

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: P953906

Luminaire Tested: **GALN-SB7B-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953906  
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-SB7B-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

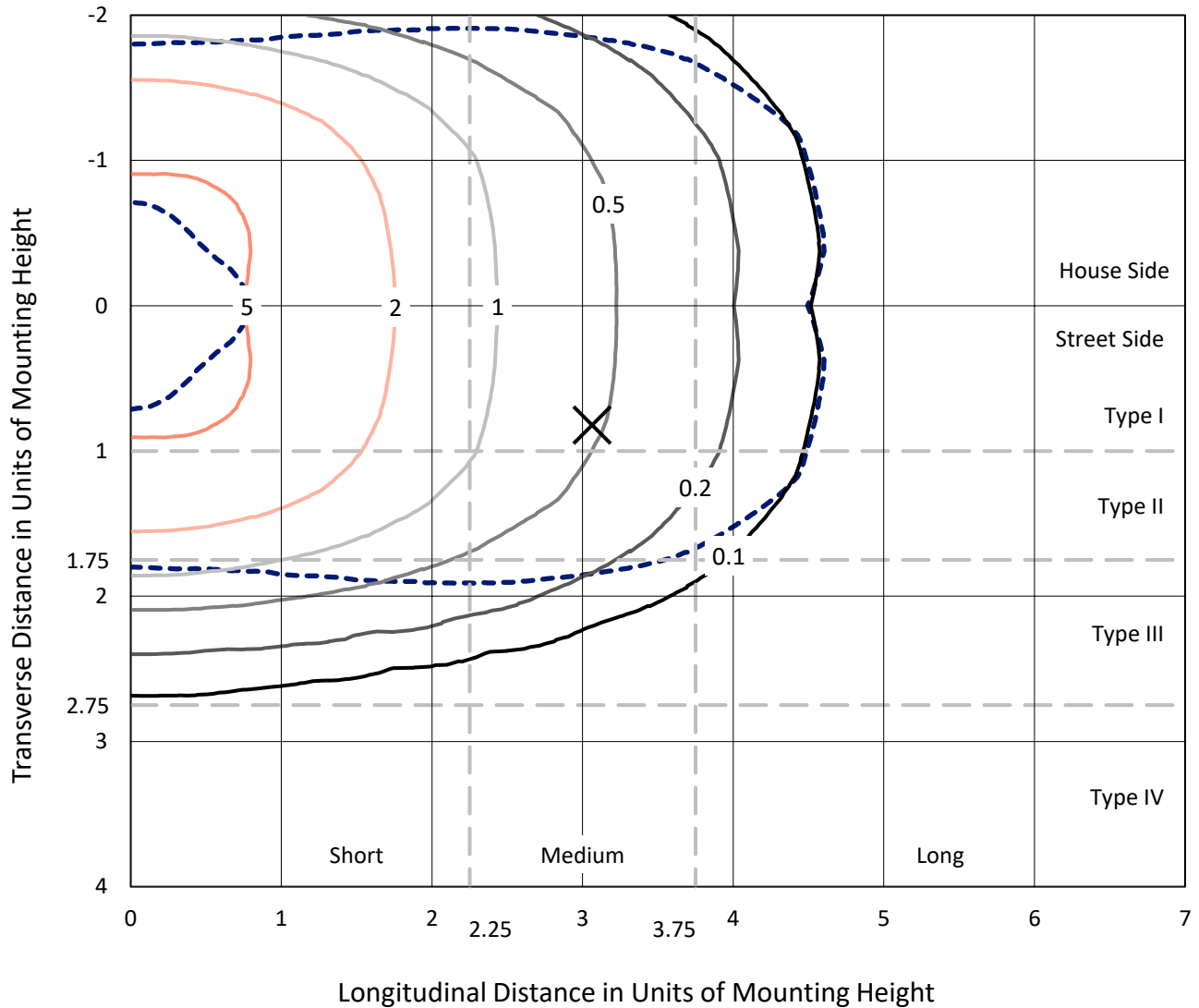
Lumens per Lamp: N/A  
Luminaire Lumens: 35859 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

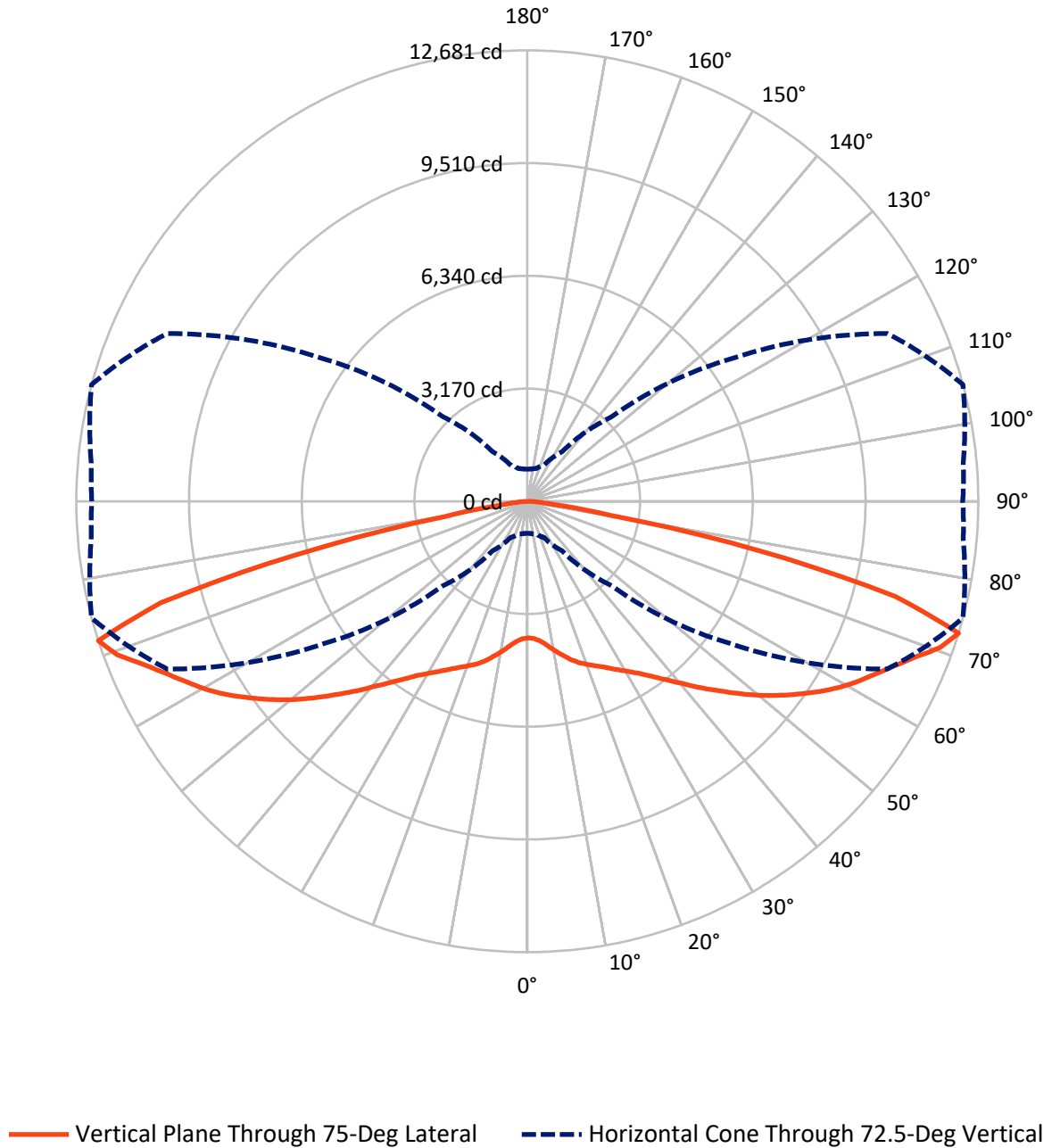
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	17929.5	0.0	17929.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17929.5	0.0	17929.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35859.0	0.0	35859.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.3	1.0
10°-20°	1241.0	3.5
20°-30°	2398.0	6.7
30°-40°	4049.2	11.3
40°-50°	6421.6	17.9
50°-60°	8597.7	24.0
60°-70°	8182.3	22.8
70°-80°	4269.7	11.9
80°-90°	323.2	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°	35859.0	100.0
0°-180°	35859.0	100.0



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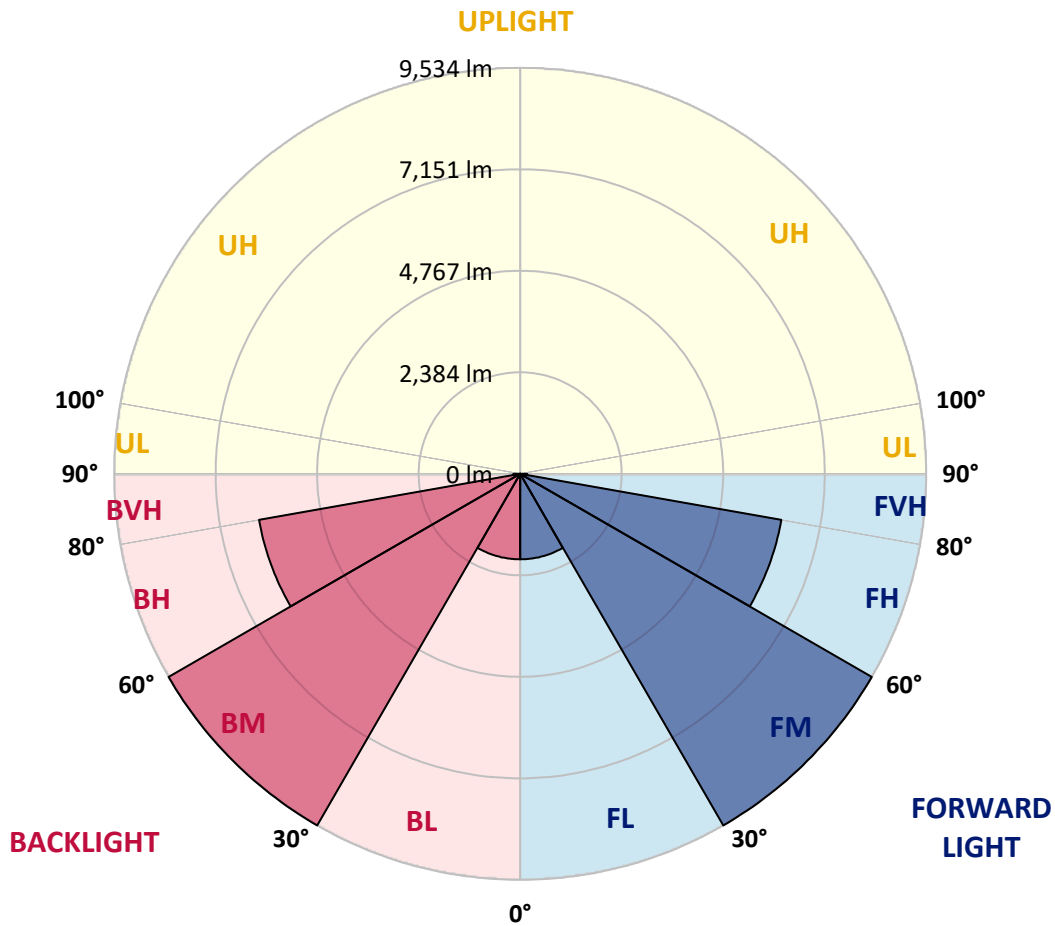
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.7	5.6			
FM (30°-60°)	9534.3	26.6			
FH (60°-80°)	6226.0	17.4			G3/7500
FVH (80°-90°)	161.6	0.5			G2/225
BL (0°-30°)	2007.7	5.6	B3/2500		
BM (30°-60°)	9534.3	26.6	B5		
BH (60°-80°)	6226.0	17.4	B5		G5
BVH (80°-90°)	161.6	0.5			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3841.1	3841.1	3841.1	3841.1	3841.1	3841.1	3841.1	3841.1	3841.1	3841.1
2.5°	3841.1	3837.5	3841.1	3844.8	3843.0	3843.0	3852.1	3857.6	3868.6	3866.8
5°	3815.5	3813.7	3828.3	3844.8	3857.6	3879.6	3907.1	3927.2	3952.8	3958.3
7.5°	3802.7	3797.2	3822.8	3852.1	3892.4	3947.3	4000.4	4055.4	4099.3	4113.9
10°	3811.8	3813.7	3848.5	3903.4	3967.5	4044.4	4119.4	4212.8	4275.1	4289.7
12.5°	3854.0	3850.3	3908.9	3996.8	4084.6	4181.7	4269.6	4372.1	4439.8	4474.6
15°	3930.9	3923.5	4005.9	4135.9	4264.1	4377.6	4449.0	4546.0	4624.7	4668.7
17.5°	4022.4	4026.1	4134.1	4302.5	4471.0	4599.1	4666.9	4716.3	4776.7	4815.2
20°	4183.5	4190.8	4311.7	4511.2	4703.5	4849.9	4904.9	4886.6	4903.0	4932.3
22.5°	4399.6	4403.2	4538.7	4754.7	4956.1	5117.2	5153.9	5078.8	5033.0	5053.2
25°	4650.4	4674.2	4809.7	5031.2	5238.1	5391.9	5408.4	5294.8	5181.3	5186.8
27.5°	4956.1	4978.1	5115.4	5335.1	5545.7	5679.3	5677.5	5525.5	5358.9	5316.8
30°	5287.5	5311.3	5452.3	5679.3	5875.2	5992.4	5966.8	5785.5	5547.5	5468.8
32.5°	5681.2	5695.8	5838.6	6065.6	6246.9	6340.3	6287.2	6063.8	5767.2	5677.5
35°	6157.2	6179.1	6285.3	6499.5	6658.8	6735.7	6646.0	6382.4	6049.2	5948.5
37.5°	6700.9	6686.3	6807.1	6997.5	7129.4	7177.0	7054.3	6741.2	6371.4	6252.4
40°	7268.5	7261.2	7393.0	7576.1	7647.5	7676.8	7495.5	7153.2	6743.1	6614.9
42.5°	7783.0	7777.5	7955.1	8158.3	8244.4	8211.4	7982.5	7590.7	7173.3	7026.8
45°	8194.9	8187.6	8405.5	8691.1	8859.5	8804.6	8497.0	8074.1	7609.0	7457.1
47.5°	8511.7	8515.3	8749.7	9103.0	9397.8	9417.9	9022.5	8566.6	8088.7	7916.6
50°	8740.5	8751.5	9002.3	9394.1	9796.9	9974.5	9558.9	9071.9	8584.9	8390.8
52.5°	8797.3	8817.4	9119.5	9579.1	10053.2	10392.0	10104.5	9557.1	9055.4	8870.5
55°	8495.2	8535.5	8918.1	9564.4	10210.7	10666.6	10584.2	10049.6	9529.6	9339.2
57.5°	7801.3	7858.0	8304.8	9148.8	10175.9	10855.2	10955.9	10521.9	10003.8	9820.7
60°	6829.1	6896.8	7325.3	8246.2	9685.2	10924.7	11217.7	10981.5	10439.6	10262.0
62.5°	5362.6	5450.5	5963.1	7043.3	8649.0	10600.7	11441.0	11397.1	10831.4	10609.8
65°	3440.2	3533.6	4073.7	5349.8	7266.7	9608.3	11510.6	11801.7	11245.1	10935.7
67.5°	2074.4	2116.5	2383.8	3242.5	5311.3	8112.5	10921.1	12250.3	11728.5	11344.0
70°	1327.4	1351.2	1510.5	1904.1	3002.6	5919.2	9460.0	12334.5	12314.4	11763.3
72.5°	900.8	908.1	950.2	1127.8	1699.0	3363.3	6977.4	11166.4	12680.5	12303.4
75°	659.1	699.4	767.1	798.3	964.9	1680.7	3998.6	7845.2	10686.7	10851.5
77.5°	490.7	492.5	585.9	622.5	688.4	895.3	1691.7	4379.4	6635.0	6966.4
80°	415.6	393.6	391.8	501.7	518.1	558.4	756.1	1512.3	2376.5	1440.9
82.5°	346.0	322.2	291.1	391.8	353.4	342.4	327.7	615.2	756.1	371.7
85°	241.7	230.7	219.7	256.3	201.4	172.1	157.5	287.4	318.6	157.5
87.5°	104.4	108.0	109.9	113.5	84.2	60.4	60.4	80.6	80.6	62.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
3841.1
3864.9
3958.3
4117.6
4304.3
4489.3
4685.2
4833.5
4954.3
5067.8
5196.0
5329.6
5477.9
5699.5
5963.1
6274.4
6657.0
7063.5
7491.9
7967.9
8449.4
8918.1
9392.3
9862.8
10300.4
10635.5
10974.2
11373.3
11759.6
12244.8
10452.4
6213.9
1089.4
316.7
139.1
45.8
0.0

OF REPORT)