

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: P954011

Luminaire Tested: **GALN-SB7B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954011
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-SB7B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25101 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

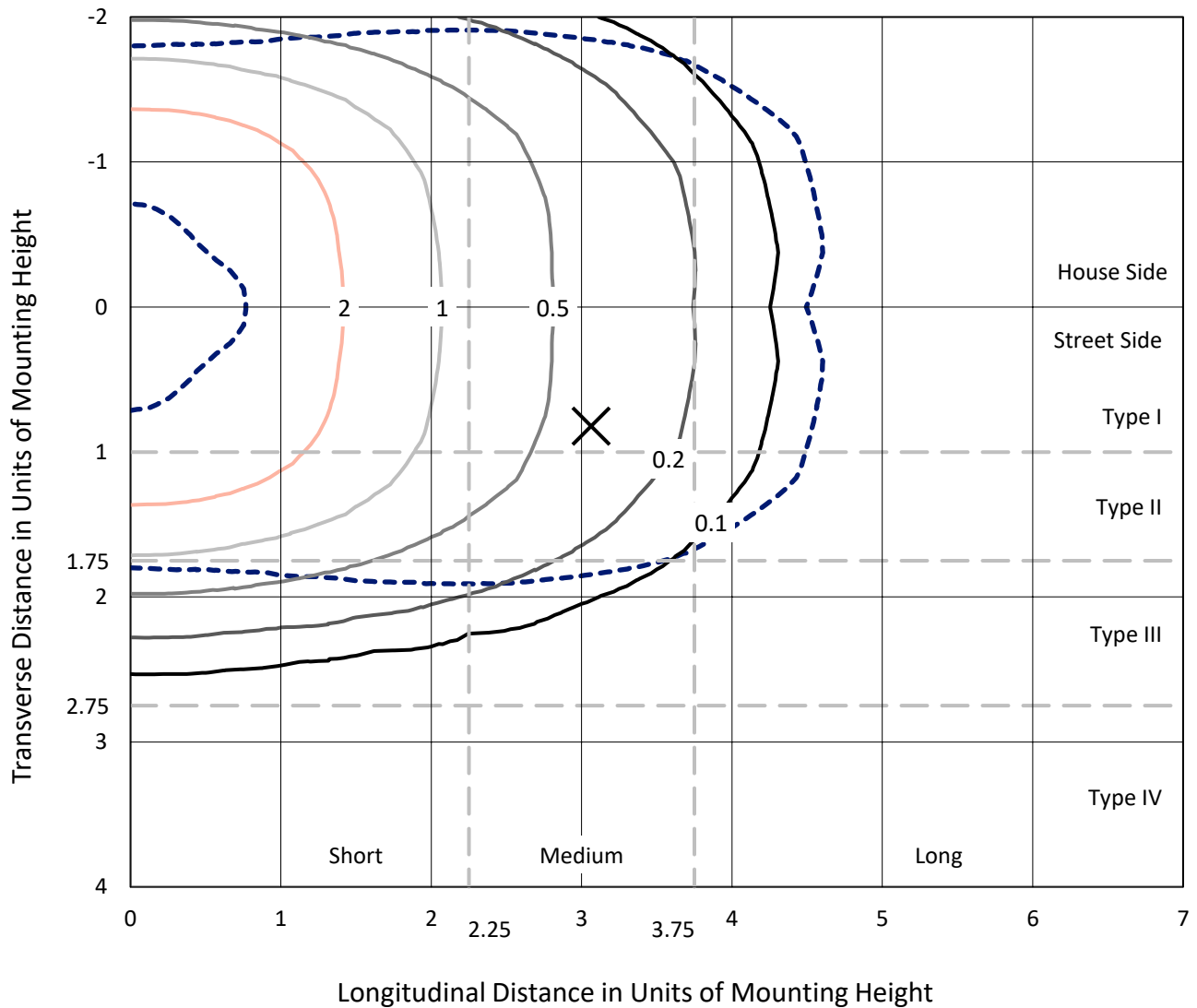
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954011
 CATALOG NUMBER: GALN-SB7B-927-U-RW

Iso-Footcandle Lines of Horizontal Illumination

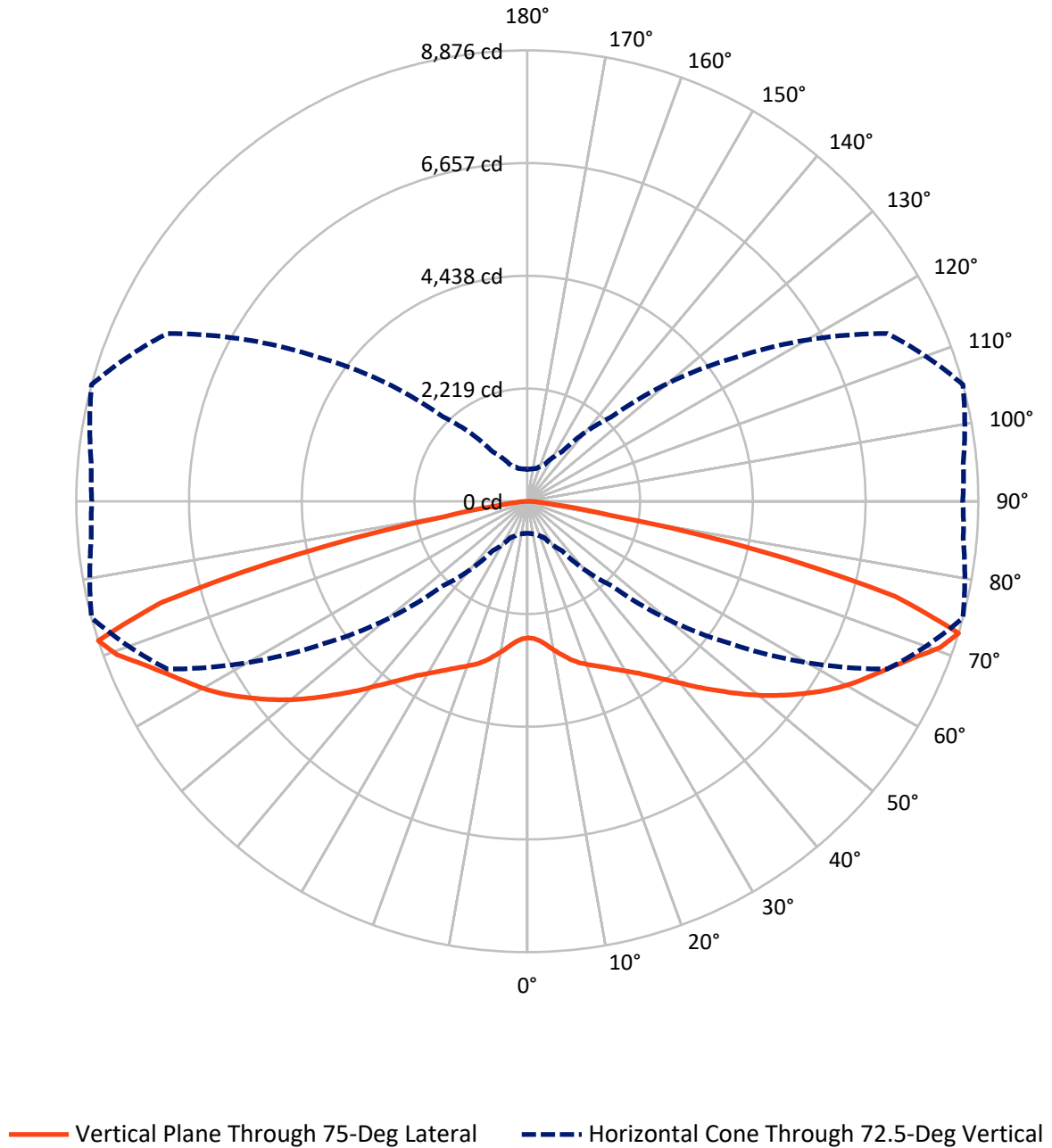
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P954011
CATALOG NUMBER: GALN-SB7B-927-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P954011
 CATALOG NUMBER: GALN-SB7B-927-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12550.5	0.0	12550.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12550.5	0.0	12550.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25101.0	0.0	25101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	1.0
10°-20°	868.7	3.5
20°-30°	1678.6	6.7
30°-40°	2834.4	11.3
40°-50°	4495.1	17.9
50°-60°	6018.4	24.0
60°-70°	5727.5	22.8
70°-80°	2988.7	11.9
80°-90°	226.2	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°	25101.0	100.0
0°-180°	25101.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954011

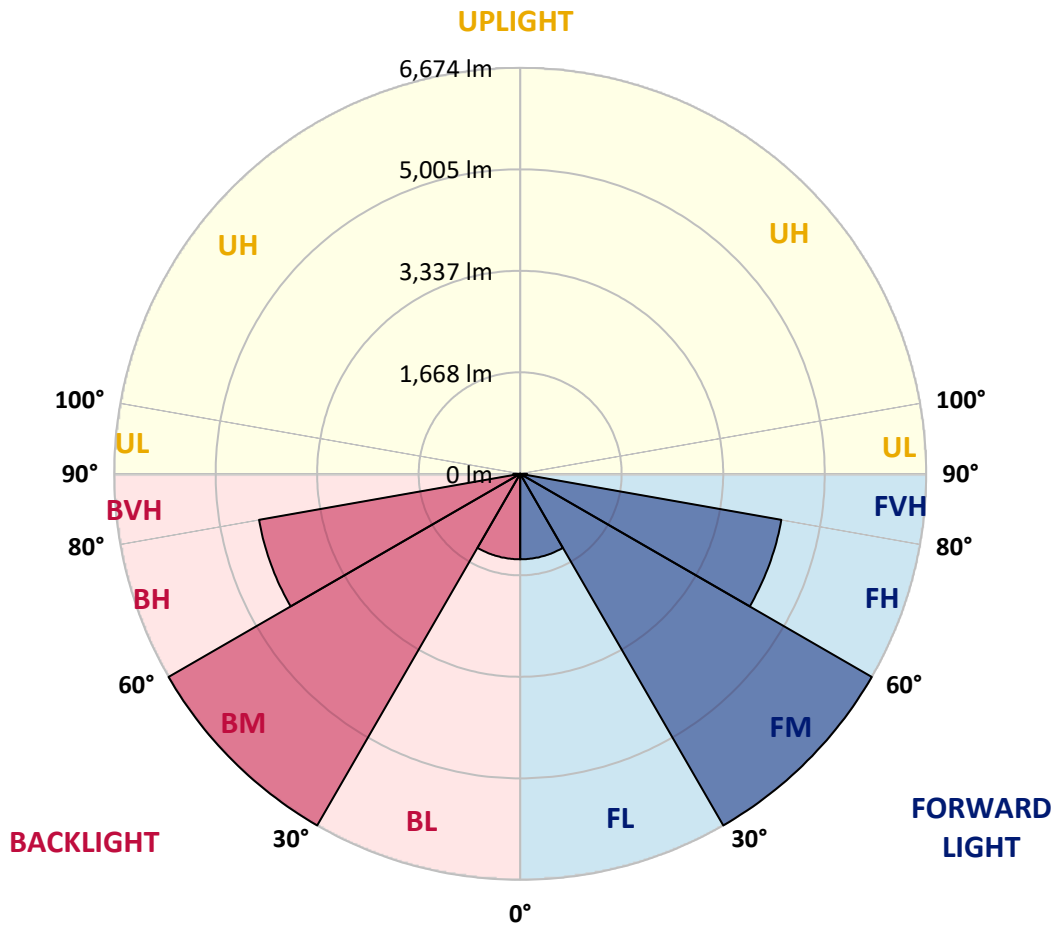
CATALOG NUMBER: GALN-SB7B-927-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.3	5.6			
FM (30°-60°)	6673.9	26.6			
FH (60°-80°)	4358.1	17.4			G2/5000
FVH (80°-90°)	113.1	0.5			G2/225
BL (0°-30°)	1405.3	5.6	B3/2500		
BM (30°-60°)	6673.9	26.6	B4/8500		
BH (60°-80°)	4358.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	113.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



REPORT NUMBER: P954011
 CATALOG NUMBER: GALN-SB7B-927-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2.5°	2688.8	2686.2	2688.8	2691.3	2690.0	2690.0	2696.5	2700.3	2708.0	2706.7
5°	2670.8	2669.5	2679.8	2691.3	2700.3	2715.7	2734.9	2749.0	2766.9	2770.8
7.5°	2661.9	2658.0	2676.0	2696.5	2724.7	2763.1	2800.3	2838.7	2869.5	2879.7
10°	2668.3	2669.5	2693.9	2732.3	2777.2	2831.0	2883.6	2948.9	2992.5	3002.8
12.5°	2697.7	2695.2	2736.2	2797.7	2859.2	2927.1	2988.7	3060.4	3107.8	3132.2
15°	2751.6	2746.4	2804.1	2895.1	2984.8	3064.3	3114.3	3182.2	3237.3	3268.0
17.5°	2815.6	2818.2	2893.8	3011.7	3129.6	3219.3	3266.8	3301.4	3343.7	3370.6
20°	2928.4	2933.5	3018.1	3157.8	3292.4	3394.9	3433.4	3420.6	3432.1	3452.6
22.5°	3079.7	3082.2	3177.1	3328.3	3469.3	3582.0	3607.7	3555.1	3523.1	3537.2
25°	3255.2	3271.9	3366.7	3521.8	3666.6	3774.3	3785.8	3706.3	3626.9	3630.7
27.5°	3469.3	3484.6	3580.7	3734.5	3881.9	3975.5	3974.2	3867.8	3751.2	3721.7
30°	3701.2	3717.9	3816.6	3975.5	4112.6	4194.6	4176.7	4049.8	3883.2	3828.1
32.5°	3976.8	3987.0	4087.0	4245.9	4372.8	4438.1	4401.0	4244.6	4037.0	3974.2
35°	4310.0	4325.4	4399.7	4549.6	4661.1	4715.0	4652.2	4467.6	4234.4	4163.9
37.5°	4690.6	4680.4	4764.9	4898.2	4990.5	5023.8	4937.9	4718.8	4459.9	4376.6
40°	5087.9	5082.8	5175.0	5303.2	5353.2	5373.7	5246.8	5007.2	4720.1	4630.4
42.5°	5448.0	5444.2	5568.5	5710.7	5771.0	5747.9	5587.7	5313.5	5021.3	4918.7
45°	5736.4	5731.3	5883.8	6083.7	6201.6	6163.1	5947.8	5651.8	5326.3	5219.9
47.5°	5958.1	5960.7	6124.7	6372.0	6578.4	6592.5	6315.7	5996.5	5662.0	5541.6
50°	6118.3	6126.0	6301.6	6575.8	6857.8	6982.1	6691.2	6350.3	6009.4	5873.5
52.5°	6158.0	6172.1	6383.6	6705.3	7037.2	7274.3	7073.1	6689.9	6338.7	6209.3
55°	5946.6	5974.8	6242.6	6695.0	7147.4	7466.5	7408.8	7034.6	6670.7	6537.4
57.5°	5460.8	5500.6	5813.3	6404.1	7123.1	7598.5	7669.0	7365.3	7002.6	6874.4
60°	4780.3	4827.7	5127.6	5772.3	6779.6	7647.2	7852.3	7687.0	7307.6	7183.3
62.5°	3753.8	3815.3	4174.1	4930.3	6054.2	7420.4	8008.6	7977.9	7581.9	7426.8
65°	2408.1	2473.5	2851.5	3744.8	5086.6	6725.8	8057.3	8261.1	7871.5	7654.9
67.5°	1452.0	1481.5	1668.6	2269.7	3717.9	5678.7	7644.7	8575.1	8209.8	7940.7
70°	929.1	945.8	1057.3	1332.8	2101.8	4143.4	6622.0	8634.0	8619.9	8234.2
72.5°	630.5	635.7	665.1	789.5	1189.3	2354.3	4884.1	7816.4	8876.3	8612.3
75°	461.4	489.6	537.0	558.8	675.4	1176.5	2799.0	5491.6	7480.6	7596.0
77.5°	343.5	344.7	410.1	435.7	481.9	626.7	1184.2	3065.6	4644.5	4876.4
80°	290.9	275.5	274.3	351.2	362.7	390.9	529.3	1058.6	1663.5	1008.6
82.5°	242.2	225.6	203.8	274.3	247.3	239.7	229.4	430.6	529.3	260.2
85°	169.2	161.5	153.8	179.4	141.0	120.5	110.2	201.2	223.0	110.2
87.5°	73.1	75.6	76.9	79.5	59.0	42.3	42.3	56.4	56.4	43.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2688.8
2705.4
2770.8
2882.3
3013.0
3142.4
3279.6
3383.4
3468.0
3547.4
3637.1
3730.7
3834.5
3989.6
4174.1
4392.0
4659.8
4944.4
5244.2
5577.5
5914.5
6242.6
6574.5
6903.9
7210.2
7444.7
7681.8
7961.2
8231.6
8571.2
7316.6
4349.7
762.5
221.7
97.4
32.0
0.0

OF REPORT)