

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: P953822

Luminaire Tested: **GALN-SB7B-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953822
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-SB7B-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41238 lumens
Efficiency: N/A
Efficacy: 160.6 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

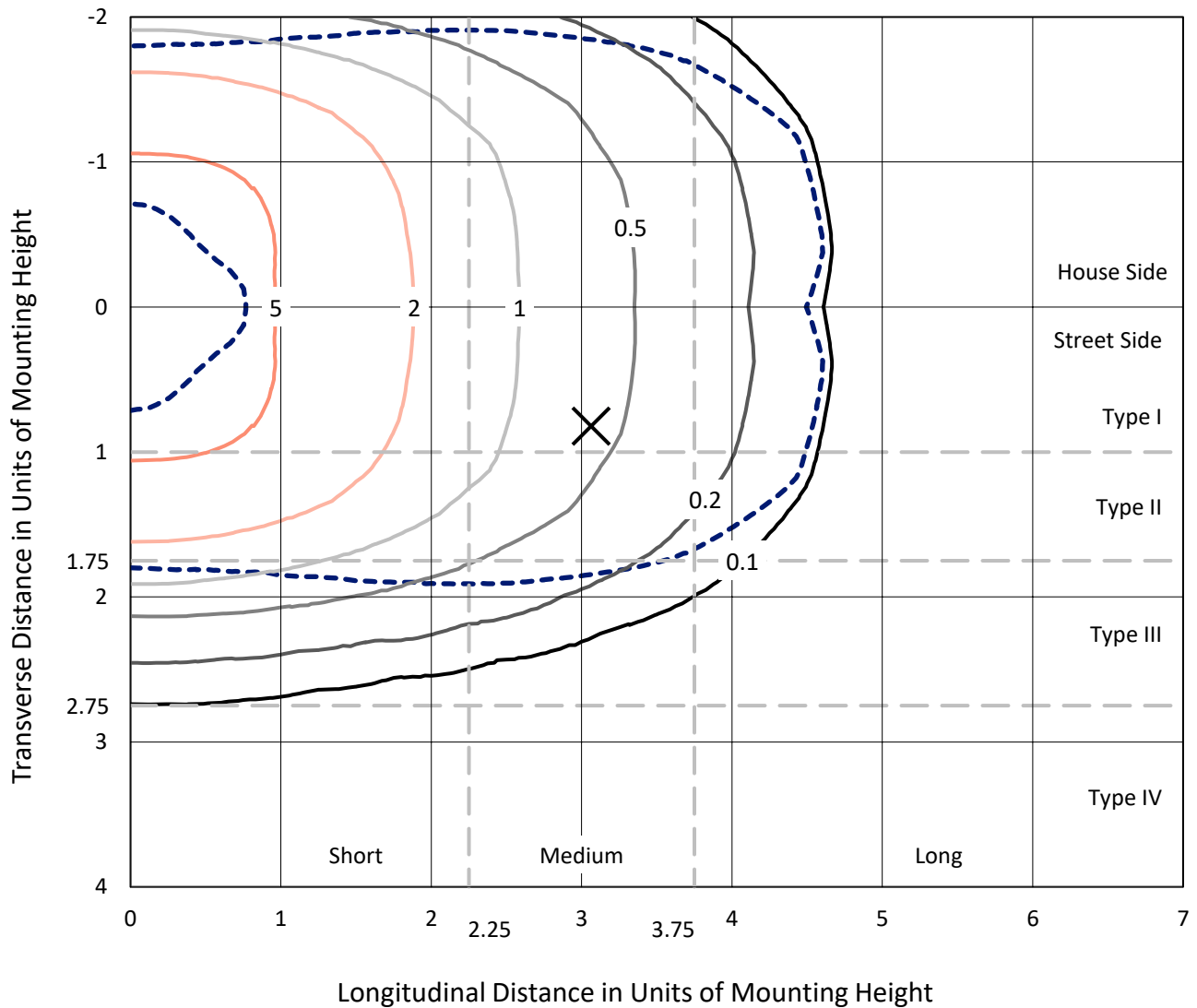
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953822
 CATALOG NUMBER: GALN-SB7B-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

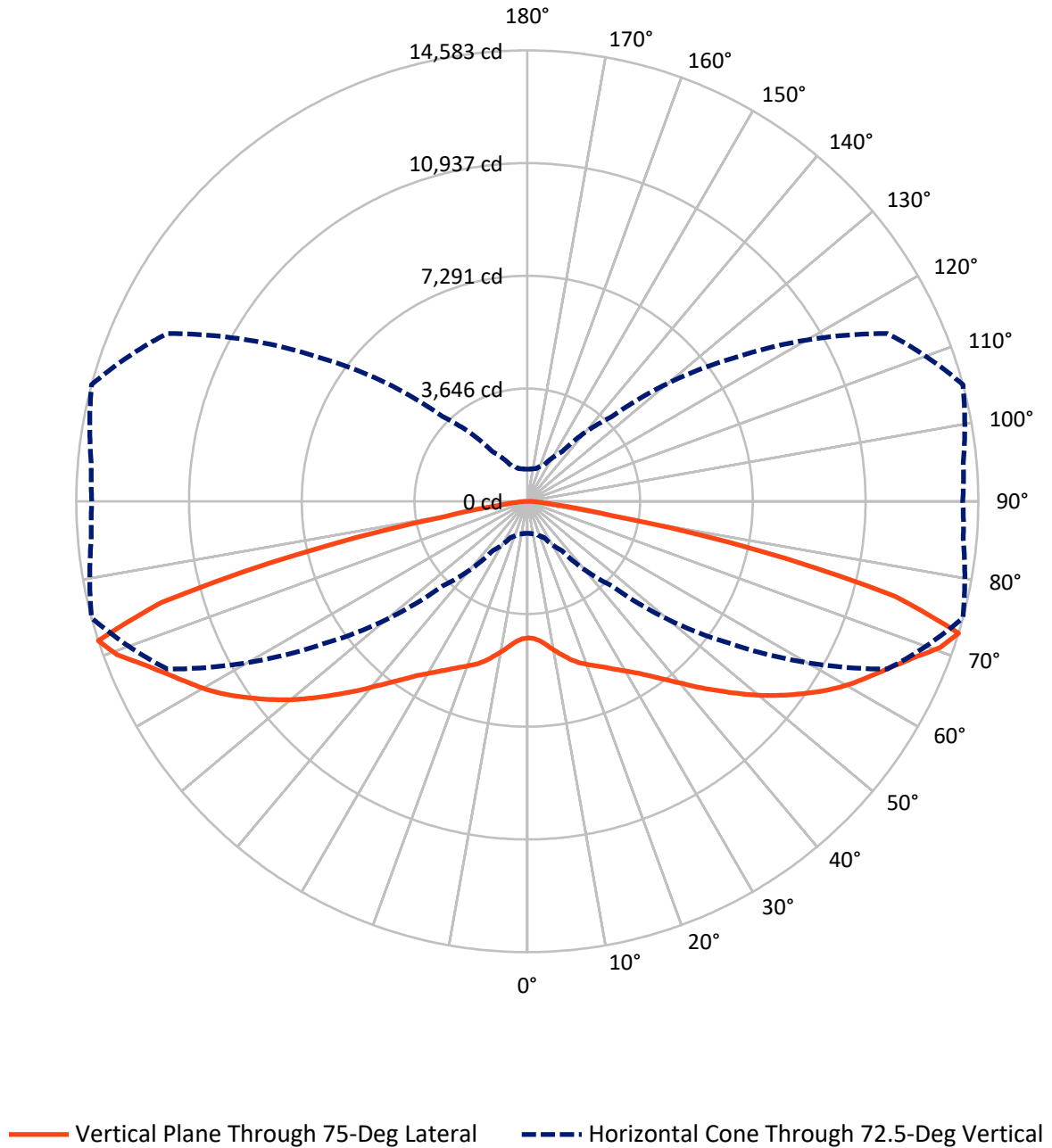
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P953822
CATALOG NUMBER: GALN-SB7B-735-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P953822
 CATALOG NUMBER: GALN-SB7B-735-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20619.0	0.0	20619.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20619.0	0.0	20619.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41238.0	0.0	41238.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.7	1.0
10°-20°	1427.2	3.5
20°-30°	2757.7	6.7
30°-40°	4656.6	11.3
40°-50°	7384.8	17.9
50°-60°	9887.4	24.0
60°-70°	9409.7	22.8
70°-80°	4910.1	11.9
80°-90°	371.7	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°	41238.0	100.0
0°-180°	41238.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953822

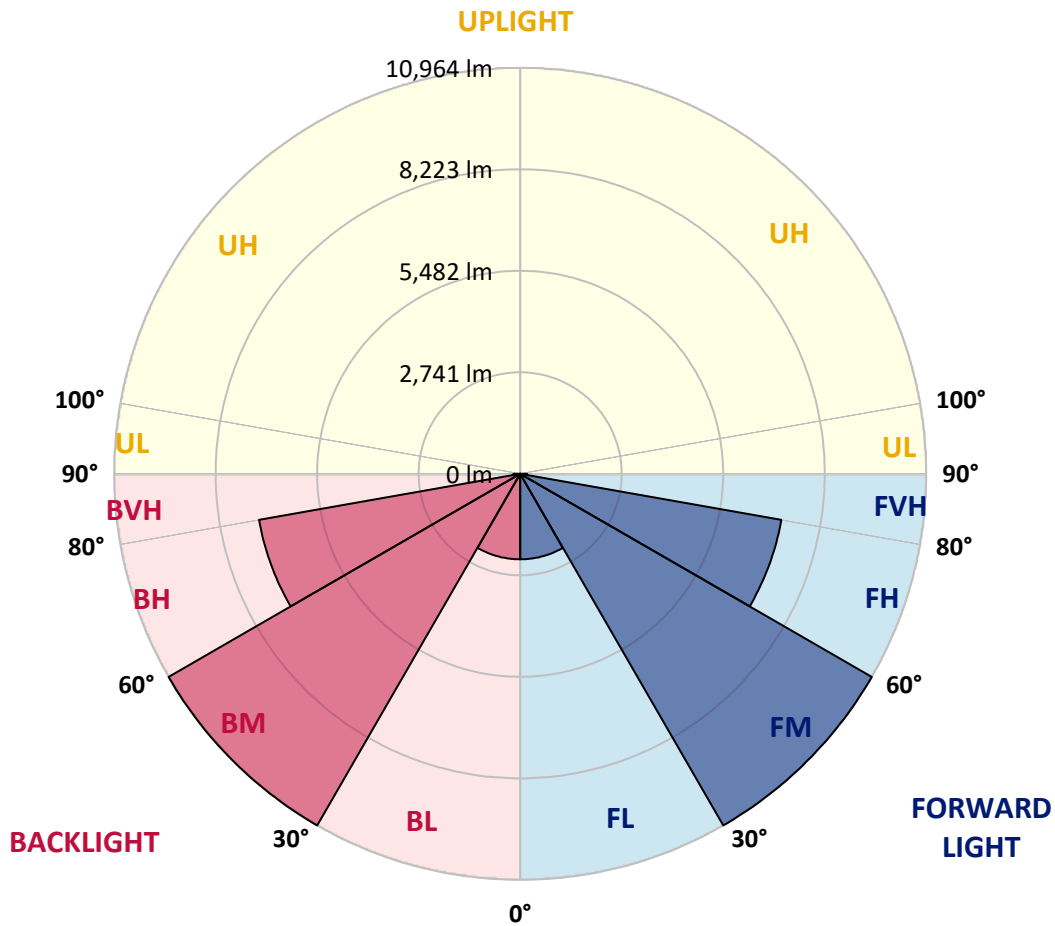
CATALOG NUMBER: GALN-SB7B-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2308.8	5.6			
FM (30°-60°)	10964.4	26.6			
FH (60°-80°)	7159.9	17.4			G3/7500
FVH (80°-90°)	185.8	0.5			G2/225
BL (0°-30°)	2308.8	5.6	B3/2500		
BM (30°-60°)	10964.4	26.6	B5		
BH (60°-80°)	7159.9	17.4	B5		G5
BVH (80°-90°)	185.8	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



REPORT NUMBER: P953822

CATALOG NUMBER: GALN-SB7B-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4417.3	4417.3	4417.3	4417.3	4417.3	4417.3	4417.3	4417.3	4417.3	4417.3
2.5°	4417.3	4413.1	4417.3	4421.5	4419.4	4419.4	4430.0	4436.3	4448.9	4446.8
5°	4387.9	4385.7	4402.6	4421.5	4436.3	4461.5	4493.1	4516.3	4545.8	4552.1
7.5°	4373.1	4366.8	4396.3	4430.0	4476.3	4539.4	4600.5	4663.7	4714.2	4731.0
10°	4383.6	4385.7	4425.7	4488.9	4562.6	4651.0	4737.4	4844.7	4916.3	4933.2
12.5°	4432.1	4427.9	4495.2	4596.3	4697.4	4809.0	4910.0	5027.9	5105.8	5145.8
15°	4520.5	4512.1	4606.8	4756.3	4903.7	5034.2	5116.4	5227.9	5318.5	5369.0
17.5°	4625.8	4630.0	4754.2	4947.9	5141.6	5289.0	5366.9	5423.8	5493.2	5537.5
20°	4811.1	4819.5	4958.4	5187.9	5409.0	5577.5	5640.6	5619.6	5638.5	5672.2
22.5°	5059.5	5063.7	5219.5	5468.0	5699.6	5884.9	5927.0	5840.6	5788.0	5811.2
25°	5348.0	5375.3	5531.1	5785.9	6023.8	6200.7	6219.6	6089.1	5958.6	5964.9
27.5°	5699.6	5724.8	5882.8	6135.4	6377.5	6531.2	6529.1	6354.4	6162.8	6114.4
30°	6080.7	6108.0	6270.2	6531.2	6756.5	6891.3	6861.8	6653.4	6379.6	6289.1
32.5°	6533.4	6550.2	6714.4	6975.5	7183.9	7291.3	7230.3	6973.4	6632.3	6529.1
35°	7080.8	7106.0	7228.2	7474.5	7657.7	7746.1	7642.9	7339.8	6956.6	6840.8
37.5°	7706.1	7689.3	7828.2	8047.2	8198.8	8253.5	8112.5	7752.4	7327.1	7190.3
40°	8358.8	8350.4	8502.0	8712.5	8794.7	8828.3	8619.9	8226.2	7754.5	7607.2
42.5°	8950.5	8944.1	9148.4	9382.1	9481.0	9443.1	9180.0	8729.4	8249.3	8080.9
45°	9424.2	9415.8	9666.3	9994.8	10188.5	10125.3	9771.6	9285.2	8750.4	8575.7
47.5°	9788.4	9792.7	10062.2	10468.5	10807.5	10830.7	10375.9	9851.6	9302.1	9104.2
50°	10051.6	10064.3	10352.7	10803.3	11266.5	11470.7	10992.8	10432.7	9872.7	9649.5
52.5°	10116.9	10140.1	10487.5	11015.9	11561.3	11950.8	11620.2	10990.7	10413.8	10201.1
55°	9769.5	9815.8	10255.9	10999.1	11742.3	12266.6	12171.9	11557.1	10959.1	10740.1
57.5°	8971.5	9036.8	9550.5	10521.2	11702.3	12483.5	12599.3	12100.3	11504.4	11293.9
60°	7853.5	7931.4	8424.1	9483.1	11138.1	12563.5	12900.4	12628.8	12005.5	11801.3
62.5°	6167.0	6268.1	6857.6	8099.8	9946.4	12190.8	13157.2	13106.7	12456.1	12201.3
65°	3956.2	4063.6	4684.7	6152.3	8356.7	11049.6	13237.2	13572.0	12931.9	12576.1
67.5°	2385.5	2434.0	2741.4	3728.8	6108.0	9329.4	12559.3	14087.9	13487.8	13045.6
70°	1526.5	1553.9	1737.0	2189.7	3453.0	6807.1	10879.1	14184.7	14161.6	13527.8
72.5°	1035.9	1044.3	1092.8	1297.0	1953.9	3867.8	8024.0	12841.4	14582.7	14148.9
75°	758.0	804.3	882.2	918.0	1109.6	1932.8	4598.4	9022.0	12289.8	12479.3
77.5°	564.3	566.4	673.8	715.9	791.7	1029.6	1945.5	5036.3	7630.3	8011.4
80°	477.9	452.7	450.6	576.9	595.9	642.2	869.6	1739.1	2732.9	1657.0
82.5°	397.9	370.6	334.8	450.6	406.4	393.7	376.9	707.4	869.6	427.4
85°	277.9	265.3	252.7	294.8	231.6	197.9	181.1	330.6	366.4	181.1
87.5°	120.0	124.2	126.3	130.5	96.9	69.5	69.5	92.6	92.6	71.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4417.3
4444.7
4552.1
4735.3
4950.0
5162.7
5388.0
5558.5
5697.5
5828.0
5975.4
6129.1
6299.6
6554.4
6857.6
7215.5
7655.6
8123.0
8615.7
9163.1
9716.9
10255.9
10801.2
11342.3
11845.5
12230.8
12620.3
13079.3
13523.6
14081.5
12020.3
7146.0
1252.8
364.3
160.0
52.6
0.0

OF REPORT)