

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: P951193

Luminaire Tested: **GALN-SB5B-935-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951193  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5B-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

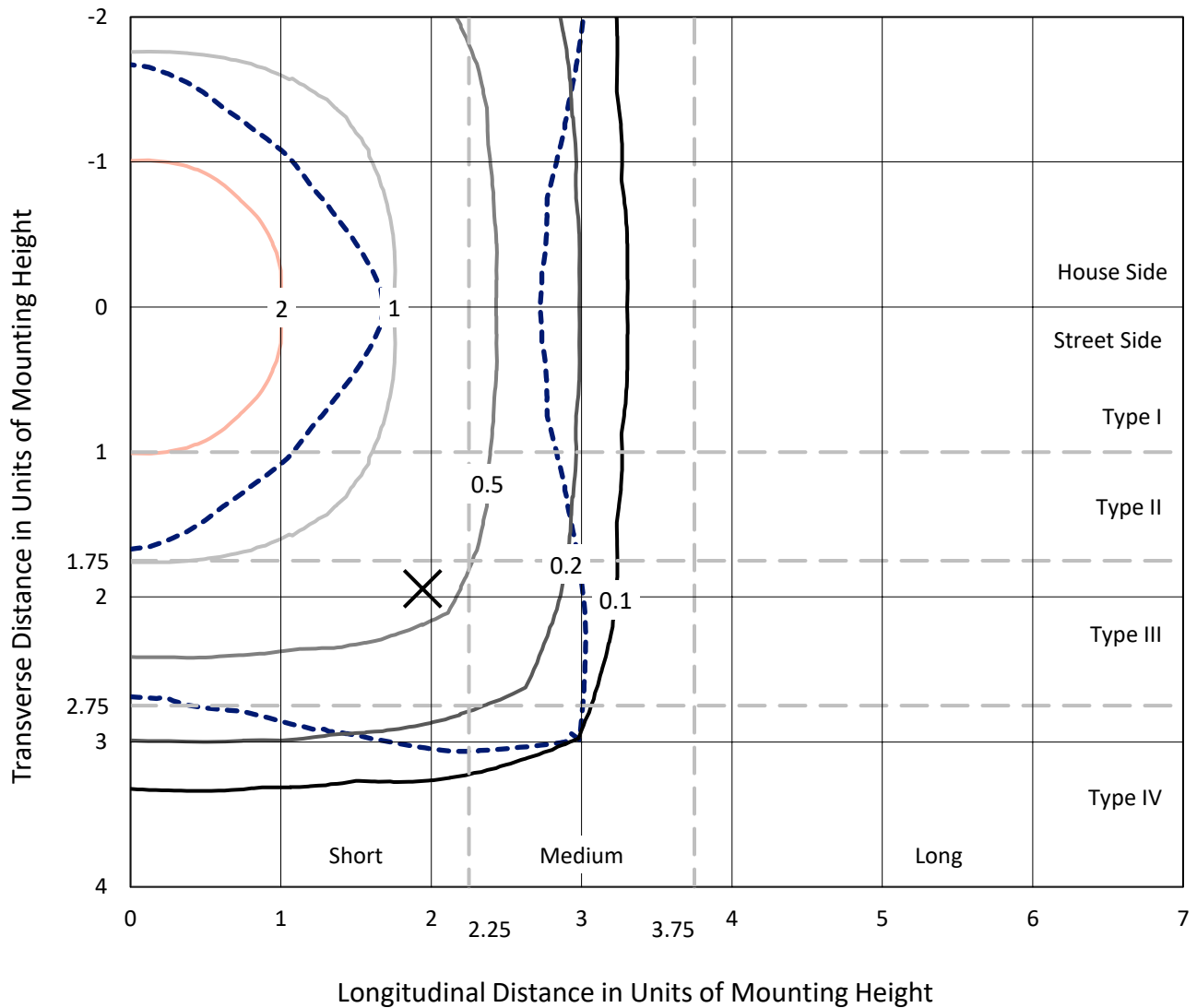
Lumens per Lamp: N/A  
Luminaire Lumens: 20723 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

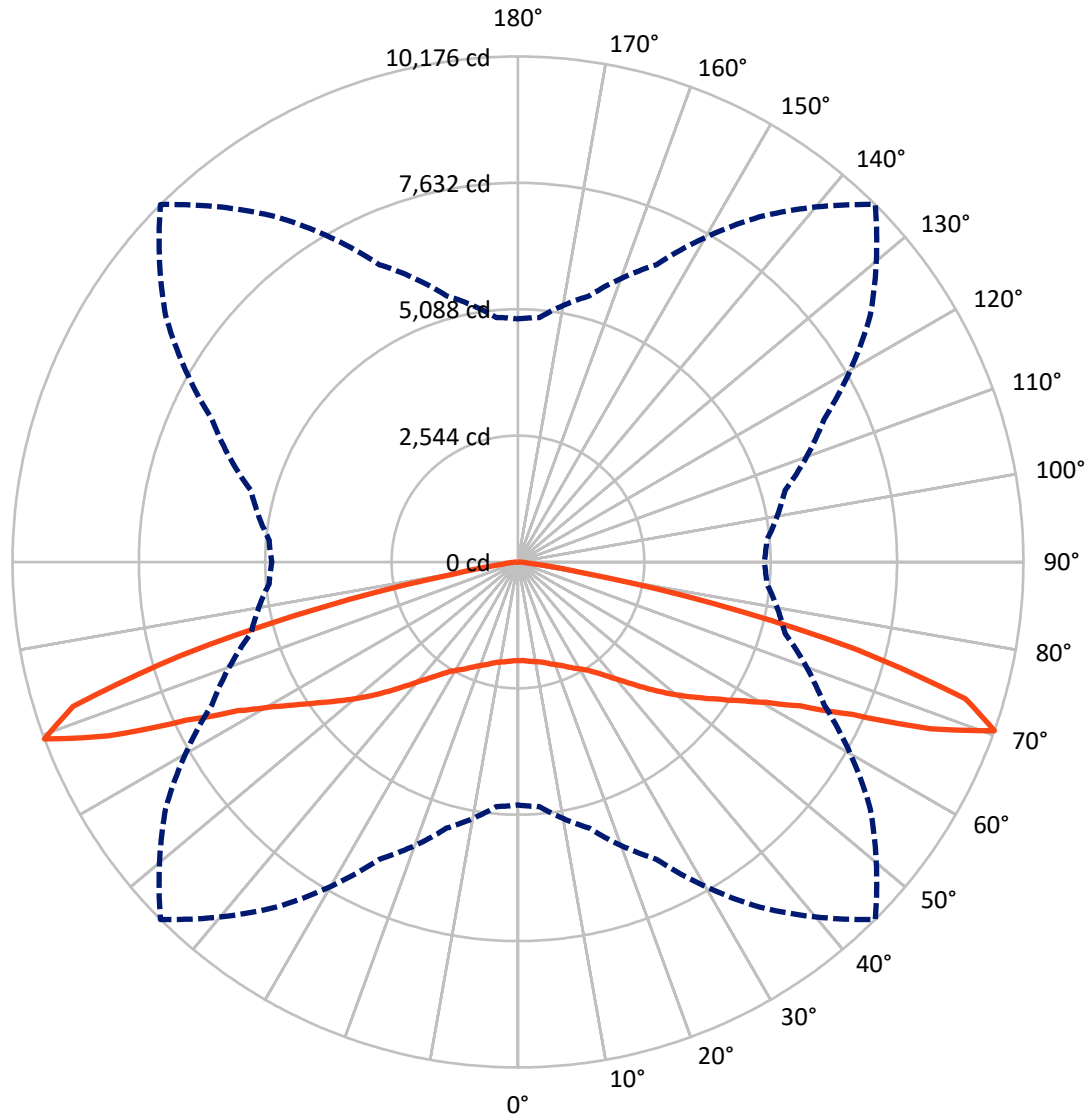
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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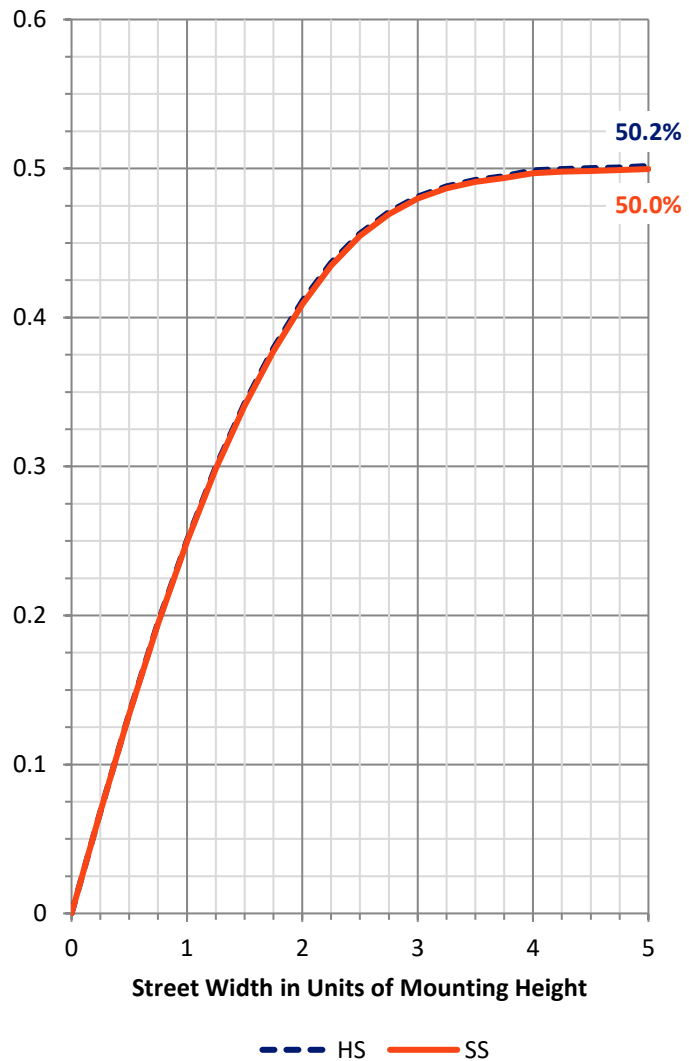
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10361.5	0.0	10361.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10361.5	0.0	10361.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20723.0	0.0	20723.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.8	0.9
10°-20°	598.0	2.9
20°-30°	1068.7	5.2
30°-40°	1732.3	8.4
40°-50°	2821.7	13.6
50°-60°	4302.1	20.8
60°-70°	6400.2	30.9
70°-80°	3488.3	16.8
80°-90°	118.8	0.6
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°	20723.0	100.0
0°-180°	20723.0	100.0

**Coefficient of Utilization**



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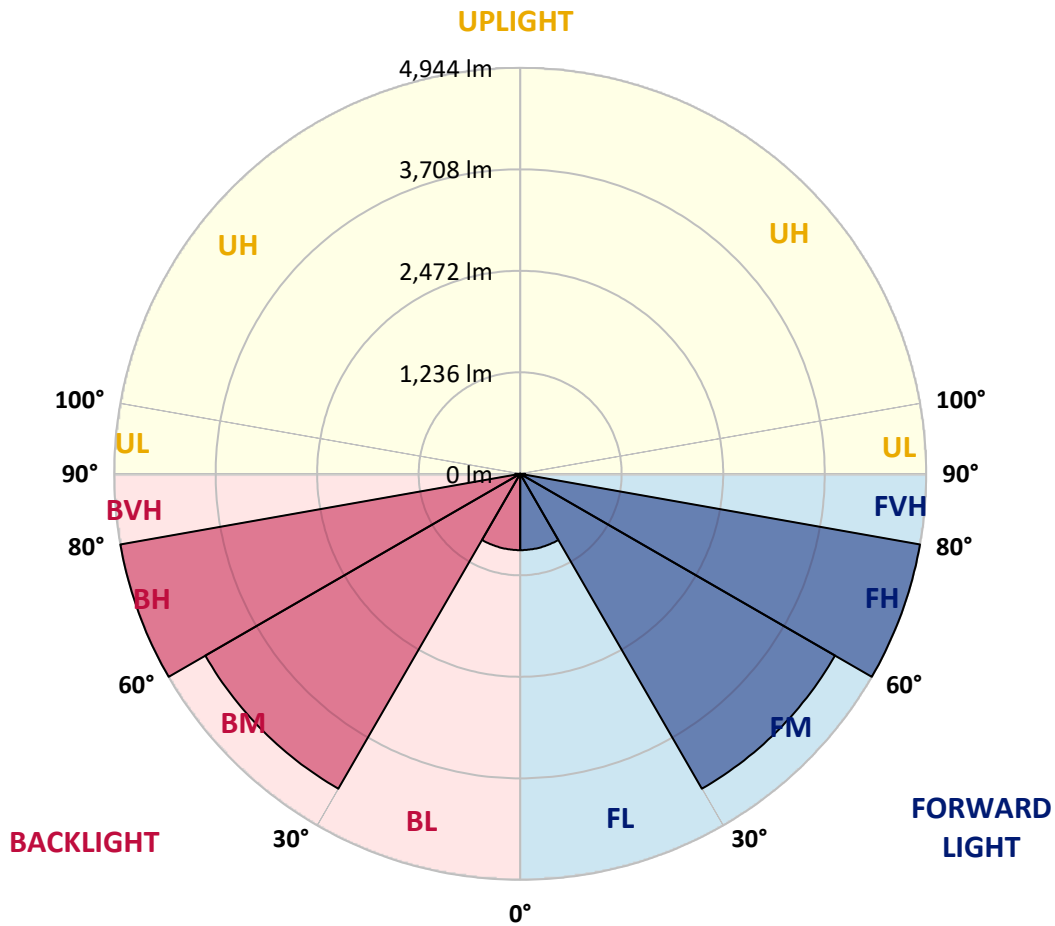
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.8	4.5			
FM (30°-60°)	4428.1	21.4			
FH (60°-80°)	4944.3	23.9			G2/5000
FVH (80°-90°)	59.4	0.3			G1/100
BL (0°-30°)	929.8	4.5	B2/1000		
BM (30°-60°)	4428.1	21.4	B3/5000		
BH (60°-80°)	4944.3	23.9	B4/5000		G2/5000
BVH (80°-90°)	59.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1985.0	1985.0	1985.0	1985.0	1985.0	1985.0	1985.0	1985.0	1985.0	1985.0
2.5°	1994.4	1996.5	1992.3	1990.3	1988.2	1985.0	1986.1	1991.3	1995.5	1994.4
5°	2011.1	2013.1	2010.0	2009.0	2004.8	2003.8	2003.8	2009.0	2012.1	2010.0
7.5°	2029.8	2032.9	2027.7	2026.7	2024.6	2022.5	2021.5	2026.7	2029.8	2029.8
10°	2047.5	2050.6	2046.4	2043.3	2041.2	2041.2	2039.1	2043.3	2048.5	2047.5
12.5°	2066.2	2068.3	2064.1	2062.0	2062.0	2065.2	2062.0	2064.1	2068.3	2066.2
15°	2089.1	2090.1	2089.1	2092.2	2097.4	2107.8	2098.5	2096.4	2098.5	2093.2
17.5°	2120.3	2122.4	2126.5	2133.8	2141.1	2159.8	2143.2	2138.0	2138.0	2127.6
20°	2158.8	2161.9	2168.2	2180.6	2190.0	2207.7	2191.0	2183.8	2180.6	2167.1
22.5°	2199.4	2204.6	2213.9	2230.6	2247.2	2263.9	2247.2	2234.7	2225.4	2207.7
25°	2246.2	2252.4	2267.0	2294.0	2316.9	2340.9	2321.1	2296.1	2277.4	2252.4
27.5°	2312.8	2320.1	2337.7	2371.0	2400.2	2421.0	2402.2	2370.0	2344.0	2313.8
30°	2406.4	2413.7	2434.5	2469.9	2489.6	2503.2	2490.7	2465.7	2434.5	2400.2
32.5°	2527.1	2536.5	2559.3	2592.6	2596.8	2598.9	2594.7	2582.2	2559.3	2517.7
35°	2680.0	2690.4	2716.4	2743.5	2739.3	2743.5	2737.2	2733.1	2716.4	2668.6
37.5°	2867.3	2879.8	2906.8	2927.6	2917.2	2912.0	2913.1	2914.1	2904.7	2851.7
40°	3084.7	3101.4	3121.1	3143.0	3125.3	3109.7	3120.1	3128.4	3120.1	3066.0
42.5°	3308.4	3332.3	3353.2	3384.4	3369.8	3350.0	3364.6	3374.0	3356.3	3298.0
45°	3557.1	3580.0	3607.0	3653.8	3643.4	3622.6	3643.4	3645.5	3615.3	3546.7
47.5°	3814.0	3838.0	3878.5	3941.0	3936.8	3913.9	3941.0	3926.4	3887.9	3805.7
50°	4057.5	4090.8	4153.2	4240.6	4248.9	4220.8	4257.2	4229.2	4164.6	4061.7
52.5°	4286.4	4321.7	4420.6	4539.2	4569.4	4532.9	4581.8	4532.9	4436.2	4304.1
55°	4526.7	4566.2	4683.8	4838.8	4899.2	4872.1	4917.9	4844.0	4706.7	4546.5
57.5°	4809.7	4833.6	4974.1	5158.2	5260.2	5266.4	5287.2	5162.4	4995.9	4813.8
60°	5116.6	5149.9	5302.8	5523.4	5684.6	5736.7	5714.8	5529.6	5336.1	5127.0
62.5°	5509.9	5546.3	5729.4	5993.6	6248.5	6377.5	6292.2	6023.8	5784.5	5533.8
65°	5835.5	5876.1	6206.9	6678.2	7142.2	7401.3	7187.0	6692.8	6262.1	5908.3
67.5°	5599.3	5649.3	6168.4	7034.0	8187.8	8960.8	8227.3	7140.1	6296.4	5816.8
70°	4894.0	4940.8	5546.3	6604.3	8482.2	10176.0	8659.1	6798.9	5566.0	5029.2
72.5°	3249.1	3400.0	4012.8	5282.0	7574.0	9416.5	7648.9	5174.9	3722.5	3241.8
75°	1077.8	1198.5	1616.8	2738.3	5072.9	7042.3	4829.5	2423.0	1280.7	921.8
77.5°	271.5	313.2	431.8	783.4	2023.5	4009.6	1821.7	639.8	348.5	243.4
80°	132.1	145.7	208.1	261.1	506.7	1274.5	475.5	245.5	164.4	126.9
82.5°	72.8	73.9	117.6	147.7	188.3	329.8	195.6	143.6	94.7	77.0
85°	44.7	43.7	62.4	79.1	79.1	117.6	93.6	79.1	54.1	47.9
87.5°	17.7	17.7	22.9	25.0	21.8	30.2	23.9	26.0	20.8	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1985.0
1995.5
2011.1
2029.8
2047.5
2065.2
2093.2
2127.6
2167.1
2206.7
2251.4
2312.8
2400.2
2518.8
2668.6
2851.7
3066.0
3302.2
3553.9
3800.5
4059.6
4291.6
4524.6
4788.9
5093.7
5490.1
5850.1
5745.0
4957.4
3136.8
871.8
217.4
116.5
77.0
49.9
20.8
0.0

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