

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: P944573

Luminaire Tested: **GALN-SB9C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944573
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-SB9C-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 60635 lumens
Efficiency: N/A
Efficacy: 134.8 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

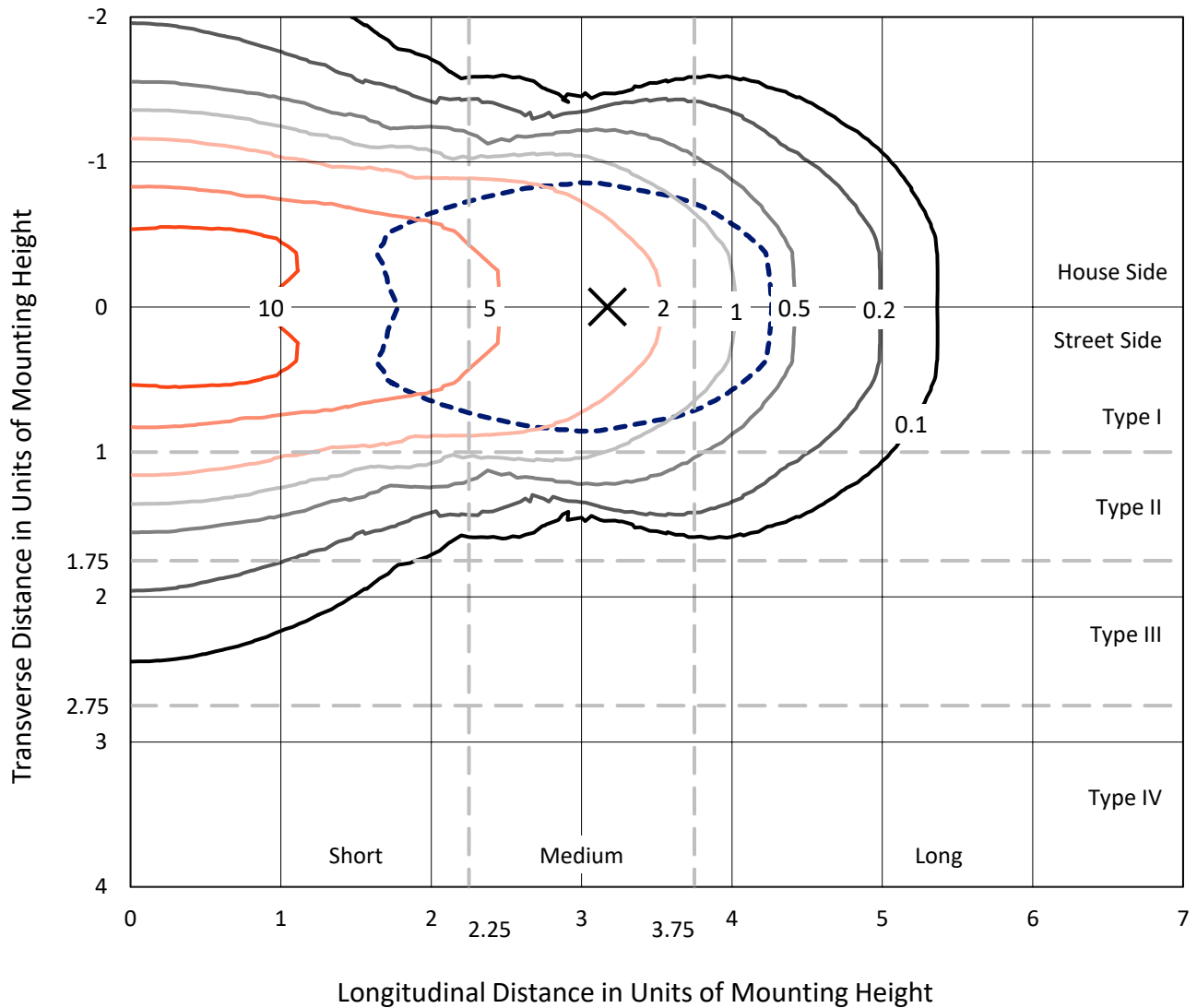
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

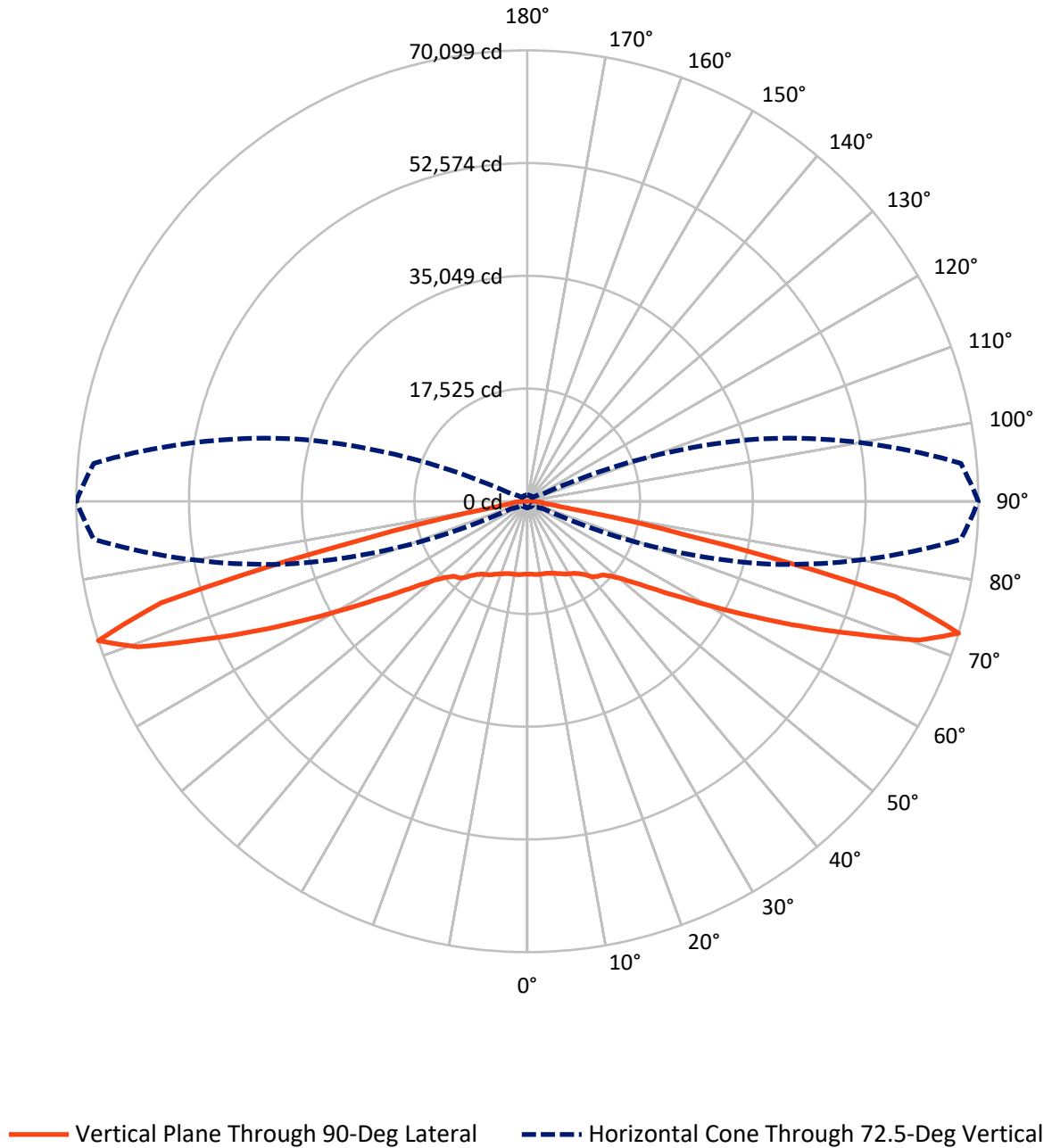
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 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	30317.5	0.0	30317.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30317.5	0.0	30317.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	60635.0	0.0	60635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1098.6	1.8
10°-20°	3359.1	5.5
20°-30°	5601.0	9.2
30°-40°	7703.1	12.7
40°-50°	9407.6	15.5
50°-60°	10880.9	17.9
60°-70°	12973.7	21.4
70°-80°	9054.8	14.9
80°-90°	556.2	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°	60635.0	100.0
0°-180°	60635.0	100.0

Coefficient of Utilization



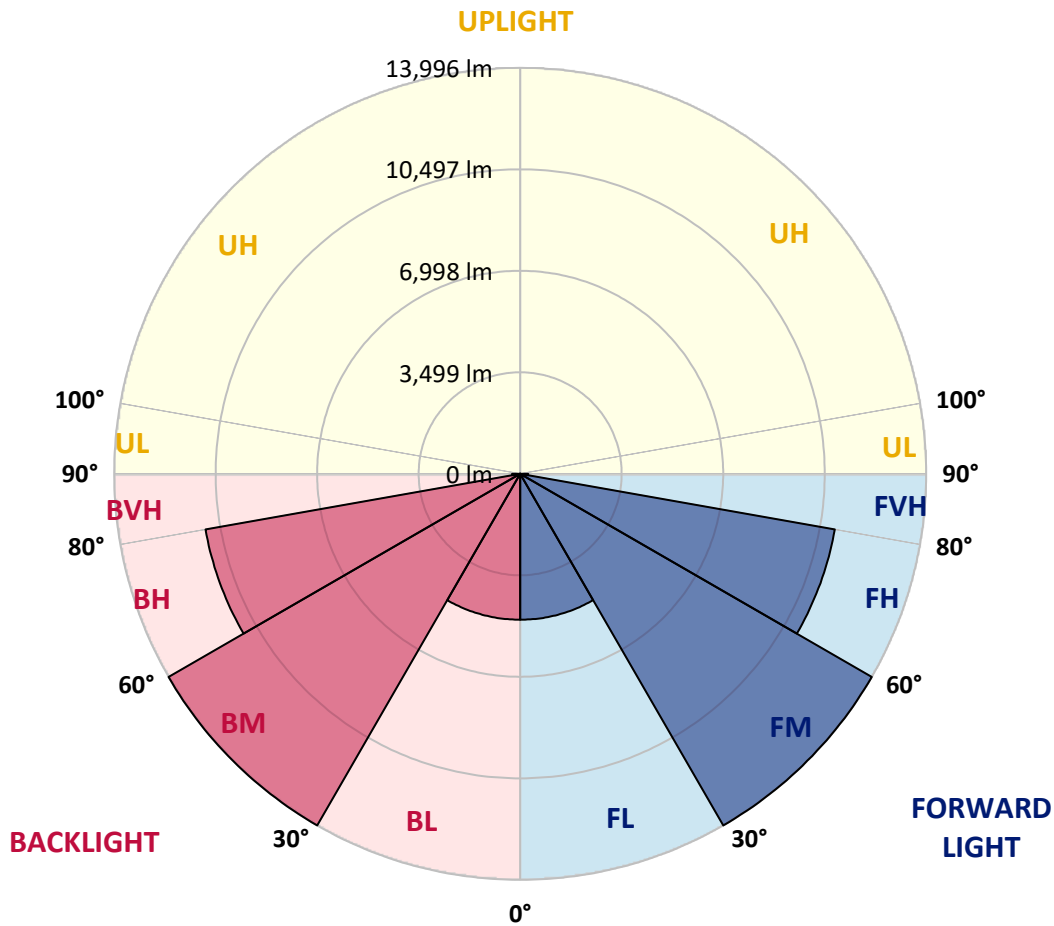
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5029.4	8.3			
FM (30°-60°)	13995.8	23.1			
FH (60°-80°)	11014.2	18.2			G4/12000
FVH (80°-90°)	278.1	0.5			G3/500
BL (0°-30°)	5029.4	8.3	B5		
BM (30°-60°)	13995.8	23.1	B5		
BH (60°-80°)	11014.2	18.2	B5		G5
BVH (80°-90°)	278.1	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11330.3	11330.3	11330.3	11330.3	11330.3	11330.3	11330.3	11330.3	11330.3	11330.3
2.5°	11340.0	11352.8	11352.8	11343.2	11365.7	11346.4	11346.4	11336.7	11346.4	11336.7
5°	11398.0	11414.1	11420.5	11417.3	11446.3	11430.2	11430.2	11417.3	11420.5	11410.9
7.5°	11507.5	11530.1	11543.0	11559.1	11601.0	11581.6	11568.8	11530.1	11514.0	11488.2
10°	11543.0	11568.8	11610.6	11694.4	11791.1	11794.3	11755.7	11659.0	11584.9	11526.9
12.5°	11433.4	11468.9	11555.9	11726.7	11942.6	12029.6	11968.3	11807.2	11662.2	11559.1
15°	11294.8	11333.5	11465.6	11723.4	12042.5	12245.5	12239.0	12026.3	11794.3	11633.2
17.5°	11078.9	11117.6	11307.7	11668.7	12119.8	12454.9	12545.2	12326.0	12000.6	11784.7
20°	10689.0	10724.5	10988.7	11494.6	12145.6	12677.3	12912.5	12719.2	12313.2	12019.9
22.5°	10183.1	10237.9	10547.2	11194.9	12084.4	12909.3	13331.5	13199.3	12677.3	12271.3
25°	9641.7	9699.7	10060.6	10827.6	11926.5	13076.9	13827.7	13743.9	13089.8	12583.8
27.5°	9174.4	9235.7	9628.8	10463.4	11681.5	13141.3	14317.5	14359.4	13589.3	12928.6
30°	8807.1	8865.1	9284.0	10170.2	11365.7	13076.9	14746.1	15036.2	14098.4	13228.3
32.5°	8404.3	8478.4	8919.9	9812.5	10991.9	12922.2	15119.9	15767.7	14688.1	13550.6
35°	7895.1	7962.8	8426.8	9322.7	10502.1	12674.1	15432.5	16579.7	15532.4	14040.4
37.5°	7276.4	7340.8	7801.7	8710.4	10015.5	12326.0	15671.0	17494.9	16537.8	14746.1
40°	6654.5	6715.7	7147.5	8027.2	9432.2	11881.3	15754.8	18390.8	17691.5	15716.1
42.5°	6084.1	6138.9	6535.2	7353.7	8778.1	11314.2	15645.2	19170.6	18725.9	16392.8
45°	5558.8	5607.1	5958.4	6722.1	8098.1	10624.6	15316.5	20008.5	19956.9	16876.2
47.5°	4959.4	5007.8	5371.9	6109.8	7418.2	9815.7	14759.0	20833.4	21668.1	17971.9
50°	4227.9	4269.8	4643.6	5404.1	6712.5	8955.3	13985.6	21481.1	23827.1	19631.4
52.5°	3361.1	3406.2	3770.3	4530.8	5874.6	8030.5	12967.3	21903.3	26321.3	22054.8
55°	2500.7	2532.9	2848.7	3531.9	4837.0	6976.7	11691.2	22022.5	29150.7	25367.5
57.5°	1814.3	1833.6	2036.6	2545.8	3667.2	5658.7	10141.2	21713.2	32518.2	29614.7
60°	1469.5	1475.9	1537.1	1762.7	2549.0	4169.9	8268.9	20649.7	36172.5	35089.7
62.5°	1334.1	1334.1	1350.2	1411.5	1724.0	2752.0	6003.5	18445.6	40091.1	42008.4
65°	1240.7	1240.7	1247.1	1276.1	1359.9	1753.0	3789.7	14855.7	43394.1	50113.0
67.5°	1156.9	1160.1	1156.9	1166.5	1214.9	1295.4	2197.7	10260.4	45172.9	58510.8
70°	1069.9	1076.3	1060.2	1060.2	1098.9	1102.1	1376.0	5626.5	43697.0	65548.8
72.5°	966.7	976.4	950.6	944.2	973.2	960.3	1034.4	2700.5	37516.3	67649.8
75°	876.5	889.4	831.4	815.3	815.3	805.6	841.1	1385.7	24349.2	55185.2
77.5°	796.0	821.7	728.3	676.7	663.8	634.8	686.4	847.5	10650.3	25908.9
80°	657.4	692.8	599.4	538.2	515.6	483.4	541.4	592.9	3167.7	6016.4
82.5°	489.8	505.9	425.4	383.5	364.1	341.6	406.0	412.5	1031.2	2130.1
85°	312.6	319.0	261.0	225.6	215.9	206.2	257.8	225.6	393.1	1566.1
87.5°	109.6	125.7	99.9	90.2	96.7	80.6	119.2	67.7	109.6	1105.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11330.3
11336.7
11410.9
11488.2
11517.2
11543.0
11607.4
11749.2
11965.1
12197.1
12480.7
12819.1
13070.4
13350.8
13818.1
14449.7
15400.3
15986.8
16328.4
17340.2
18838.7
21078.3
24146.1
28077.6
33153.0
39414.3
46832.5
54969.3
64617.5
70098.9
59026.4
25370.7
5761.8
2407.2
2275.1
1369.6
0.0

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