

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: P954260

Luminaire Tested: **GALN-SB7C-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954260
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-SB7C-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48531 lumens
Efficiency: N/A
Efficacy: 138.5 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

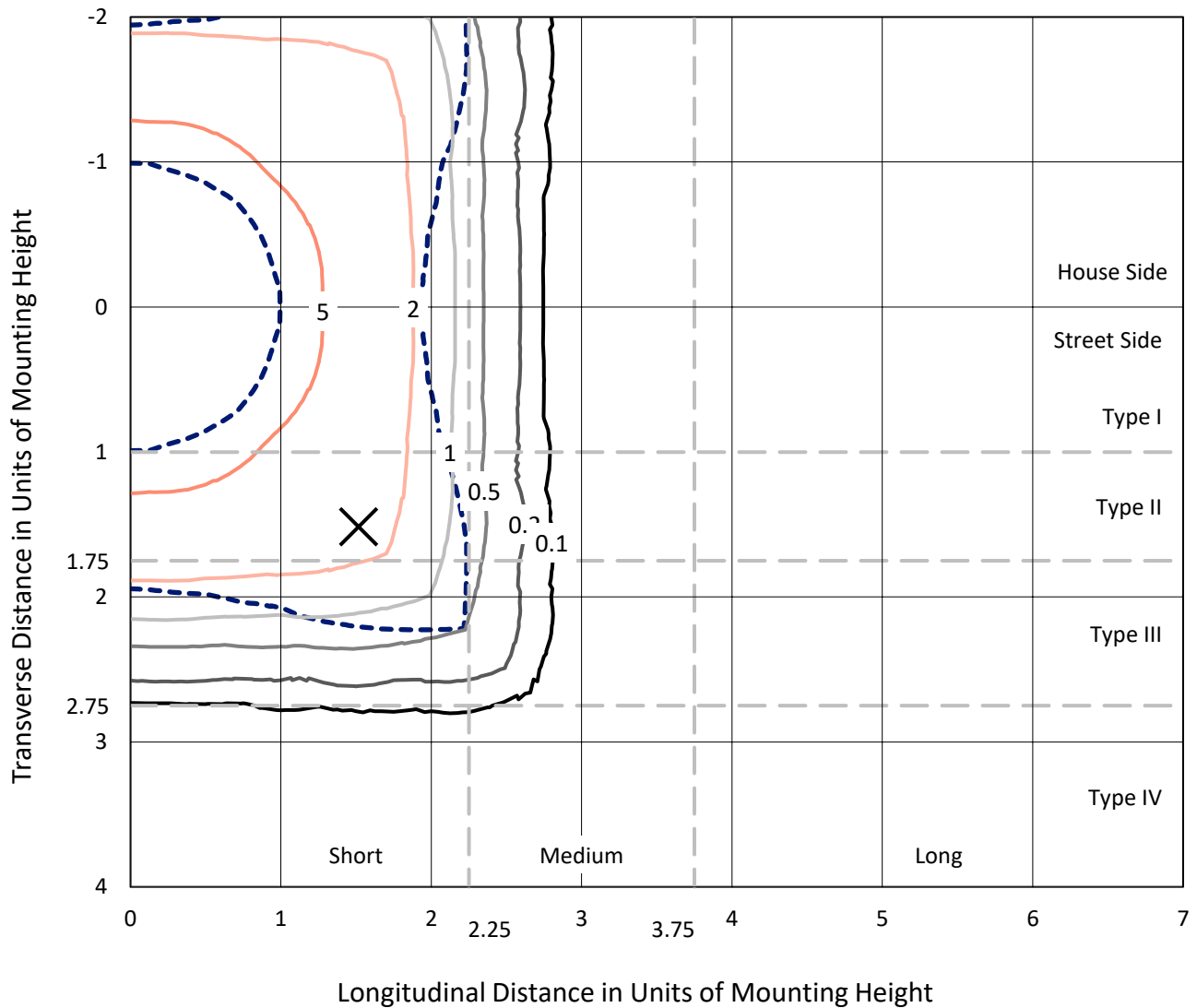
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

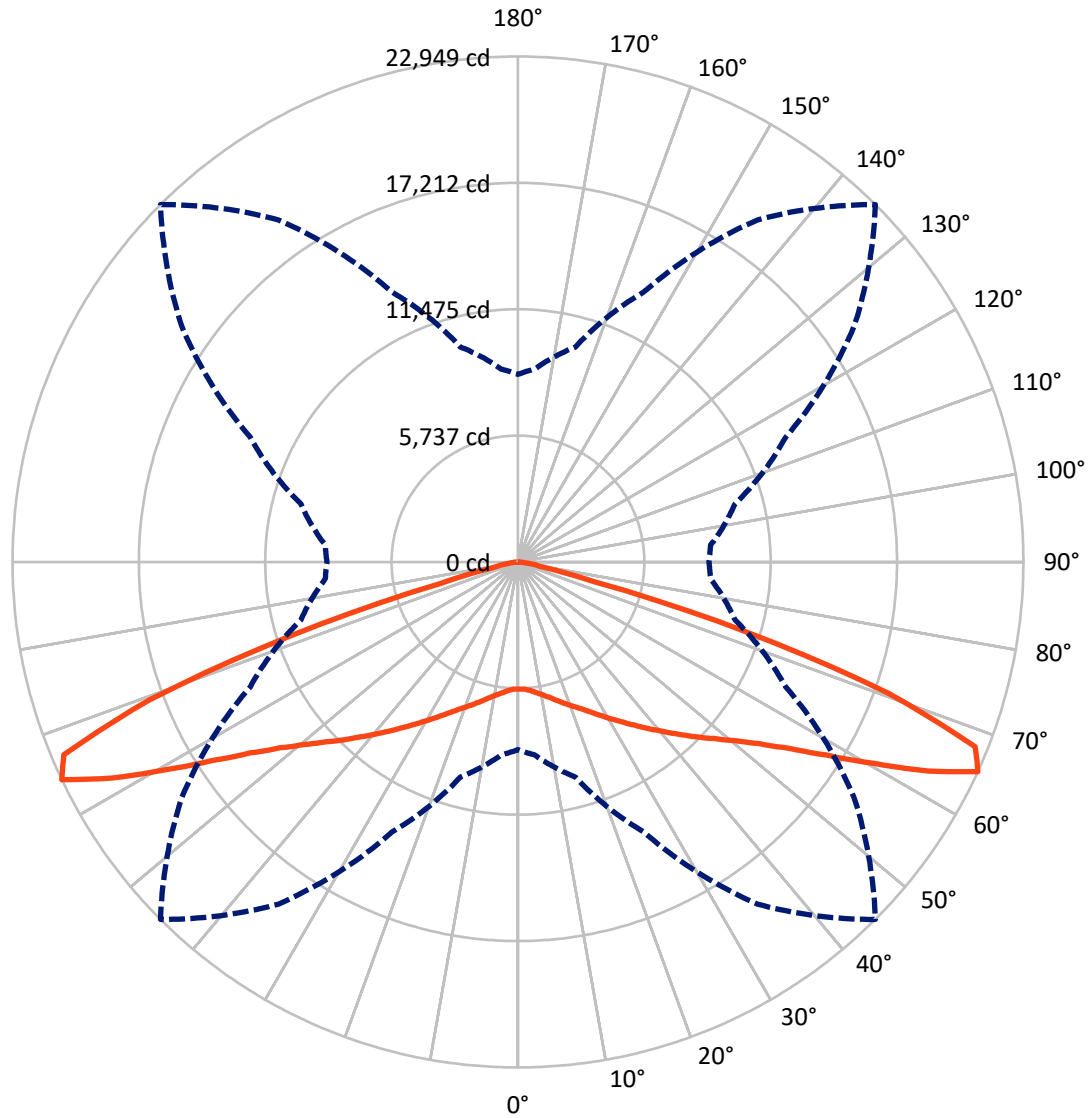
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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
House Side	Lumens	24265.5	0.0	24265.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24265.5	0.0	24265.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48531.0	0.0	48531.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.0	1.2
10°-20°	1860.0	3.8
20°-30°	3511.8	7.2
30°-40°	5750.5	11.8
40°-50°	8916.2	18.4
50°-60°	13171.1	27.1
60°-70°	12537.6	25.8
70°-80°	2023.1	4.2
80°-90°	190.7	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°	48531.0	100.0
0°-180°	48531.0	100.0



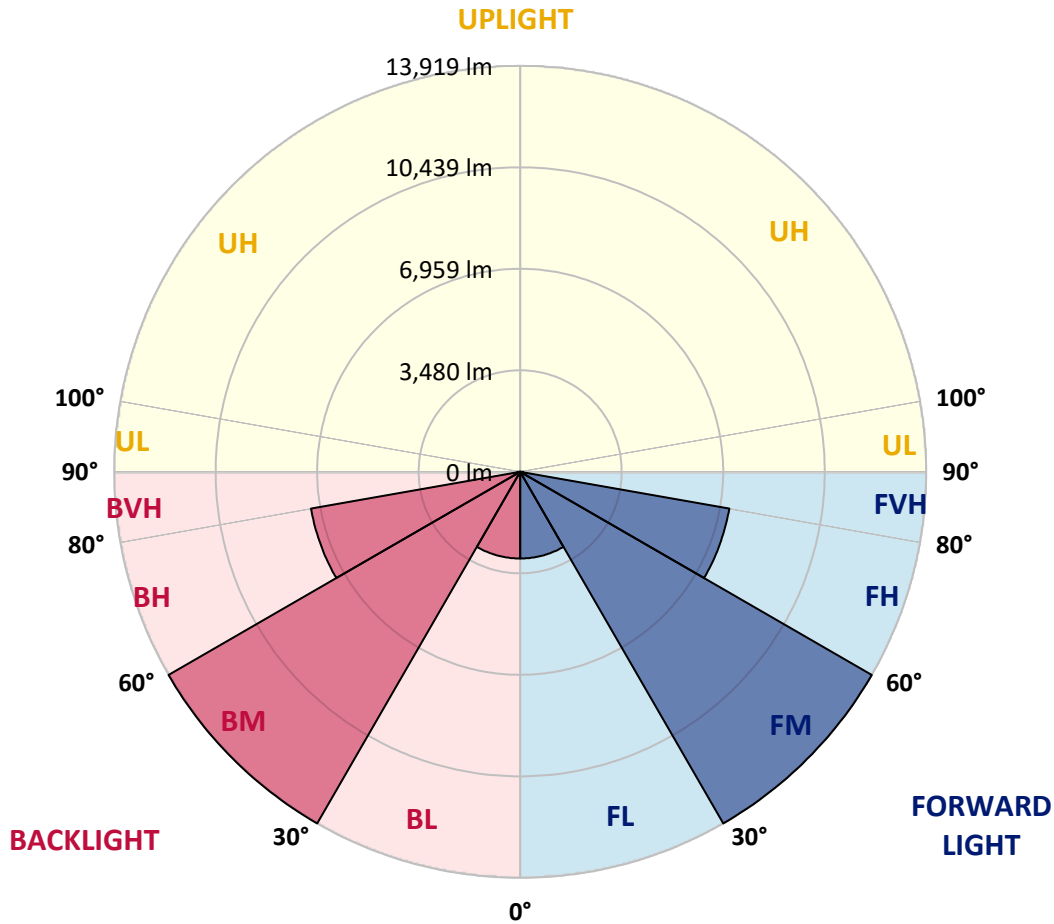
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2970.9	6.1			
FM (30°-60°)	13918.9	28.7			
FH (60°-80°)	7280.4	15.0			G3/7500
FVH (80°-90°)	95.3	0.2			G1/100
BL (0°-30°)	2970.9	6.1	B4/5000		
BM (30°-60°)	13918.9	28.7	B5		
BH (60°-80°)	7280.4	15.0	B5		G3/7500
BVH (80°-90°)	95.3	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°	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7	5775.7
2.5°	5814.6	5795.2	5809.8	5797.6	5787.8	5778.1	5783.0	5800.0	5807.3	5809.8
5°	5892.6	5875.5	5882.8	5882.8	5865.8	5860.9	5863.3	5875.5	5890.1	5890.1
7.5°	6019.2	6002.1	6019.2	6009.4	5994.8	5989.9	5987.5	5997.3	6019.2	6019.2
10°	6172.6	6153.1	6162.8	6158.0	6140.9	6133.6	6131.2	6145.8	6165.3	6162.8
12.5°	6340.6	6318.7	6330.8	6316.2	6311.4	6304.1	6304.1	6301.6	6313.8	6304.1
15°	6528.1	6513.5	6518.3	6508.6	6515.9	6511.0	6491.5	6481.8	6486.7	6472.1
17.5°	6749.6	6715.6	6732.6	6727.7	6727.7	6737.5	6705.8	6693.6	6703.4	6688.8
20°	7005.3	6971.2	6978.5	6968.8	6956.6	6966.4	6927.4	6937.1	6944.4	6934.7
22.5°	7285.3	7241.5	7239.1	7243.9	7217.2	7219.6	7192.8	7217.2	7231.8	7205.0
25°	7572.7	7526.4	7558.0	7545.9	7511.8	7519.1	7499.6	7524.0	7536.1	7502.0
27.5°	7877.0	7845.4	7874.6	7881.9	7840.5	7869.7	7840.5	7862.4	7874.6	7823.5
30°	8232.5	8200.9	8227.7	8247.1	8198.4	8244.7	8220.4	8235.0	8237.4	8176.5
32.5°	8619.7	8571.0	8639.2	8648.9	8595.3	8651.3	8619.7	8639.2	8651.3	8568.5
35°	9092.1	9031.2	9109.1	9096.9	9050.7	9096.9	9067.7	9096.9	9126.1	9026.3
37.5°	9601.0	9537.7	9620.4	9598.5	9554.7	9586.4	9569.3	9588.8	9635.1	9527.9
40°	10161.0	10083.1	10195.1	10156.1	10114.7	10109.9	10119.6	10131.8	10192.7	10073.3
42.5°	10760.0	10677.2	10845.2	10784.3	10725.9	10686.9	10718.6	10742.9	10801.4	10667.5
45°	11444.2	11349.2	11568.4	11495.3	11402.8	11322.5	11373.6	11410.1	11495.3	11334.6
47.5°	12199.0	12091.9	12325.7	12303.7	12152.8	11977.5	12094.3	12199.0	12262.4	12067.6
50°	12936.8	12854.0	13160.8	13187.6	13002.6	12756.6	12919.8	13078.1	13095.1	12839.4
52.5°	13628.4	13545.6	13991.2	14159.2	13993.6	13701.4	13874.3	14035.0	13905.9	13574.8
55°	14181.1	14112.9	14680.2	15113.7	15169.7	14928.6	15030.9	15026.0	14602.3	14093.4
57.5°	14315.0	14305.3	15021.1	15939.1	16523.5	16552.7	16350.6	15834.4	14921.3	14237.1
60°	13706.3	13767.1	14750.9	16370.1	17928.5	18576.1	17702.0	16228.9	14558.5	13608.9
62.5°	11884.9	12045.6	13231.5	15844.1	19063.1	20903.9	18785.6	15629.9	13068.3	11828.9
65°	8517.4	8797.4	10107.4	13521.2	18960.9	22949.3	18629.7	13411.6	10204.8	8775.5
67.5°	3864.2	4149.1	5261.9	9257.6	16482.1	22394.1	16443.1	9355.0	5524.9	4163.7
70°	1400.1	1448.8	1806.7	3706.0	10533.5	17843.2	10984.0	3732.8	1921.2	1543.8
72.5°	847.4	854.7	930.1	1327.0	3659.7	10833.0	3815.5	1370.9	949.6	842.5
75°	538.1	533.3	662.3	810.8	1297.8	3654.8	1361.1	810.8	659.9	601.4
77.5°	387.2	399.3	474.8	606.3	818.1	1239.4	803.5	579.5	474.8	389.6
80°	289.8	297.1	345.8	472.4	574.6	771.9	511.3	428.5	357.9	243.5
82.5°	209.4	209.4	226.4	343.3	350.6	416.4	277.6	301.9	236.2	172.9
85°	124.2	121.7	141.2	204.5	182.6	153.4	126.6	185.1	148.5	107.1
87.5°	43.8	46.3	43.8	58.4	48.7	41.4	39.0	51.1	41.4	36.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5775.7
5809.8
5890.1
6011.9
6158.0
6308.9
6474.5
6701.0
6956.6
7231.8
7541.0
7862.4
8213.0
8624.6
9087.2
9593.7
10112.3
10738.1
11417.4
12133.3
12871.1
13584.5
14110.5
14193.3
13496.9
11755.9
8670.8
4102.9
1524.3
857.1
606.3
396.9
250.8
172.9
104.7
34.1
0.0

OF REPORT)