

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: P953654

Luminaire Tested: **GALN-SB7A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953654
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-SB7A-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19996 lumens
Efficiency: N/A
Efficacy: 100.4 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

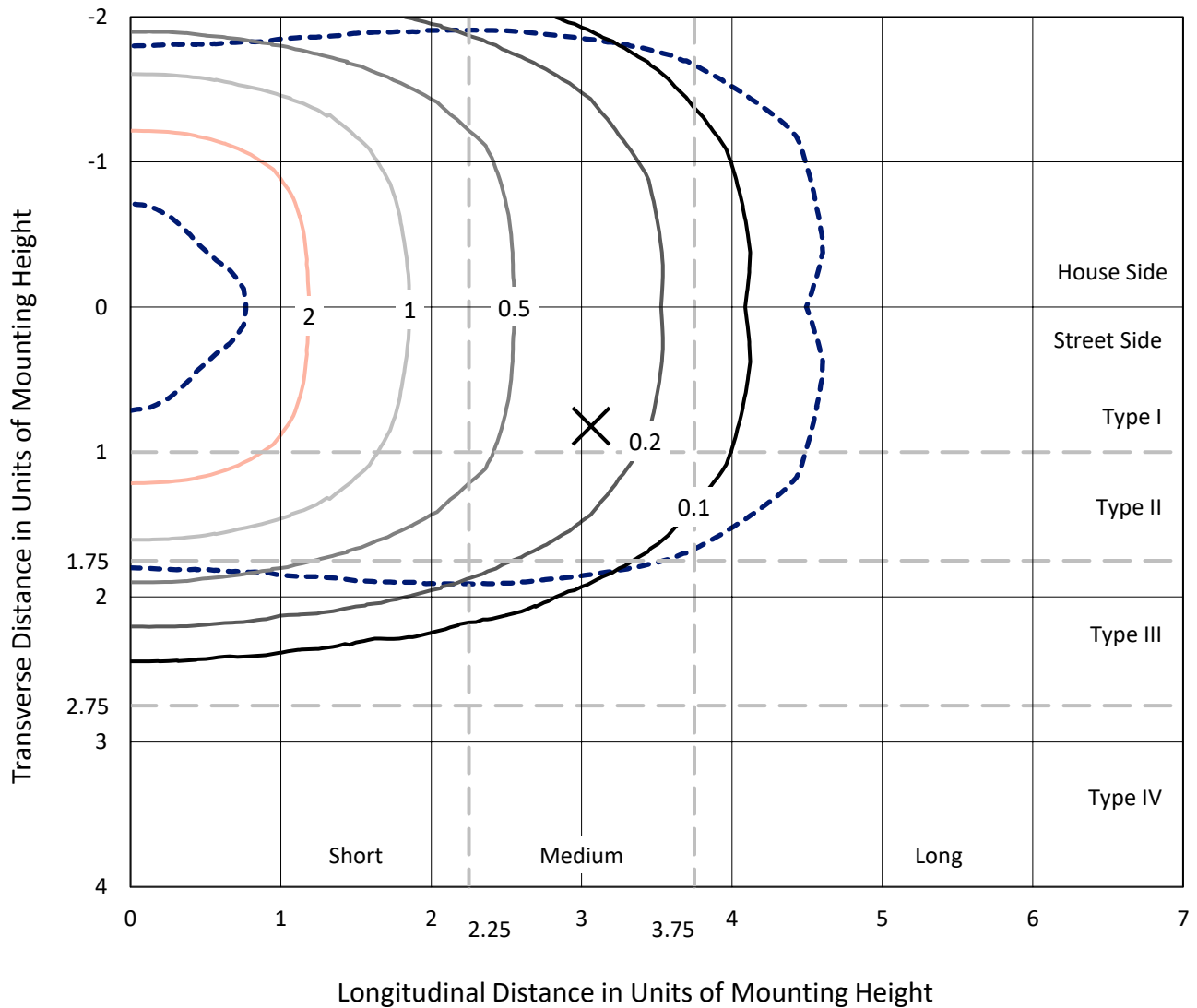
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953654
 CATALOG NUMBER: GALN-SB7A-927-U-RW

Iso-Footcandle Lines of Horizontal Illumination

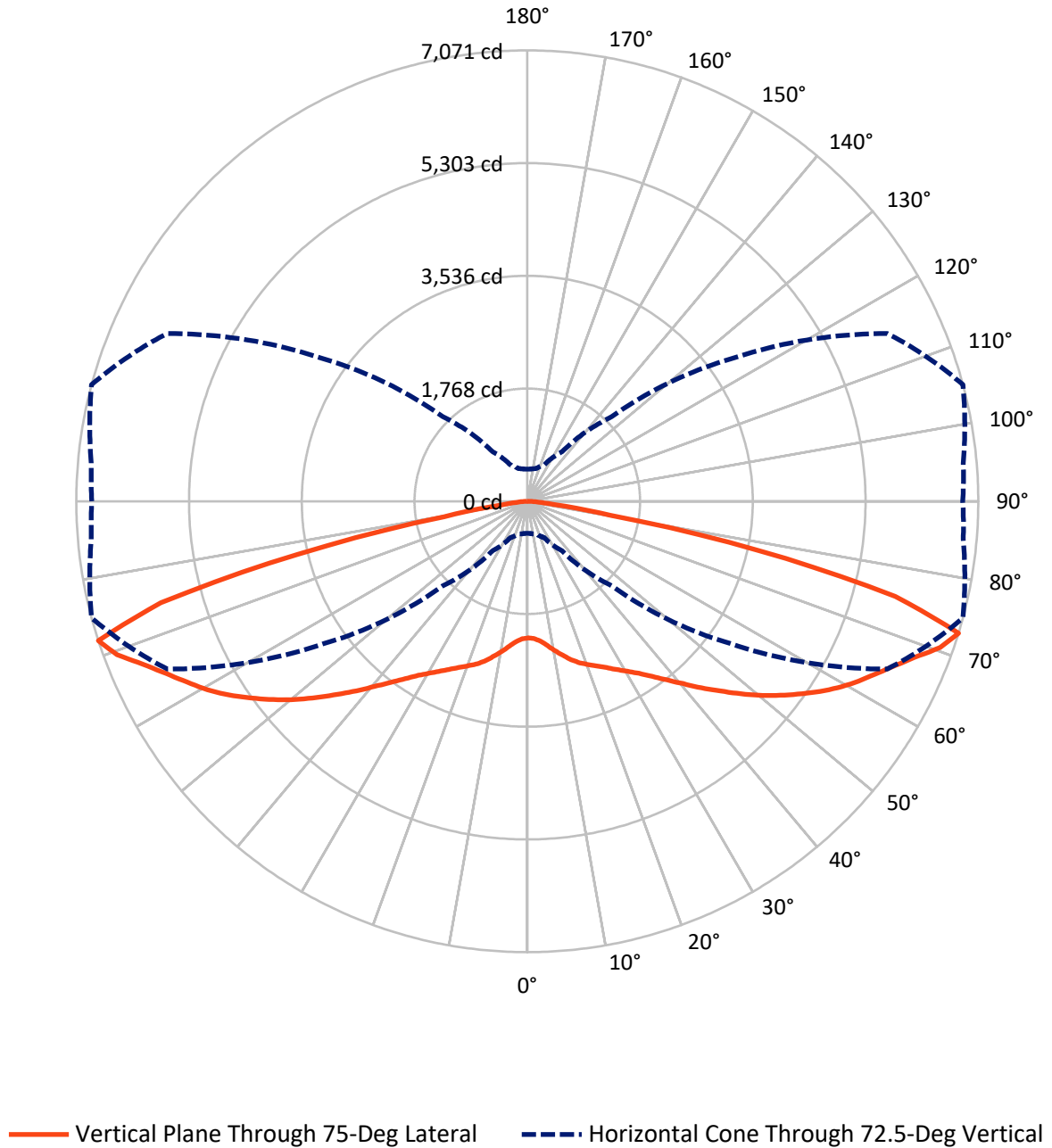
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P953654
CATALOG NUMBER: GALN-SB7A-927-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P953654

CATALOG NUMBER: GALN-SB7A-927-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9998.0	0.0	9998.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9998.0	0.0	9998.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19996.0	0.0	19996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	1.0
10°-20°	692.0	3.5
20°-30°	1337.2	6.7
30°-40°	2257.9	11.3
40°-50°	3580.9	17.9
50°-60°	4794.3	24.0
60°-70°	4562.7	22.8
70°-80°	2380.9	11.9
80°-90°	180.2	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°	19996.0	100.0
0°-180°	19996.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953654

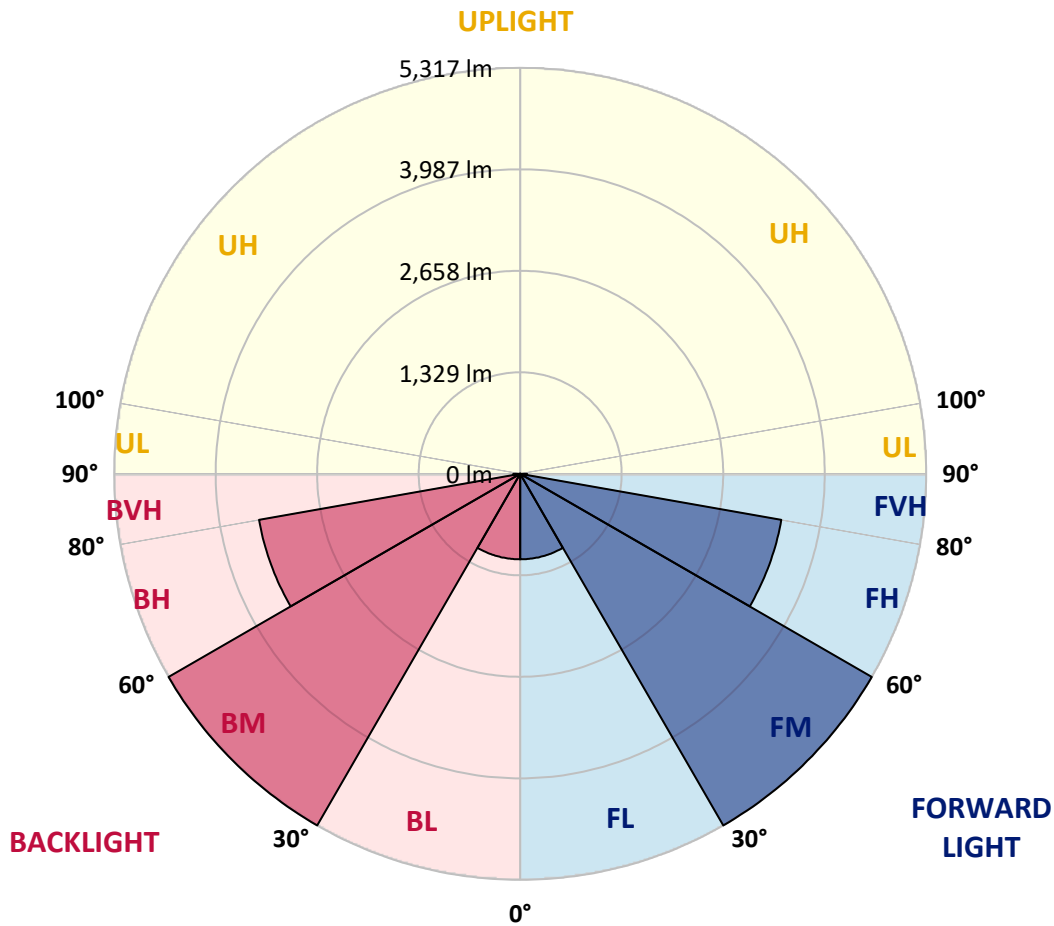
CATALOG NUMBER: GALN-SB7A-927-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1119.5	5.6			
FM (30°-60°)	5316.6	26.6			
FH (60°-80°)	3471.8	17.4			G2/5000
FVH (80°-90°)	90.1	0.5			G1/100
BL (0°-30°)	1119.5	5.6	B3/2500		
BM (30°-60°)	5316.6	26.6	B4/8500		
BH (60°-80°)	3471.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	90.1	0.5			G1/100
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: P953654

CATALOG NUMBER: GALN-SB7A-927-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2141.9	2141.9	2141.9	2141.9	2141.9	2141.9	2141.9	2141.9	2141.9	2141.9
2.5°	2141.9	2139.9	2141.9	2144.0	2143.0	2143.0	2148.1	2151.1	2157.2	2156.2
5°	2127.6	2126.6	2134.8	2144.0	2151.1	2163.4	2178.7	2189.9	2204.2	2207.3
7.5°	2120.5	2117.4	2131.7	2148.1	2170.5	2201.1	2230.8	2261.4	2285.9	2294.0
10°	2125.6	2126.6	2146.0	2176.6	2212.4	2255.3	2297.1	2349.2	2383.9	2392.1
12.5°	2149.1	2147.0	2179.7	2228.7	2277.7	2331.8	2380.8	2438.0	2475.8	2495.2
15°	2192.0	2187.9	2233.8	2306.3	2377.8	2441.1	2480.9	2535.0	2578.9	2603.4
17.5°	2243.0	2245.0	2305.3	2399.2	2493.1	2564.6	2602.4	2629.9	2663.6	2685.1
20°	2332.8	2336.9	2404.3	2515.6	2622.8	2704.5	2735.1	2724.9	2734.1	2750.4
22.5°	2453.3	2455.4	2530.9	2651.4	2763.7	2853.5	2873.9	2832.1	2806.6	2817.8
25°	2593.2	2606.5	2682.0	2805.5	2920.9	3006.7	3015.9	2952.6	2889.3	2892.3
27.5°	2763.7	2775.9	2852.5	2975.0	3092.4	3167.0	3165.9	3081.2	2988.3	2964.8
30°	2948.5	2961.7	3040.4	3167.0	3276.2	3341.5	3327.2	3226.2	3093.4	3049.5
32.5°	3168.0	3176.1	3255.8	3382.4	3483.4	3535.5	3505.9	3381.3	3216.0	3165.9
35°	3433.4	3445.7	3504.9	3624.3	3713.2	3756.0	3706.0	3559.0	3373.2	3317.0
37.5°	3736.6	3728.5	3795.9	3902.0	3975.5	4002.1	3933.7	3759.1	3552.9	3486.5
40°	4053.1	4049.0	4122.6	4224.6	4264.5	4280.8	4179.7	3988.8	3760.1	3688.7
42.5°	4340.0	4336.9	4436.0	4549.3	4597.3	4578.9	4451.3	4232.8	4000.0	3918.4
45°	4569.7	4565.6	4687.1	4846.4	4940.3	4909.7	4738.2	4502.3	4243.0	4158.3
47.5°	4746.3	4748.4	4879.1	5076.1	5240.5	5251.7	5031.2	4777.0	4510.5	4414.5
50°	4874.0	4880.1	5020.0	5238.4	5463.0	5562.1	5330.3	5058.8	4787.2	4679.0
52.5°	4905.6	4916.8	5085.3	5341.6	5606.0	5794.8	5634.6	5329.3	5049.6	4946.4
55°	4737.2	4759.6	4973.0	5333.4	5693.8	5948.0	5902.0	5603.9	5314.0	5207.8
57.5°	4350.2	4381.9	4631.0	5101.6	5674.4	6053.1	6109.3	5867.3	5578.4	5476.3
60°	3808.1	3845.9	4084.8	4598.3	5400.8	6091.9	6255.3	6123.6	5821.4	5722.4
62.5°	2990.3	3039.3	3325.2	3927.6	4822.9	5911.2	6379.8	6355.3	6039.9	5916.3
65°	1918.3	1970.4	2271.6	2983.2	4052.1	5357.9	6418.6	6581.0	6270.6	6098.1
67.5°	1156.7	1180.2	1329.3	1808.1	2961.7	4523.8	6089.9	6831.1	6540.1	6325.7
70°	740.2	753.5	842.3	1061.8	1674.3	3300.7	5275.2	6878.1	6866.8	6559.5
72.5°	502.3	506.4	529.9	628.9	947.4	1875.5	3890.8	6226.7	7071.0	6860.7
75°	367.5	390.0	427.8	445.1	538.0	937.2	2229.7	4374.7	5959.2	6051.1
77.5°	273.6	274.6	326.7	347.1	383.9	499.2	943.3	2442.1	3699.9	3884.7
80°	231.8	219.5	218.5	279.7	288.9	311.4	421.6	843.3	1325.2	803.5
82.5°	193.0	179.7	162.3	218.5	197.0	190.9	182.7	343.0	421.6	207.3
85°	134.8	128.6	122.5	142.9	112.3	96.0	87.8	160.3	177.6	87.8
87.5°	58.2	60.2	61.3	63.3	47.0	33.7	33.7	44.9	44.9	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2141.9
2155.2
2207.3
2296.1
2400.2
2503.3
2612.6
2695.3
2762.7
2826.0
2897.4
2972.0
3054.6
3178.2
3325.2
3498.8
3712.1
3938.8
4177.7
4443.1
4711.6
4973.0
5237.4
5499.8
5743.8
5930.6
6119.5
6342.1
6557.5
6828.0
5828.5
3465.1
607.5
176.6
77.6
25.5
0.0

OF REPORT)