

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: P957203

Luminaire Tested: **GALN-SB9C-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957203
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-SB9C-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67189 lumens
Efficiency: N/A
Efficacy: 149.4 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

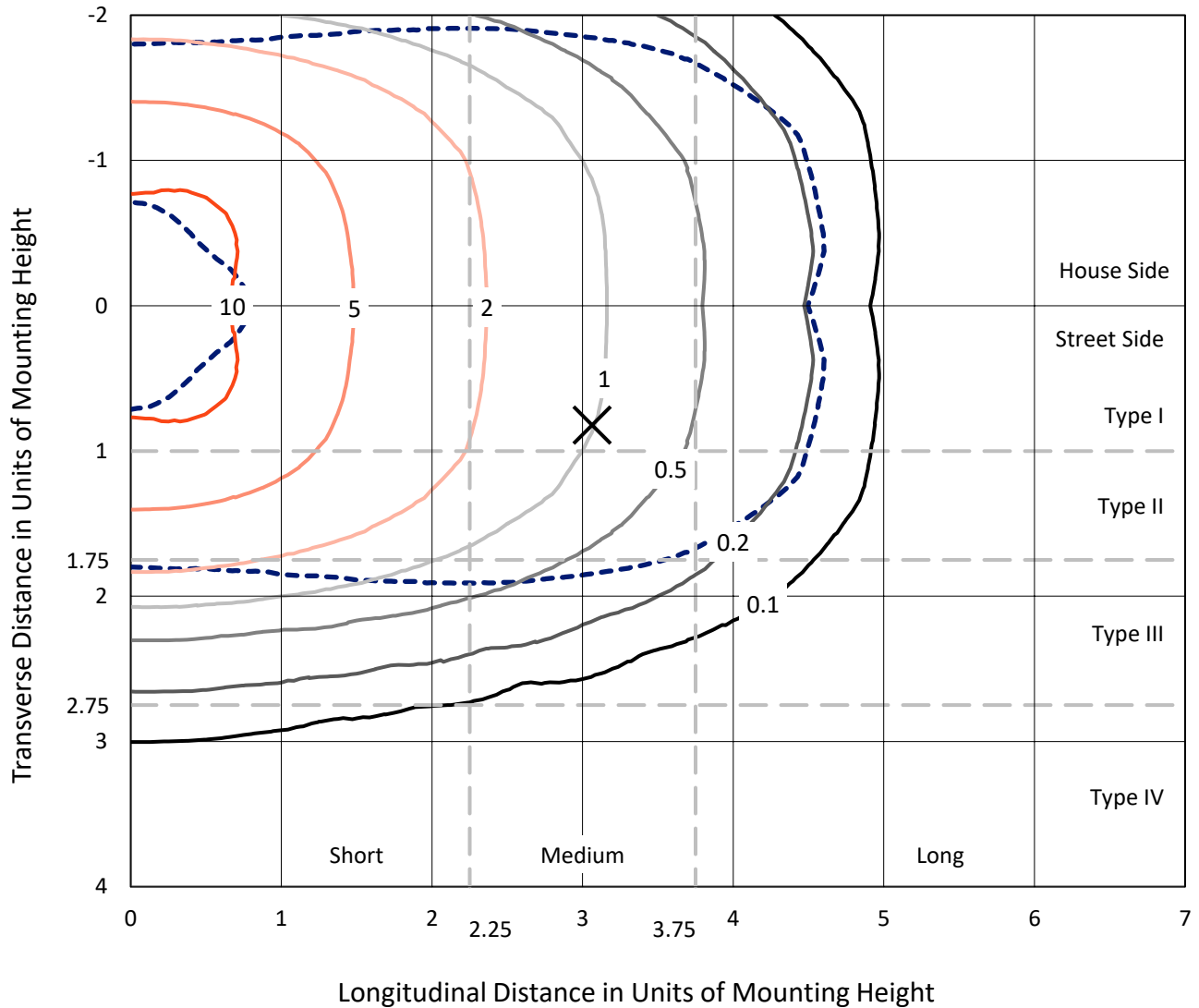
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

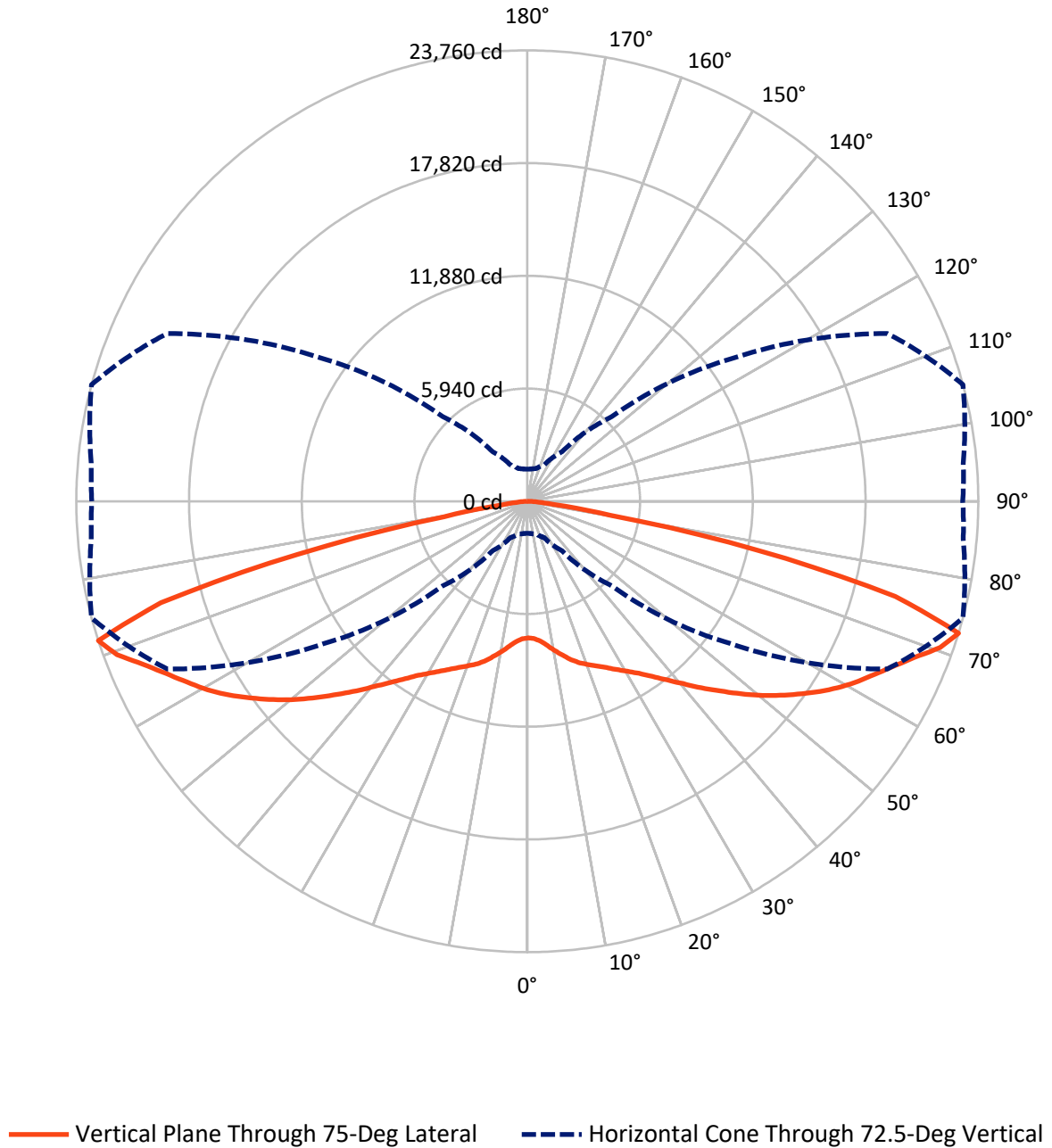
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	33594.5	0.0	33594.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33594.5	0.0	33594.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	67189.0	0.0	67189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.0	1.0
10°-20°	2325.3	3.5
20°-30°	4493.2	6.7
30°-40°	7587.0	11.3
40°-50°	12032.1	17.9
50°-60°	16109.6	24.0
60°-70°	15331.2	22.8
70°-80°	8000.1	11.9
80°-90°	605.6	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°	67189.0	100.0
0°-180°	67189.0	100.0

Coefficient of Utilization



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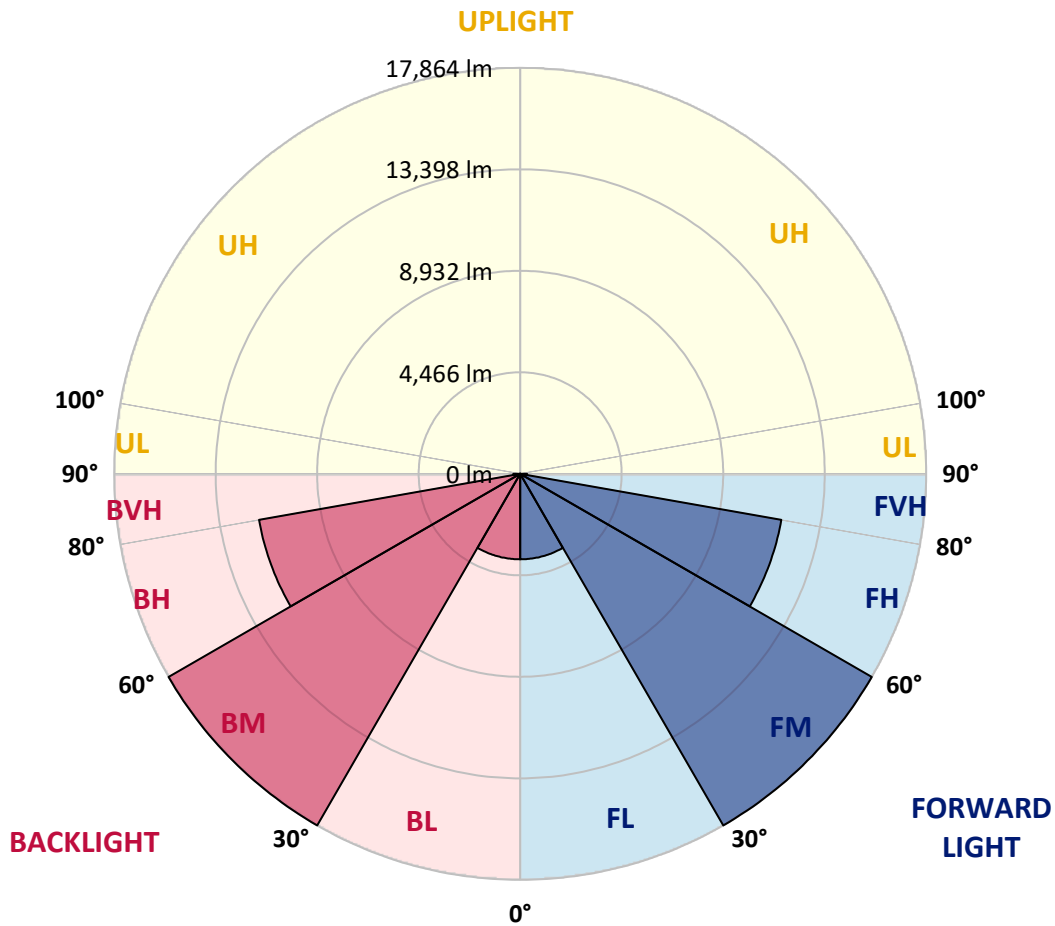
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3761.8	5.6			
FM (30°-60°)	17864.4	26.6			
FH (60°-80°)	11665.6	17.4			G4/12000
FVH (80°-90°)	302.8	0.5			G3/500
BL (0°-30°)	3761.8	5.6	B4/5000		
BM (30°-60°)	17864.4	26.6	B5		
BH (60°-80°)	11665.6	17.4	B5		G5
BVH (80°-90°)	302.8	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°	7197.1	7197.1	7197.1	7197.1	7197.1	7197.1	7197.1	7197.1	7197.1	7197.1
2.5°	7197.1	7190.3	7197.1	7204.0	7200.6	7200.6	7217.7	7228.0	7248.6	7245.2
5°	7149.1	7145.7	7173.1	7204.0	7228.0	7269.2	7320.6	7358.4	7406.4	7416.7
7.5°	7125.1	7114.8	7162.8	7217.7	7293.2	7396.1	7495.6	7598.5	7680.8	7708.3
10°	7142.3	7145.7	7210.9	7313.8	7433.8	7577.9	7718.6	7893.5	8010.2	8037.6
12.5°	7221.2	7214.3	7324.1	7488.7	7653.4	7835.2	7999.9	8192.0	8318.9	8384.1
15°	7365.2	7351.5	7505.9	7749.5	7989.6	8202.3	8336.1	8517.9	8665.4	8747.7
17.5°	7536.8	7543.6	7746.0	8061.6	8377.2	8617.4	8744.3	8836.9	8950.1	9022.2
20°	7838.6	7852.4	8078.8	8452.7	8812.9	9087.3	9190.3	9155.9	9186.8	9241.7
22.5°	8243.4	8250.3	8504.2	8909.0	9286.3	9588.2	9656.8	9516.1	9430.4	9468.1
25°	8713.4	8758.0	9011.9	9427.0	9814.6	10102.8	10133.6	9920.9	9708.3	9718.5
27.5°	9286.3	9327.5	9584.8	9996.4	10390.9	10641.3	10637.9	10353.2	10041.0	9962.1
30°	9907.2	9951.8	10216.0	10641.3	11008.4	11228.0	11179.9	10840.3	10394.4	10246.8
32.5°	10644.8	10672.2	10939.8	11365.2	11704.8	11879.7	11780.3	11361.7	10806.0	10637.9
35°	11536.7	11577.9	11776.8	12178.2	12476.7	12620.7	12452.6	11958.6	11334.3	11145.6
37.5°	12555.6	12528.1	12754.5	13111.3	13358.3	13447.5	13217.6	12631.0	11938.1	11715.1
40°	13619.0	13605.3	13852.3	14195.3	14329.1	14384.0	14044.4	13402.9	12634.5	12394.3
42.5°	14583.0	14572.7	14905.4	15286.2	15447.4	15385.7	14956.9	14222.8	13440.6	13166.2
45°	15354.8	15341.1	15749.3	16284.5	16600.1	16497.2	15920.9	15128.4	14257.1	13972.3
47.5°	15948.3	15955.2	16394.3	17056.3	17608.6	17646.4	16905.4	16051.2	15155.9	14833.4
50°	16377.1	16397.7	16867.7	17601.8	18356.5	18689.2	17910.5	16998.0	16085.5	15721.9
52.5°	16483.5	16521.2	17087.2	17948.3	18836.8	19471.4	18932.8	17907.1	16967.1	16620.7
55°	15917.4	15992.9	16709.9	17920.8	19131.8	19986.0	19831.6	18829.9	17855.6	17498.9
57.5°	14617.3	14723.6	15560.7	17142.1	19066.6	20339.3	20528.0	19715.0	18744.1	18401.1
60°	12795.7	12922.6	13725.3	15450.9	18147.2	20469.7	21018.5	20576.0	19560.6	19227.8
62.5°	10047.9	10212.5	11173.1	13197.1	16205.6	19862.5	21437.1	21354.7	20294.7	19879.6
65°	6445.9	6620.8	7632.8	10023.9	13615.6	18003.2	21567.4	22112.9	21070.0	20490.3
67.5°	3886.7	3965.6	4466.5	6075.4	9951.8	15200.5	20462.8	22953.3	21975.6	21255.2
70°	2487.1	2531.7	2830.1	3567.7	5626.0	11090.7	17725.3	23111.1	23073.4	22040.8
72.5°	1687.8	1701.5	1780.4	2113.2	3183.5	6301.8	13073.6	20922.5	23759.5	23052.8
75°	1235.0	1310.4	1437.4	1495.7	1807.9	3149.2	7492.2	14699.6	20023.7	20332.4
77.5°	919.4	922.8	1097.8	1166.4	1289.9	1677.5	3169.8	8205.7	12432.1	13053.0
80°	778.7	737.6	734.1	940.0	970.8	1046.3	1416.8	2833.6	4452.8	2699.8
82.5°	648.4	603.8	545.4	734.1	662.1	641.5	614.1	1152.6	1416.8	696.4
85°	452.8	432.2	411.7	480.3	377.4	322.5	295.0	538.6	596.9	295.0
87.5°	195.5	202.4	205.8	212.7	157.8	113.2	113.2	150.9	150.9	116.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7197.1
7241.7
7416.7
7715.1
8065.1
8411.5
8778.6
9056.5
9282.9
9495.6
9735.7
9986.1
10264.0
10679.1
11173.1
11756.3
12473.2
13234.8
14037.5
14929.4
15831.7
16709.9
17598.4
18480.0
19299.9
19927.7
20562.3
21310.1
22034.0
22943.0
19584.6
11643.0
2041.1
593.5
260.7
85.8
0.0

OF REPORT)