

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: P954284

Luminaire Tested: **GALN-SB7C-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954284
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49281 lumens
Efficiency: N/A
Efficacy: 140.6 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

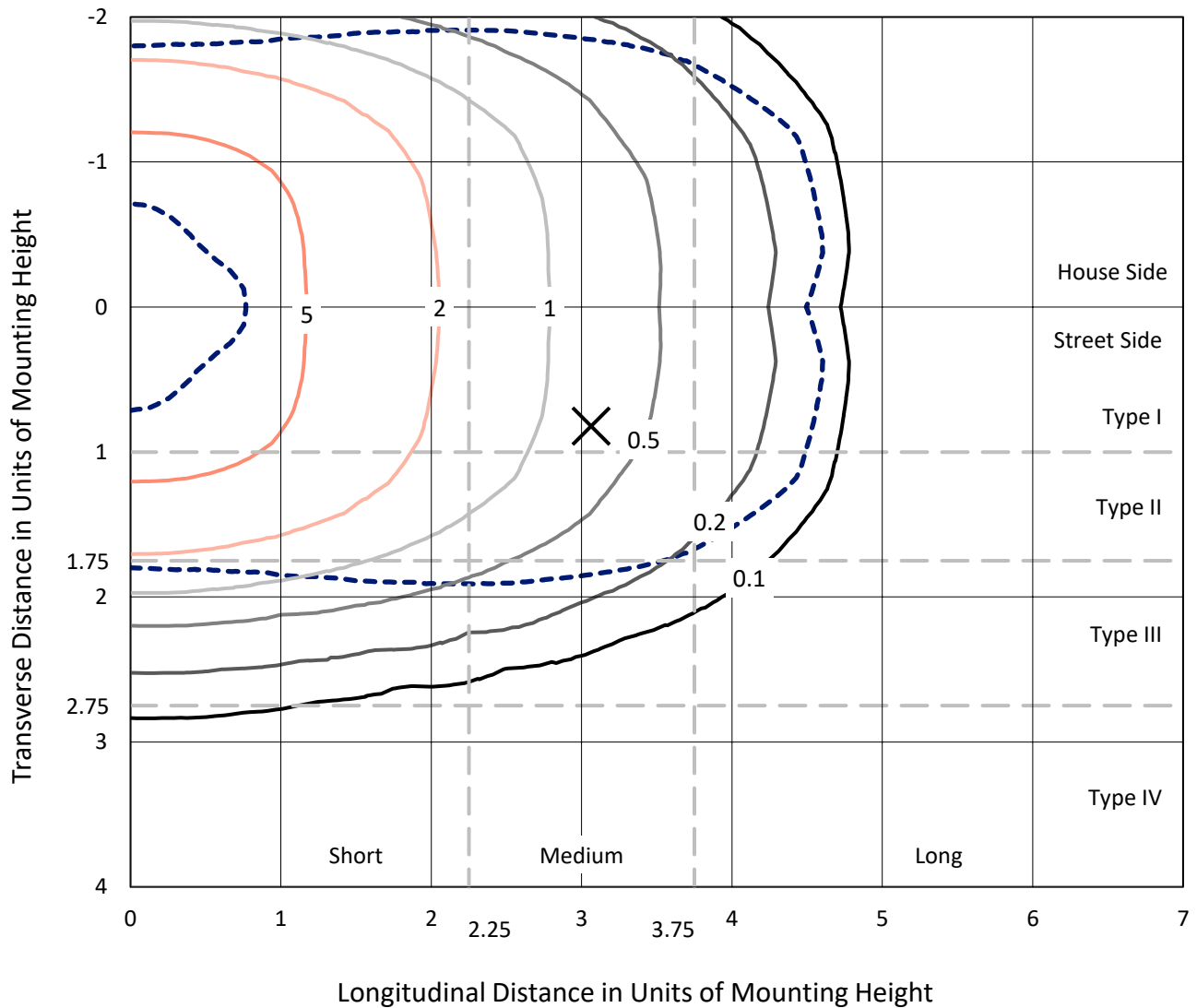
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

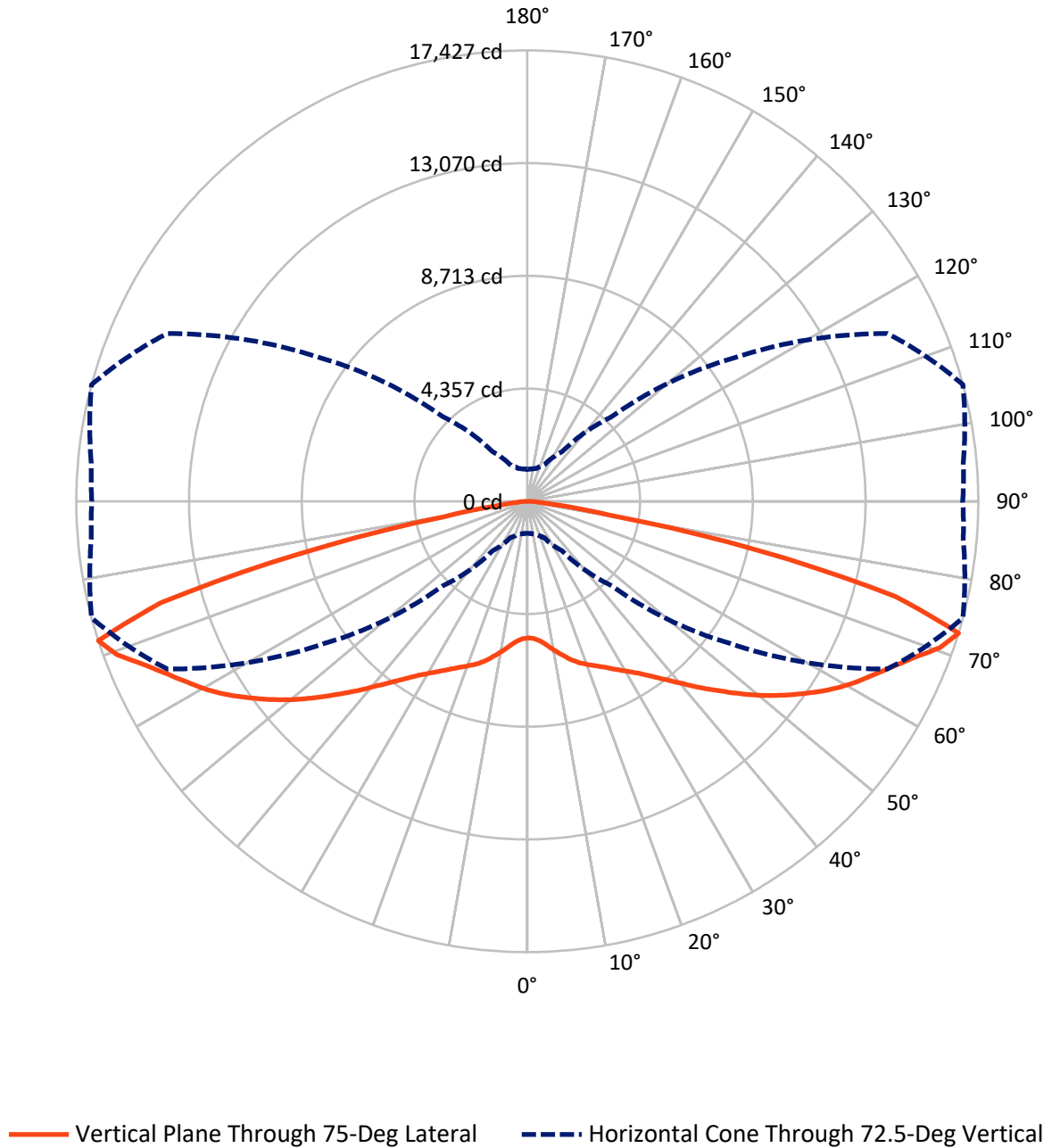
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	24640.5	0.0	24640.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24640.5	0.0	24640.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49281.0	0.0	49281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	1.0
10°-20°	1705.5	3.5
20°-30°	3295.6	6.7
30°-40°	5564.8	11.3
40°-50°	8825.2	17.9
50°-60°	11815.9	24.0
60°-70°	11244.9	22.8
70°-80°	5867.8	11.9
80°-90°	444.2	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°	49281.0	100.0
0°-180°	49281.0	100.0

Coefficient of Utilization



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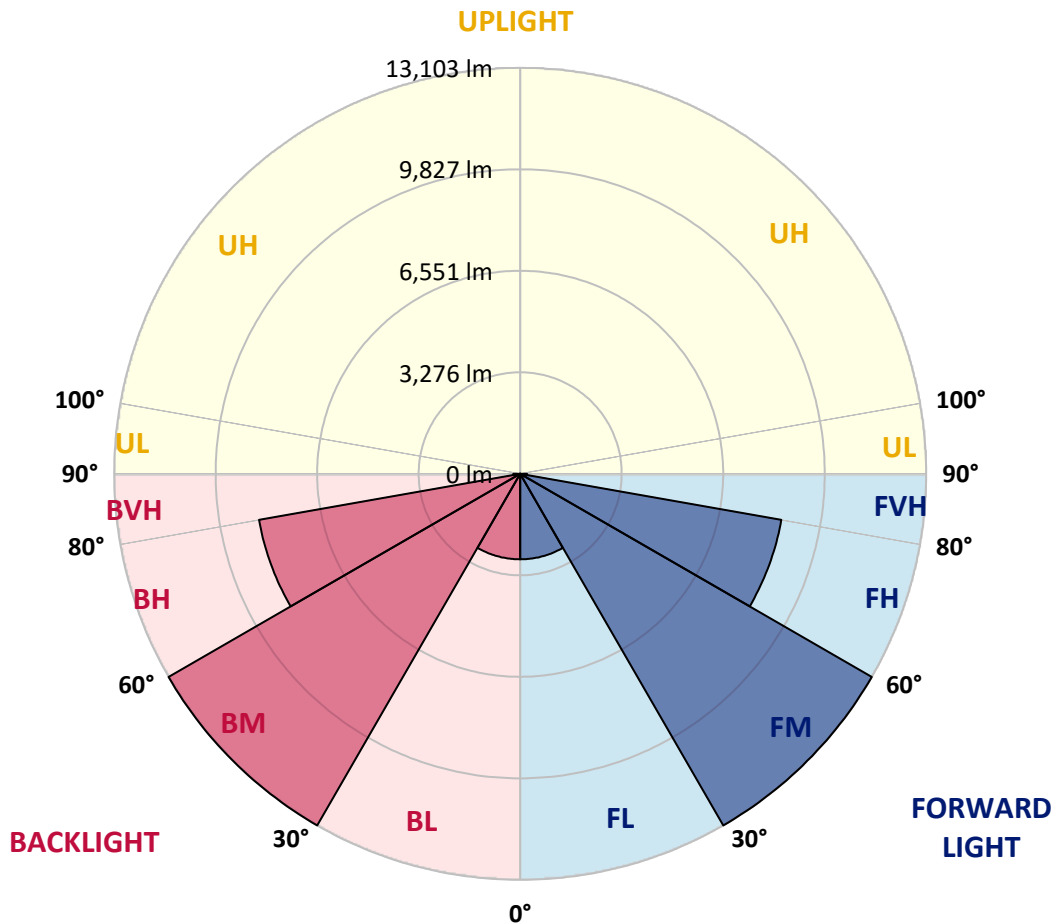
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2759.1	5.6			
FM (30°-60°)	13102.9	26.6			
FH (60°-80°)	8556.4	17.4			G4/12000
FVH (80°-90°)	222.1	0.5			G2/225
BL (0°-30°)	2759.1	5.6	B4/5000		
BM (30°-60°)	13102.9	26.6	B5		
BH (60°-80°)	8556.4	17.4	B5		G5
BVH (80°-90°)	222.1	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°	5278.9	5278.9	5278.9	5278.9	5278.9	5278.9	5278.9	5278.9	5278.9	5278.9
2.5°	5278.9	5273.8	5278.9	5283.9	5281.4	5281.4	5294.0	5301.5	5316.6	5314.1
5°	5243.7	5241.1	5261.3	5283.9	5301.5	5331.7	5369.5	5397.1	5432.4	5439.9
7.5°	5226.0	5218.5	5253.7	5294.0	5349.3	5424.8	5497.8	5573.3	5633.7	5653.8
10°	5238.6	5241.1	5288.9	5364.4	5452.5	5558.2	5661.3	5789.7	5875.2	5895.3
12.5°	5296.5	5291.5	5372.0	5492.7	5613.5	5746.9	5867.7	6008.6	6101.7	6149.5
15°	5402.2	5392.1	5505.3	5684.0	5860.1	6016.1	6114.2	6247.6	6355.8	6416.2
17.5°	5528.0	5533.0	5681.5	5912.9	6144.4	6320.6	6413.7	6481.6	6564.6	6617.5
20°	5749.4	5759.5	5925.5	6199.8	6464.0	6665.3	6740.8	6715.6	6738.2	6778.5
22.5°	6046.3	6051.3	6237.5	6534.4	6811.2	7032.6	7083.0	6979.8	6916.9	6944.6
25°	6391.0	6423.7	6609.9	6914.4	7198.7	7410.1	7432.7	7276.7	7120.7	7128.2
27.5°	6811.2	6841.4	7030.1	7332.1	7621.4	7805.1	7802.6	7593.7	7364.8	7306.9
30°	7266.6	7299.3	7493.1	7805.1	8074.3	8235.4	8200.1	7951.0	7623.9	7515.7
32.5°	7807.6	7827.7	8024.0	8336.0	8585.1	8713.4	8640.5	8333.5	7925.9	7802.6
35°	8461.8	8492.0	8637.9	8932.3	9151.2	9256.9	9133.6	8771.3	8313.4	8175.0
37.5°	9209.1	9189.0	9355.0	9616.7	9797.9	9863.3	9694.7	9264.5	8756.2	8592.6
40°	9989.1	9979.0	10160.2	10411.8	10509.9	10550.2	10301.1	9830.6	9267.0	9090.8
42.5°	10696.1	10688.6	10932.7	11212.0	11330.2	11284.9	10970.4	10431.9	9858.3	9657.0
45°	11262.3	11252.2	11551.6	11944.2	12175.6	12100.2	11677.4	11096.2	10457.1	10248.3
47.5°	11697.6	11702.6	12024.7	12510.3	12915.4	12943.1	12399.6	11773.1	11116.3	10879.8
50°	12012.1	12027.2	12371.9	12910.4	13463.9	13708.0	13136.8	12467.5	11798.2	11531.5
52.5°	12090.1	12117.8	12532.9	13164.5	13816.2	14281.7	13886.6	13134.3	12444.9	12190.7
55°	11674.9	11730.3	12256.2	13144.4	14032.6	14659.1	14545.8	13811.1	13096.5	12834.9
57.5°	10721.3	10799.3	11413.2	12573.2	13984.7	14918.2	15056.6	14460.3	13748.2	13496.6
60°	9385.2	9478.3	10067.1	11332.7	13310.4	15013.9	15416.4	15091.9	14347.1	14103.0
62.5°	7369.8	7490.6	8195.1	9679.6	11886.3	14568.5	15723.4	15663.0	14885.5	14581.1
65°	4727.8	4856.2	5598.4	7352.2	9986.6	13204.7	15819.0	16219.1	15454.2	15028.9
67.5°	2850.8	2908.7	3276.0	4456.1	7299.3	11149.0	15008.8	16835.5	16118.4	15590.0
70°	1824.2	1856.9	2075.8	2616.8	4126.5	8134.7	13000.9	16951.3	16923.6	16166.2
72.5°	1237.9	1248.0	1305.9	1549.9	2335.0	4622.2	9589.0	15346.0	17426.8	16908.5
75°	905.8	961.2	1054.3	1097.0	1326.0	2309.8	5495.3	10781.7	14686.8	14913.2
77.5°	674.3	676.8	805.2	855.5	946.1	1230.4	2324.9	6018.6	9118.5	9573.9
80°	571.2	541.0	538.5	689.4	712.1	767.4	1039.2	2078.3	3266.0	1980.2
82.5°	475.6	442.8	400.1	538.5	485.6	470.5	450.4	845.4	1039.2	510.8
85°	332.1	317.0	301.9	352.3	276.8	236.5	216.4	395.0	437.8	216.4
87.5°	143.4	148.5	151.0	156.0	115.7	83.0	83.0	110.7	110.7	85.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5278.9
5311.6
5439.9
5658.8
5915.5
6169.6
6438.8
6642.6
6808.7
6964.7
7140.8
7324.5
7528.3
7832.8
8195.1
8622.8
9148.7
9707.3
10296.1
10950.3
11612.0
12256.2
12907.8
13554.5
14155.8
14616.3
15081.8
15630.3
16161.2
16828.0
14364.7
8539.8
1497.1
435.3
191.2
62.9
0.0

OF REPORT)