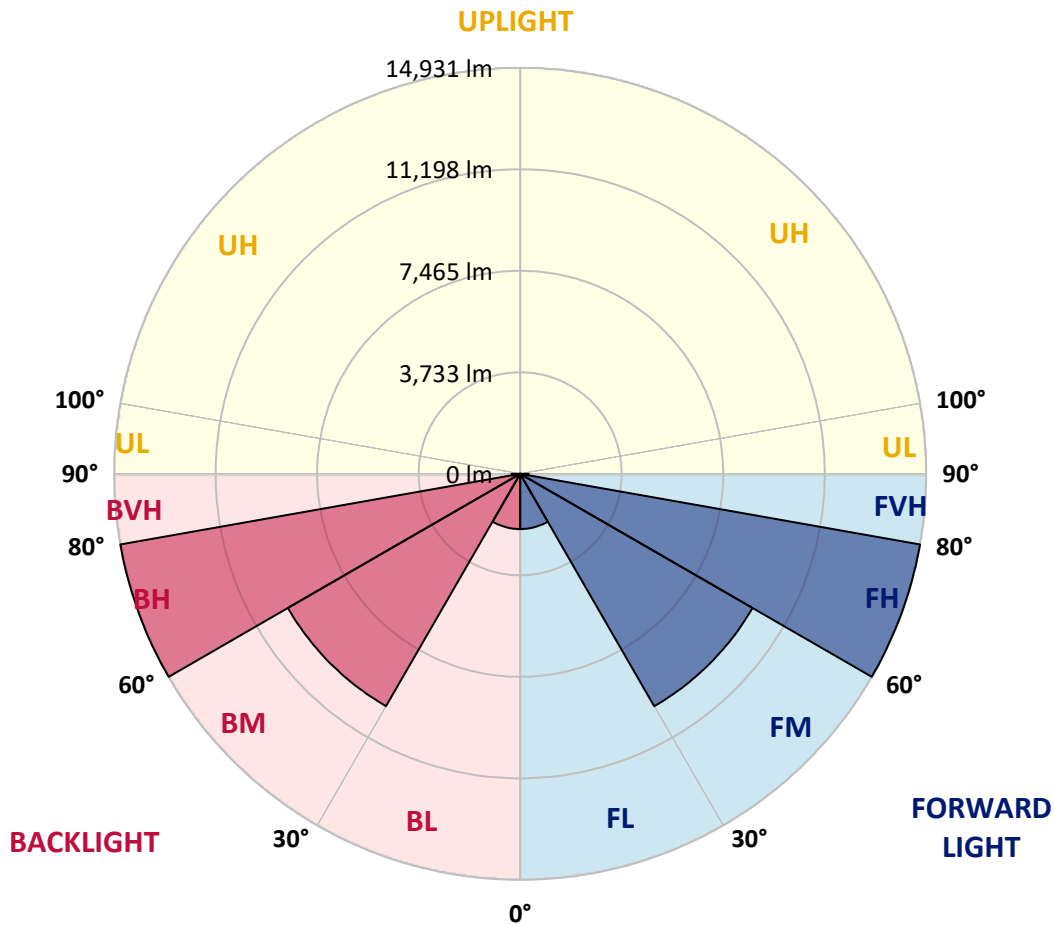
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.7	3.7			
FM (30°-60°)	9865.7	18.2			
FH (60°-80°)	14930.9	27.5			G5
FVH (80°-90°)	310.2	0.6			G3/500
BL (0°-30°)	2031.7	3.7	B3/2500		
BM (30°-60°)	9865.7	18.2	B5		
BH (60°-80°)	14930.9	27.5	B5		G5
BVH (80°-90°)	310.2	0.6			G3/500
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°	4951.2	4951.2	4951.2	4951.2	4951.2	4951.2	4951.2	4951.2	4951.2	4951.2
2.5°	4920.1	4934.2	4928.6	4917.3	4917.3	4908.8	4917.3	4922.9	4931.4	4937.0
5°	4855.2	4866.5	4863.7	4855.2	4858.1	4849.6	4855.2	4863.7	4869.3	4872.2
7.5°	4798.8	4810.1	4804.5	4790.3	4790.3	4781.9	4784.7	4793.2	4801.6	4804.5
10°	4784.7	4796.0	4779.1	4756.5	4748.0	4736.7	4739.6	4748.0	4765.0	4773.4
12.5°	4790.3	4798.8	4781.9	4748.0	4739.6	4728.3	4728.3	4736.7	4759.3	4770.6
15°	4807.3	4815.7	4790.3	4753.7	4745.2	4736.7	4733.9	4745.2	4770.6	4790.3
17.5°	4838.3	4846.8	4807.3	4756.5	4745.2	4748.0	4745.2	4753.7	4793.2	4829.8
20°	4866.5	4872.2	4818.6	4756.5	4745.2	4748.0	4745.2	4762.1	4812.9	4863.7
22.5°	4875.0	4880.6	4829.8	4776.2	4767.8	4770.6	4767.8	4784.7	4832.7	4883.4
25°	4877.8	4886.3	4846.8	4804.5	4818.6	4824.2	4818.6	4821.4	4858.1	4903.2
27.5°	4920.1	4931.4	4894.7	4858.1	4866.5	4863.7	4872.2	4880.6	4908.8	4954.0
30°	5007.6	5016.0	4985.0	4948.3	4942.7	4922.9	4948.3	4976.5	5007.6	5047.1
32.5°	5151.5	5168.4	5128.9	5089.4	5064.0	5052.7	5072.5	5120.4	5162.7	5205.1
35°	5391.3	5402.5	5365.9	5292.5	5247.4	5247.4	5264.3	5326.4	5394.1	5447.7
37.5°	5729.8	5743.9	5679.0	5591.6	5523.9	5523.9	5546.4	5611.3	5712.9	5789.0
40°	6141.7	6161.4	6079.6	5989.3	5924.5	5913.2	5941.4	6014.7	6110.7	6206.6
42.5°	6638.2	6660.8	6553.6	6474.6	6423.8	6423.8	6437.9	6505.6	6593.1	6711.6
45°	7273.0	7312.5	7165.8	7086.8	7038.8	7050.1	7058.6	7117.8	7196.8	7332.2
47.5°	8029.1	8068.5	7913.4	7831.6	7823.1	7876.7	7842.9	7885.2	7927.5	8082.7
50°	8886.7	8954.4	8847.2	8841.6	8858.5	8957.2	8878.2	8900.8	8852.8	8951.6
52.5°	9936.2	10034.9	10015.2	10049.0	10238.0	10441.2	10260.6	10181.6	10001.1	10032.1
55°	11208.5	11358.0	11386.2	11589.4	12018.2	12432.9	12049.2	11730.4	11346.7	11276.2
57.5°	12655.8	12774.3	12909.7	13324.4	14125.6	14861.9	14125.6	13420.3	12816.6	12672.7
60°	14213.1	14359.8	14489.5	15101.7	16292.3	17327.6	16269.7	15149.7	14351.3	14156.6
62.5°	15886.0	16075.0	16165.3	16845.2	18233.2	19468.9	18253.0	16896.0	16010.1	15801.4
65°	17491.3	17646.4	17748.0	18473.0	19799.0	21037.5	19889.3	18552.0	17640.8	17367.1
67.5°	18238.9	18323.5	18571.8	19392.7	20792.0	22205.4	21029.0	19480.2	18461.7	17982.1
70°	17144.3	16972.2	17570.3	18884.9	20910.5	22922.0	21181.4	18845.4	17598.5	16819.8
72.5°	13248.2	12952.0	13990.2	16238.7	19556.4	22465.0	19691.8	16365.6	14636.2	13056.4
75°	7208.1	6872.4	8305.5	11149.3	15595.4	19471.7	15953.7	11468.1	9247.8	7154.5
77.5°	2034.1	1907.1	3063.8	5394.1	9380.4	13671.4	9741.5	5512.6	3633.7	2155.4
80°	623.5	603.7	818.1	1625.0	3983.5	6547.9	3828.3	1644.7	1041.0	657.3
82.5°	369.6	338.5	406.2	592.4	1015.6	2056.6	987.4	617.8	496.5	332.9
85°	211.6	197.5	239.8	287.8	341.4	437.3	284.9	293.4	265.2	177.7
87.5°	87.5	79.0	93.1	90.3	79.0	101.6	76.2	90.3	107.2	70.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4951.2
4934.2
4872.2
4804.5
4773.4
4773.4
4793.2
4829.8
4866.5
4883.4
4900.4
4942.7
5038.6
5188.1
5427.9
5760.8
6175.5
6703.1
7326.6
8037.5
8892.3
9927.7
11166.2
12571.1
13987.4
15632.1
17231.7
17987.8
17006.0
13448.5
7620.0
2395.2
694.0
361.1
186.2
64.9
0.0

OF REPORT)