

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: P943213

Luminaire Tested: **GALN-SB7C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47343 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

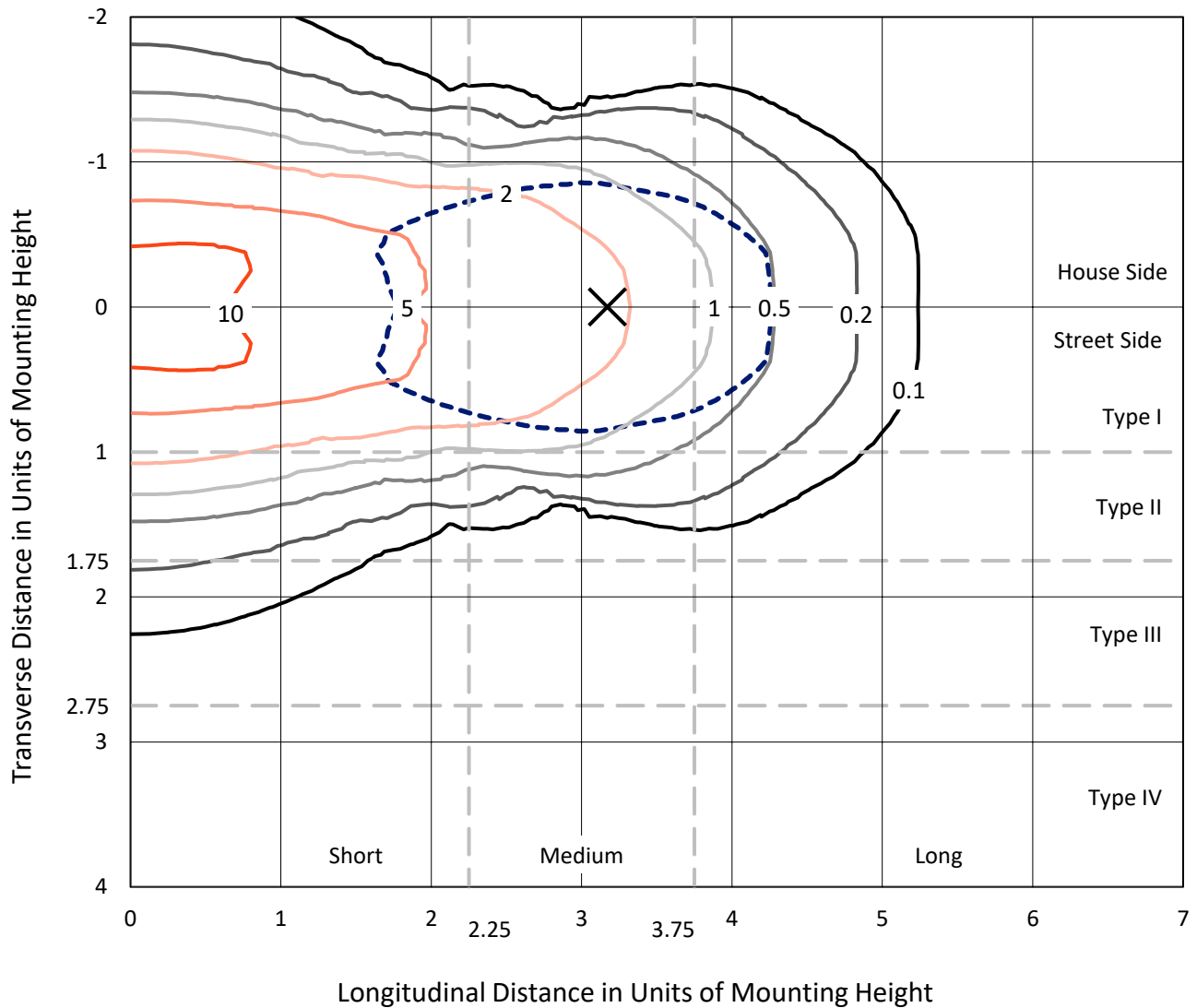
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

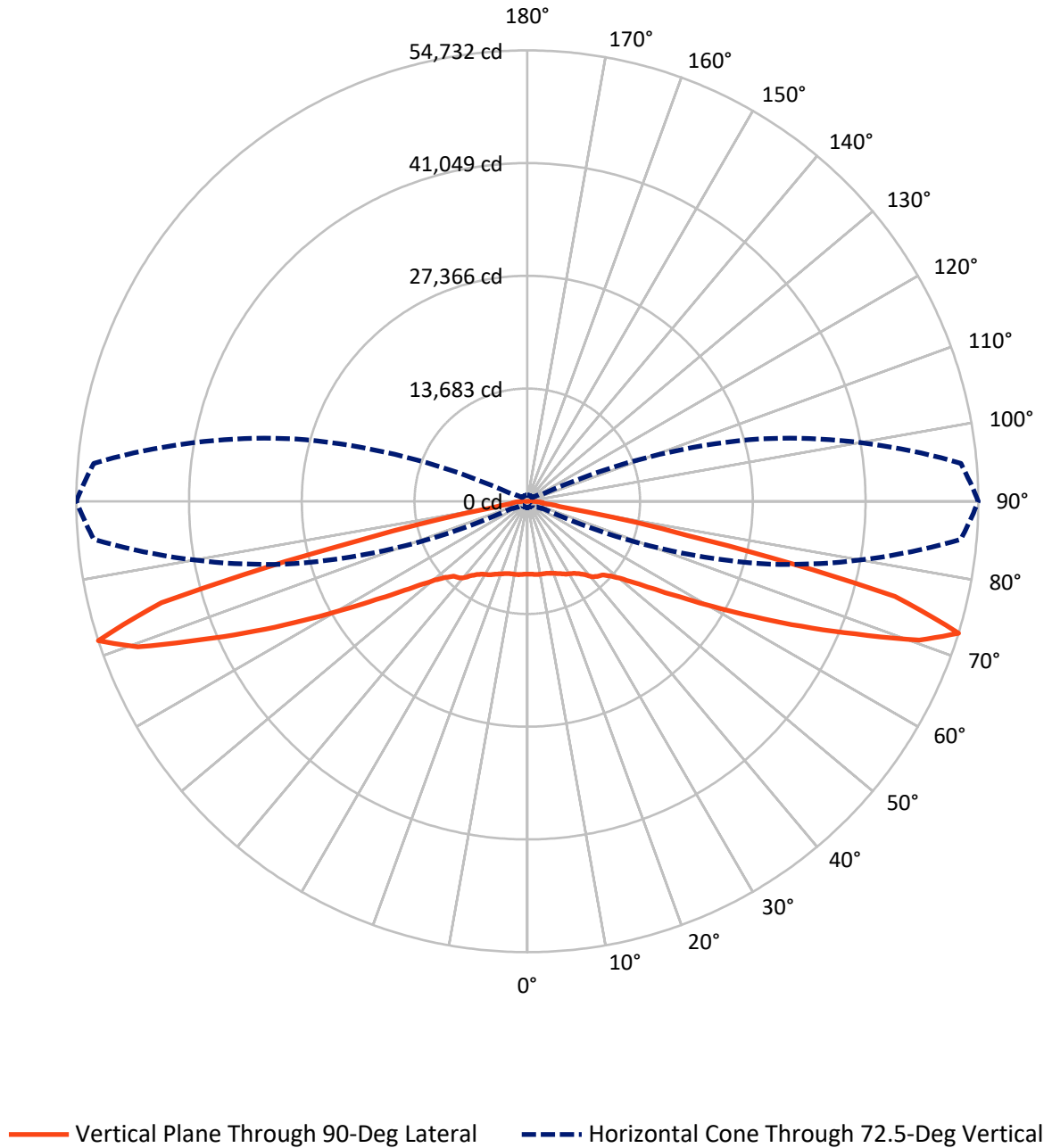
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23671.5	0.0	23671.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23671.5	0.0	23671.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47343.0	0.0	47343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.8	1.8
10°-20°	2622.7	5.5
20°-30°	4373.2	9.2
30°-40°	6014.5	12.7
40°-50°	7345.3	15.5
50°-60°	8495.7	17.9
60°-70°	10129.7	21.4
70°-80°	7069.9	14.9
80°-90°	434.2	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°	47343.0	100.0
0°-180°	47343.0	100.0

Coefficient of Utilization



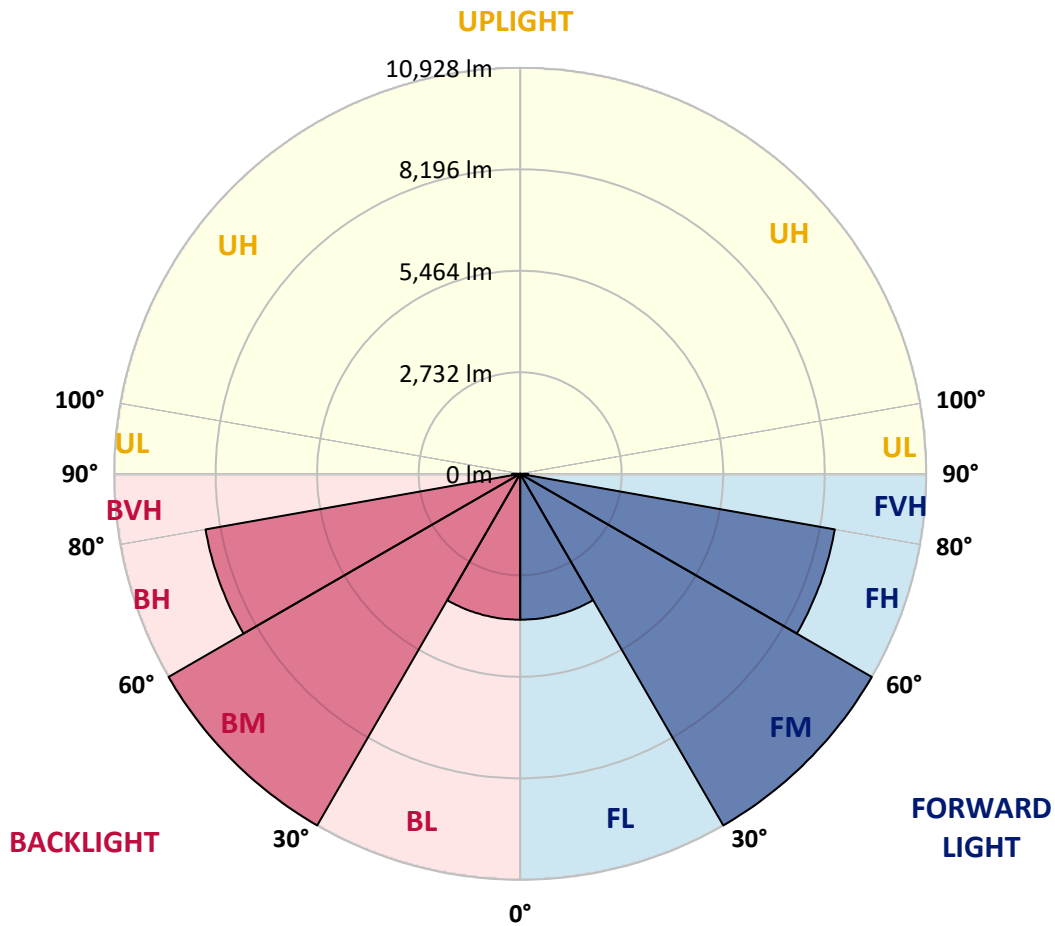
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3926.9	8.3			
FM (30°-60°)	10927.8	23.1			
FH (60°-80°)	8599.8	18.2			G4/12000
FVH (80°-90°)	217.1	0.5			G2/225
BL (0°-30°)	3926.9	8.3	B4/5000		
BM (30°-60°)	10927.8	23.1	B5		
BH (60°-80°)	8599.8	18.2	B5		G5
BVH (80°-90°)	217.1	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8846.5	8846.5	8846.5	8846.5	8846.5	8846.5	8846.5	8846.5	8846.5	8846.5
2.5°	8854.1	8864.2	8864.2	8856.6	8874.2	8859.1	8859.1	8851.6	8859.1	8851.6
5°	8899.4	8912.0	8917.0	8914.5	8937.1	8924.5	8924.5	8914.5	8917.0	8909.4
7.5°	8984.9	9002.5	9012.6	9025.2	9057.9	9042.8	9032.7	9002.5	8990.0	8969.8
10°	9012.6	9032.7	9065.4	9130.9	9206.3	9208.9	9178.7	9103.2	9045.3	9000.0
12.5°	8927.1	8954.7	9022.7	9156.0	9324.6	9392.5	9344.7	9218.9	9105.7	9025.2
15°	8818.9	8849.1	8952.2	9153.5	9402.6	9561.1	9556.1	9390.0	9208.9	9083.1
17.5°	8650.3	8680.5	8828.9	9110.7	9463.0	9724.7	9795.1	9624.0	9369.9	9201.3
20°	8345.8	8373.5	8579.8	8974.9	9483.1	9898.3	10081.9	9931.0	9613.9	9385.0
22.5°	7950.8	7993.6	8235.1	8740.9	9435.3	10079.4	10409.0	10305.9	9898.3	9581.2
25°	7528.1	7573.4	7855.2	8454.0	9312.0	10210.3	10796.5	10731.1	10220.3	9825.3
27.5°	7163.3	7211.1	7518.0	8169.7	9120.8	10260.6	11178.9	11211.7	10610.3	10094.5
30°	6876.4	6921.7	7248.8	7940.8	8874.2	10210.3	11513.6	11740.0	11007.9	10328.5
32.5°	6561.9	6619.8	6964.5	7661.5	8582.4	10089.5	11805.5	12311.2	11468.3	10580.1
35°	6164.4	6217.2	6579.6	7279.0	8199.9	9895.7	12049.5	12945.2	12127.5	10962.6
37.5°	5681.3	5731.6	6091.4	6801.0	7820.0	9624.0	12235.7	13659.8	12912.5	11513.6
40°	5195.7	5243.5	5580.7	6267.6	7364.6	9276.8	12301.1	14359.3	13813.3	12270.9
42.5°	4750.4	4793.1	5102.6	5741.7	6853.8	8834.0	12215.6	14968.2	14620.9	12799.3
45°	4340.2	4378.0	4652.2	5248.5	6322.9	8295.5	11958.9	15622.3	15582.1	13176.7
47.5°	3872.2	3910.0	4194.3	4770.5	5792.0	7664.0	11523.6	16266.5	16918.1	14032.2
50°	3301.1	3333.8	3625.7	4219.5	5241.0	6992.2	10919.8	16772.2	18603.9	15328.0
52.5°	2624.3	2659.5	2943.8	3537.6	4586.8	6270.1	10124.7	17101.8	20551.3	17220.1
55°	1952.5	1977.6	2224.2	2757.6	3776.6	5447.3	9128.3	17194.9	22760.5	19806.6
57.5°	1416.6	1431.6	1590.2	1987.7	2863.3	4418.2	7918.1	16953.4	25389.8	23122.8
60°	1147.3	1152.4	1200.2	1376.3	1990.2	3255.8	6456.3	16123.0	28243.0	27397.6
62.5°	1041.7	1041.7	1054.2	1102.0	1346.1	2148.7	4687.5	14402.0	31302.6	32799.6
65°	968.7	968.7	973.7	996.4	1061.8	1368.7	2958.9	11599.1	33881.5	39127.6
67.5°	903.3	905.8	903.3	910.8	948.6	1011.5	1716.0	8011.2	35270.4	45684.5
70°	835.3	840.4	827.8	827.8	858.0	860.5	1074.4	4393.1	34118.1	51179.6
72.5°	754.8	762.4	742.2	737.2	759.9	749.8	807.7	2108.5	29292.2	52820.1
75°	684.4	694.4	649.1	636.6	636.6	629.0	656.7	1081.9	19011.5	43087.9
77.5°	621.5	641.6	568.6	528.4	518.3	495.7	535.9	661.7	8315.6	20229.3
80°	513.3	541.0	468.0	420.2	402.6	377.4	422.7	463.0	2473.3	4697.5
82.5°	382.4	395.0	332.1	299.4	284.3	266.7	317.0	322.1	805.1	1663.1
85°	244.1	249.1	203.8	176.1	168.6	161.0	201.3	176.1	307.0	1222.8
87.5°	85.5	98.1	78.0	70.5	75.5	62.9	93.1	52.8	85.5	863.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8846.5
8851.6
8909.4
8969.8
8992.5
9012.6
9062.9
9173.6
9342.2
9523.4
9744.8
10009.0
10205.2
10424.1
10789.0
11282.1
12024.3
12482.3
12749.0
13539.0
14709.0
16457.7
18853.0
21922.6
25885.4
30774.2
36566.2
42919.3
50452.4
54732.3
46087.0
19809.1
4498.8
1879.5
1776.4
1069.3
0.0

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