

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: P954179

Luminaire Tested: **GALN-SB7C-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954179
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-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54845 lumens
Efficiency: N/A
Efficacy: 156.5 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

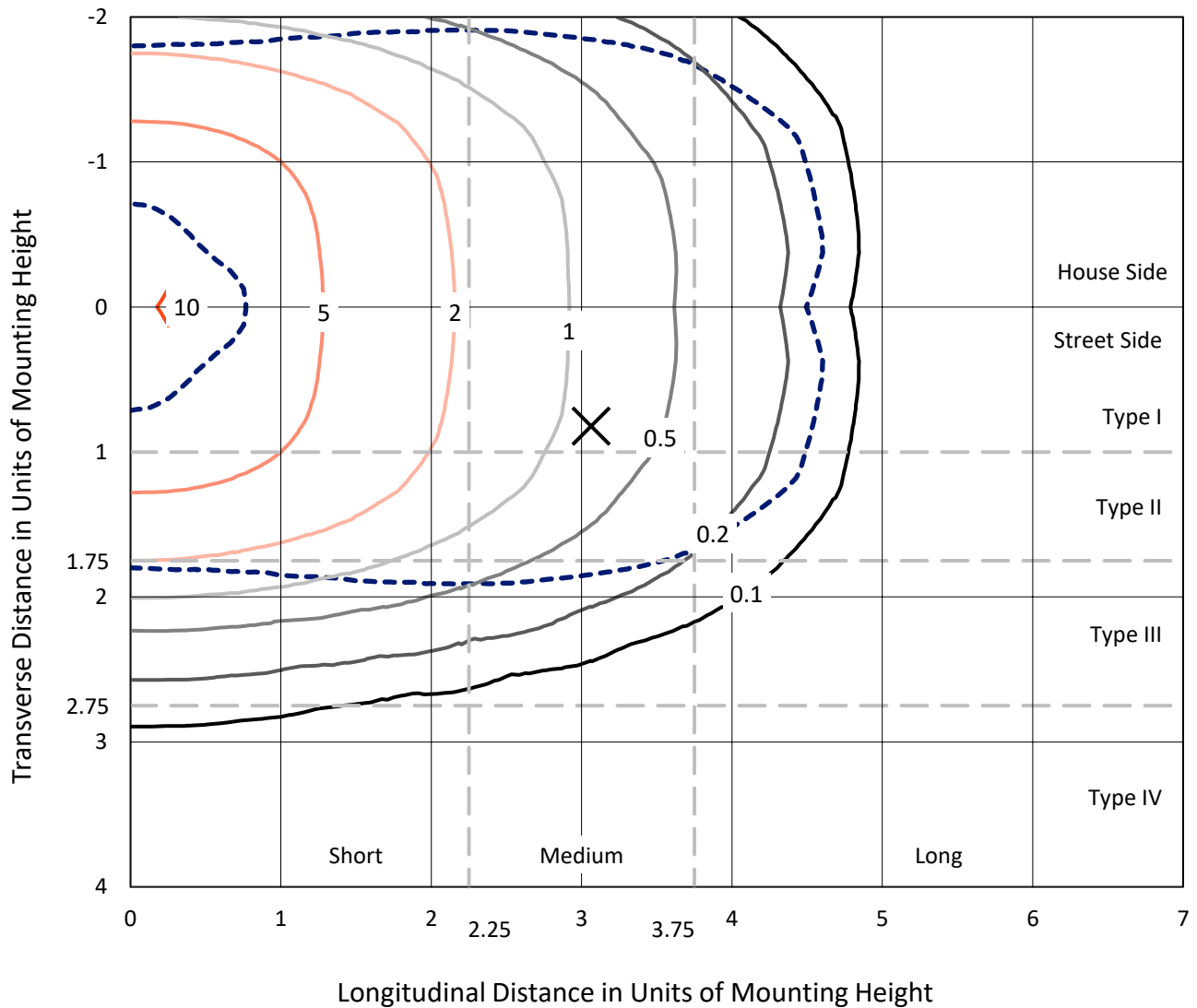
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

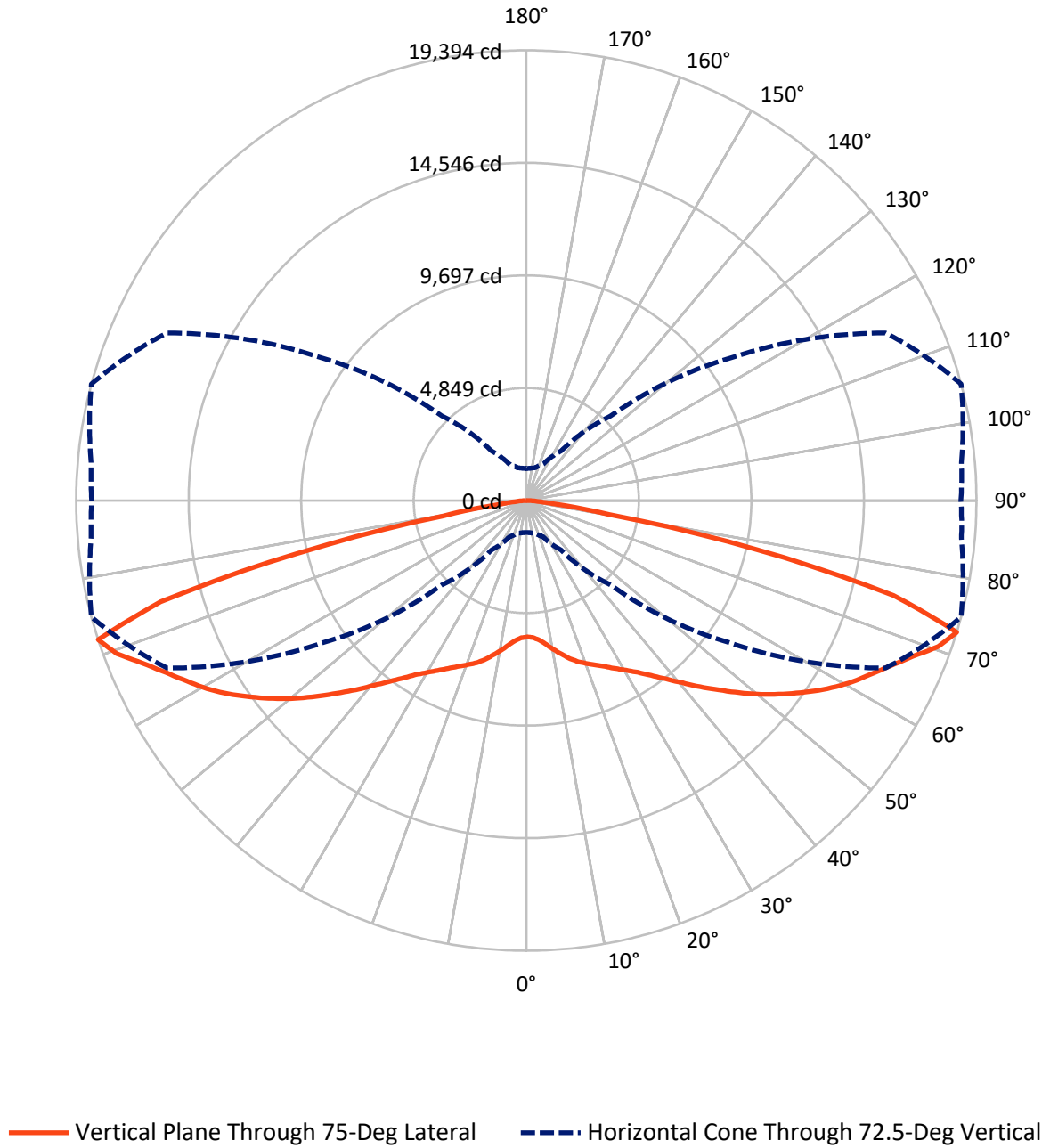
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	27422.5	0.0	27422.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27422.5	0.0	27422.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54845.0	0.0	54845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.5	1.0
10°-20°	1898.1	3.5
20°-30°	3667.7	6.7
30°-40°	6193.1	11.3
40°-50°	9821.6	17.9
50°-60°	13149.9	24.0
60°-70°	12514.5	22.8
70°-80°	6530.3	11.9
80°-90°	494.3	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°	54845.0	100.0
0°-180°	54845.0	100.0

Coefficient of Utilization



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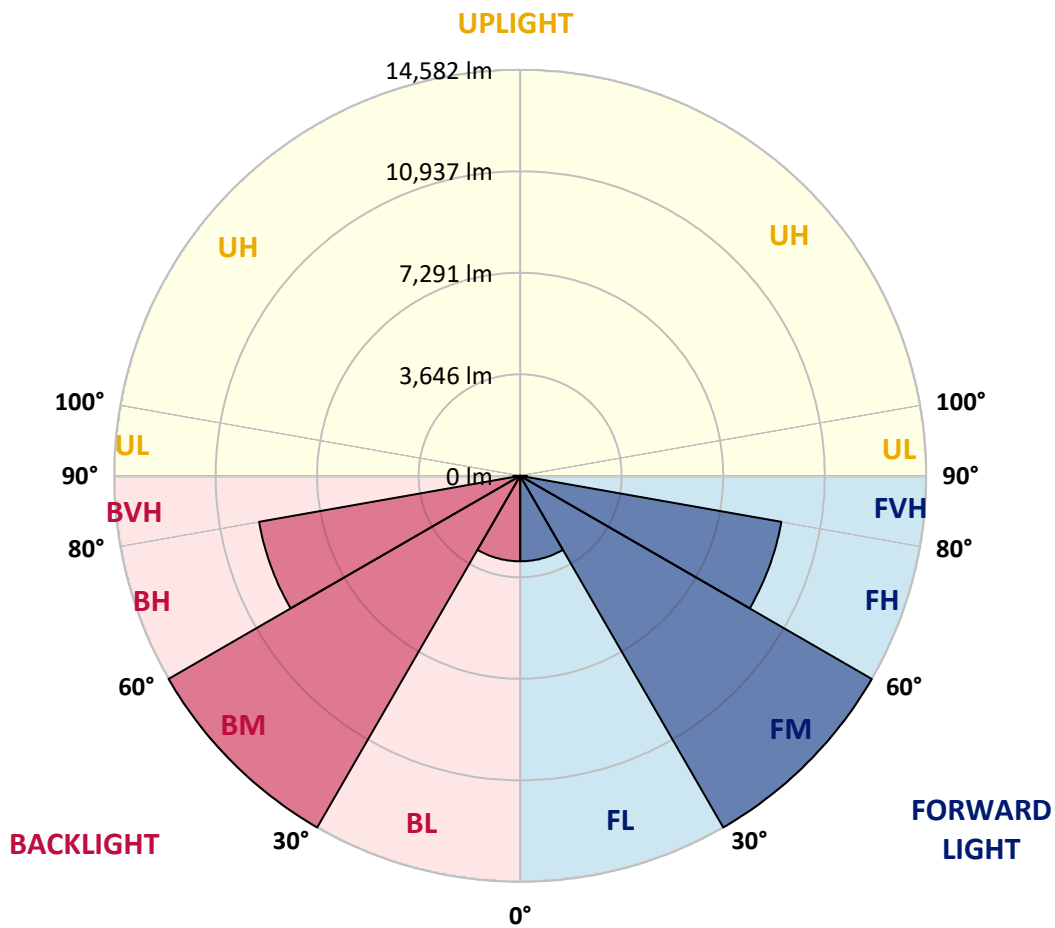
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3070.6	5.6			
FM (30°-60°)	14582.3	26.6			
FH (60°-80°)	9522.4	17.4			G4/12000
FVH (80°-90°)	247.1	0.5			G3/500
BL (0°-30°)	3070.6	5.6	B4/5000		
BM (30°-60°)	14582.3	26.6	B5		
BH (60°-80°)	9522.4	17.4	B5		G5
BVH (80°-90°)	247.1	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°	5874.9	5874.9	5874.9	5874.9	5874.9	5874.9	5874.9	5874.9	5874.9	5874.9
2.5°	5874.9	5869.3	5874.9	5880.5	5877.7	5877.7	5891.7	5900.1	5916.9	5914.1
5°	5835.7	5832.9	5855.3	5880.5	5900.1	5933.7	5975.7	6006.5	6045.7	6054.1
7.5°	5816.1	5807.7	5846.9	5891.7	5953.3	6037.3	6118.5	6202.5	6269.7	6292.1
10°	5830.1	5832.9	5886.1	5970.1	6068.1	6185.7	6300.5	6443.3	6538.5	6560.9
12.5°	5894.5	5888.9	5978.5	6112.9	6247.3	6395.7	6530.1	6686.9	6790.6	6843.8
15°	6012.1	6000.9	6126.9	6325.7	6521.7	6695.3	6804.6	6953.0	7073.4	7140.6
17.5°	6152.1	6157.7	6322.9	6580.5	6838.2	7034.2	7137.8	7213.4	7305.8	7364.6
20°	6398.5	6409.7	6594.5	6899.8	7193.8	7417.8	7501.8	7473.8	7499.0	7543.8
22.5°	6729.0	6734.6	6941.8	7272.2	7580.2	7826.6	7882.6	7767.8	7697.8	7728.6
25°	7112.6	7149.0	7356.2	7695.0	8011.5	8246.7	8271.9	8098.3	7924.6	7933.0
27.5°	7580.2	7613.8	7823.8	8159.9	8481.9	8686.3	8683.5	8451.1	8196.3	8131.9
30°	8087.1	8123.5	8339.1	8686.3	8985.9	9165.2	9125.9	8848.7	8484.7	8364.3
32.5°	8689.1	8711.5	8929.9	9277.2	9554.4	9697.2	9616.0	9274.4	8820.7	8683.5
35°	9417.2	9450.8	9613.2	9940.8	10184.4	10302.0	10164.8	9761.6	9252.0	9097.9
37.5°	10248.8	10226.4	10411.3	10702.5	10904.1	10976.9	10789.3	10310.4	9744.8	9562.8
40°	11116.9	11105.7	11307.3	11587.3	11696.6	11741.4	11464.1	10940.5	10313.2	10117.2
42.5°	11903.8	11895.4	12167.0	12477.8	12609.4	12559.0	12209.0	11609.8	10971.3	10747.3
45°	12533.8	12522.6	12855.9	13292.7	13550.3	13466.3	12995.9	12349.0	11637.8	11405.3
47.5°	13018.3	13023.9	13382.3	13922.7	14373.6	14404.4	13799.5	13102.3	12371.4	12108.2
50°	13368.3	13385.1	13768.7	14368.0	14984.0	15255.6	14620.0	13875.1	13130.3	12833.5
52.5°	13455.1	13485.9	13947.9	14650.8	15376.1	15894.1	15454.5	14617.2	13849.9	13567.1
55°	12993.1	13054.7	13639.9	14628.4	15616.9	16314.1	16188.1	15370.5	14575.2	14284.0
57.5°	11931.8	12018.6	12701.8	13992.7	15563.7	16602.6	16756.6	16092.9	15300.5	15020.4
60°	10444.9	10548.5	11203.7	12612.2	14813.2	16709.0	17157.0	16795.8	15966.9	15695.3
62.5°	8201.9	8336.3	9120.3	10772.5	13228.3	16213.3	17498.6	17431.4	16566.2	16227.3
65°	5261.6	5404.4	6230.5	8182.3	11114.1	14695.6	17605.0	18050.3	17199.0	16725.8
67.5°	3172.7	3237.1	3645.9	4959.2	8123.5	12407.8	16703.4	18736.3	17938.3	17350.2
70°	2030.2	2066.6	2310.2	2912.2	4592.4	9053.1	14468.8	18865.1	18834.3	17991.5
72.5°	1377.7	1388.9	1453.3	1724.9	2598.6	5144.0	10671.7	17078.6	19394.4	18817.5
75°	1008.1	1069.7	1173.3	1220.9	1475.7	2570.6	6115.7	11999.0	16344.9	16597.0
77.5°	750.5	753.3	896.1	952.1	1052.9	1369.3	2587.4	6698.1	10148.0	10654.9
80°	635.7	602.0	599.2	767.3	792.5	854.1	1156.5	2313.0	3634.7	2203.8
82.5°	529.2	492.8	445.2	599.2	540.4	523.6	501.2	940.9	1156.5	568.4
85°	369.6	352.8	336.0	392.0	308.0	263.2	240.8	439.6	487.2	240.8
87.5°	159.6	165.2	168.0	173.6	128.8	92.4	92.4	123.2	123.2	95.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5874.9
5911.3
6054.1
6297.7
6583.3
6866.2
7165.8
7392.6
7577.4
7751.0
7947.1
8151.5
8378.3
8717.1
9120.3
9596.4
10181.6
10803.3
11458.5
12186.6
12923.1
13639.9
14365.2
15084.8
15754.1
16266.5
16784.6
17395.0
17985.9
18727.9
15986.5
9504.0
1666.1
484.4
212.8
70.0
0.0

OF REPORT)