

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: P953294

Luminaire Tested: **GALN-SB6D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39360 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

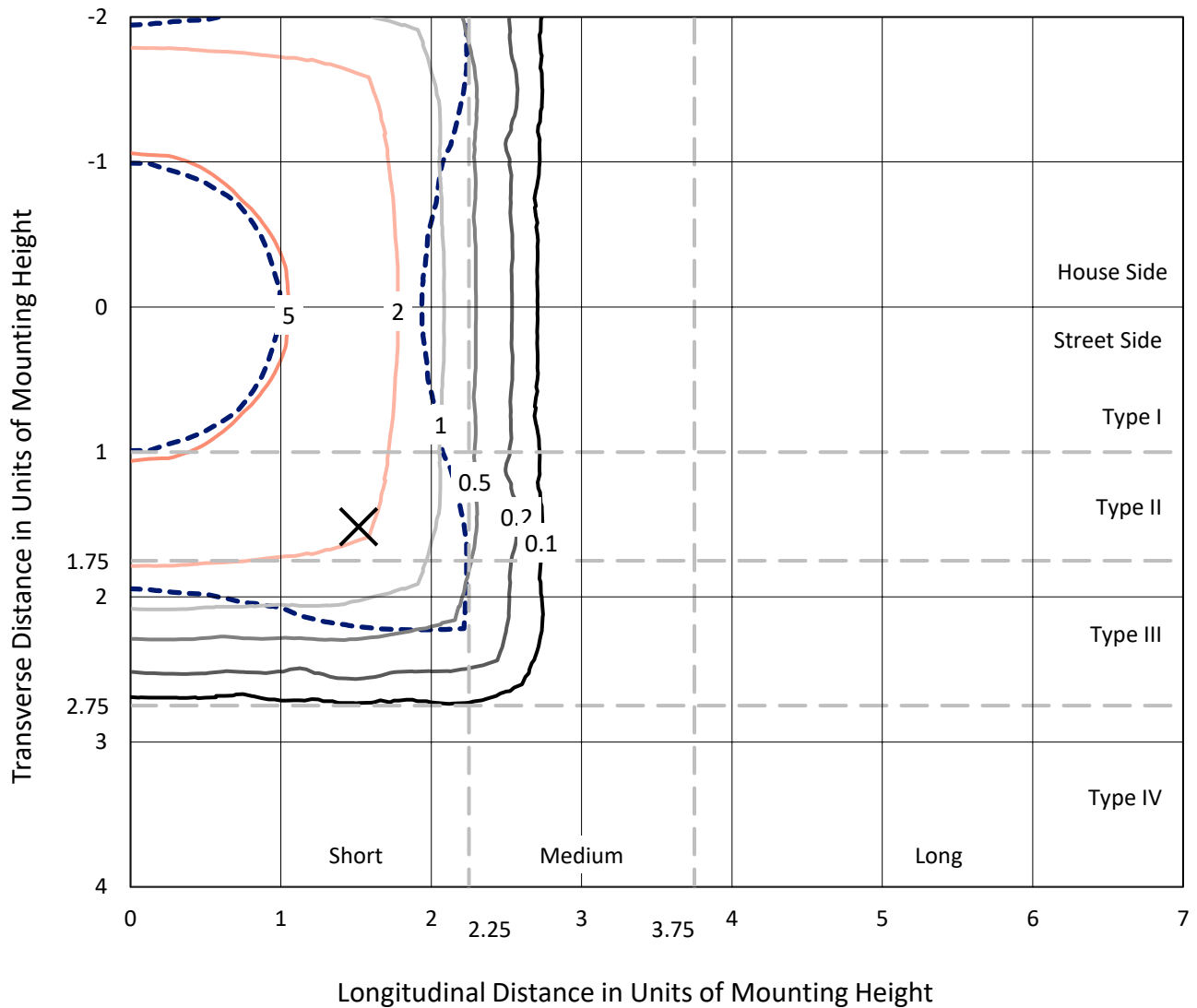
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

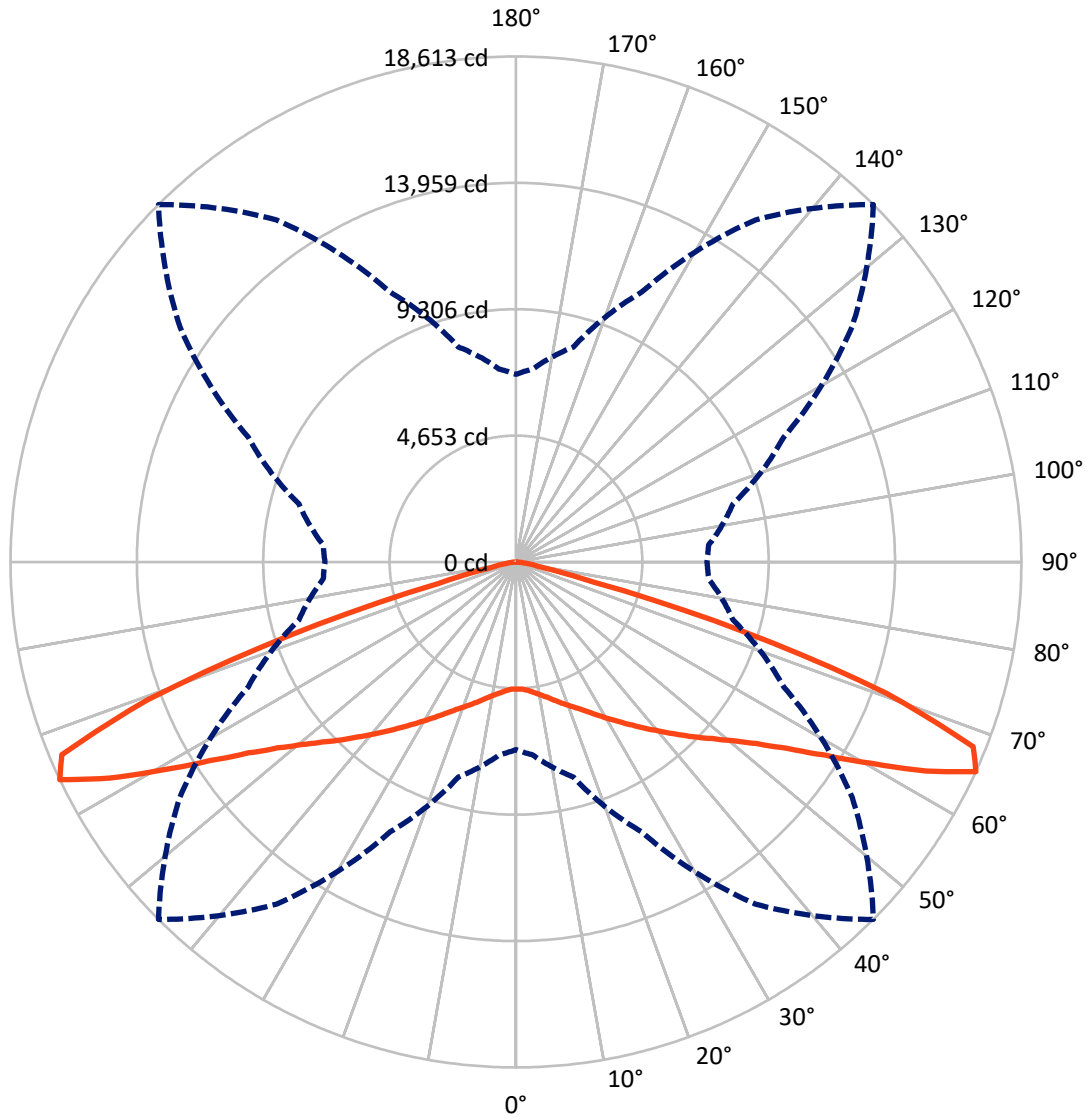
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19680.0	0.0	19680.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19680.0	0.0	19680.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39360.0	0.0	39360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.3	1.2
10°-20°	1508.5	3.8
20°-30°	2848.2	7.2
30°-40°	4663.8	11.8
40°-50°	7231.3	18.4
50°-60°	10682.1	27.1
60°-70°	10168.4	25.8
70°-80°	1640.8	4.2
80°-90°	154.7	0.4
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°	39360.0	100.0
0°-180°	39360.0	100.0

Coefficient of Utilization



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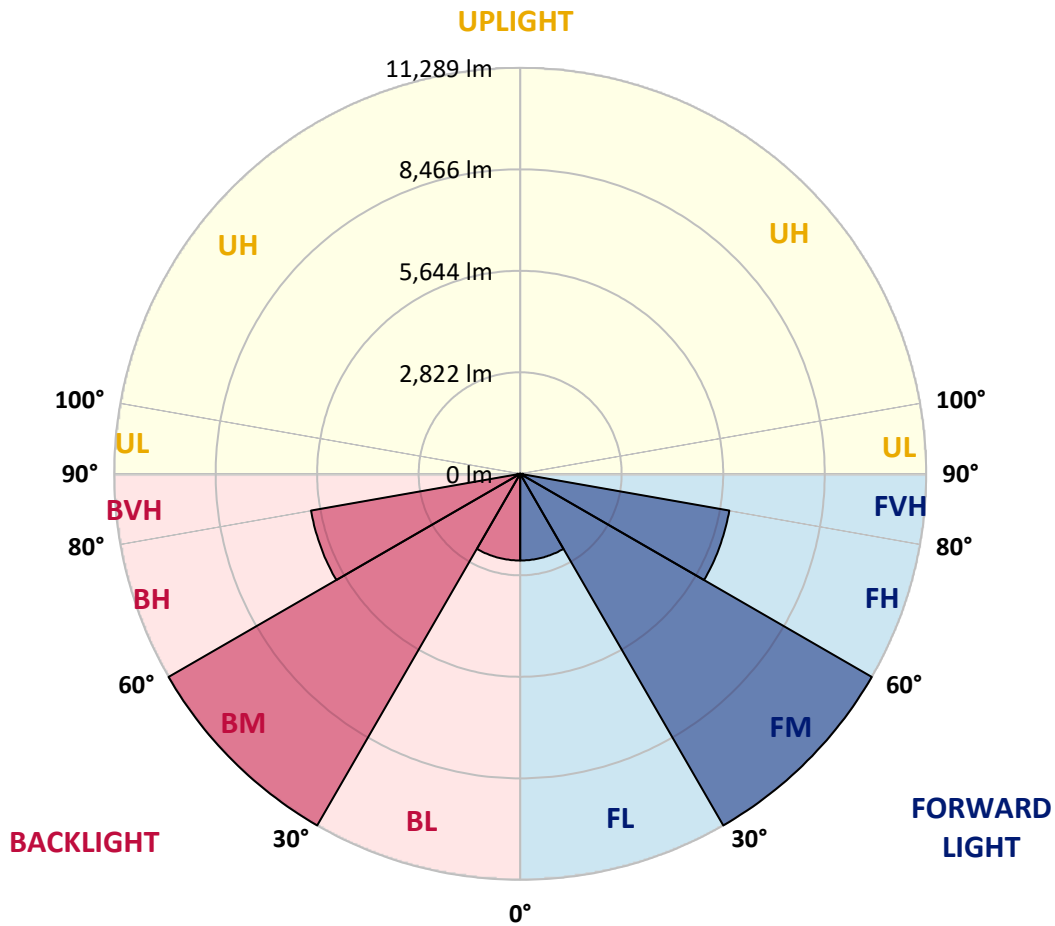
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2409.5	6.1			
FM (30°-60°)	11288.6	28.7			
FH (60°-80°)	5904.6	15.0			G3/7500
FVH (80°-90°)	77.3	0.2			G1/100
BL (0°-30°)	2409.5	6.1	B3/2500		
BM (30°-60°)	11288.6	28.7	B5		
BH (60°-80°)	5904.6	15.0	B5		G3/7500
BVH (80°-90°)	77.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4684.2	4684.2	4684.2	4684.2	4684.2	4684.2	4684.2	4684.2	4684.2	4684.2
2.5°	4715.8	4700.0	4711.9	4702.0	4694.1	4686.2	4690.2	4704.0	4709.9	4711.9
5°	4779.0	4765.2	4771.1	4771.1	4757.3	4753.4	4755.3	4765.2	4777.0	4777.0
7.5°	4881.7	4867.9	4881.7	4873.8	4862.0	4858.0	4856.0	4863.9	4881.7	4881.7
10°	5006.1	4990.3	4998.2	4994.3	4980.5	4974.5	4972.6	4984.4	5000.2	4998.2
12.5°	5142.4	5124.6	5134.5	5122.6	5118.7	5112.8	5112.8	5110.8	5120.7	5112.8
15°	5294.4	5282.6	5286.5	5278.6	5284.6	5280.6	5264.8	5256.9	5260.9	5249.0
17.5°	5474.2	5446.5	5460.3	5456.4	5456.4	5464.3	5438.6	5428.7	5436.6	5424.8
20°	5681.5	5653.9	5659.8	5651.9	5642.0	5649.9	5618.3	5626.2	5632.1	5624.2
22.5°	5908.6	5873.1	5871.1	5875.0	5853.3	5855.3	5833.6	5853.3	5865.2	5843.4
25°	6141.6	6104.1	6129.8	6119.9	6092.3	6098.2	6082.4	6102.1	6112.0	6084.4
27.5°	6388.5	6362.8	6386.5	6392.4	6358.9	6382.6	6358.9	6376.6	6386.5	6345.0
30°	6676.8	6651.1	6672.9	6688.7	6649.2	6686.7	6666.9	6678.8	6680.8	6631.4
32.5°	6990.8	6951.3	7006.6	7014.5	6971.1	7016.5	6990.8	7006.6	7016.5	6949.3
35°	7373.9	7324.5	7387.7	7377.9	7340.3	7377.9	7354.2	7377.9	7401.6	7320.6
37.5°	7786.6	7735.3	7802.4	7784.7	7749.1	7774.8	7761.0	7776.8	7814.3	7727.4
40°	8240.9	8177.7	8268.5	8236.9	8203.3	8199.4	8207.3	8217.2	8266.5	8169.8
42.5°	8726.7	8659.5	8795.8	8746.4	8699.0	8667.4	8693.1	8712.8	8760.2	8651.6
45°	9281.6	9204.6	9382.3	9323.0	9248.0	9182.8	9224.3	9253.9	9323.0	9192.7
47.5°	9893.8	9806.9	9996.5	9978.7	9856.2	9714.1	9808.8	9893.8	9945.1	9787.1
50°	10492.1	10425.0	10673.8	10695.5	10545.5	10346.0	10478.3	10606.7	10620.5	10413.1
52.5°	11053.0	10985.8	11347.2	11483.5	11349.2	11112.2	11252.4	11382.8	11278.1	11009.5
55°	11501.3	11446.0	11906.1	12257.6	12303.0	12107.5	12190.5	12186.5	11842.9	11430.2
57.5°	11609.9	11602.0	12182.6	12927.1	13401.0	13424.7	13260.8	12842.1	12101.6	11546.7
60°	11116.2	11165.5	11963.4	13276.6	14540.5	15065.8	14356.8	13162.1	11807.3	11037.2
62.5°	9639.0	9769.4	10731.1	12850.0	15460.7	16953.7	15235.6	12676.3	10598.8	9593.6
65°	6907.9	7135.0	8197.4	10966.1	15377.8	18612.5	15109.2	10877.2	8276.4	7117.2
67.5°	3134.0	3365.1	4267.6	7508.2	13367.4	18162.3	13335.8	7587.2	4480.8	3376.9
70°	1135.5	1175.0	1465.3	3005.7	8543.0	14471.4	8908.3	3027.4	1558.1	1252.0
72.5°	687.2	693.2	754.4	1076.3	2968.1	8785.9	3094.5	1111.8	770.2	683.3
75°	436.4	432.5	537.1	657.6	1052.6	2964.2	1103.9	657.6	535.2	487.8
77.5°	314.0	323.9	385.1	491.7	663.5	1005.2	651.7	470.0	385.1	316.0
80°	235.0	240.9	280.4	383.1	466.1	626.0	414.7	347.6	290.3	197.5
82.5°	169.8	169.8	183.7	278.4	284.4	337.7	225.1	244.9	191.6	140.2
85°	100.7	98.7	114.5	165.9	148.1	124.4	102.7	150.1	120.5	86.9
87.5°	35.5	37.5	35.5	47.4	39.5	33.6	31.6	41.5	33.6	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4684.2
4711.9
4777.0
4875.8
4994.3
5116.7
5251.0
5434.7
5642.0
5865.2
6116.0
6376.6
6661.0
6994.8
7370.0
7780.7
8201.4
8708.9
9259.9
9840.4
10438.8
11017.4
11444.0
11511.1
10946.3
9534.4
7032.3
3327.5
1236.2
695.1
491.7
321.9
203.4
140.2
84.9
27.6
0.0

OF REPORT)