

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: P950879

Luminaire Tested: **GALN-SB5A-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950879  
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-SB5A-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

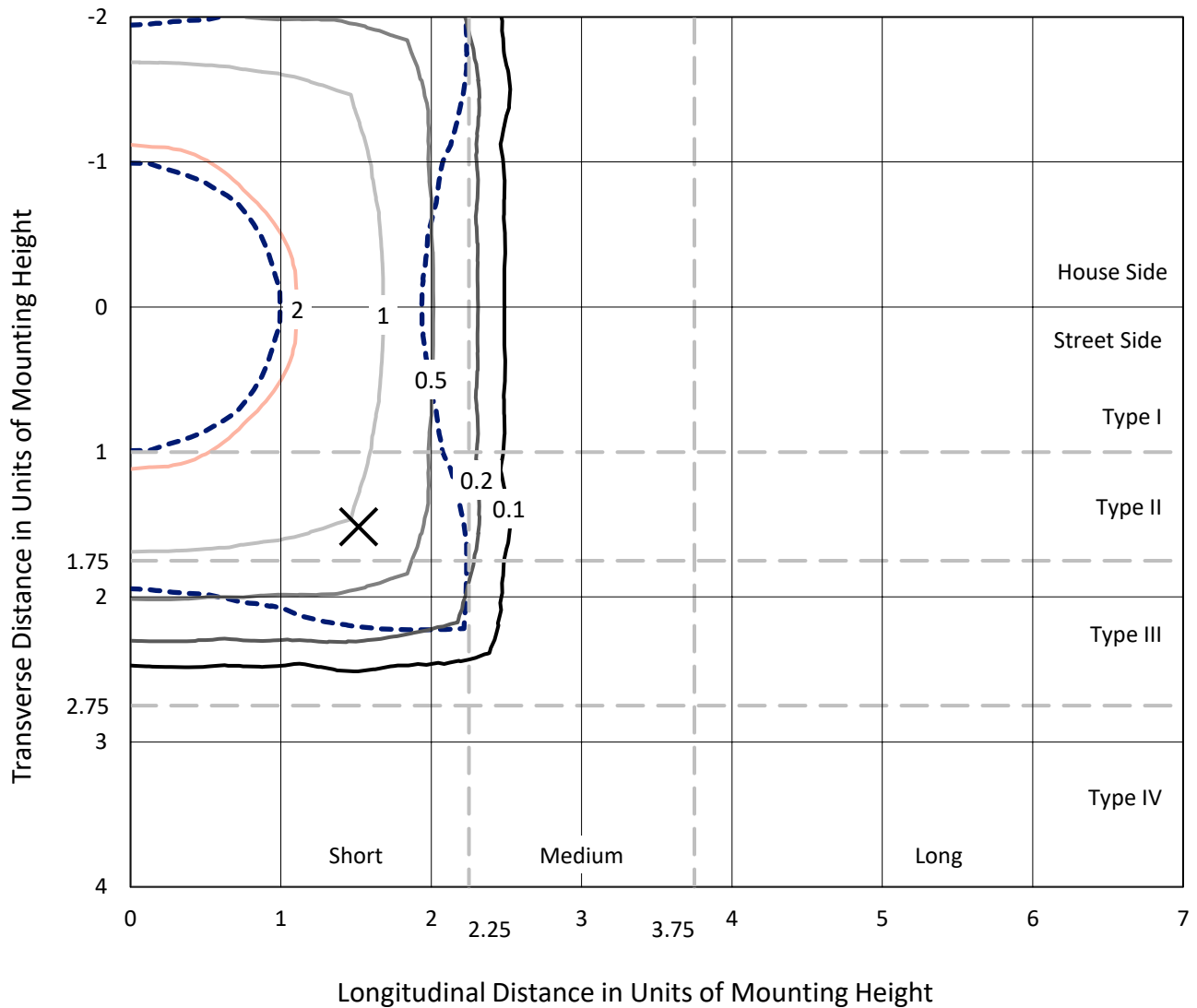
Lumens per Lamp: N/A  
Luminaire Lumens: 16518 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

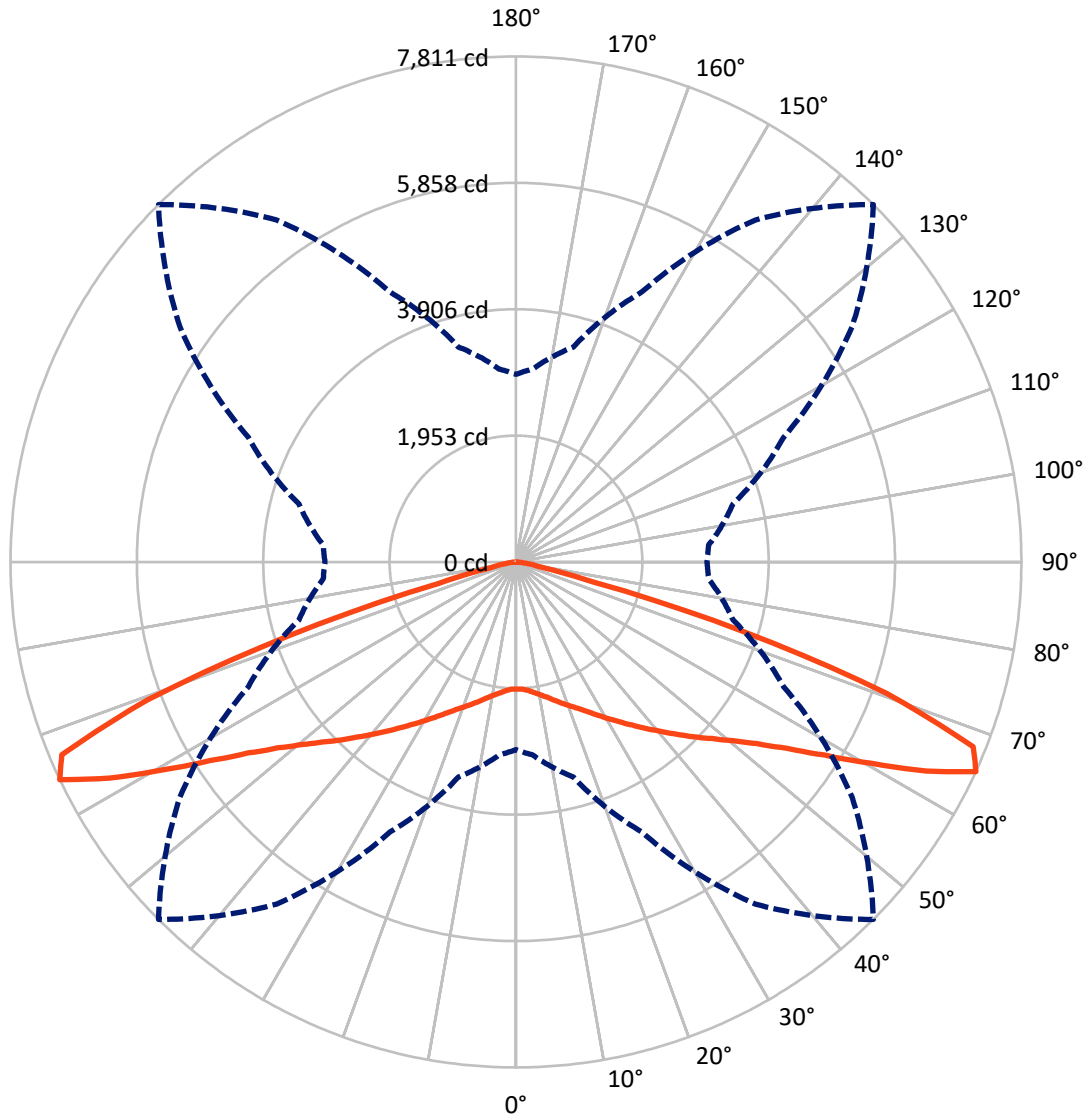
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
<b>House Side</b>	Lumens	8259.0	0.0	8259.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8259.0	0.0	8259.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16518.0	0.0	16518.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.0	1.2
10°-20°	633.1	3.8
20°-30°	1195.3	7.2
30°-40°	1957.2	11.8
40°-50°	3034.7	18.4
50°-60°	4482.9	27.1
60°-70°	4267.3	25.8
70°-80°	688.6	4.2
80°-90°	64.9	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°	16518.0	100.0
0°-180°	16518.0	100.0



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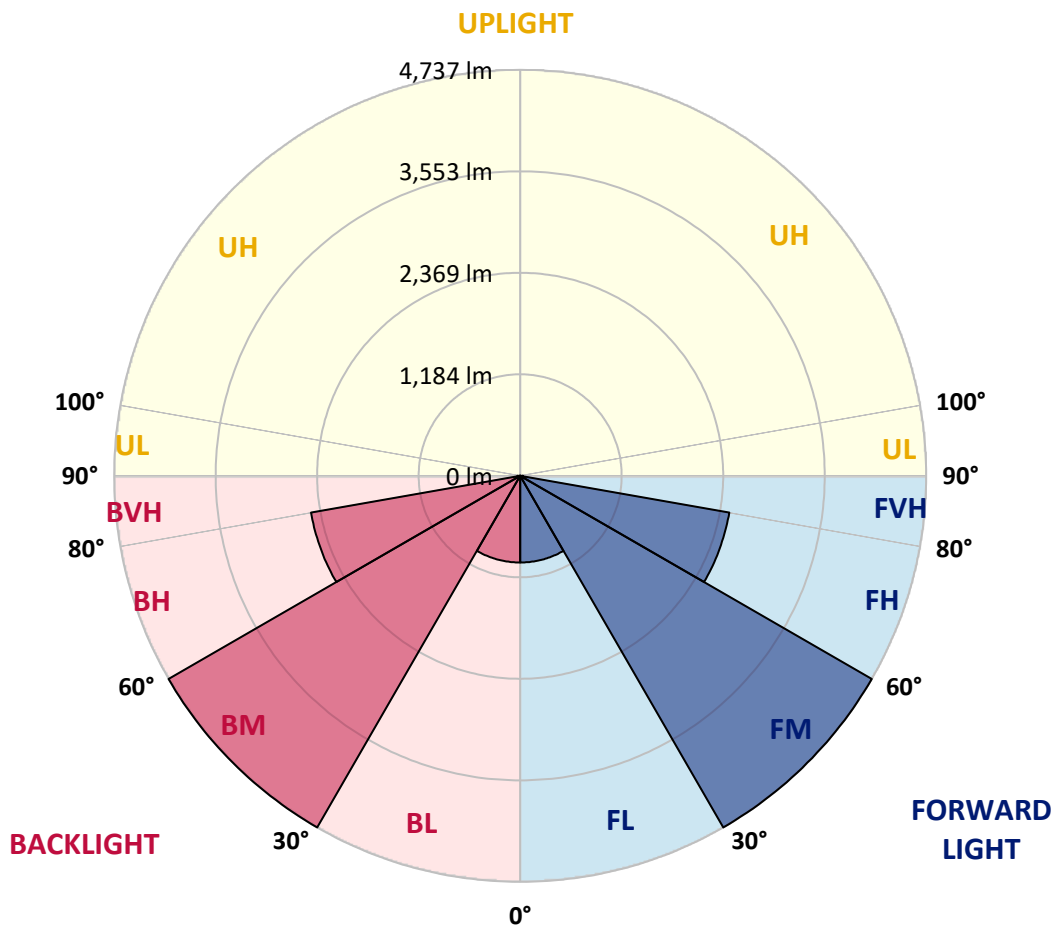
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.2	6.1			
FM (30°-60°)	4737.4	28.7			
FH (60°-80°)	2477.9	15.0			G2/5000
FVH (80°-90°)	32.5	0.2			G1/100
BL (0°-30°)	1011.2	6.1	B3/2500		
BM (30°-60°)	4737.4	28.7	B3/5000		
BH (60°-80°)	2477.9	15.0	B3/2500		G2/5000
BVH (80°-90°)	32.5	0.2			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°	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8	1965.8
2.5°	1979.1	1972.4	1977.4	1973.3	1970.0	1966.6	1968.3	1974.1	1976.6	1977.4
5°	2005.6	1999.8	2002.3	2002.3	1996.5	1994.8	1995.6	1999.8	2004.8	2004.8
7.5°	2048.7	2042.9	2048.7	2045.4	2040.4	2038.7	2037.9	2041.2	2048.7	2048.7
10°	2100.9	2094.3	2097.6	2095.9	2090.1	2087.6	2086.8	2091.8	2098.4	2097.6
12.5°	2158.1	2150.6	2154.8	2149.8	2148.1	2145.6	2145.6	2144.8	2149.0	2145.6
15°	2221.9	2216.9	2218.6	2215.3	2217.7	2216.1	2209.5	2206.1	2207.8	2202.8
17.5°	2297.3	2285.7	2291.5	2289.9	2289.9	2293.2	2282.4	2278.2	2281.6	2276.6
20°	2384.3	2372.7	2375.2	2371.9	2367.8	2371.1	2357.8	2361.1	2363.6	2360.3
22.5°	2479.6	2464.7	2463.9	2465.5	2456.4	2457.3	2448.1	2456.4	2461.4	2452.3
25°	2577.4	2561.7	2572.5	2568.3	2556.7	2559.2	2552.6	2560.9	2565.0	2553.4
27.5°	2681.0	2670.2	2680.2	2682.7	2668.6	2678.5	2668.6	2676.1	2680.2	2662.8
30°	2802.0	2791.2	2800.4	2807.0	2790.4	2806.2	2797.9	2802.8	2803.7	2783.0
32.5°	2933.8	2917.2	2940.4	2943.7	2925.5	2944.6	2933.8	2940.4	2944.6	2916.4
35°	3094.6	3073.9	3100.4	3096.2	3080.5	3096.2	3086.3	3096.2	3106.2	3072.2
37.5°	3267.8	3246.2	3274.4	3267.0	3252.0	3262.8	3257.0	3263.6	3279.4	3242.9
40°	3458.4	3431.9	3470.0	3456.7	3442.6	3441.0	3444.3	3448.5	3469.2	3428.6
42.5°	3662.3	3634.1	3691.3	3670.6	3650.7	3637.4	3648.2	3656.5	3676.4	3630.8
45°	3895.1	3862.8	3937.4	3912.6	3881.1	3853.7	3871.1	3883.5	3912.6	3857.9
47.5°	4152.1	4115.6	4195.2	4187.7	4136.3	4076.6	4116.4	4152.1	4173.6	4107.3
50°	4403.2	4375.0	4479.4	4488.5	4425.6	4341.8	4397.4	4451.2	4457.0	4370.0
52.5°	4638.5	4610.4	4762.0	4819.2	4762.9	4663.4	4722.2	4776.9	4733.0	4620.3
55°	4826.7	4803.5	4996.6	5144.1	5163.1	5081.1	5115.9	5114.2	4970.0	4796.8
57.5°	4872.3	4868.9	5112.6	5425.0	5623.9	5633.9	5565.1	5389.4	5078.6	4845.7
60°	4665.1	4685.8	5020.6	5571.7	6102.1	6322.6	6025.0	5523.7	4955.1	4631.9
62.5°	4045.2	4099.9	4503.5	5392.7	6488.3	7114.9	6393.8	5319.8	4447.9	4026.1
65°	2899.0	2994.3	3440.2	4602.1	6453.5	7811.0	6340.8	4564.8	3473.3	2986.8
67.5°	1315.2	1412.2	1790.9	3150.9	5609.8	7622.1	5596.6	3184.1	1880.4	1417.2
70°	476.5	493.1	614.9	1261.4	3585.2	6073.1	3738.5	1270.5	653.9	525.4
72.5°	288.4	290.9	316.6	451.7	1245.6	3687.1	1298.7	466.6	323.2	286.7
75°	183.2	181.5	225.4	276.0	441.7	1244.0	463.3	276.0	224.6	204.7
77.5°	131.8	135.9	161.6	206.4	278.5	421.8	273.5	197.2	161.6	132.6
80°	98.6	101.1	117.7	160.8	195.6	262.7	174.0	145.9	121.8	82.9
82.5°	71.3	71.3	77.1	116.9	119.3	141.7	94.5	102.8	80.4	58.8
85°	42.3	41.4	48.1	69.6	62.2	52.2	43.1	63.0	50.6	36.5
87.5°	14.9	15.7	14.9	19.9	16.6	14.1	13.3	17.4	14.1	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1965.8
1977.4
2004.8
2046.2
2095.9
2147.3
2203.7
2280.7
2367.8
2461.4
2566.7
2676.1
2795.4
2935.5
3092.9
3265.3
3441.8
3654.8
3886.0
4129.7
4380.8
4623.6
4802.6
4830.8
4593.8
4001.2
2951.2
1396.5
518.8
291.7
206.4
135.1
85.4
58.8
35.6
11.6
0.0

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