

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: P954305

Luminaire Tested: **GALN-SB7C-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954305
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-SB7C-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50870 lumens
Efficiency: N/A
Efficacy: 145.1 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

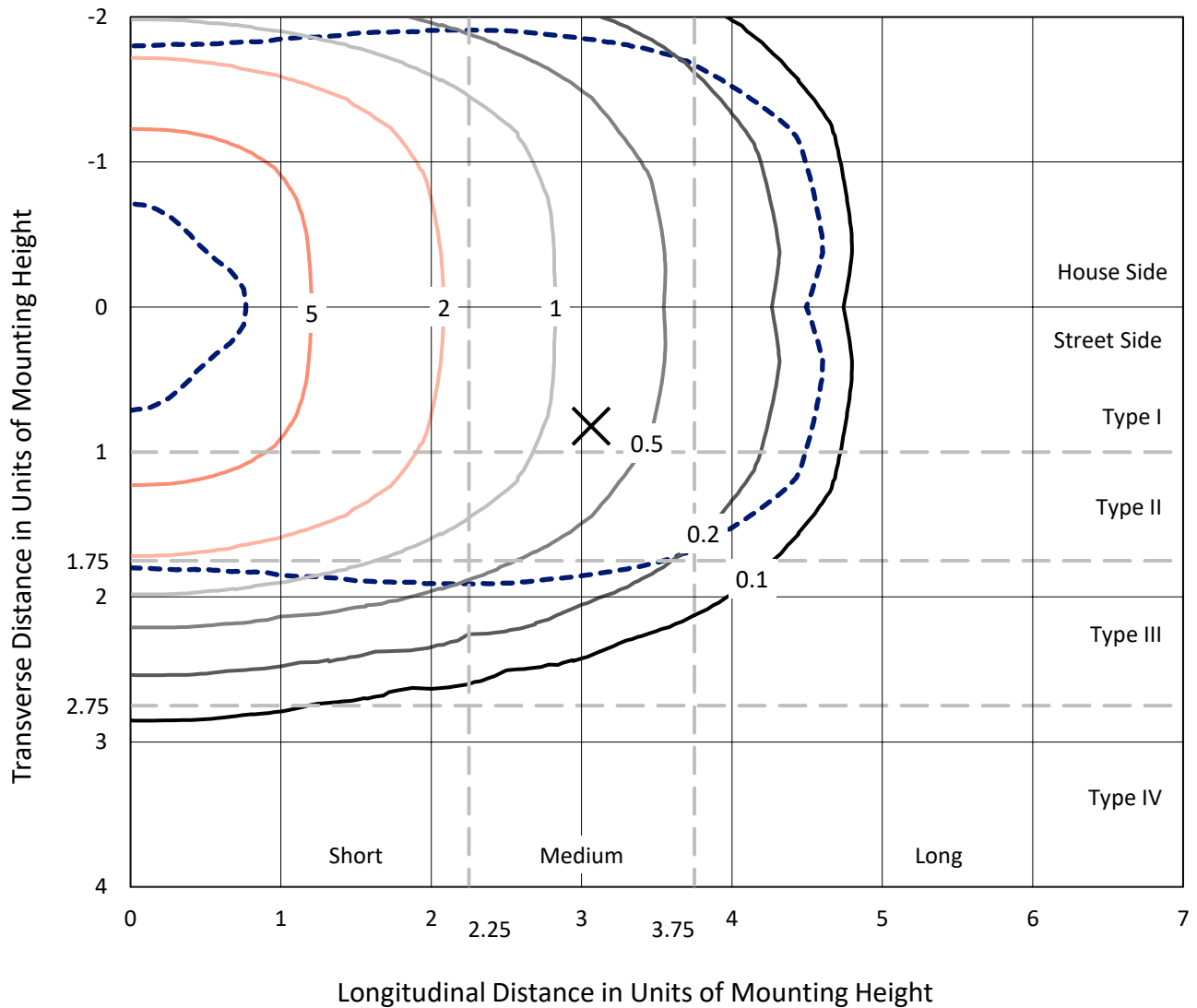
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

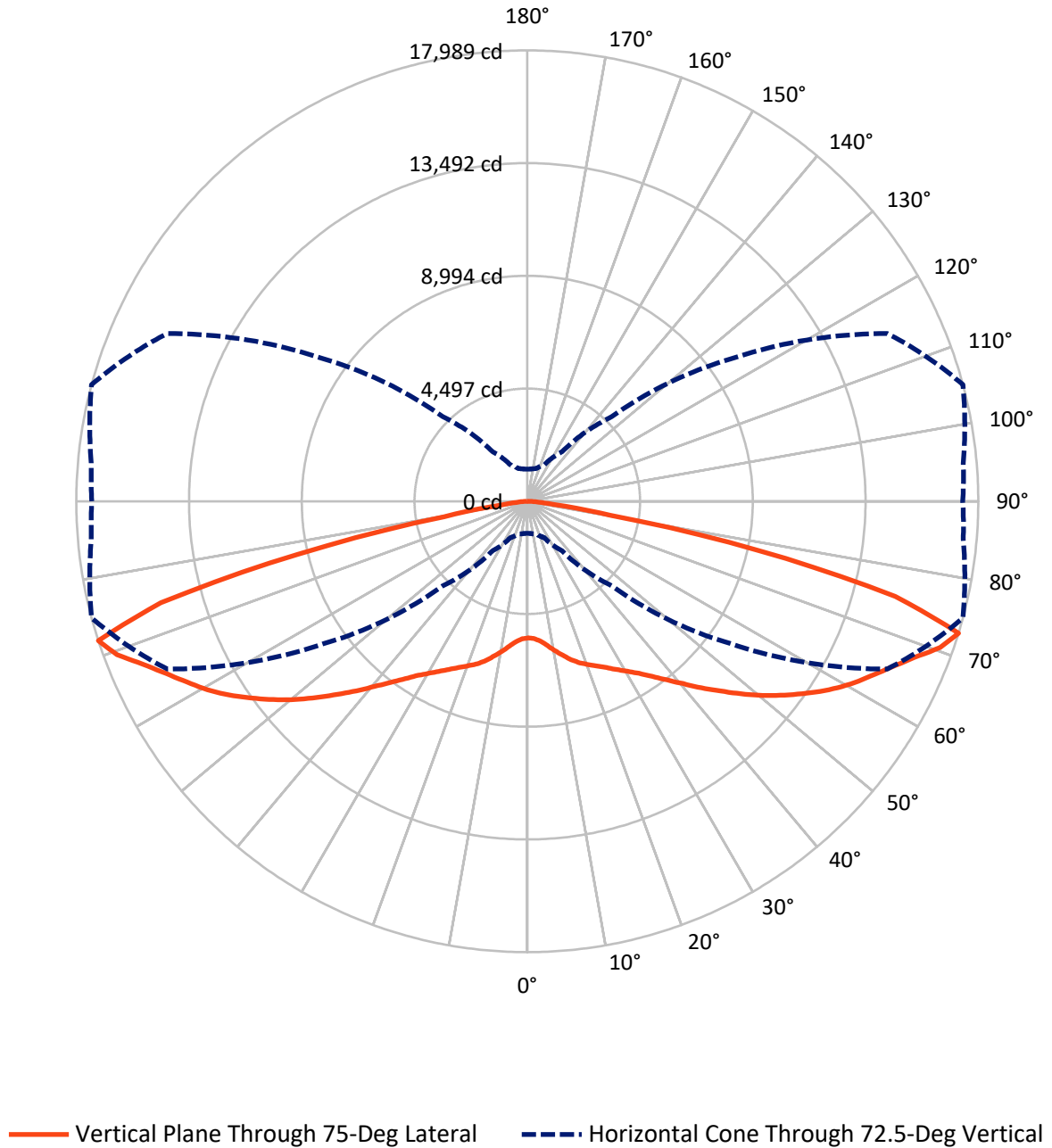
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25435.0	0.0	25435.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25435.0	0.0	25435.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50870.0	0.0	50870.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.8	1.0
10°-20°	1760.5	3.5
20°-30°	3401.9	6.7
30°-40°	5744.2	11.3
40°-50°	9109.7	17.9
50°-60°	12196.9	24.0
60°-70°	11607.5	22.8
70°-80°	6057.0	11.9
80°-90°	458.5	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°	50870.0	100.0
0°-180°	50870.0	100.0



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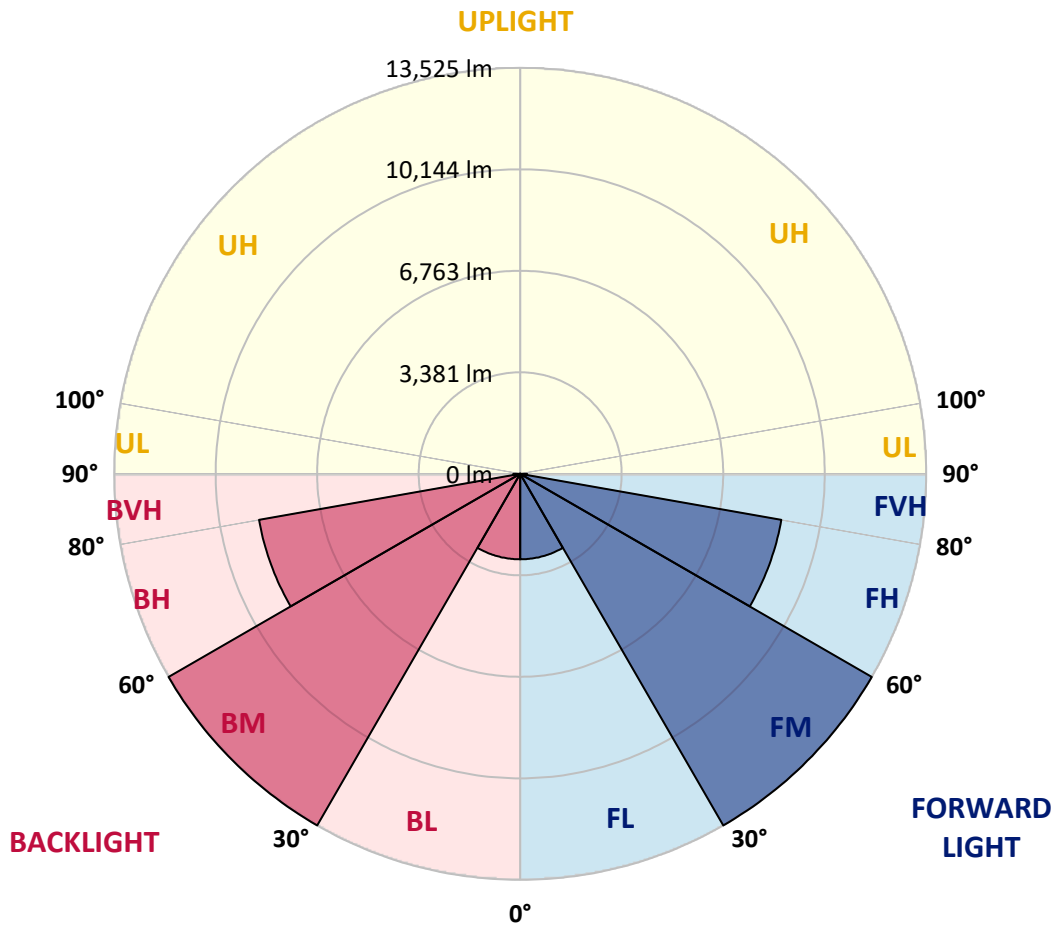
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2848.1	5.6			
FM (30°-60°)	13525.4	26.6			
FH (60°-80°)	8832.2	17.4			G4/12000
FVH (80°-90°)	229.2	0.5			G3/500
BL (0°-30°)	2848.1	5.6	B4/5000		
BM (30°-60°)	13525.4	26.6	B5		
BH (60°-80°)	8832.2	17.4	B5		G5
BVH (80°-90°)	229.2	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°	5449.1	5449.1	5449.1	5449.1	5449.1	5449.1	5449.1	5449.1	5449.1	5449.1
2.5°	5449.1	5443.9	5449.1	5454.3	5451.7	5451.7	5464.7	5472.5	5488.0	5485.4
5°	5412.7	5410.1	5430.9	5454.3	5472.5	5503.6	5542.6	5571.2	5607.5	5615.3
7.5°	5394.5	5386.8	5423.1	5464.7	5521.8	5599.7	5675.1	5753.0	5815.3	5836.1
10°	5407.5	5410.1	5459.5	5537.4	5628.3	5737.4	5843.9	5976.3	6064.6	6085.4
12.5°	5467.3	5462.1	5545.2	5669.9	5794.5	5932.2	6056.9	6202.3	6298.4	6347.7
15°	5576.4	5566.0	5682.8	5867.2	6049.1	6210.1	6311.4	6449.0	6560.7	6623.1
17.5°	5706.2	5711.4	5864.7	6103.6	6342.6	6524.4	6620.5	6690.6	6776.3	6830.8
20°	5934.8	5945.2	6116.6	6399.7	6672.4	6880.2	6958.1	6932.1	6955.5	6997.1
22.5°	6241.3	6246.5	6438.7	6745.1	7030.8	7259.4	7311.3	7204.8	7139.9	7168.5
25°	6597.1	6630.8	6823.0	7137.3	7430.8	7649.0	7672.4	7511.3	7350.3	7358.1
27.5°	7030.8	7062.0	7256.8	7568.5	7867.2	8056.8	8054.2	7838.6	7602.2	7542.5
30°	7500.9	7534.7	7734.7	8056.8	8334.7	8500.9	8464.5	8207.4	7869.8	7758.1
32.5°	8059.4	8080.1	8282.7	8604.8	8861.9	8994.4	8919.1	8602.2	8181.4	8054.2
35°	8734.6	8765.8	8916.5	9220.3	9446.3	9555.4	9428.1	9054.1	8581.4	8438.6
37.5°	9506.0	9485.3	9656.7	9926.8	10113.8	10181.3	10007.3	9563.2	9038.5	8869.7
40°	10311.2	10300.8	10487.8	10747.5	10848.8	10890.4	10633.3	10147.6	9565.8	9384.0
42.5°	11041.0	11033.2	11285.2	11573.5	11695.5	11648.8	11324.1	10768.3	10176.1	9968.4
45°	11625.4	11615.0	11924.1	12329.3	12568.2	12490.3	12054.0	11454.0	10794.3	10578.7
47.5°	12074.7	12079.9	12412.4	12913.7	13331.8	13360.4	12799.4	12152.7	11474.8	11230.6
50°	12399.4	12415.0	12770.8	13326.6	13898.0	14150.0	13560.4	12869.5	12178.6	11903.3
52.5°	12479.9	12508.5	12937.0	13589.0	14261.6	14742.1	14334.4	13557.8	12846.1	12583.8
55°	12051.4	12108.5	12651.3	13568.2	14485.0	15131.7	15014.9	14256.5	13518.8	13248.7
57.5°	11067.0	11147.5	11781.2	12978.6	14435.7	15399.3	15542.1	14926.6	14191.5	13931.8
60°	9687.8	9783.9	10391.7	11698.1	13739.6	15498.0	15913.5	15578.5	14809.7	14557.7
62.5°	7607.4	7732.1	8459.3	9991.7	12269.5	15038.2	16230.4	16168.1	15365.5	15051.2
65°	4880.3	5012.7	5778.9	7589.2	10308.6	13630.5	16329.1	16742.0	15952.5	15513.5
67.5°	2942.7	3002.5	3381.7	4599.8	7534.7	11508.5	15492.8	17378.4	16638.2	16092.7
70°	1883.0	1916.8	2142.8	2701.2	4259.5	8397.0	13420.1	17497.9	17469.3	16687.5
72.5°	1277.9	1288.2	1348.0	1599.9	2410.3	4771.2	9898.2	15840.8	17988.7	17453.7
75°	935.0	992.2	1088.3	1132.4	1368.8	2384.3	5672.5	11129.3	15160.3	15394.1
77.5°	696.1	698.7	831.1	883.1	976.6	1270.1	2399.9	6212.7	9412.5	9882.6
80°	589.6	558.4	555.8	711.7	735.0	792.2	1072.7	2145.4	3371.3	2044.1
82.5°	490.9	457.1	413.0	555.8	501.3	485.7	464.9	872.7	1072.7	527.2
85°	342.8	327.3	311.7	363.6	285.7	244.1	223.4	407.8	451.9	223.4
87.5°	148.0	153.2	155.8	161.0	119.5	85.7	85.7	114.3	114.3	88.3
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>
5449.1
5482.9
5615.3
5841.3
6106.2
6368.5
6646.4
6856.8
7028.2
7189.3
7371.1
7560.7
7771.1
8085.3
8459.3
8900.9
9443.7
10020.3
10628.1
11303.4
11986.4
12651.3
13324.0
13991.5
14612.3
15087.6
15568.1
16134.3
16682.3
<i>17370.6</i>
14827.9
8815.2
1545.4
449.3
197.4
64.9
0.0

OF REPORT)