

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: P948737

Luminaire Tested: **GALN-SB3C-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948737  
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-SB3C-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

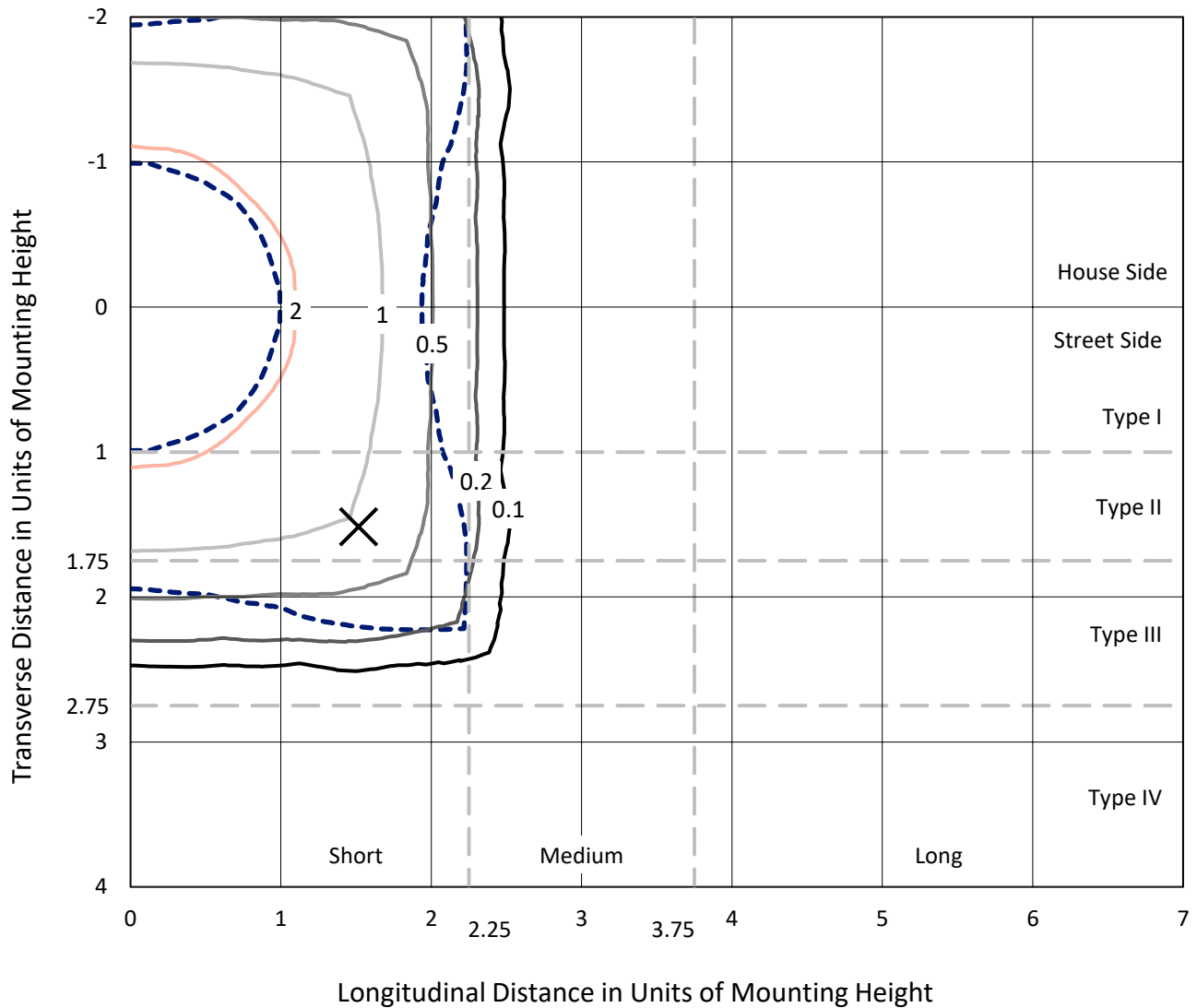
Lumens per Lamp: N/A  
Luminaire Lumens: 16380 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

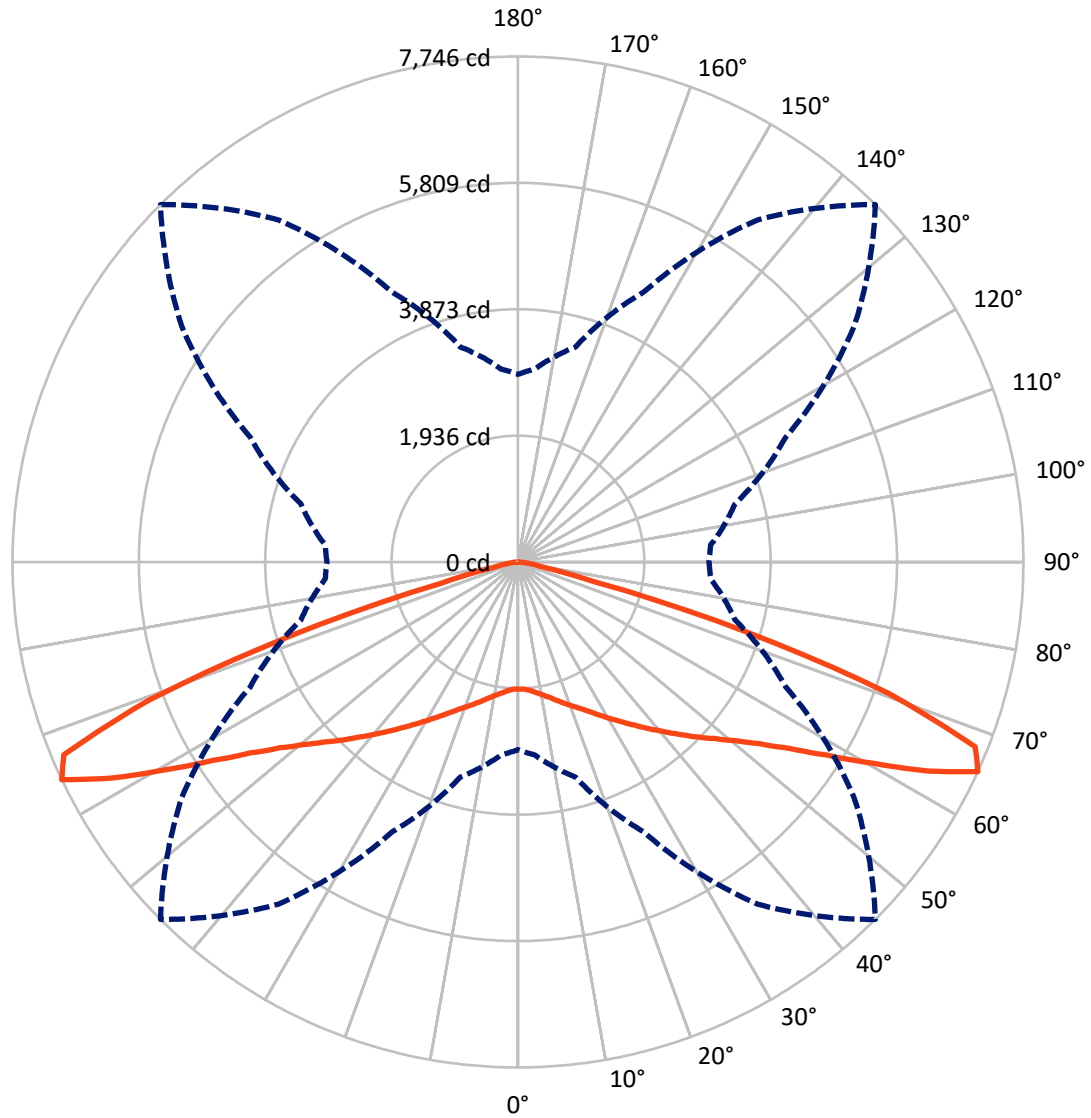
✕ Max cd  
 - - - 1/2 Max cd



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	8190.0	0.0	8190.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8190.0	0.0	8190.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16380.0	0.0	16380.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.4	1.2
10°-20°	627.8	3.8
20°-30°	1185.3	7.2
30°-40°	1940.9	11.8
40°-50°	3009.4	18.4
50°-60°	4445.4	27.1
60°-70°	4231.7	25.8
70°-80°	682.8	4.2
80°-90°	64.4	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°	16380.0	100.0
0°-180°	16380.0	100.0

**Coefficient of Utilization**



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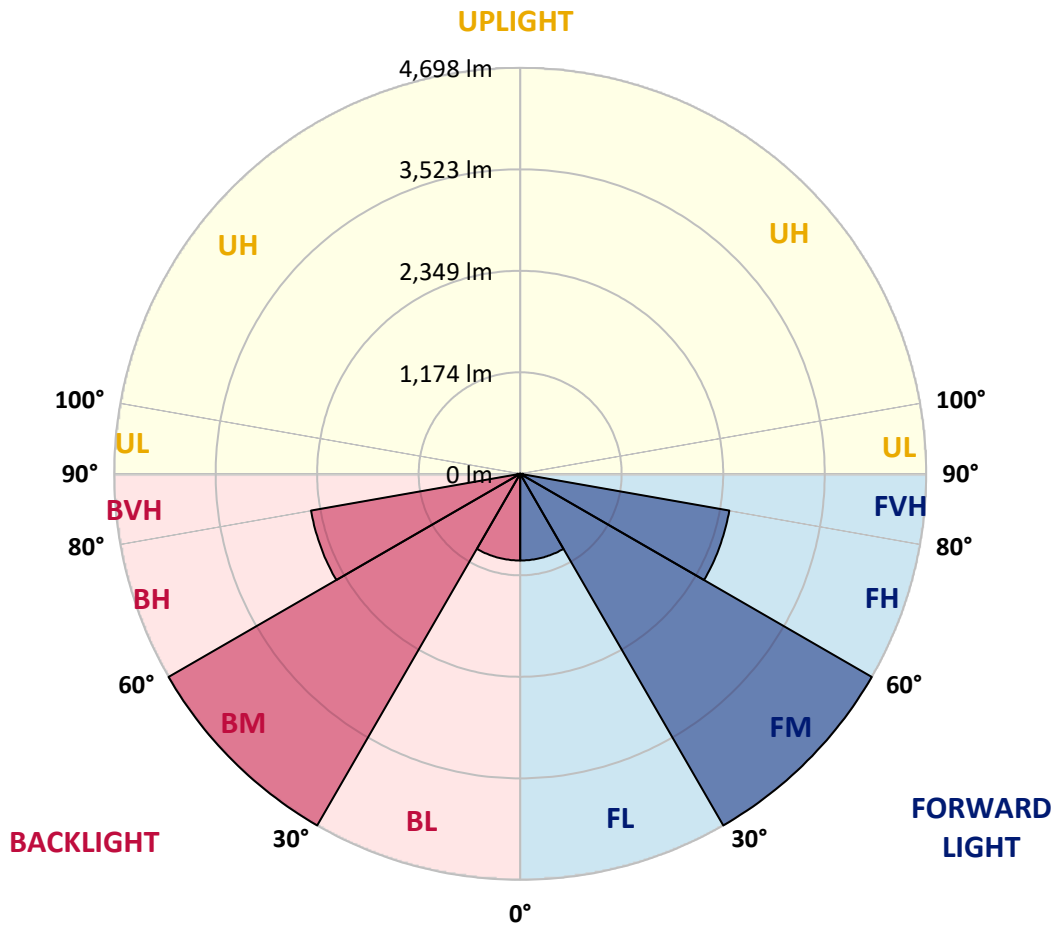
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1002.7	6.1			
FM (30°-60°)	4697.8	28.7			
FH (60°-80°)	2457.2	15.0			G2/5000
FVH (80°-90°)	32.2	0.2			G1/100
BL (0°-30°)	1002.7	6.1	B3/2500		
BM (30°-60°)	4697.8	28.7	B3/5000		
BH (60°-80°)	2457.2	15.0	B3/2500		G2/5000
BVH (80°-90°)	32.2	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°	1949.4	1949.4	1949.4	1949.4	1949.4	1949.4	1949.4	1949.4	1949.4	1949.4
2.5°	1962.5	1956.0	1960.9	1956.8	1953.5	1950.2	1951.8	1957.6	1960.1	1960.9
5°	1988.8	1983.1	1985.5	1985.5	1979.8	1978.1	1979.0	1983.1	1988.0	1988.0
7.5°	2031.6	2025.8	2031.6	2028.3	2023.3	2021.7	2020.9	2024.2	2031.6	2031.6
10°	2083.3	2076.8	2080.1	2078.4	2072.7	2070.2	2069.4	2074.3	2080.9	2080.1
12.5°	2140.0	2132.7	2136.8	2131.8	2130.2	2127.7	2127.7	2126.9	2131.0	2127.7
15°	2203.3	2198.4	2200.0	2196.8	2199.2	2197.6	2191.0	2187.7	2189.4	2184.4
17.5°	2278.1	2266.6	2272.4	2270.7	2270.7	2274.0	2263.3	2259.2	2262.5	2257.6
20°	2364.4	2352.9	2355.4	2352.1	2348.0	2351.3	2338.1	2341.4	2343.9	2340.6
22.5°	2458.9	2444.1	2443.3	2444.9	2435.9	2436.7	2427.7	2435.9	2440.8	2431.8
25°	2555.9	2540.3	2551.0	2546.9	2535.3	2537.8	2531.2	2539.5	2543.6	2532.1
27.5°	2658.6	2647.9	2657.8	2660.3	2646.3	2656.2	2646.3	2653.7	2657.8	2640.5
30°	2778.6	2767.9	2777.0	2783.5	2767.1	2782.7	2774.5	2779.4	2780.3	2759.7
32.5°	2909.3	2892.8	2915.9	2919.1	2901.1	2920.0	2909.3	2915.9	2920.0	2892.0
35°	3068.7	3048.2	3074.5	3070.4	3054.7	3070.4	3060.5	3070.4	3080.2	3046.5
37.5°	3240.5	3219.1	3247.1	3239.7	3224.9	3235.5	3229.8	3236.4	3252.0	3215.8
40°	3429.5	3403.2	3441.0	3427.9	3413.9	3412.2	3415.5	3419.6	3440.2	3399.9
42.5°	3631.7	3603.7	3660.4	3639.9	3620.2	3607.0	3617.7	3625.9	3645.6	3600.4
45°	3862.6	3830.6	3904.5	3879.9	3848.6	3821.5	3838.8	3851.1	3879.9	3825.6
47.5°	4117.4	4081.2	4160.1	4152.7	4101.8	4042.6	4082.0	4117.4	4138.7	4073.0
50°	4366.4	4338.4	4442.0	4451.0	4388.6	4305.6	4360.6	4414.1	4419.8	4333.5
52.5°	4599.8	4571.8	4722.2	4778.9	4723.1	4624.4	4682.8	4737.0	4693.5	4581.7
55°	4786.3	4763.3	4954.8	5101.1	5120.0	5038.6	5073.2	5071.5	4928.5	4756.8
57.5°	4831.5	4828.3	5069.9	5379.7	5576.9	5586.8	5518.6	5344.4	5036.2	4805.2
60°	4626.1	4646.6	4978.7	5525.2	6051.1	6269.8	5974.7	5477.5	4913.7	4593.2
62.5°	4011.4	4065.6	4465.8	5347.7	6434.1	7055.4	6340.4	5275.3	4410.8	3992.5
65°	2874.8	2969.3	3411.4	4563.6	6399.6	7745.8	6287.8	4526.6	3444.3	2961.9
67.5°	1304.2	1400.4	1776.0	3124.6	5563.0	7558.4	5549.8	3157.5	1864.7	1405.3
70°	472.6	489.0	609.8	1250.8	3555.2	6022.4	3707.3	1259.9	648.4	521.0
72.5°	286.0	288.5	313.9	447.9	1235.2	3656.3	1287.8	462.7	320.5	284.4
75°	181.6	180.0	223.5	273.7	438.0	1233.6	459.4	273.7	222.7	203.0
77.5°	130.7	134.8	160.3	204.6	276.1	418.3	271.2	195.6	160.3	131.5
80°	97.8	100.3	116.7	159.4	194.0	260.5	172.6	144.6	120.8	82.2
82.5°	70.7	70.7	76.4	115.9	118.3	140.5	93.7	101.9	79.7	58.4
85°	41.9	41.1	47.7	69.0	61.6	51.8	42.7	62.5	50.1	36.2
87.5°	14.8	15.6	14.8	19.7	16.4	14.0	13.1	17.3	14.0	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1949.4
1960.9
1988.0
2029.1
2078.4
2129.4
2185.2
2261.7
2348.0
2440.8
2545.2
2653.7
2772.0
2910.9
3067.1
3238.0
3413.1
3624.3
3853.6
4095.2
4344.2
4585.0
4762.5
4790.5
4555.4
3967.8
2926.5
1384.8
514.5
289.3
204.6
134.0
84.6
58.4
35.3
11.5
0.0

OF REPORT)