

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: P945083

Luminaire Tested: **GALN-SB1A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2862 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

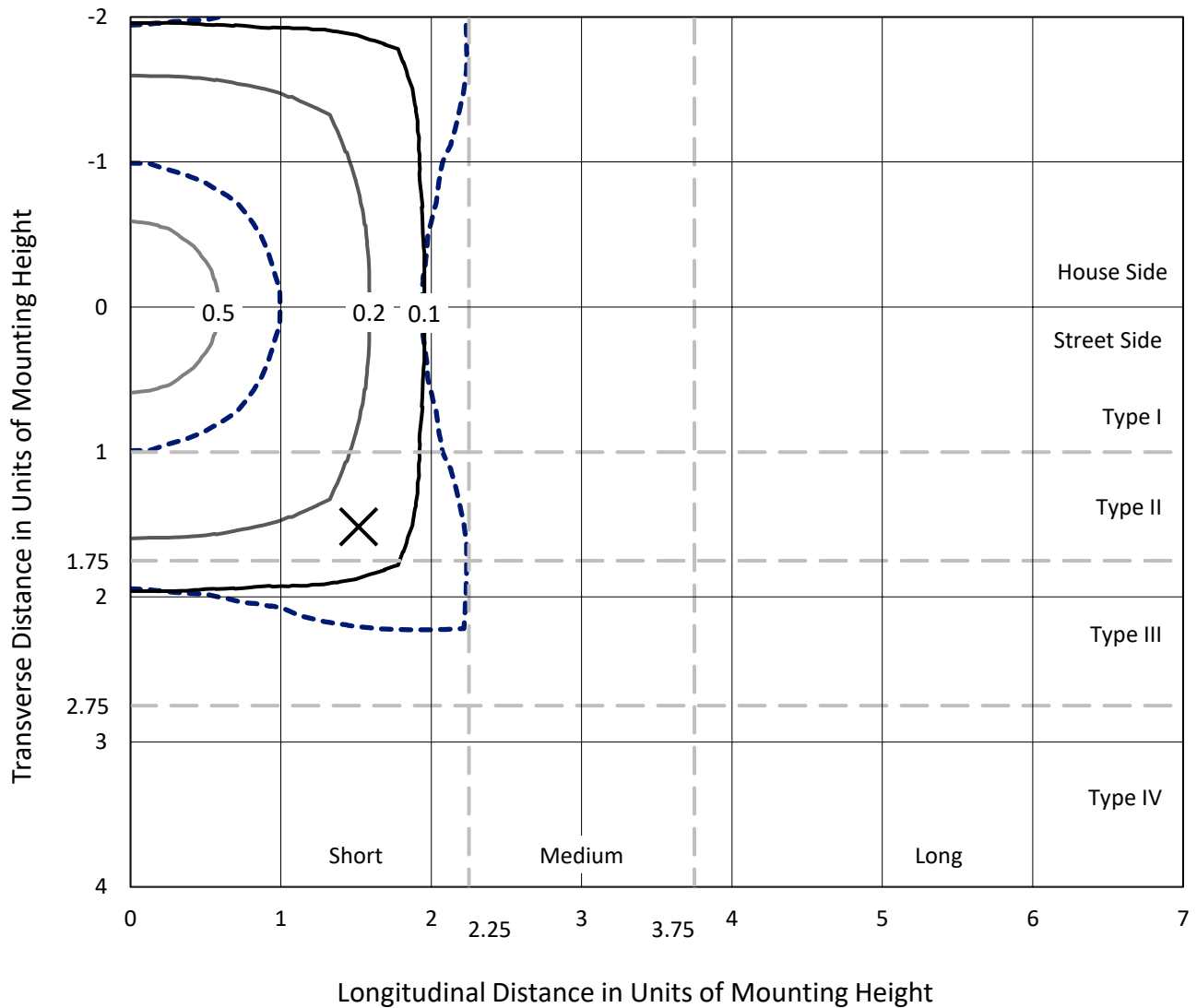
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

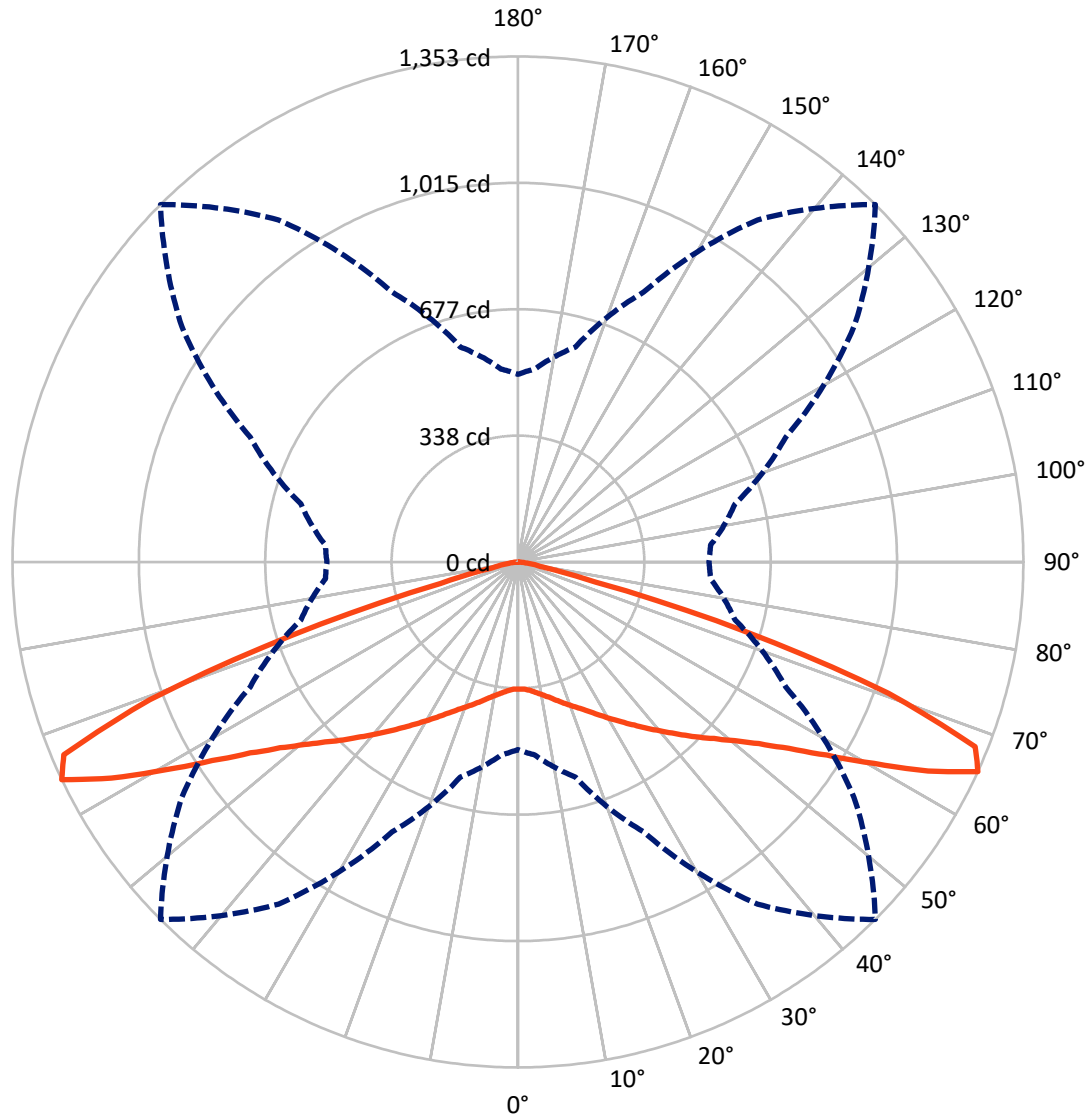
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1431.0	0.0	1431.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1431.0	0.0	1431.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2862.0	0.0	2862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.2
10°-20°	109.7	3.8
20°-30°	207.1	7.2
30°-40°	339.1	11.8
40°-50°	525.8	18.4
50°-60°	776.7	27.1
60°-70°	739.4	25.8
70°-80°	119.3	4.2
80°-90°	11.2	0.4
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°	2862.0	100.0
0°-180°	2862.0	100.0

Coefficient of Utilization



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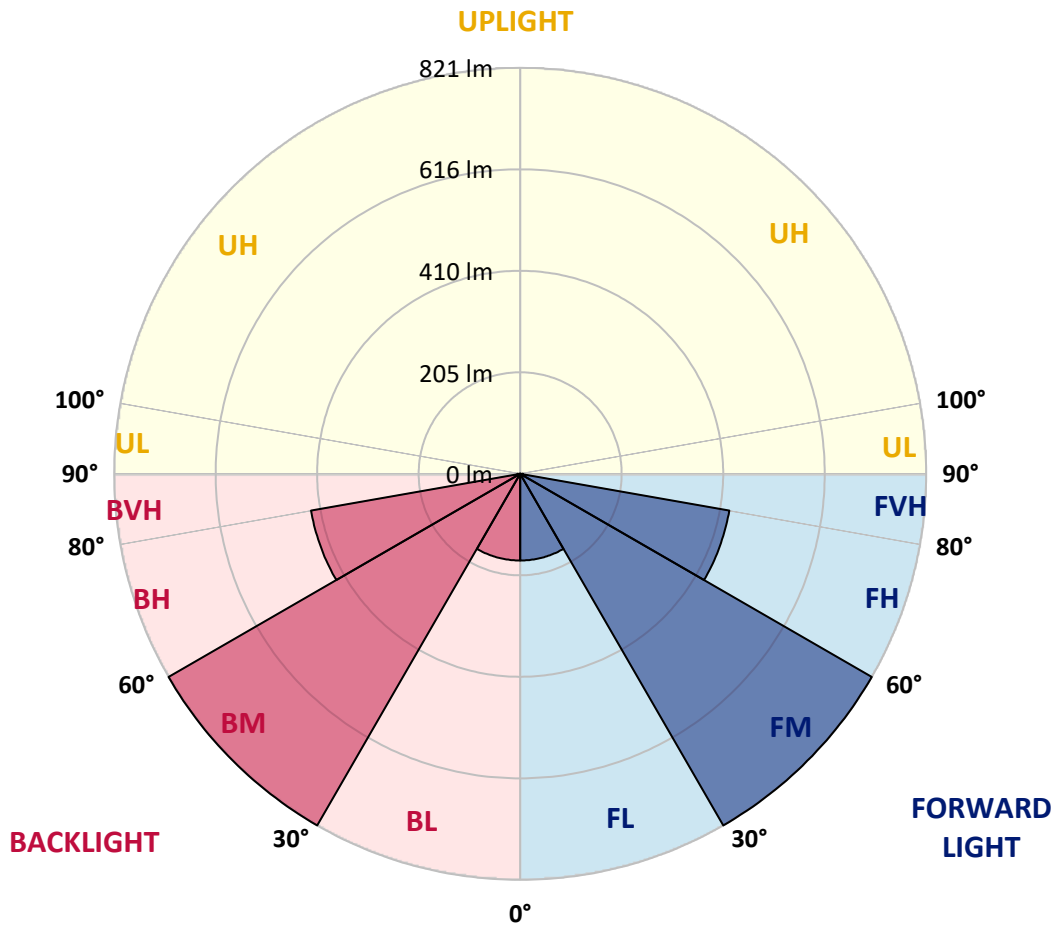
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.2	6.1			
FM (30°-60°)	820.8	28.7			
FH (60°-80°)	429.3	15.0			G0/660
FVH (80°-90°)	5.6	0.2			G0/10
BL (0°-30°)	175.2	6.1	B1/500		
BM (30°-60°)	820.8	28.7	B1/1000		
BH (60°-80°)	429.3	15.0	B1/500		G0/660
BVH (80°-90°)	5.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6
2.5°	342.9	341.8	342.6	341.9	341.3	340.8	341.0	342.0	342.5	342.6
5°	347.5	346.5	346.9	346.9	345.9	345.6	345.8	346.5	347.4	347.4
7.5°	355.0	354.0	355.0	354.4	353.5	353.2	353.1	353.7	355.0	355.0
10°	364.0	362.9	363.4	363.2	362.1	361.7	361.6	362.4	363.6	363.4
12.5°	373.9	372.6	373.3	372.5	372.2	371.8	371.8	371.6	372.3	371.8
15°	385.0	384.1	384.4	383.8	384.3	384.0	382.8	382.2	382.5	381.7
17.5°	398.0	396.0	397.0	396.8	396.8	397.3	395.5	394.7	395.3	394.5
20°	413.1	411.1	411.5	411.0	410.3	410.8	408.5	409.1	409.5	409.0
22.5°	429.6	427.1	426.9	427.2	425.6	425.8	424.2	425.6	426.5	424.9
25°	446.6	443.9	445.7	445.0	443.0	443.4	442.3	443.7	444.4	442.4
27.5°	464.5	462.7	464.4	464.8	462.4	464.1	462.4	463.7	464.4	461.4
30°	485.5	483.6	485.2	486.4	483.5	486.2	484.8	485.6	485.8	482.2
32.5°	508.3	505.5	509.5	510.0	506.9	510.2	508.3	509.5	510.2	505.3
35°	536.2	532.6	537.2	536.5	533.7	536.5	534.7	536.5	538.2	532.3
37.5°	566.2	562.5	567.3	566.1	563.5	565.3	564.3	565.5	568.2	561.9
40°	599.2	594.6	601.2	598.9	596.5	596.2	596.8	597.5	601.1	594.1
42.5°	634.5	629.7	639.6	636.0	632.5	630.2	632.1	633.5	637.0	629.1
45°	674.9	669.3	682.2	677.9	672.5	667.7	670.7	672.9	677.9	668.4
47.5°	719.4	713.1	726.9	725.6	716.7	706.3	713.2	719.4	723.1	711.7
50°	762.9	758.0	776.1	777.7	766.8	752.3	761.9	771.2	772.3	757.2
52.5°	803.7	798.8	825.1	835.0	825.2	808.0	818.2	827.7	820.1	800.5
55°	836.3	832.3	865.7	891.3	894.6	880.4	886.4	886.1	861.1	831.1
57.5°	844.2	843.6	885.8	940.0	974.4	976.2	964.2	933.8	879.9	839.6
60°	808.3	811.9	869.9	965.4	1057.3	1095.5	1043.9	957.1	858.6	802.6
62.5°	700.9	710.4	780.3	934.4	1124.2	1232.8	1107.8	921.7	770.7	697.6
65°	502.3	518.8	596.1	797.4	1118.2	1353.4	1098.6	790.9	601.8	517.5
67.5°	227.9	244.7	310.3	545.9	972.0	1320.6	969.7	551.7	325.8	245.5
70°	82.6	85.4	106.5	218.6	621.2	1052.3	647.8	220.1	113.3	91.0
72.5°	50.0	50.4	54.9	78.3	215.8	638.9	225.0	80.8	56.0	49.7
75°	31.7	31.4	39.1	47.8	76.5	215.5	80.3	47.8	38.9	35.5
77.5°	22.8	23.5	28.0	35.8	48.2	73.1	47.4	34.2	28.0	23.0
80°	17.1	17.5	20.4	27.9	33.9	45.5	30.2	25.3	21.1	14.4
82.5°	12.3	12.3	13.4	20.2	20.7	24.6	16.4	17.8	13.9	10.2
85°	7.3	7.2	8.3	12.1	10.8	9.0	7.5	10.9	8.8	6.3
87.5°	2.6	2.7	2.6	3.4	2.9	2.4	2.3	3.0	2.4	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
340.6
342.6
347.4
354.5
363.2
372.1
381.8
395.2
410.3
426.5
444.7
463.7
484.3
508.6
535.9
565.8
596.3
633.3
673.3
715.5
759.0
801.1
832.1
837.0
795.9
693.3
511.3
242.0
89.9
50.5
35.8
23.4
14.8
10.2
6.2
2.0
0.0

OF REPORT)