

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: P951866

Luminaire Tested: **GALN-SB5D-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951866  
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-SB5D-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

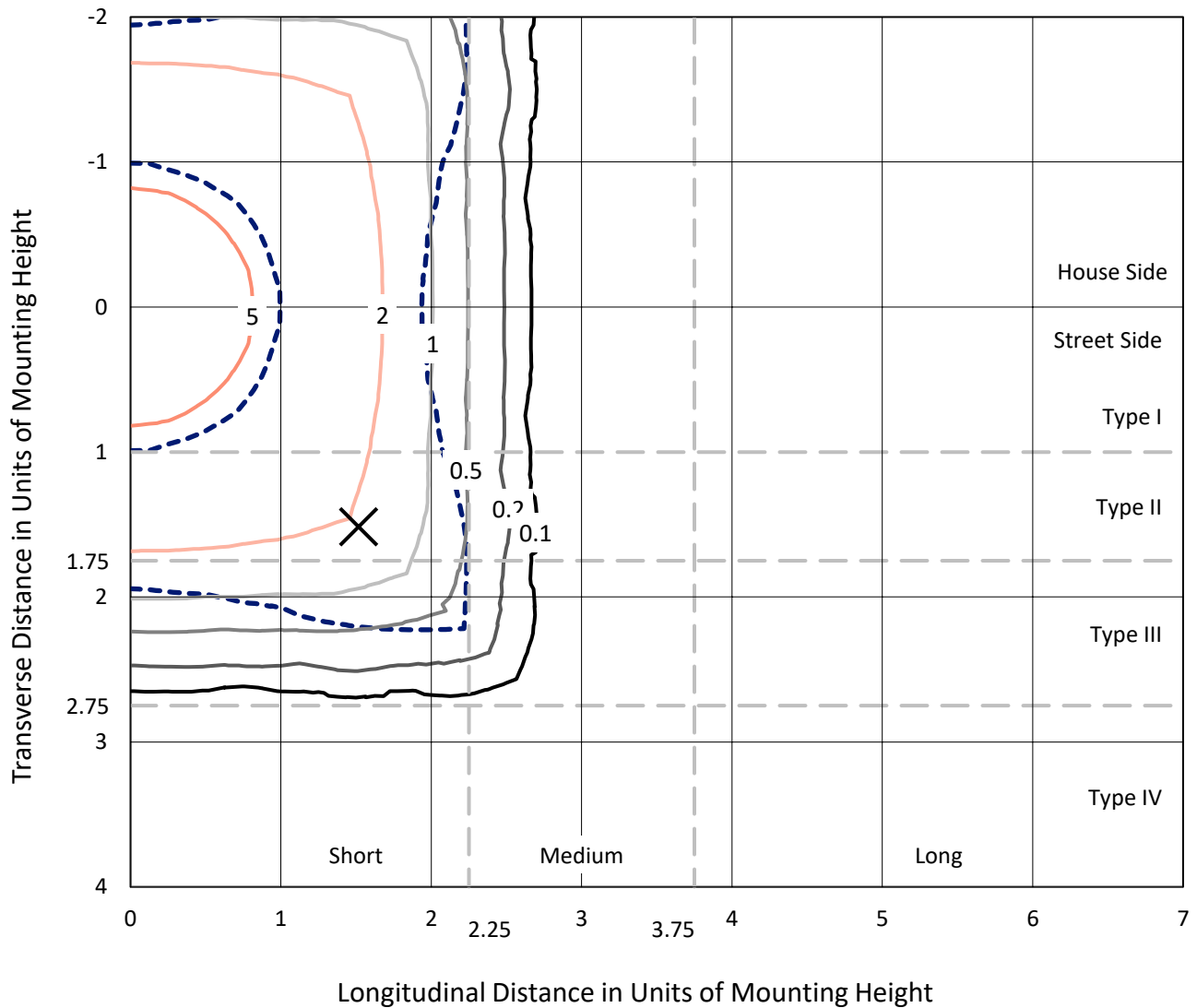
Lumens per Lamp: N/A  
Luminaire Lumens: 32788 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P951866  
 CATALOG NUMBER: GALN-SB5D-927-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

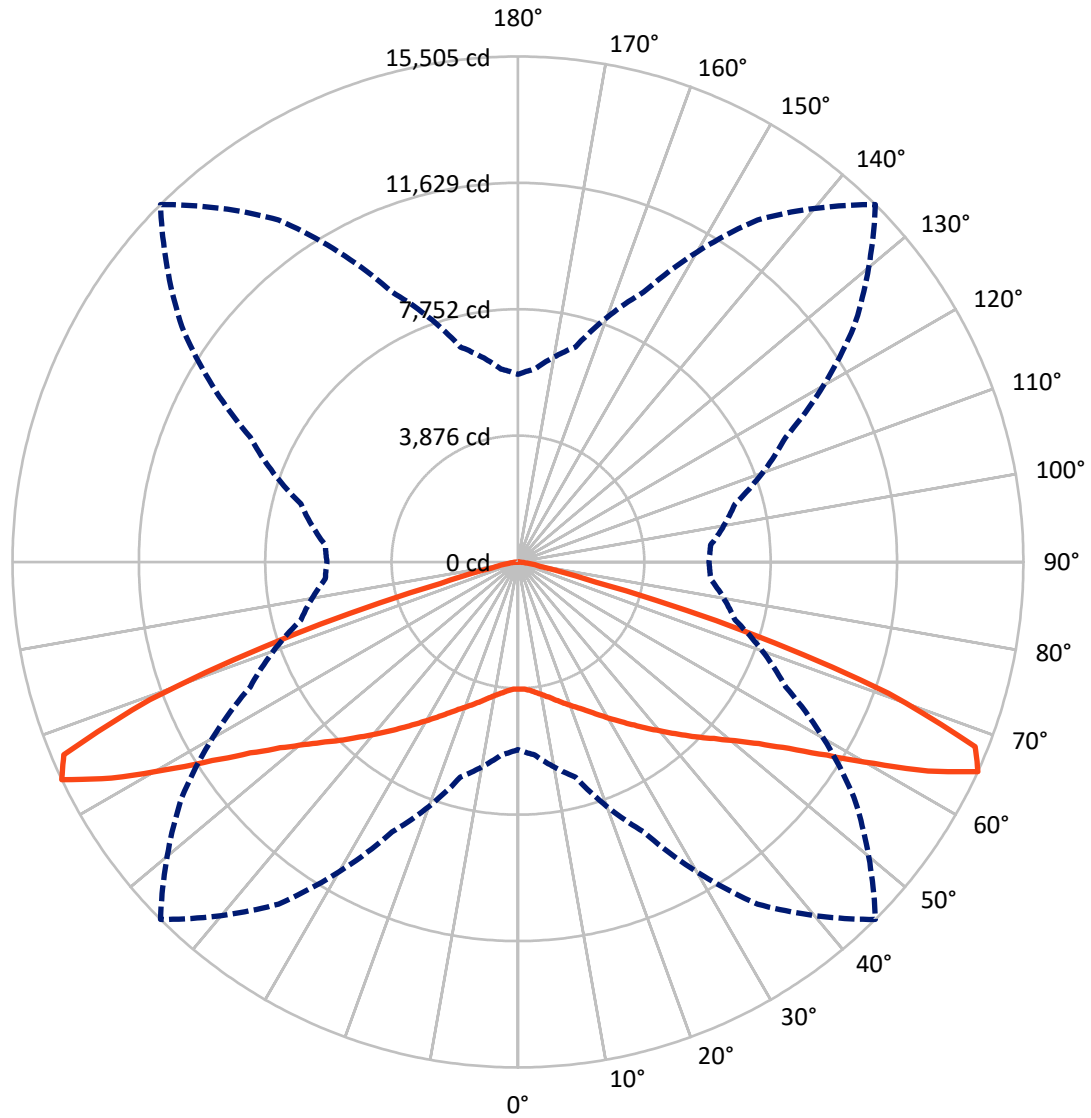
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P951866  
CATALOG NUMBER: GALN-SB5D-927-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P951866

CATALOG NUMBER: GALN-SB5D-927-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16394.0	0.0	16394.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16394.0	0.0	16394.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32788.0	0.0	32788.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.1	1.2
10°-20°	1256.6	3.8
20°-30°	2372.6	7.2
30°-40°	3885.1	11.8
40°-50°	6023.9	18.4
50°-60°	8898.5	27.1
60°-70°	8470.5	25.8
70°-80°	1366.8	4.2
80°-90°	128.8	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°	32788.0	100.0
0°-180°	32788.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P951866

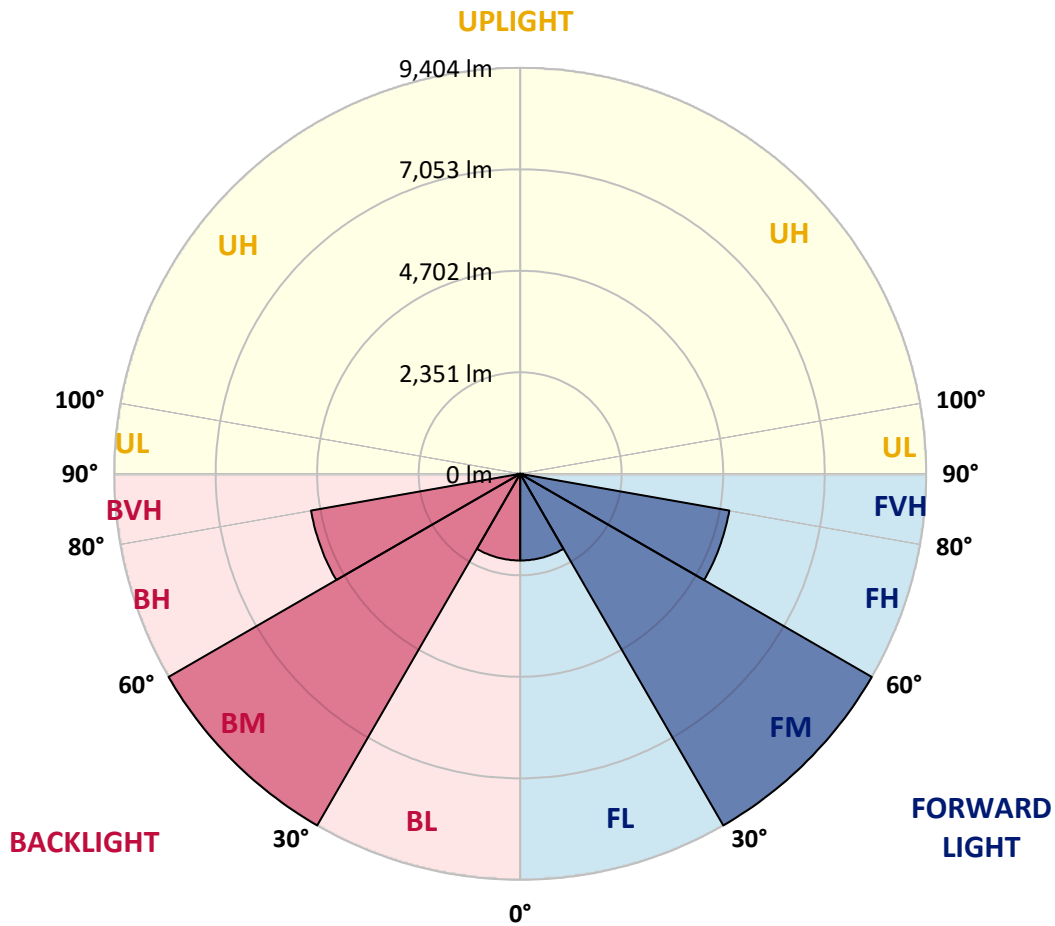
CATALOG NUMBER: GALN-SB5D-927-U-5NQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.2	6.1			
FM (30°-60°)	9403.7	28.7			
FH (60°-80°)	4918.7	15.0			G2/5000
FVH (80°-90°)	64.4	0.2			G1/100
BL (0°-30°)	2007.2	6.1	B3/2500		
BM (30°-60°)	9403.7	28.7	B5		
BH (60°-80°)	4918.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	64.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short



REPORT NUMBER: P951866

CATALOG NUMBER: GALN-SB5D-927-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3902.1	3902.1	3902.1	3902.1	3902.1	3902.1	3902.1	3902.1	3902.1	3902.1
2.5°	3928.4	3915.3	3925.1	3916.9	3910.3	3903.7	3907.0	3918.6	3923.5	3925.1
5°	3981.1	3969.5	3974.5	3974.5	3963.0	3959.7	3961.3	3969.5	3979.4	3979.4
7.5°	4066.6	4055.1	4066.6	4060.0	4050.2	4046.9	4045.2	4051.8	4066.6	4066.6
10°	4170.2	4157.1	4163.7	4160.4	4148.9	4143.9	4142.3	4152.2	4165.3	4163.7
12.5°	4283.8	4268.9	4277.2	4267.3	4264.0	4259.1	4259.1	4257.4	4265.7	4259.1
15°	4410.4	4400.6	4403.8	4397.3	4402.2	4398.9	4385.7	4379.2	4382.5	4372.6
17.5°	4560.1	4537.1	4548.6	4545.3	4545.3	4551.9	4530.5	4522.3	4528.9	4519.0
20°	4732.9	4709.8	4714.8	4708.2	4700.0	4706.5	4680.2	4686.8	4691.7	4685.2
22.5°	4922.0	4892.4	4890.8	4894.1	4876.0	4877.6	4859.5	4876.0	4885.9	4867.8
25°	5116.2	5084.9	5106.3	5098.1	5075.0	5080.0	5066.8	5083.3	5091.5	5068.5
27.5°	5321.8	5300.4	5320.1	5325.1	5297.1	5316.9	5297.1	5311.9	5320.1	5285.6
30°	5562.0	5540.6	5558.7	5571.8	5538.9	5570.2	5553.7	5563.6	5565.3	5524.1
32.5°	5823.5	5790.6	5836.7	5843.3	5807.1	5844.9	5823.5	5836.7	5844.9	5789.0
35°	6142.7	6101.6	6154.2	6146.0	6114.7	6146.0	6126.2	6146.0	6165.7	6098.3
37.5°	6486.5	6443.7	6499.7	6484.9	6455.2	6476.6	6465.1	6478.3	6509.5	6437.1
40°	6864.9	6812.2	6887.9	6861.6	6833.6	6830.3	6836.9	6845.1	6886.3	6805.6
42.5°	7269.6	7213.6	7327.1	7286.0	7246.5	7220.2	7241.6	7258.0	7297.5	7207.0
45°	7731.8	7667.7	7815.7	7766.4	7703.9	7649.6	7684.1	7708.8	7766.4	7657.8
47.5°	8241.8	8169.4	8327.3	8312.5	8210.5	8092.1	8171.0	8241.8	8284.6	8153.0
50°	8740.2	8684.3	8891.6	8909.7	8784.7	8618.5	8728.7	8835.7	8847.2	8674.4
52.5°	9207.4	9151.5	9452.6	9566.1	9454.2	9256.8	9373.6	9482.2	9395.0	9171.3
55°	9580.9	9534.8	9918.1	10210.9	10248.8	10085.9	10155.0	10151.7	9865.5	9521.7
57.5°	9671.4	9664.8	10148.4	10768.6	11163.4	11183.2	11046.6	10697.9	10081.0	9618.7
60°	9260.1	9301.2	9965.8	11059.8	12112.6	12550.2	11959.6	10964.4	9835.9	9194.3
62.5°	8029.6	8138.1	8939.3	10704.5	12879.2	14122.9	12691.7	10559.7	8829.1	7991.7
65°	5754.4	5943.6	6828.7	9135.1	12810.1	15504.8	12586.4	9061.0	6894.5	5928.8
67.5°	2610.7	2803.2	3555.0	6254.5	11135.5	15129.7	11109.1	6320.3	3732.7	2813.1
70°	945.9	978.8	1220.6	2503.8	7116.6	12055.1	7420.9	2521.9	1298.0	1043.0
72.5°	572.5	577.4	628.4	896.6	2472.5	7318.9	2577.8	926.2	641.6	569.2
75°	363.6	360.3	447.5	547.8	876.8	2469.2	919.6	547.8	445.8	406.3
77.5°	261.6	269.8	320.8	409.6	552.7	837.3	542.9	391.5	320.8	263.2
80°	195.8	200.7	233.6	319.1	388.2	521.5	345.5	289.5	241.8	164.5
82.5°	141.5	141.5	153.0	232.0	236.9	281.3	187.5	204.0	159.6	116.8
85°	83.9	82.3	95.4	138.2	123.4	103.6	85.5	125.0	100.3	72.4
87.5°	29.6	31.3	29.6	39.5	32.9	28.0	26.3	34.5	28.0	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3902.1
3925.1
3979.4
4061.7
4160.4
4262.4
4374.2
4527.2
4700.0
4885.9
5094.8
5311.9
5548.8
5826.8
6139.4
6481.6
6832.0
7254.7
7713.7
8197.4
8695.8
9177.8
9533.2
9589.1
9118.6
7942.4
5858.1
2771.9
1029.8
579.1
409.6
268.1
169.4
116.8
70.7
23.0
0.0

OF REPORT)