

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: P940190

Luminaire Tested: **GALN-SB3A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8287 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

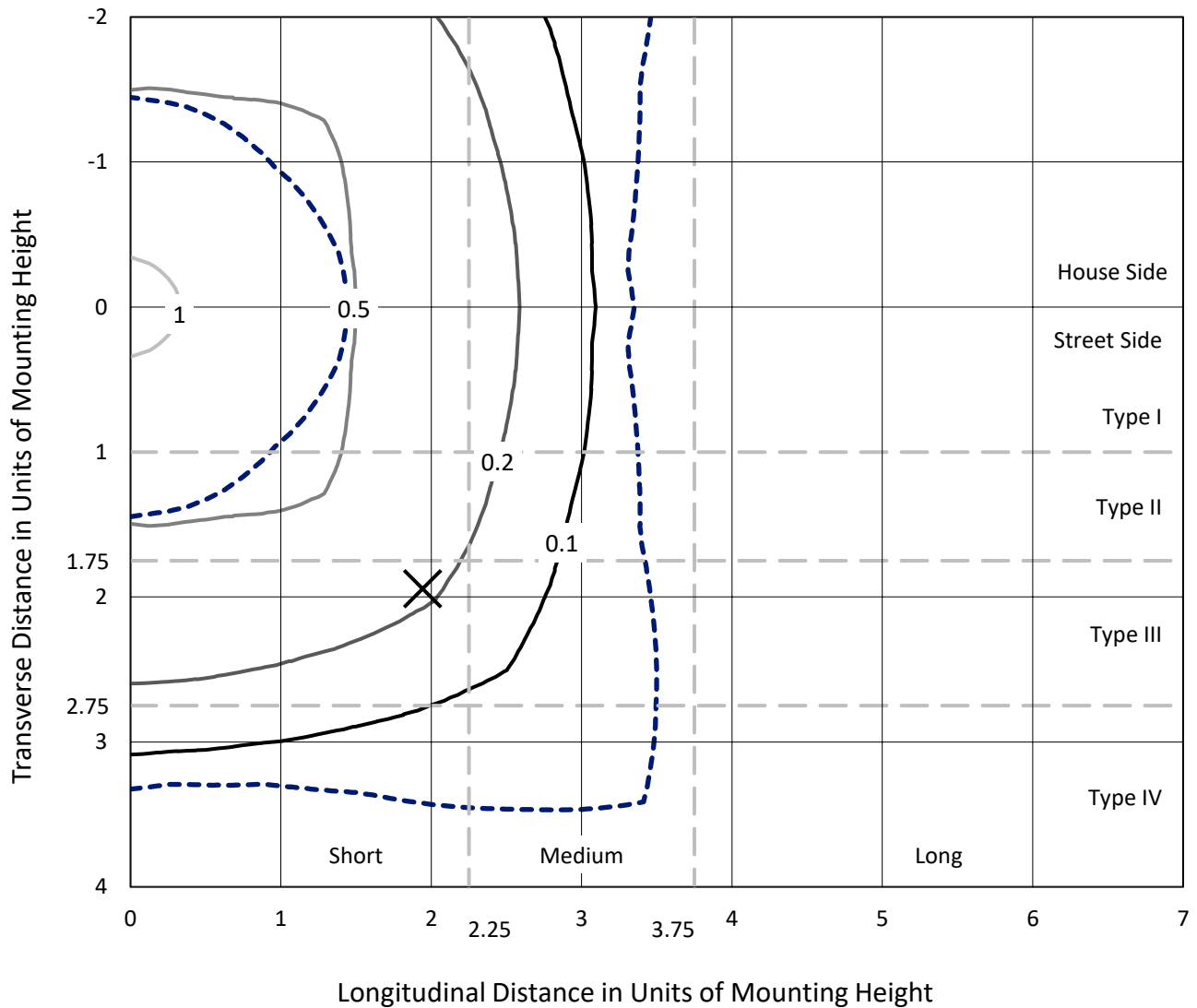
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940190
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Iso-Footcandle Lines of Horizontal Illumination

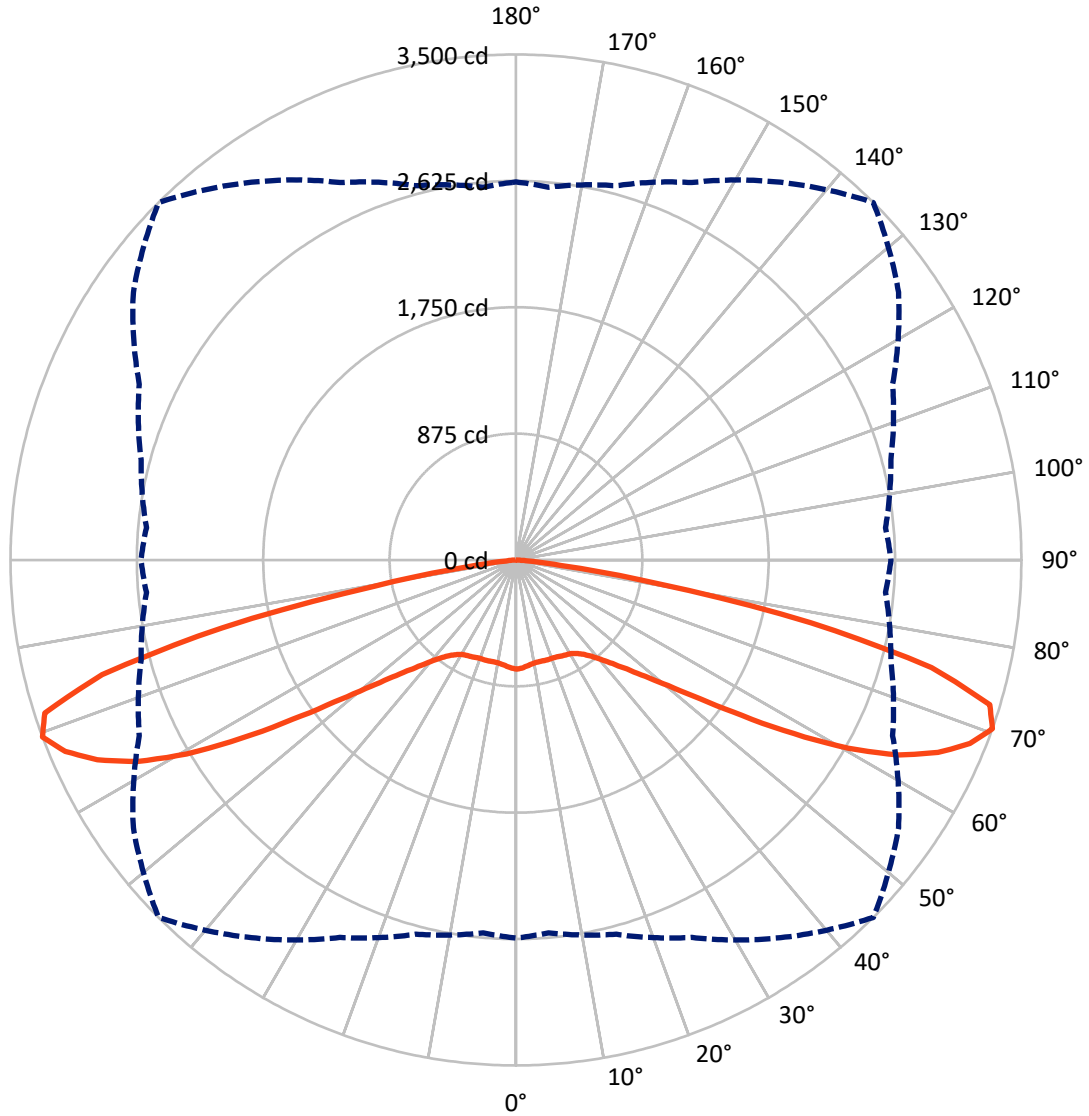
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P940190
CATALOG NUMBER: GALN-SB3A-927-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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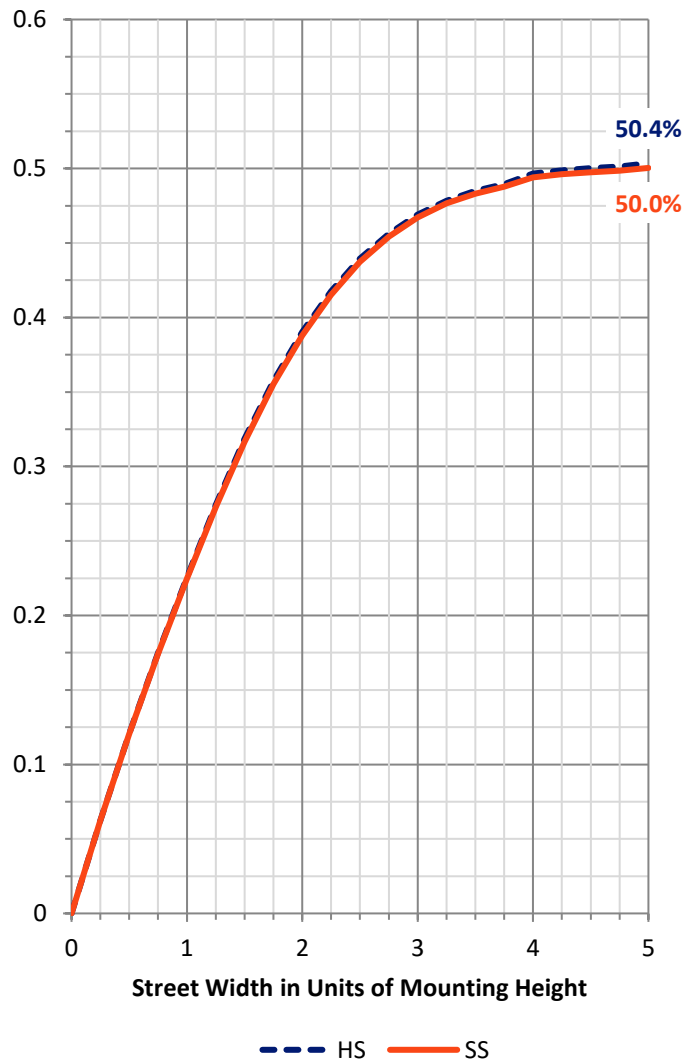
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4143.5	0.0	4143.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4143.5	0.0	4143.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8287.0	0.0	8287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	0.8
10°-20°	206.5	2.5
20°-30°	343.6	4.1
30°-40°	519.6	6.3
40°-50°	863.5	10.4
50°-60°	1629.4	19.7
60°-70°	2751.4	33.2
70°-80°	1807.9	21.8
80°-90°	94.7	1.1
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°	8287.0	100.0
0°-180°	8287.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940190

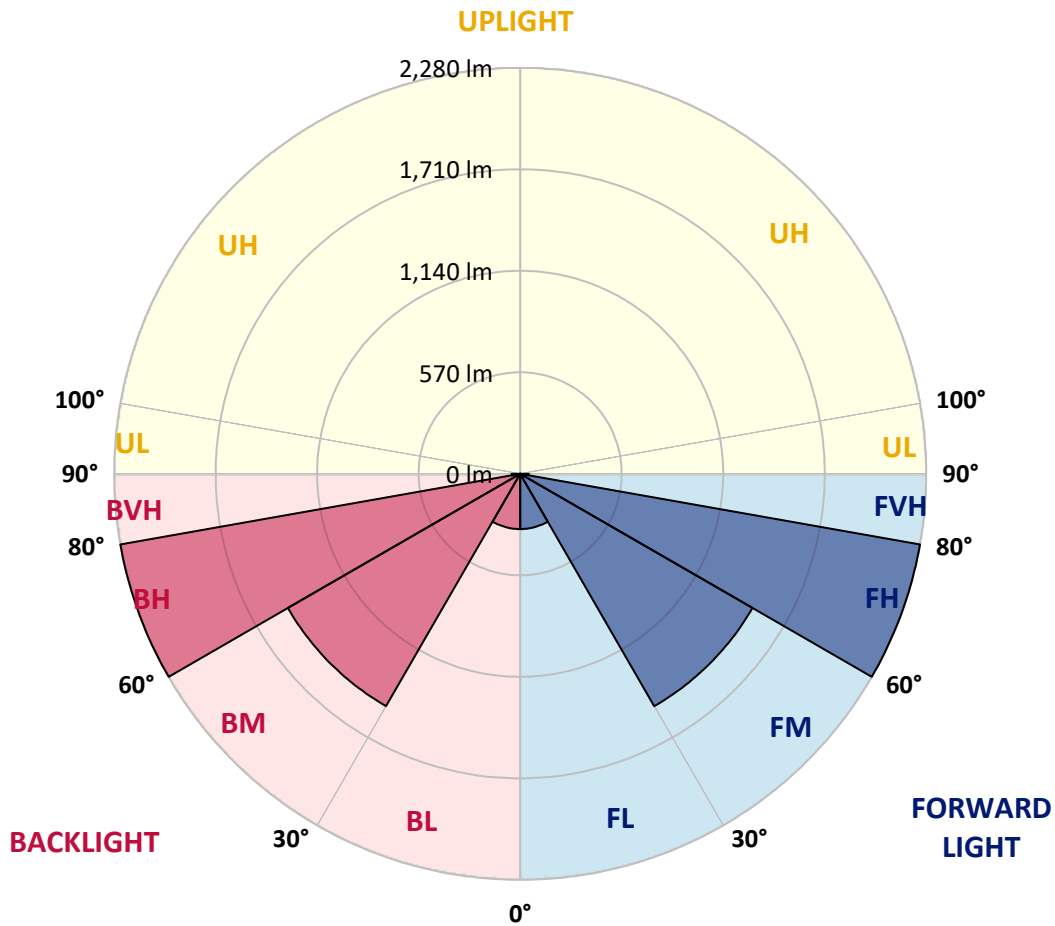
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.2	3.7			
FM (30°-60°)	1506.3	18.2			
FH (60°-80°)	2279.6	27.5			G2/5000
FVH (80°-90°)	47.4	0.6			G1/100
BL (0°-30°)	310.2	3.7	B1/500		
BM (30°-60°)	1506.3	18.2	B2/2500		
BH (60°-80°)	2279.6	27.5	B3/2500		G2/5000
BVH (80°-90°)	47.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9	755.9
2.5°	751.2	753.4	752.5	750.8	750.8	749.5	750.8	751.6	752.9	753.8
5°	741.3	743.0	742.6	741.3	741.7	740.4	741.3	742.6	743.4	743.9
7.5°	732.7	734.4	733.5	731.4	731.4	730.1	730.5	731.8	733.1	733.5
10°	730.5	732.3	729.7	726.2	724.9	723.2	723.6	724.9	727.5	728.8
12.5°	731.4	732.7	730.1	724.9	723.6	721.9	721.9	723.2	726.7	728.4
15°	734.0	735.3	731.4	725.8	724.5	723.2	722.8	724.5	728.4	731.4
17.5°	738.7	740.0	734.0	726.2	724.5	724.9	724.5	725.8	731.8	737.4
20°	743.0	743.9	735.7	726.2	724.5	724.9	724.5	727.1	734.8	742.6
22.5°	744.3	745.2	737.4	729.2	727.9	728.4	727.9	730.5	737.9	745.6
25°	744.7	746.0	740.0	733.5	735.7	736.6	735.7	736.1	741.7	748.6
27.5°	751.2	752.9	747.3	741.7	743.0	742.6	743.9	745.2	749.5	756.4
30°	764.6	765.8	761.1	755.5	754.6	751.6	755.5	759.8	764.6	770.6
32.5°	786.5	789.1	783.1	777.0	773.2	771.4	774.5	781.8	788.2	794.7
35°	823.1	824.9	819.3	808.1	801.2	801.2	803.8	813.2	823.6	831.8
37.5°	874.8	877.0	867.1	853.7	843.4	843.4	846.8	856.7	872.2	883.9
40°	937.7	940.7	928.2	914.5	904.5	902.8	907.1	918.3	933.0	947.6
42.5°	1013.5	1017.0	1000.6	988.5	980.8	980.8	982.9	993.3	1006.6	1024.7
45°	1110.4	1116.5	1094.1	1082.0	1074.7	1076.4	1077.7	1086.7	1098.8	1119.5
47.5°	1225.9	1231.9	1208.2	1195.7	1194.4	1202.6	1197.4	1203.9	1210.4	1234.1
50°	1356.8	1367.2	1350.8	1349.9	1352.5	1367.6	1355.5	1359.0	1351.6	1366.7
52.5°	1517.1	1532.1	1529.1	1534.3	1563.1	1594.2	1566.6	1554.5	1527.0	1531.7
55°	1711.3	1734.1	1738.4	1769.5	1834.9	1898.3	1839.7	1791.0	1732.4	1721.7
57.5°	1932.3	1950.4	1971.0	2034.4	2156.7	2269.1	2156.7	2049.0	1956.8	1934.9
60°	2170.0	2192.4	2212.3	2305.7	2487.5	2645.6	2484.1	2313.1	2191.2	2161.4
62.5°	2425.5	2454.3	2468.1	2571.9	2783.8	2972.5	2786.9	2579.7	2444.4	2412.6
65°	2670.6	2694.3	2709.8	2820.5	3022.9	3212.0	3036.7	2832.5	2693.4	2651.6
67.5°	2784.7	2797.6	2835.5	2960.9	3174.5	3390.3	3210.7	2974.2	2818.7	2745.5
70°	2617.6	2591.3	2682.6	2883.3	3192.6	3499.7	3234.0	2877.3	2686.9	2568.0
72.5°	2022.7	1977.5	2136.0	2479.3	2985.9	3429.9	3006.5	2498.7	2234.7	1993.4
75°	1100.5	1049.3	1268.1	1702.3	2381.1	2972.9	2435.8	1750.9	1412.0	1092.3
77.5°	310.6	291.2	467.8	823.6	1432.2	2087.3	1487.3	841.7	554.8	329.1
80°	95.2	92.2	124.9	248.1	608.2	999.7	584.5	251.1	158.9	100.4
82.5°	56.4	51.7	62.0	90.5	155.1	314.0	150.8	94.3	75.8	50.8
85°	32.3	30.2	36.6	43.9	52.1	66.8	43.5	44.8	40.5	27.1
87.5°	13.4	12.1	14.2	13.8	12.1	15.5	11.6	13.8	16.4	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
755.9
753.4
743.9
733.5
728.8
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737.4
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745.6
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879.6
942.9
1023.4
1118.6
1227.2
1357.7
1515.8
1704.9
1919.4
2135.6
2386.7
2630.9
2746.4
2596.5
2053.3
1163.4
365.7
106.0
55.1
28.4
9.9
0.0

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