

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: P954722

Luminaire Tested: **GALN-SB7D-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954722  
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-SB7D-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

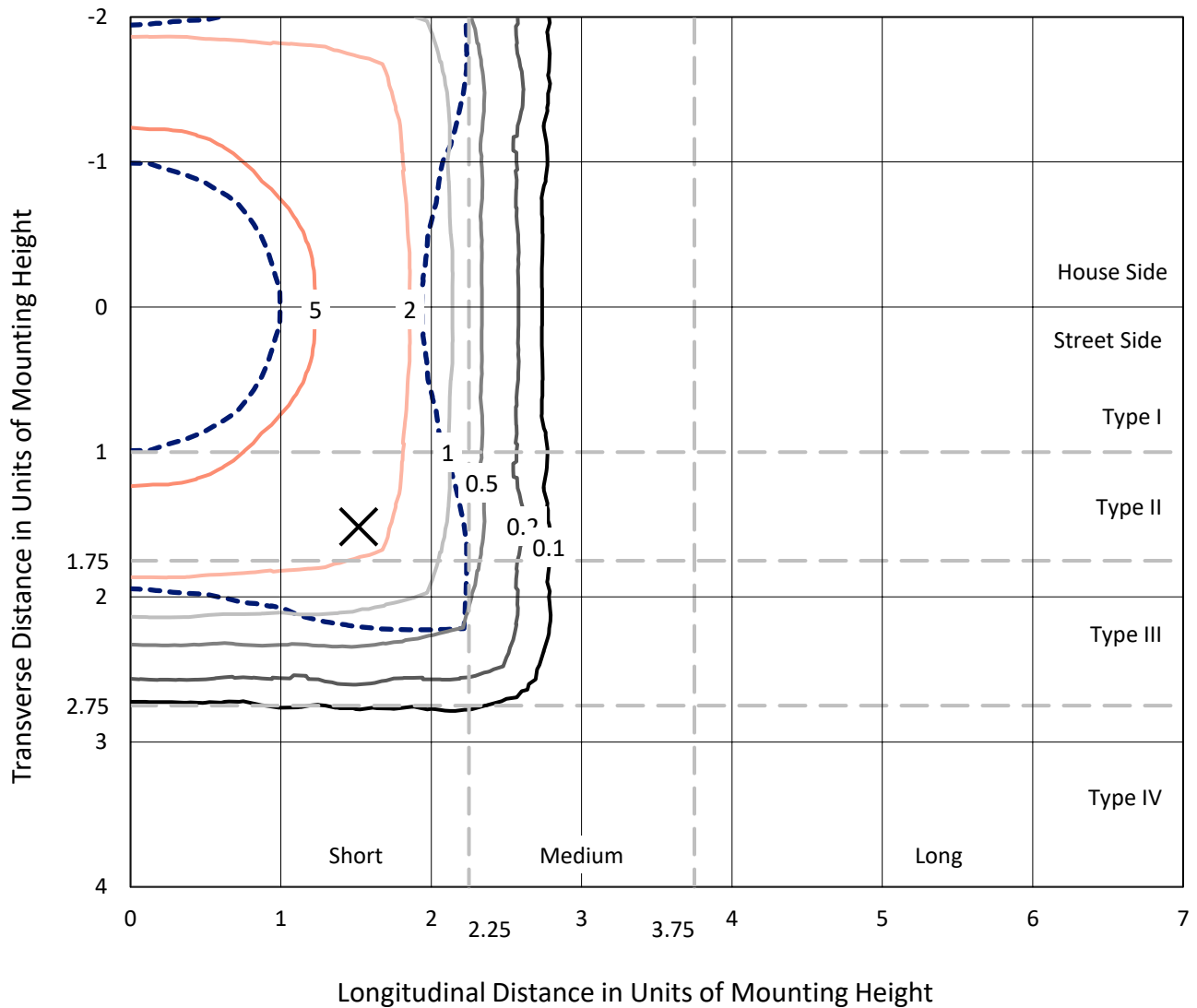
Lumens per Lamp: N/A  
Luminaire Lumens: 46160 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

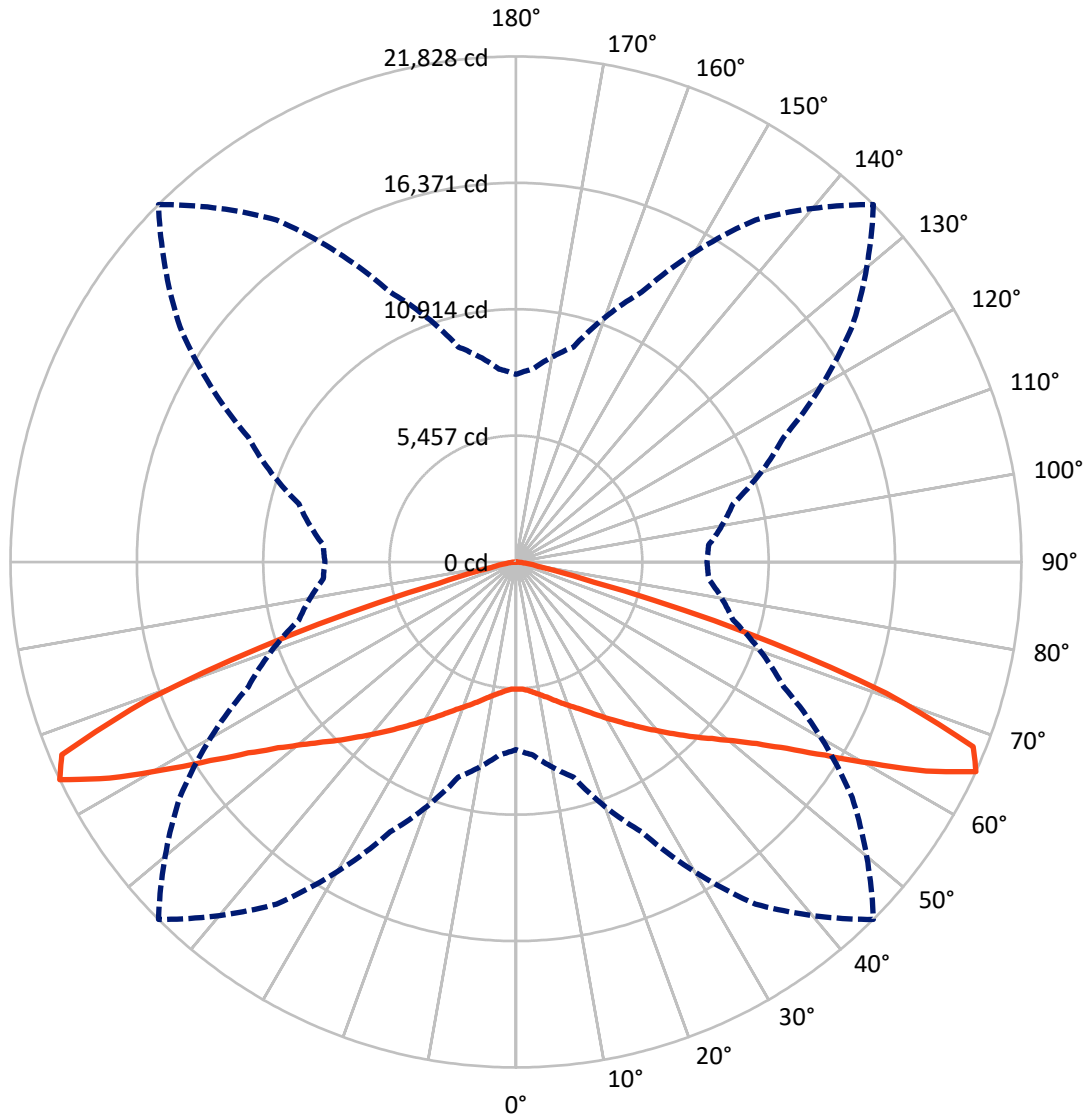
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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
<b>House Side</b>	Lumens	23080.0	0.0	23080.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23080.0	0.0	23080.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46160.0	0.0	46160.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.2	1.2
10°-20°	1769.1	3.8
20°-30°	3340.3	7.2
30°-40°	5469.5	11.8
40°-50°	8480.6	18.4
50°-60°	12527.6	27.1
60°-70°	11925.1	25.8
70°-80°	1924.3	4.2
80°-90°	181.4	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°	46160.0	100.0
0°-180°	46160.0	100.0

**Coefficient of Utilization**



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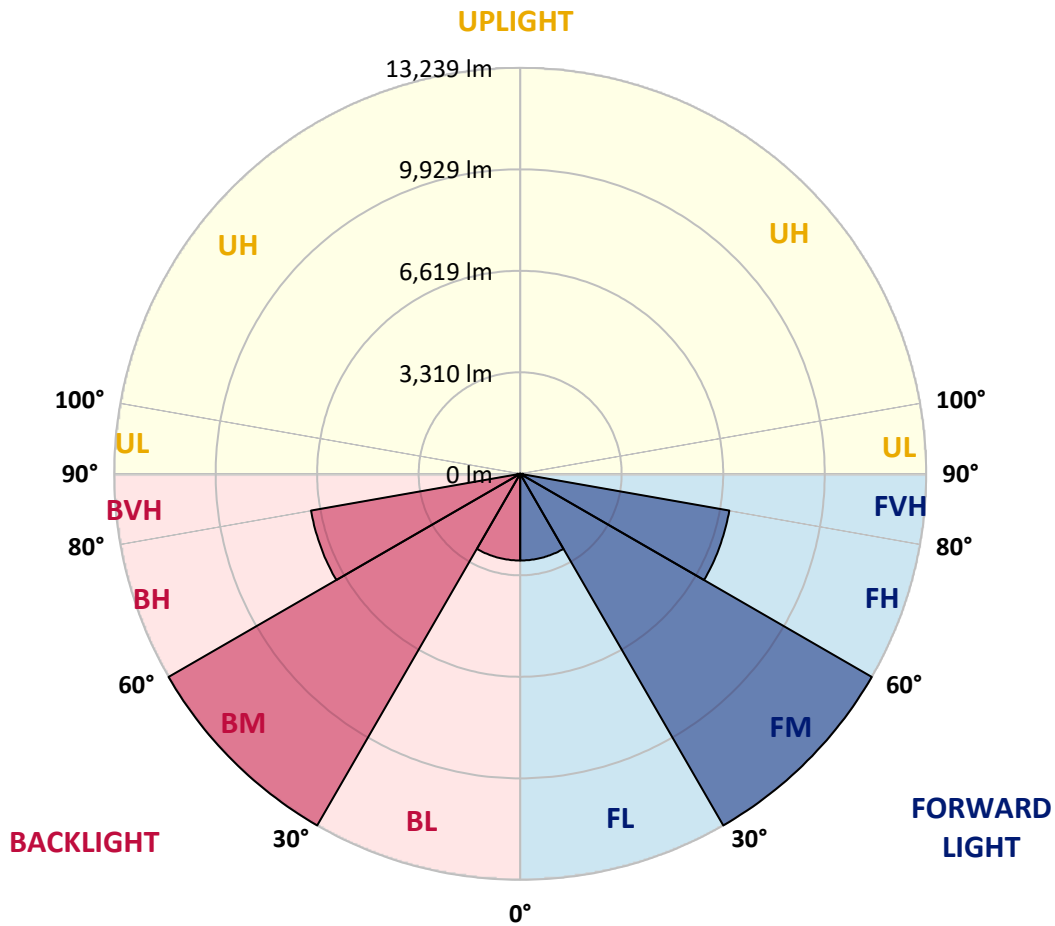
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2825.8	6.1			
FM (30°-60°)	13238.9	28.7			
FH (60°-80°)	6924.7	15.0			G3/7500
FVH (80°-90°)	90.7	0.2			G1/100
BL (0°-30°)	2825.8	6.1	B4/5000		
BM (30°-60°)	13238.9	28.7	B5		
BH (60°-80°)	6924.7	15.0	B5		G3/7500
BVH (80°-90°)	90.7	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°	5493.5	5493.5	5493.5	5493.5	5493.5	5493.5	5493.5	5493.5	5493.5	5493.5
2.5°	5530.6	5512.0	5525.9	5514.3	5505.1	5495.8	5500.4	5516.7	5523.6	5525.9
5°	5604.7	5588.5	5595.4	5595.4	5579.2	5574.6	5576.9	5588.5	5602.4	5602.4
7.5°	5725.1	5708.9	5725.1	5715.8	5701.9	5697.3	5695.0	5704.3	5725.1	5725.1
10°	5871.0	5852.5	5861.7	5857.1	5840.9	5834.0	5831.6	5845.5	5864.1	5861.7
12.5°	6030.8	6010.0	6021.5	6007.6	6003.0	5996.1	5996.1	5993.8	6005.3	5996.1
15°	6209.1	6195.2	6199.9	6190.6	6197.6	6192.9	6174.4	6165.1	6169.8	6155.9
17.5°	6419.9	6387.5	6403.7	6399.0	6399.0	6408.3	6378.2	6366.6	6375.9	6362.0
20°	6663.1	6630.6	6637.6	6628.3	6616.8	6626.0	6589.0	6598.2	6605.2	6595.9
22.5°	6929.4	6887.7	6885.4	6890.0	6864.6	6866.9	6841.4	6864.6	6878.5	6853.0
25°	7202.7	7158.7	7188.8	7177.2	7144.8	7151.7	7133.2	7156.4	7168.0	7135.5
27.5°	7492.2	7462.1	7489.9	7496.8	7457.5	7485.2	7457.5	7478.3	7489.9	7441.2
30°	7830.3	7800.2	7825.7	7844.2	7797.9	7841.9	7818.7	7832.6	7835.0	7777.1
32.5°	8198.6	8152.2	8217.1	8226.4	8175.4	8228.7	8198.6	8217.1	8228.7	8149.9
35°	8647.9	8590.0	8664.1	8652.5	8608.5	8652.5	8624.7	8652.5	8680.3	8585.3
37.5°	9131.9	9071.7	9150.4	9129.6	9087.9	9118.0	9101.8	9120.3	9164.3	9062.4
40°	9664.6	9590.5	9697.0	9659.9	9620.6	9615.9	9625.2	9636.8	9694.7	9581.2
42.5°	10234.3	10155.6	10315.4	10257.5	10201.9	10164.8	10194.9	10218.1	10273.7	10146.3
45°	10885.1	10794.8	11003.2	10933.7	10845.7	10769.3	10817.9	10852.7	10933.7	10780.9
47.5°	11603.1	11501.2	11723.5	11702.6	11559.1	11392.3	11503.5	11603.1	11663.3	11478.0
50°	12304.8	12226.1	12517.9	12543.3	12367.3	12133.4	12288.6	12439.1	12455.3	12212.2
52.5°	12962.5	12883.8	13307.6	13467.4	13309.9	13032.0	13196.4	13349.3	13226.6	12911.6
55°	13488.3	13423.4	13963.0	14375.3	14428.5	14199.3	14296.5	14291.9	13888.9	13404.9
57.5°	13615.6	13606.4	14287.3	15160.4	15716.2	15744.0	15551.8	15060.8	14192.3	13541.5
60°	13036.6	13094.5	14030.2	15570.3	17052.6	17668.6	16837.2	15436.0	13847.2	12944.0
62.5°	11304.3	11457.1	12585.0	15070.1	18131.8	19882.7	17867.8	14866.3	12429.9	11251.0
65°	8101.3	8367.6	9613.6	12860.6	18034.5	21828.1	17719.6	12756.4	9706.3	8346.8
67.5°	3675.5	3946.4	5004.8	8805.4	15676.9	21300.1	15639.8	8898.0	5255.0	3960.3
70°	1331.7	1378.0	1718.5	3524.9	10018.9	16971.5	10447.4	3550.4	1827.3	1468.3
72.5°	806.0	812.9	884.7	1262.2	3480.9	10303.8	3629.1	1303.9	903.2	801.3
75°	511.8	507.2	629.9	771.2	1234.4	3476.3	1294.6	771.2	627.6	572.0
77.5°	368.2	379.8	451.6	576.7	778.2	1178.8	764.3	551.2	451.6	370.6
80°	275.6	282.5	328.9	449.3	546.6	734.2	486.4	407.6	340.4	231.6
82.5°	199.2	199.2	215.4	326.6	333.5	396.0	264.0	287.2	224.6	164.4
85°	118.1	115.8	134.3	194.5	173.7	145.9	120.4	176.0	141.3	101.9
87.5°	41.7	44.0	41.7	55.6	46.3	39.4	37.1	48.6	39.4	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5493.5
5525.9
5602.4
5718.2
5857.1
6000.7
6158.2
6373.6
6616.8
6878.5
7172.6
7478.3
7811.8
8203.2
8643.2
9125.0
9618.3
10213.5
10859.6
11540.5
12242.3
12920.8
13421.1
13499.8
12837.5
11181.5
8247.2
3902.4
1449.8
815.2
576.7
377.5
238.5
164.4
99.6
32.4
0.0

OF REPORT)