

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: P952835

Luminaire Tested: **GALN-SB6C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952835
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-SB6C-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40666 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

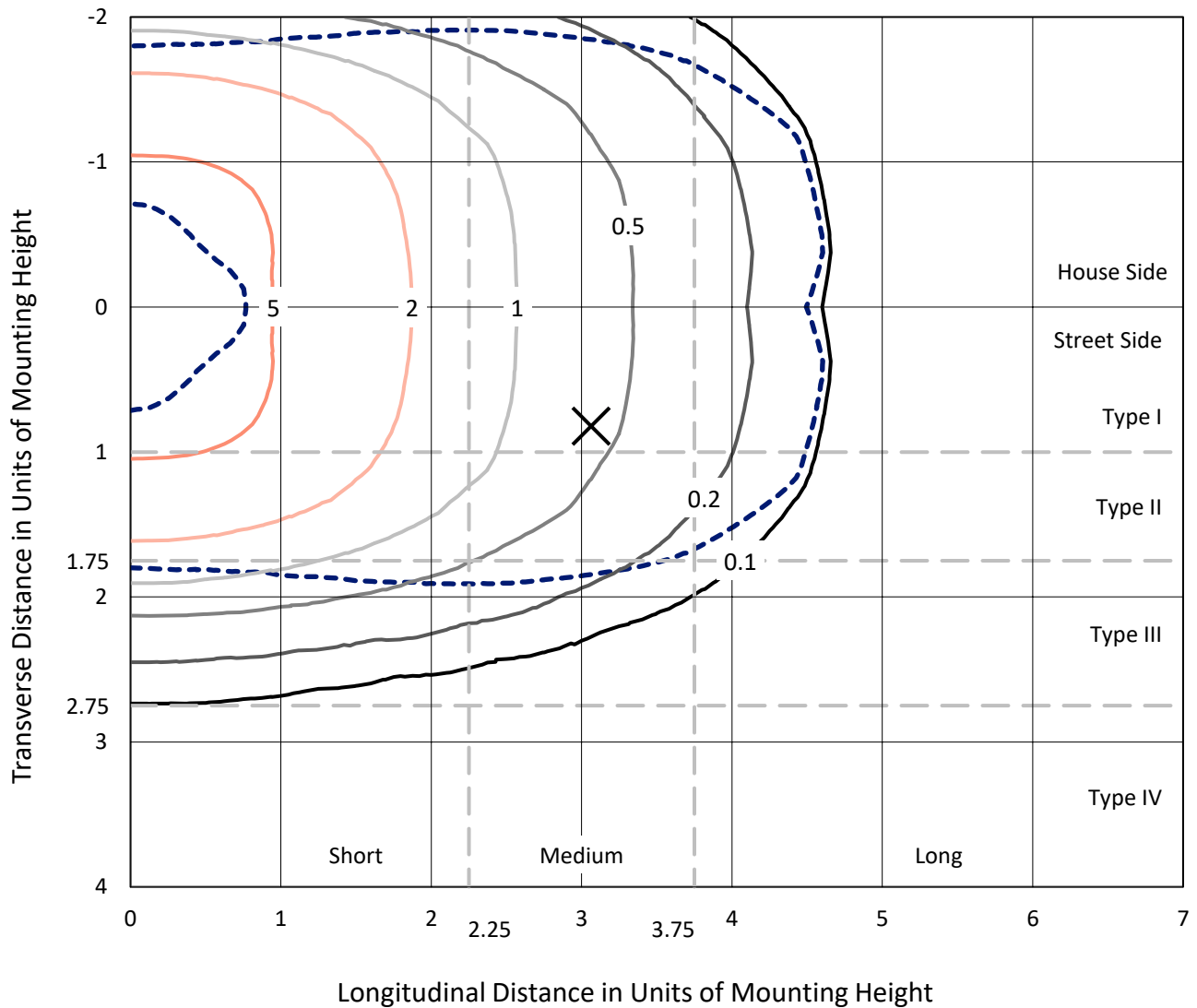
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952835
 CATALOG NUMBER: GALN-SB6C-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

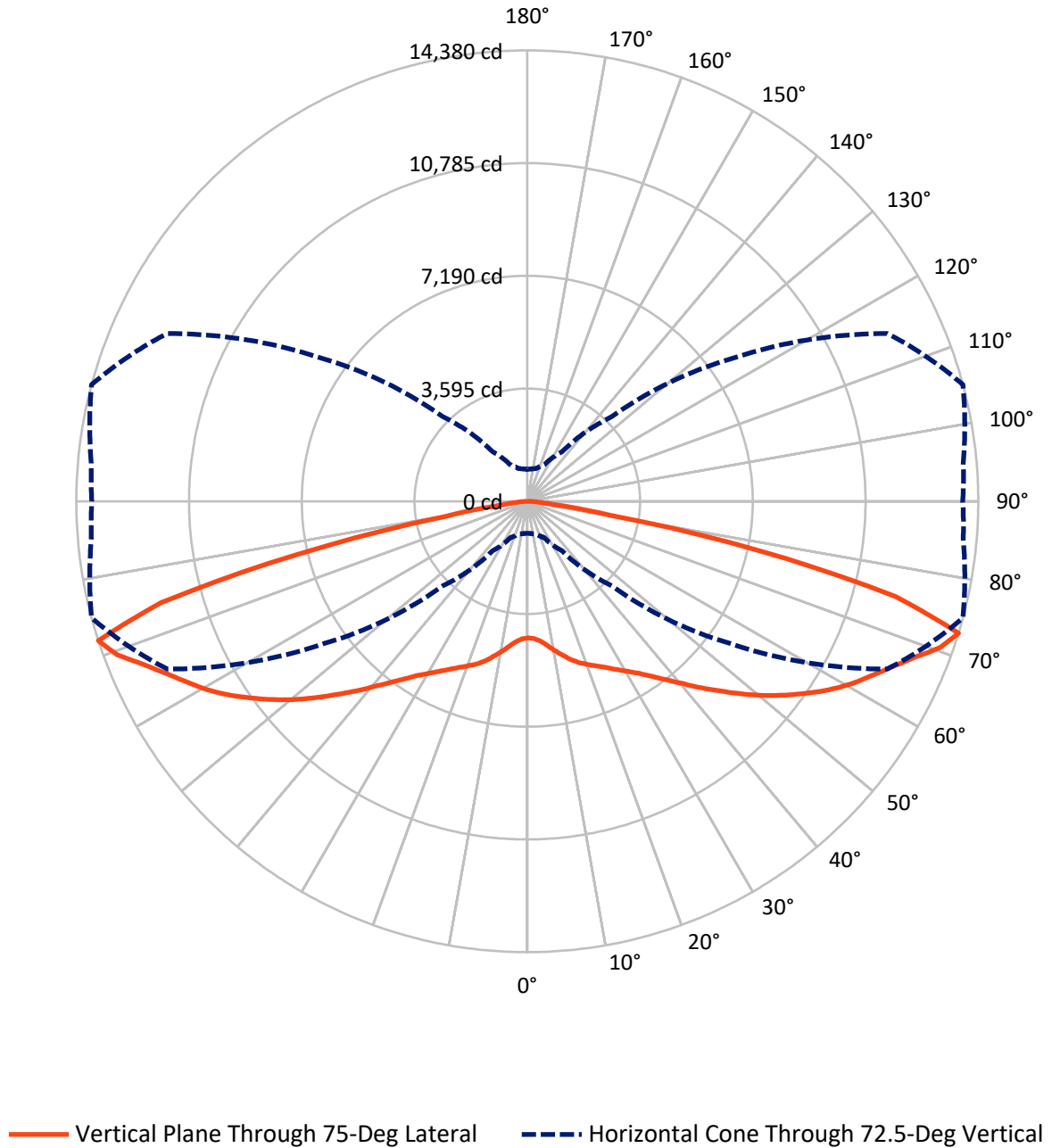
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P952835
CATALOG NUMBER: GALN-SB6C-827-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P952835

CATALOG NUMBER: GALN-SB6C-827-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20333.0	0.0	20333.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20333.0	0.0	20333.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40666.0	0.0	40666.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.7	1.0
10°-20°	1407.4	3.5
20°-30°	2719.5	6.7
30°-40°	4592.0	11.3
40°-50°	7282.4	17.9
50°-60°	9750.3	24.0
60°-70°	9279.2	22.8
70°-80°	4842.0	11.9
80°-90°	366.5	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°	40666.0	100.0
0°-180°	40666.0	100.0



REPORT NUMBER: P952835

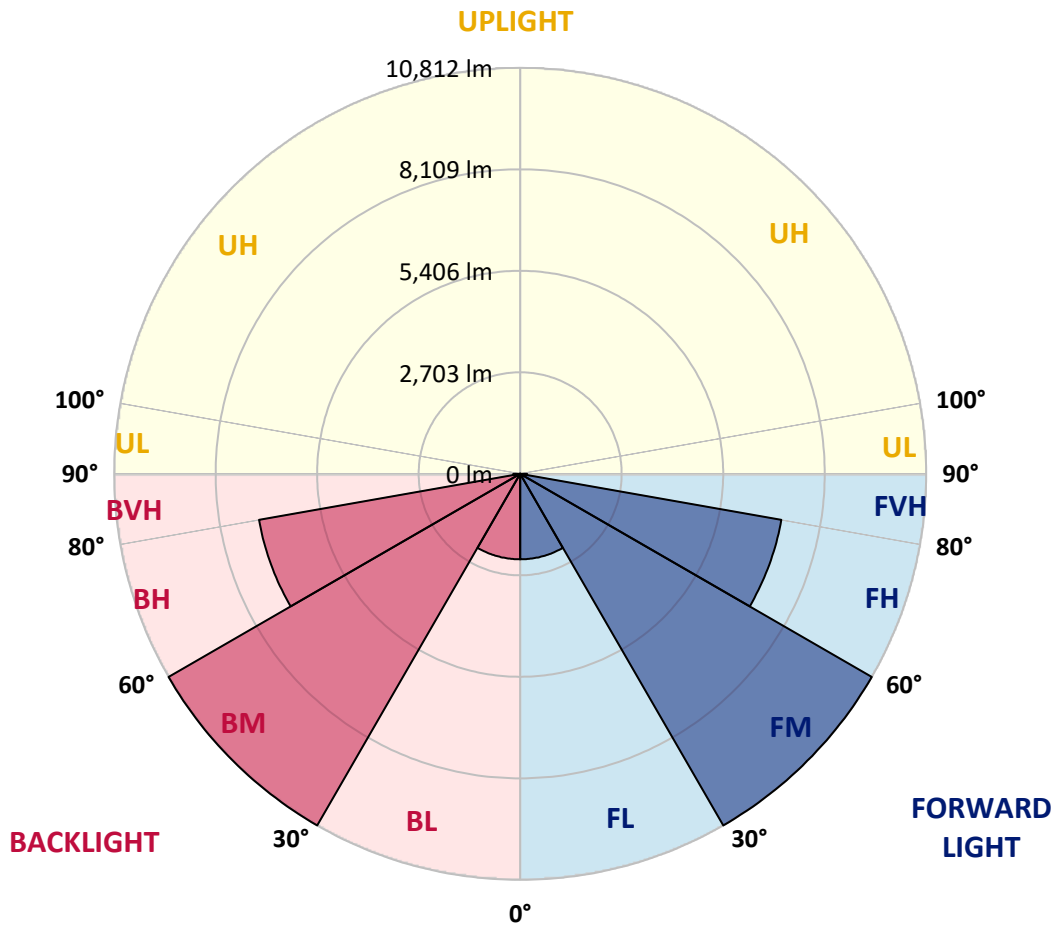
CATALOG NUMBER: GALN-SB6C-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2276.8	5.6			
FM (30°-60°)	10812.4	26.6			
FH (60°-80°)	7060.6	17.4			G3/7500
FVH (80°-90°)	183.3	0.5			G2/225
BL (0°-30°)	2276.8	5.6	B3/2500		
BM (30°-60°)	10812.4	26.6	B5		
BH (60°-80°)	7060.6	17.4	B5		G5
BVH (80°-90°)	183.3	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



REPORT NUMBER: P952835
 CATALOG NUMBER: GALN-SB6C-827-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4356.1	4356.1	4356.1	4356.1	4356.1	4356.1	4356.1	4356.1	4356.1	4356.1
2.5°	4356.1	4351.9	4356.1	4360.2	4358.1	4358.1	4368.5	4374.7	4387.2	4385.1
5°	4327.0	4324.9	4341.5	4360.2	4374.7	4399.7	4430.8	4453.6	4482.7	4488.9
7.5°	4312.5	4306.2	4335.3	4368.5	4414.2	4476.5	4536.7	4599.0	4648.8	4665.4
10°	4322.8	4324.9	4364.4	4426.7	4499.3	4586.5	4671.7	4777.5	4848.1	4864.7
12.5°	4370.6	4366.4	4432.9	4532.5	4632.2	4742.2	4841.9	4958.2	5035.0	5074.5
15°	4457.8	4449.5	4542.9	4690.3	4835.7	4964.4	5045.4	5155.4	5244.7	5294.5
17.5°	4561.6	4565.8	4688.3	4879.3	5070.3	5215.6	5292.5	5348.5	5417.0	5460.6
20°	4744.3	4752.6	4889.7	5116.0	5334.0	5500.1	5562.4	5541.6	5560.3	5593.5
22.5°	4989.3	4993.5	5147.1	5392.1	5620.5	5803.2	5844.8	5759.6	5707.7	5730.6
25°	5273.8	5300.8	5454.4	5705.6	5940.3	6114.7	6133.4	6004.6	5875.9	5882.1
27.5°	5620.5	5645.4	5801.2	6050.3	6289.1	6440.7	6438.6	6266.2	6077.3	6029.5
30°	5996.3	6023.3	6183.2	6440.7	6662.8	6795.7	6766.6	6561.1	6291.2	6201.9
32.5°	6442.7	6459.3	6621.3	6878.7	7084.3	7190.2	7130.0	6876.7	6540.3	6438.6
35°	6982.6	7007.5	7127.9	7370.8	7551.5	7638.7	7536.9	7237.9	6860.1	6745.9
37.5°	7599.2	7582.6	7719.6	7935.6	8085.1	8139.1	7999.9	7644.9	7225.5	7090.5
40°	8242.9	8234.6	8384.1	8591.7	8672.7	8705.9	8500.3	8112.1	7647.0	7501.6
42.5°	8826.3	8820.1	9021.5	9251.9	9349.5	9312.2	9052.6	8608.3	8134.9	7968.8
45°	9293.5	9285.2	9532.2	9856.1	10047.2	9984.9	9636.1	9156.4	8629.1	8456.7
47.5°	9652.7	9656.8	9922.6	10323.3	10657.6	10680.4	10232.0	9715.0	9173.0	8977.9
50°	9912.2	9924.7	10209.1	10653.4	11110.2	11311.6	10840.3	10288.0	9735.7	9515.6
52.5°	9976.6	9999.4	10342.0	10863.1	11400.9	11785.0	11459.0	10838.2	10269.3	10059.6
55°	9634.0	9679.7	10113.6	10846.5	11579.5	12096.5	12003.0	11396.8	10807.1	10591.2
57.5°	8847.1	8911.4	9418.1	10375.2	11540.0	12310.3	12424.5	11932.4	11344.8	11137.2
60°	7744.6	7821.4	8307.2	9351.6	10983.6	12389.2	12721.4	12453.6	11839.0	11637.6
62.5°	6081.5	6181.1	6762.5	7987.5	9808.4	12021.7	12974.7	12924.9	12283.3	12032.1
65°	3901.3	4007.2	4619.7	6066.9	8240.8	10896.4	13053.6	13383.8	12752.6	12401.7
67.5°	2352.4	2400.2	2703.3	3677.1	6023.3	9200.0	12385.1	13892.5	13300.7	12864.7
70°	1505.3	1532.3	1712.9	2159.3	3405.1	6712.6	10728.2	13988.0	13965.1	13340.2
72.5°	1021.5	1029.8	1077.6	1279.0	1926.8	3814.1	7912.7	12663.3	14380.4	13952.7
75°	747.5	793.1	870.0	905.3	1094.2	1906.0	4534.6	8896.9	12119.3	12306.2
77.5°	556.4	558.5	664.4	705.9	780.7	1015.3	1918.5	4966.5	7524.5	7900.3
80°	471.3	446.4	444.3	568.9	587.6	633.3	857.5	1715.0	2695.0	1634.0
82.5°	392.4	365.4	330.1	444.3	400.7	388.3	371.7	697.6	857.5	421.5
85°	274.1	261.6	249.2	290.7	228.4	195.2	178.6	326.0	361.3	178.6
87.5°	118.3	122.5	124.6	128.7	95.5	68.5	68.5	91.4	91.4	70.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4356.1
4383.0
4488.9
4669.6
4881.4
5091.1
5313.2
5481.4
5618.4
5747.2
5892.5
6044.1
6212.3
6463.5
6762.5
7115.4
7549.4
8010.3
8496.2
9036.0
9582.1
10113.6
10651.4
11185.0
11681.2
12061.2
12445.3
12897.9
13336.0
13886.2
11853.5
7046.9
1235.4
359.2
157.8
51.9
0.0

OF REPORT)