

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: P956153

Luminaire Tested: **GALN-SB8D-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8D-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

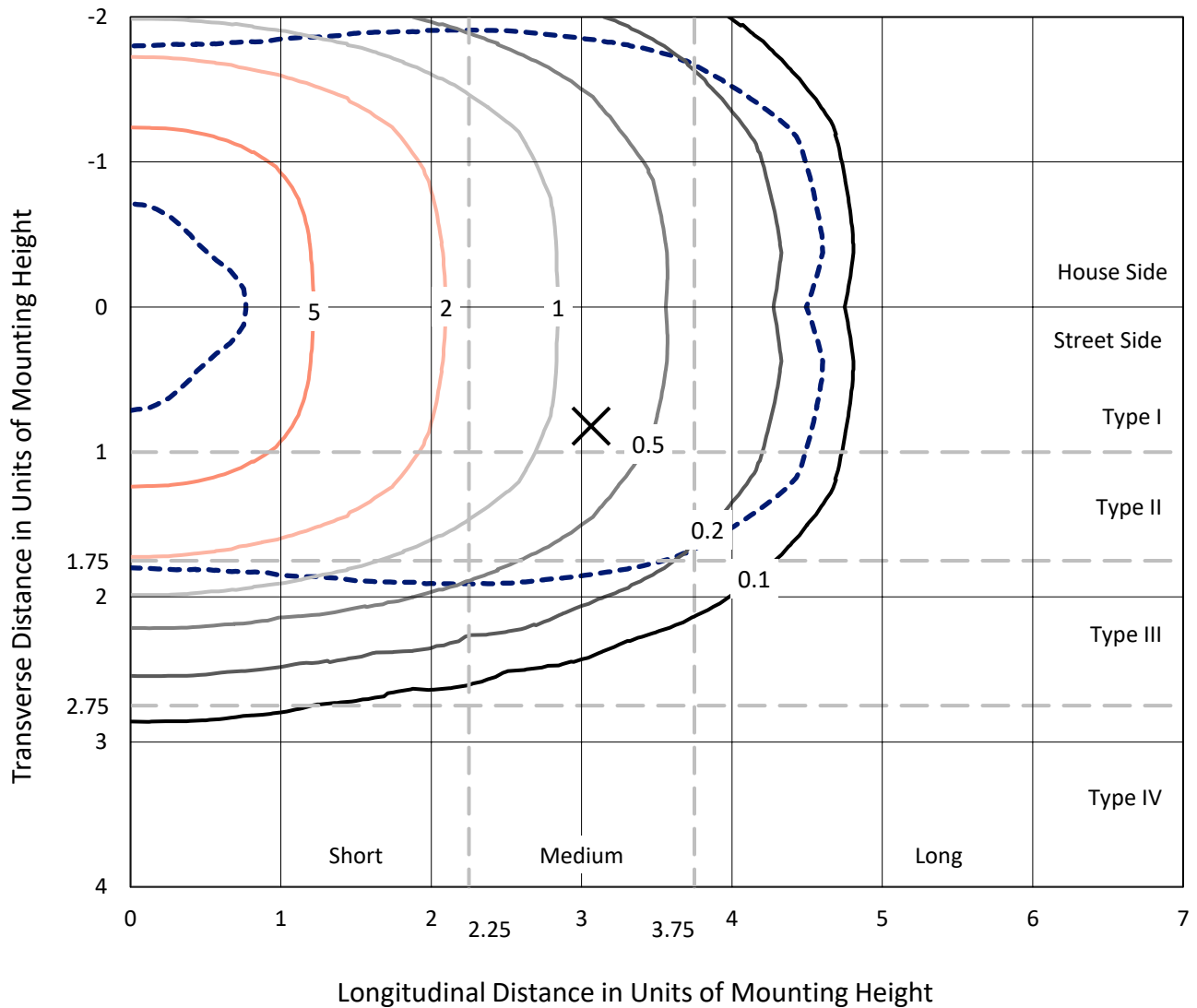
Lumens per Lamp: N/A  
Luminaire Lumens: 51577 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

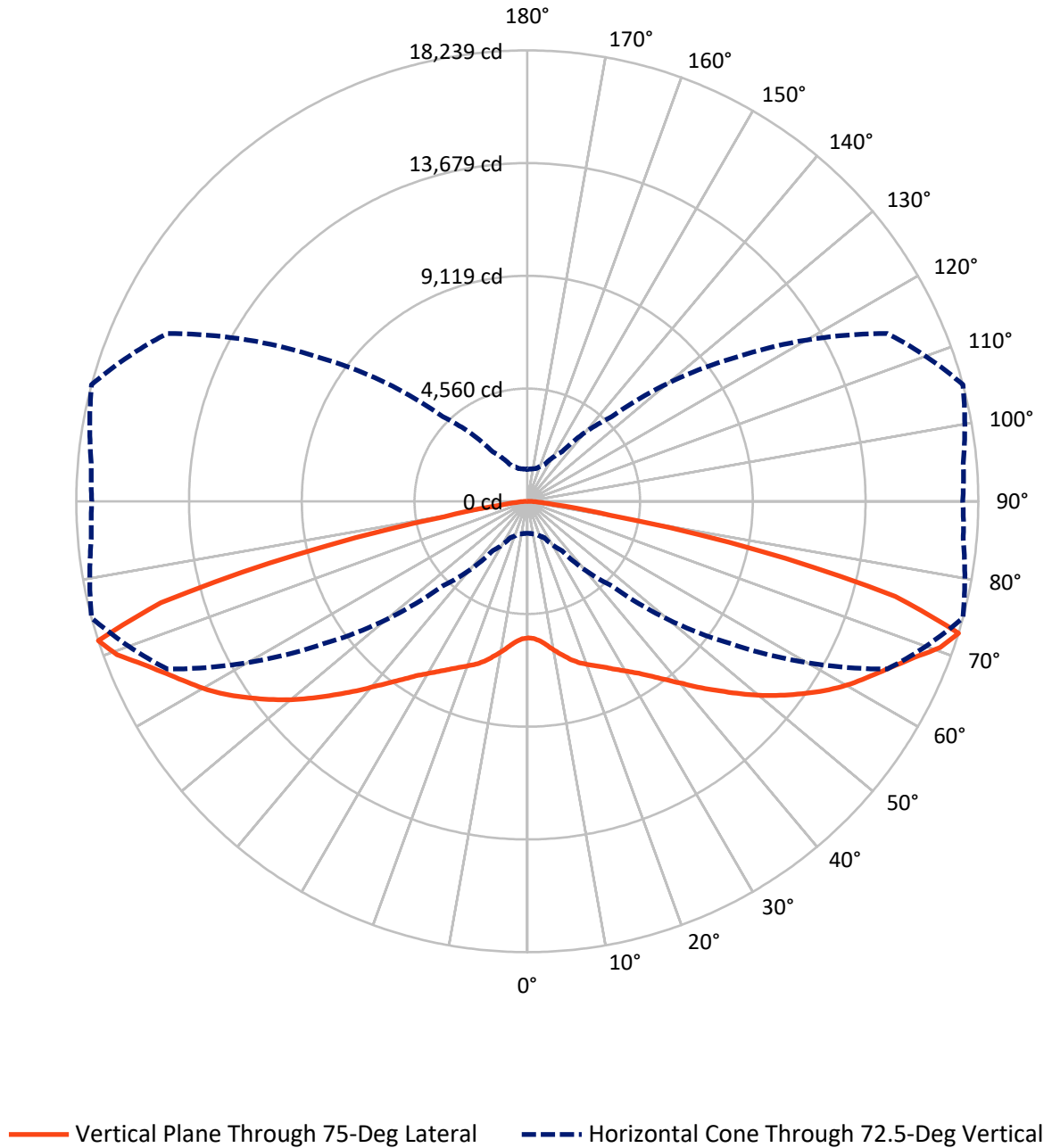
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25788.5	0.0	25788.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25788.5	0.0	25788.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51577.0	0.0	51577.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.2	1.0
10°-20°	1785.0	3.5
20°-30°	3449.1	6.7
30°-40°	5824.1	11.3
40°-50°	9236.3	17.9
50°-60°	12366.4	24.0
60°-70°	11768.8	22.8
70°-80°	6141.2	11.9
80°-90°	464.9	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°	51577.0	100.0
0°-180°	51577.0	100.0

**Coefficient of Utilization**



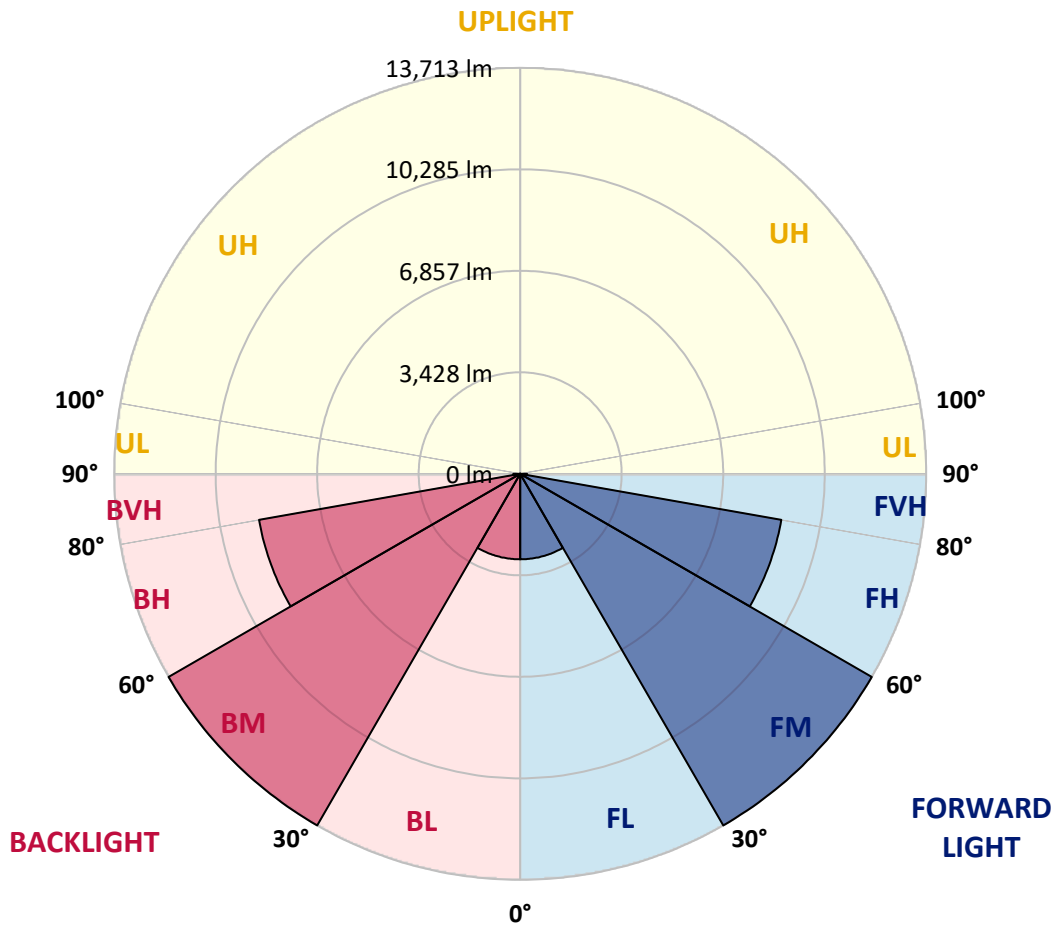
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2887.7	5.6			
FM (30°-60°)	13713.4	26.6			
FH (60°-80°)	8955.0	17.4			G4/12000
FVH (80°-90°)	232.4	0.5			G3/500
BL (0°-30°)	2887.7	5.6	B4/5000		
BM (30°-60°)	13713.4	26.6	B5		
BH (60°-80°)	8955.0	17.4	B5		G5
BVH (80°-90°)	232.4	0.5			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5524.8	5524.8	5524.8	5524.8	5524.8	5524.8	5524.8	5524.8	5524.8	5524.8
2.5°	5524.8	5519.6	5524.8	5530.1	5527.5	5527.5	5540.6	5548.5	5564.3	5561.7
5°	5488.0	5485.3	5506.4	5530.1	5548.5	5580.1	5619.6	5648.6	5685.5	5693.4
7.5°	5469.5	5461.6	5498.5	5540.6	5598.6	5677.6	5753.9	5832.9	5896.1	5917.2
10°	5482.7	5485.3	5535.4	5614.4	5706.5	5817.1	5925.1	6059.4	6148.9	6170.0
12.5°	5543.3	5538.0	5622.3	5748.7	5875.1	6014.6	6141.0	6288.5	6385.9	6436.0
15°	5653.9	5643.3	5761.8	5948.8	6133.1	6296.4	6399.1	6538.7	6651.9	6715.1
17.5°	5785.5	5790.8	5946.2	6188.4	6430.7	6615.0	6712.5	6783.6	6870.5	6925.8
20°	6017.3	6027.8	6201.6	6488.6	6765.1	6975.8	7054.8	7028.5	7052.2	7094.3
22.5°	6328.0	6333.3	6528.1	6838.9	7128.5	7360.3	7412.9	7305.0	7239.1	7268.1
25°	6688.8	6723.0	6917.9	7236.5	7534.1	7755.3	7779.0	7615.7	7452.5	7460.4
27.5°	7128.5	7160.1	7357.6	7673.7	7976.5	8168.7	8166.1	7947.5	7707.9	7647.3
30°	7605.2	7639.4	7842.2	8168.7	8450.5	8619.0	8582.2	8321.5	7979.1	7865.9
32.5°	8171.4	8192.4	8397.8	8724.4	8985.1	9119.4	9043.0	8721.7	8295.1	8166.1
35°	8856.0	8887.6	9040.4	9348.5	9577.6	9688.2	9559.1	9179.9	8700.7	8555.8
37.5°	9638.2	9617.1	9790.9	10064.8	10254.4	10322.8	10146.4	9696.1	9164.1	8993.0
40°	10454.5	10444.0	10633.6	10896.9	10999.6	11041.7	10781.0	10288.6	9698.7	9514.4
42.5°	11194.5	11186.6	11442.0	11734.3	11858.1	11810.7	11481.5	10918.0	10317.6	10106.9
45°	11787.0	11776.5	12089.8	12500.6	12742.9	12663.9	12221.5	11613.2	10944.3	10725.7
47.5°	12242.6	12247.8	12584.9	13093.1	13517.1	13546.1	12977.3	12321.6	11634.2	11386.7
50°	12571.7	12587.5	12948.3	13511.8	14091.2	14346.6	13748.8	13048.4	12347.9	12068.8
52.5°	12653.4	12682.3	13116.8	13777.8	14459.9	14947.0	14533.6	13746.2	13024.7	12758.7
55°	12218.9	12276.8	12827.2	13756.7	14686.3	15342.0	15223.5	14454.6	13706.7	13432.8
57.5°	11220.8	11302.4	11945.0	13159.0	14636.3	15613.3	15758.1	15134.0	14388.8	14125.4
60°	9822.5	9919.9	10536.1	11860.7	13930.6	15713.3	16134.7	15795.0	15015.5	14760.1
62.5°	7713.2	7839.6	8576.9	10130.6	12440.1	15247.2	16456.0	16392.8	15579.0	15260.4
65°	4948.1	5082.4	5859.3	7694.7	10451.9	13820.0	16556.0	16974.7	16174.2	15729.1
67.5°	2983.6	3044.2	3428.7	4663.7	7639.4	11668.5	15708.1	17619.9	16869.4	16316.4
70°	1909.2	1943.4	2172.5	2738.7	4318.7	8513.7	13606.6	17741.0	17712.1	16919.4
72.5°	1295.6	1306.2	1366.7	1622.2	2443.8	4837.5	10035.8	16061.0	18238.8	17696.3
75°	948.0	1005.9	1103.4	1148.2	1387.8	2417.4	5751.3	11284.0	15371.0	15608.0
77.5°	705.7	708.4	842.7	895.3	990.1	1287.7	2433.2	6299.0	9543.3	10020.0
80°	597.8	566.2	563.5	721.5	745.2	803.2	1087.6	2175.2	3418.1	2072.5
82.5°	497.7	463.5	418.7	563.5	508.2	492.4	471.4	884.8	1087.6	534.6
85°	347.6	331.8	316.0	368.7	289.7	247.5	226.5	413.4	458.2	226.5
87.5°	150.1	155.4	158.0	163.3	121.1	86.9	86.9	115.9	115.9	89.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5524.8
5559.1
5693.4
5922.5
6191.1
6457.0
6738.8
6952.1
7125.9
7289.2
7473.5
7665.8
7879.1
8197.7
8576.9
9024.6
9575.0
10159.6
10775.8
11460.4
12153.0
12827.2
13509.2
14186.0
14815.4
15297.3
15784.4
16358.5
16914.2
17612.0
15033.9
8937.7
1566.9
455.6
200.1
65.8
0.0

OF REPORT)