

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: P957119

Luminaire Tested: **GALN-SB9C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957119
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-SB9C-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 61081 lumens
Efficiency: N/A
Efficacy: 135.8 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

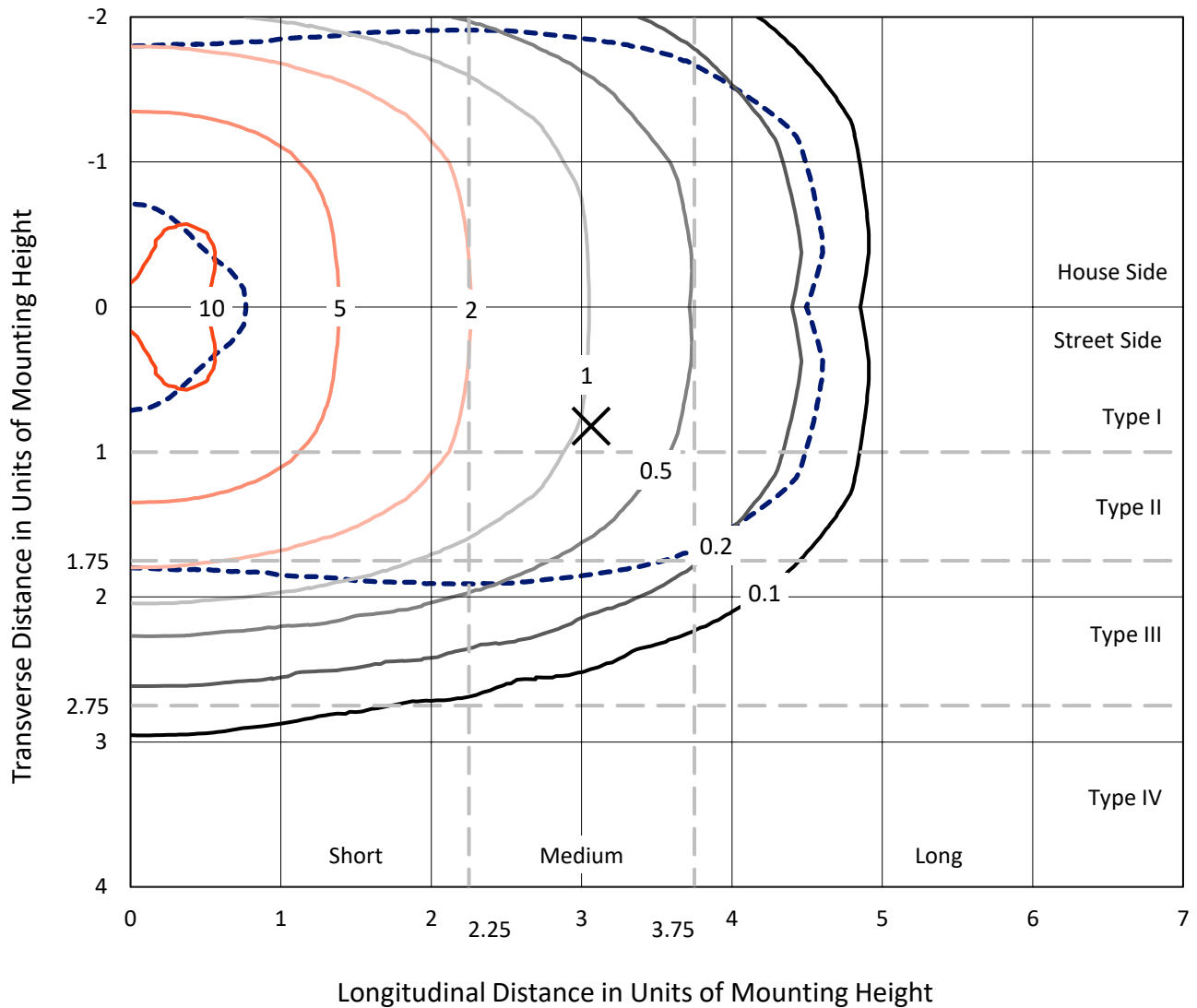
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

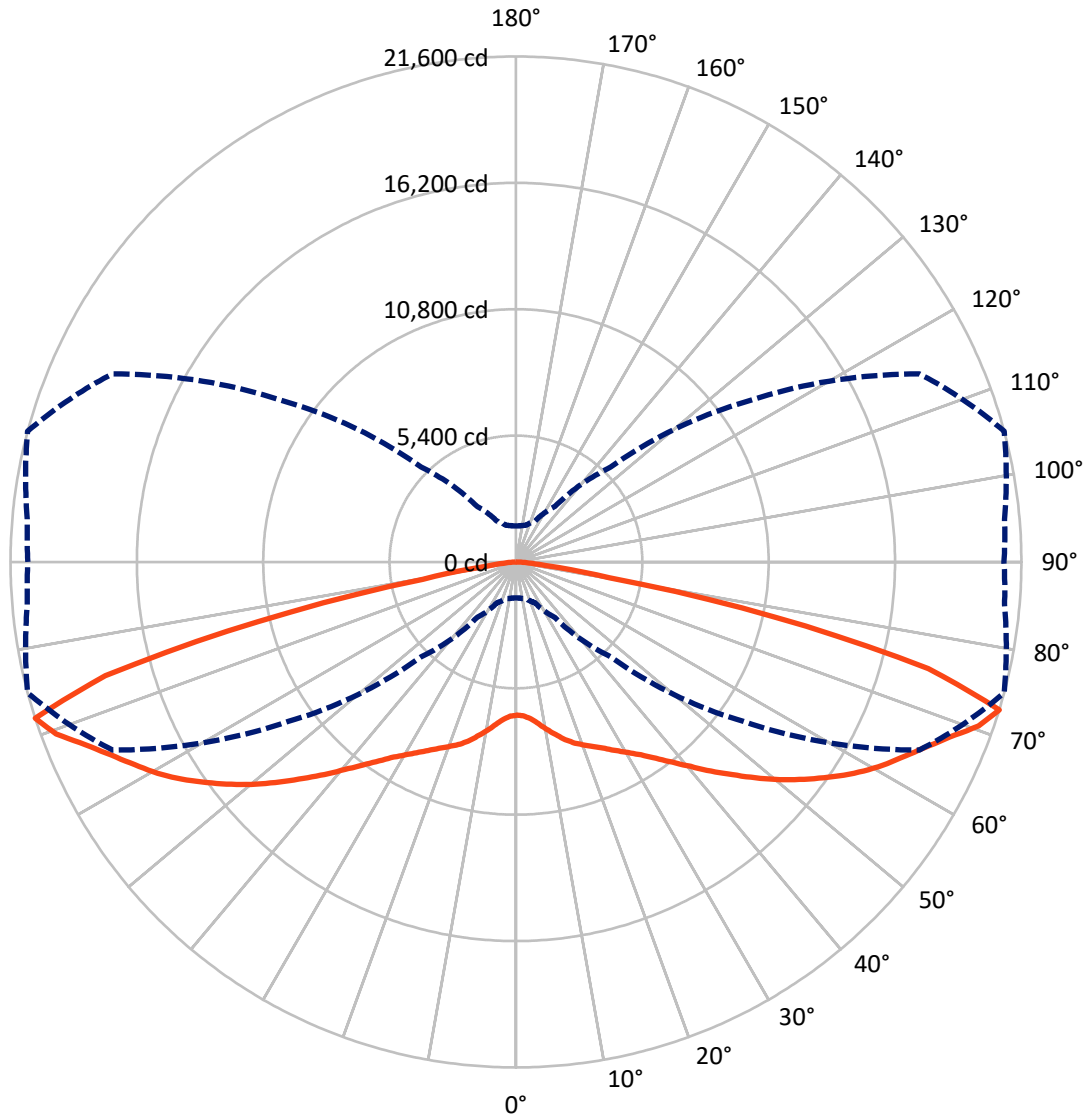
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30540.5	0.0	30540.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30540.5	0.0	30540.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	61081.0	0.0	61081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.9	1.0
10°-20°	2113.9	3.5
20°-30°	4084.7	6.7
30°-40°	6897.3	11.3
40°-50°	10938.3	17.9
50°-60°	14645.1	24.0
60°-70°	13937.4	22.8
70°-80°	7272.8	11.9
80°-90°	550.5	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°	61081.0	100.0
0°-180°	61081.0	100.0

Coefficient of Utilization



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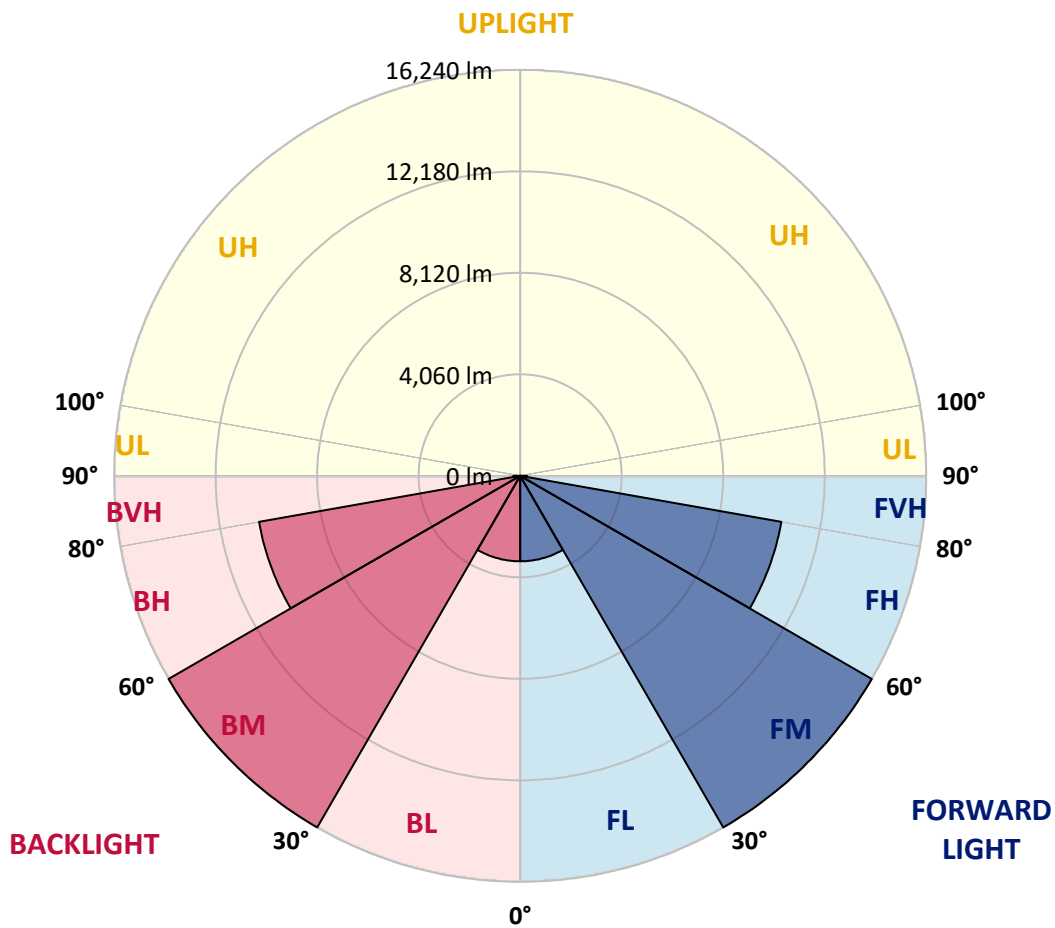
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3419.8	5.6			
FM (30°-60°)	16240.3	26.6			
FH (60°-80°)	10605.1	17.4			G4/12000
FVH (80°-90°)	275.3	0.5			G3/500
BL (0°-30°)	3419.8	5.6	B4/5000		
BM (30°-60°)	16240.3	26.6	B5		
BH (60°-80°)	10605.1	17.4	B5		G5
BVH (80°-90°)	275.3	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°	6542.9	6542.9	6542.9	6542.9	6542.9	6542.9	6542.9	6542.9	6542.9	6542.9
2.5°	6542.9	6536.6	6542.9	6549.1	6546.0	6546.0	6561.6	6570.9	6589.6	6586.5
5°	6499.2	6496.1	6521.0	6549.1	6570.9	6608.4	6655.1	6689.4	6733.1	6742.5
7.5°	6477.4	6468.0	6511.7	6561.6	6630.2	6723.7	6814.2	6907.7	6982.6	7007.5
10°	6493.0	6496.1	6555.3	6648.9	6758.1	6889.0	7016.9	7175.9	7282.0	7306.9
12.5°	6564.7	6558.5	6658.3	6808.0	6957.6	7122.9	7272.6	7447.3	7562.7	7621.9
15°	6695.7	6683.2	6823.5	7045.0	7263.3	7456.6	7578.3	7743.5	7877.6	7952.5
17.5°	6851.6	6857.8	7041.8	7328.8	7615.7	7834.0	7949.4	8033.6	8136.5	8202.0
20°	7126.1	7138.5	7344.4	7684.3	8011.7	8261.2	8354.8	8323.6	8351.7	8401.6
22.5°	7494.0	7500.3	7731.1	8099.1	8442.1	8716.5	8778.9	8651.1	8573.1	8607.4
25°	7921.3	7961.8	8192.6	8570.0	8922.4	9184.3	9212.4	9019.1	8825.7	8835.1
27.5°	8442.1	8479.5	8713.4	9087.7	9446.3	9674.0	9670.8	9412.0	9128.2	9056.5
30°	9006.6	9047.1	9287.3	9674.0	10007.7	10207.2	10163.6	9854.8	9449.4	9315.3
32.5°	9677.1	9702.0	9945.3	10332.0	10640.7	10799.8	10709.3	10328.9	9823.7	9670.8
35°	10487.9	10525.3	10706.2	11071.1	11342.4	11473.4	11320.6	10871.5	10303.9	10132.4
37.5°	11414.2	11389.2	11595.0	11919.4	12143.9	12225.0	12016.0	11482.8	10852.8	10650.1
40°	12380.9	12368.5	12593.0	12904.9	13026.5	13076.4	12767.6	12184.5	11485.9	11267.6
42.5°	13257.3	13247.9	13550.4	13896.6	14043.2	13987.0	13597.2	12929.8	12218.8	11969.3
45°	13959.0	13946.5	14317.6	14804.1	15091.0	14997.5	14473.5	13753.1	12961.0	12702.1
47.5°	14498.5	14504.7	14903.9	15505.8	16007.9	16042.2	15368.6	14592.0	13778.1	13484.9
50°	14888.3	14907.0	15334.3	16001.6	16687.7	16990.3	16282.3	15452.8	14623.2	14292.6
52.5°	14985.0	15019.3	15533.9	16316.6	17124.4	17701.3	17211.7	16279.2	15424.7	15109.7
55°	14470.4	14539.0	15190.8	16291.7	17392.6	18169.1	18028.8	17118.1	16232.4	15908.1
57.5°	13288.4	13385.1	14146.1	15583.8	17333.3	18490.3	18661.8	17922.7	17040.1	16728.3
60°	11632.5	11747.8	12477.6	14046.3	16497.5	18608.8	19107.8	18705.5	17782.4	17479.9
62.5°	9134.4	9284.1	10157.4	11997.3	14732.4	18056.8	19488.3	19413.4	18449.8	18072.4
65°	5859.9	6018.9	6938.9	9112.6	12377.8	16366.5	19606.8	20102.6	19154.6	18627.5
67.5°	3533.4	3605.1	4060.4	5523.1	9047.1	13818.6	18602.6	20866.7	19977.9	19323.0
70°	2261.0	2301.5	2572.9	3243.4	5114.5	10082.5	16113.9	21010.2	20975.9	20037.1
72.5°	1534.4	1546.8	1618.6	1921.1	2894.1	5728.9	11885.1	19020.5	21599.6	20957.1
75°	1122.7	1191.3	1306.7	1359.7	1643.5	2862.9	6811.1	13363.3	18203.4	18484.1
77.5°	835.8	838.9	998.0	1060.3	1172.6	1525.0	2881.6	7459.7	11301.9	11866.4
80°	707.9	670.5	667.4	854.5	882.6	951.2	1288.0	2576.0	4048.0	2454.4
82.5°	589.4	548.9	495.9	667.4	601.9	583.2	558.2	1047.9	1288.0	633.1
85°	411.7	392.9	374.2	436.6	343.0	293.2	268.2	489.6	542.6	268.2
87.5°	177.8	184.0	187.1	193.4	143.5	102.9	102.9	137.2	137.2	106.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6542.9
6583.4
6742.5
7013.8
7331.9
7646.9
7980.6
8233.2
8439.0
8632.3
8850.6
9078.3
9330.9
9708.3
10157.4
10687.5
11339.3
12031.6
12761.4
13572.2
14392.4
15190.8
15998.5
16800.0
17545.4
18116.1
18693.0
19372.9
20030.9
20857.3
17804.2
10584.6
1855.6
539.5
237.0
78.0
0.0

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