

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: P951592

Luminaire Tested: **GALN-SB5C-950-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951592  
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-SB5C-950-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

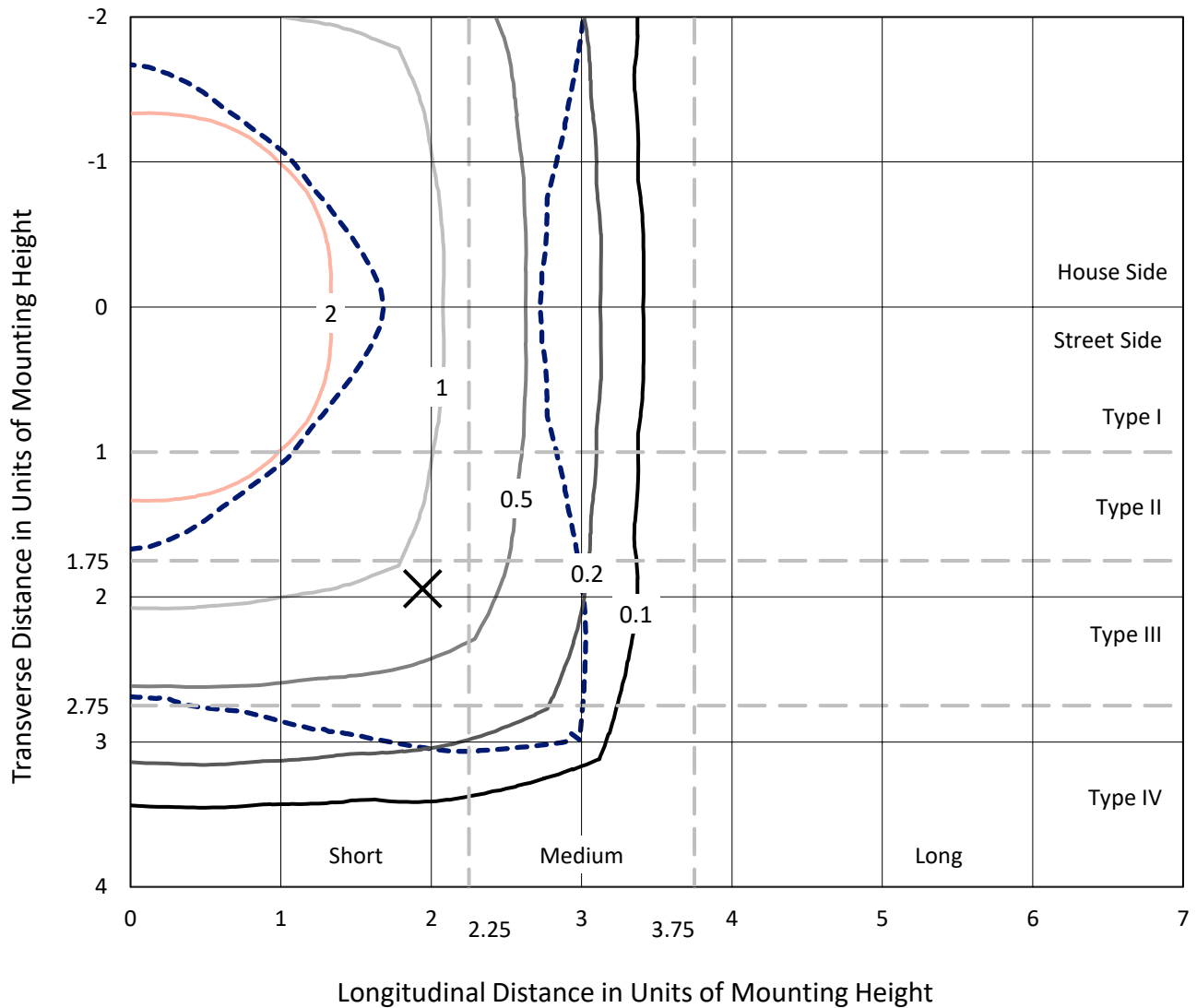
Lumens per Lamp: N/A  
Luminaire Lumens: 27561 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

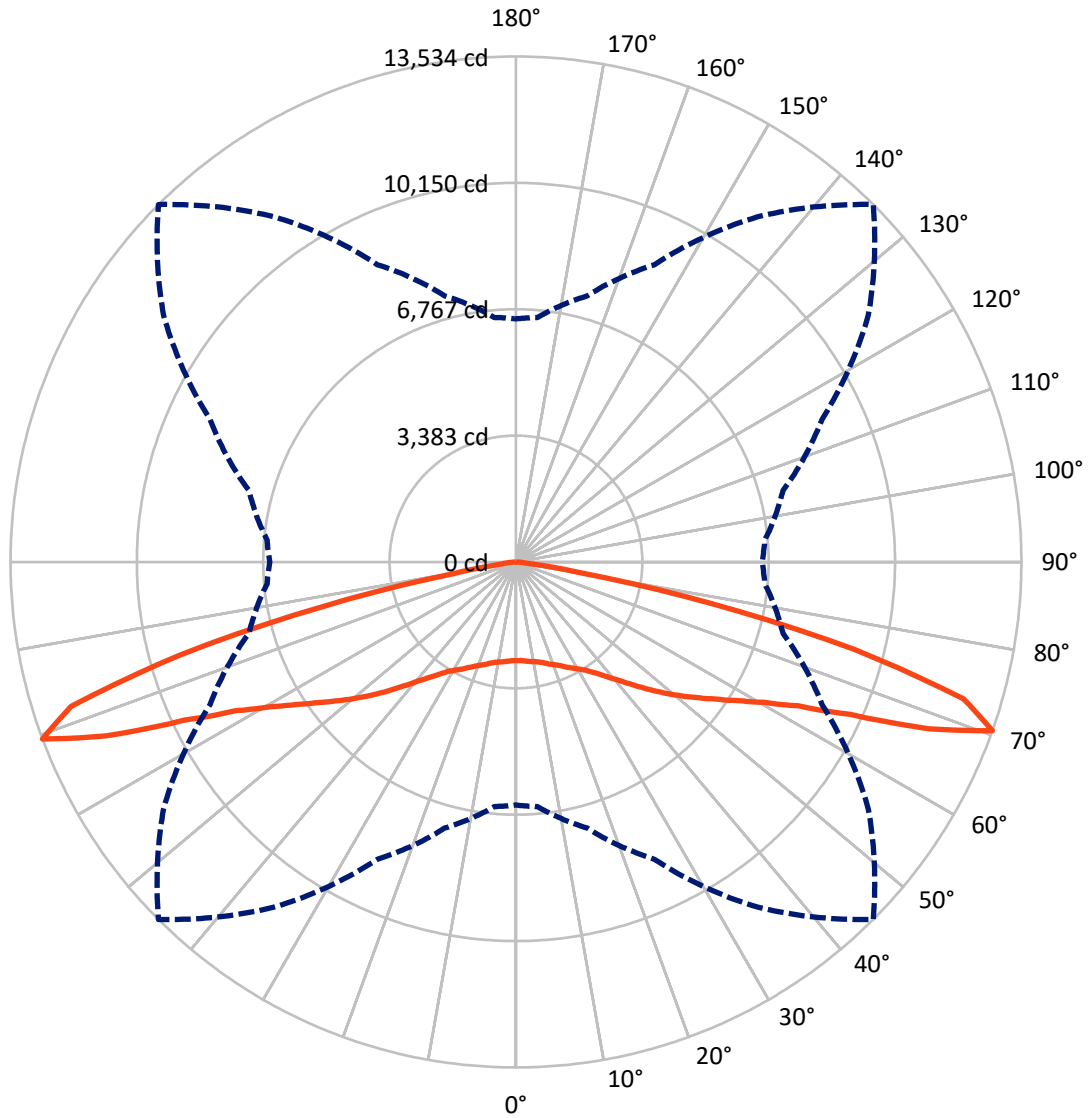
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	13780.5	0.0	13780.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13780.5	0.0	13780.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27561.0	0.0	27561.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.5	0.9
10°-20°	795.3	2.9
20°-30°	1421.3	5.2
30°-40°	2304.0	8.4
40°-50°	3752.8	13.6
50°-60°	5721.7	20.8
60°-70°	8512.1	30.9
70°-80°	4639.4	16.8
80°-90°	158.0	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°	27561.0	100.0
0°-180°	27561.0	100.0



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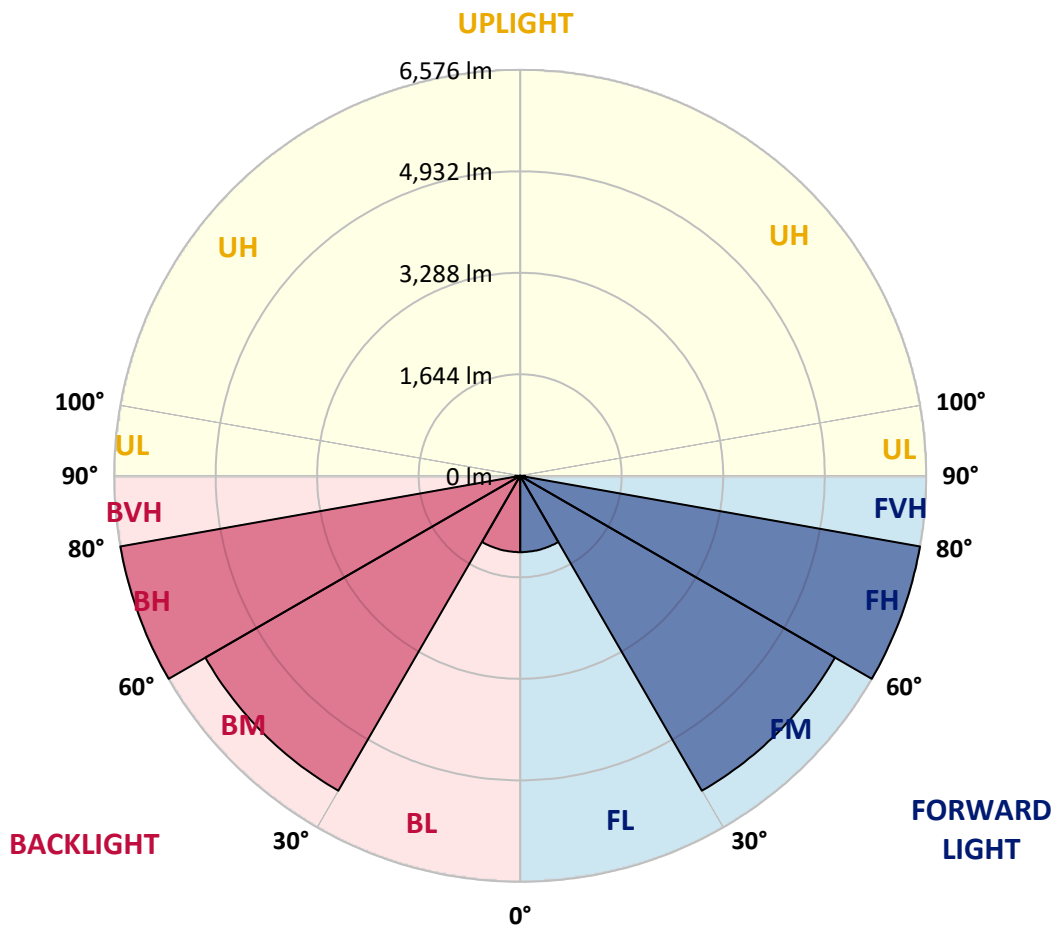
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1236.6	4.5			
FM (30°-60°)	5889.2	21.4			
FH (60°-80°)	6575.7	23.9			G3/7500
FVH (80°-90°)	79.0	0.3			G1/100
BL (0°-30°)	1236.6	4.5	B3/2500		
BM (30°-60°)	5889.2	21.4	B4/8500		
BH (60°-80°)	6575.7	23.9	B5		G3/7500
BVH (80°-90°)	79.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2640.1	2640.1	2640.1	2640.1	2640.1	2640.1	2640.1	2640.1	2640.1	2640.1
2.5°	2652.5	2655.3	2649.7	2647.0	2644.2	2640.1	2641.4	2648.4	2653.9	2652.5
5°	2674.7	2677.4	2673.3	2671.9	2666.3	2665.0	2665.0	2671.9	2676.0	2673.3
7.5°	2699.6	2703.7	2696.8	2695.4	2692.6	2689.9	2688.5	2695.4	2699.6	2699.6
10°	2723.1	2727.2	2721.7	2717.5	2714.8	2714.8	2712.0	2717.5	2724.5	2723.1
12.5°	2748.0	2750.8	2745.2	2742.5	2742.5	2746.6	2742.5	2745.2	2750.8	2748.0
15°	2778.4	2779.8	2778.4	2782.6	2789.5	2803.3	2790.9	2788.1	2790.9	2784.0
17.5°	2819.9	2822.7	2828.2	2837.9	2847.6	2872.5	2850.4	2843.5	2843.5	2829.6
20°	2871.1	2875.3	2883.6	2900.2	2912.6	2936.2	2914.0	2904.3	2900.2	2882.2
22.5°	2925.1	2932.0	2944.5	2966.6	2988.7	3010.9	2988.7	2972.1	2959.7	2936.2
25°	2987.4	2995.7	3015.0	3051.0	3081.5	3113.3	3087.0	3053.8	3028.9	2995.7
27.5°	3075.9	3085.6	3109.1	3153.4	3192.1	3219.8	3194.9	3152.0	3117.4	3077.3
30°	3200.4	3210.1	3237.8	3284.9	3311.1	3329.1	3312.5	3279.3	3237.8	3192.1
32.5°	3361.0	3373.4	3403.8	3448.1	3453.7	3456.4	3450.9	3434.3	3403.8	3348.5
35°	3564.4	3578.2	3612.8	3648.8	3643.2	3648.8	3640.5	3634.9	3612.8	3549.1
37.5°	3813.4	3830.0	3866.0	3893.7	3879.8	3872.9	3874.3	3875.7	3863.2	3792.7
40°	4102.6	4124.7	4151.0	4180.1	4156.6	4135.8	4149.7	4160.7	4149.7	4077.7
42.5°	4400.1	4431.9	4459.6	4501.1	4481.7	4455.4	4474.8	4487.3	4463.7	4386.3
45°	4730.8	4761.2	4797.2	4859.5	4845.6	4818.0	4845.6	4848.4	4808.3	4717.0
47.5°	5072.6	5104.4	5158.4	5241.4	5235.8	5205.4	5241.4	5222.0	5170.8	5061.5
50°	5396.3	5440.6	5523.6	5639.9	5650.9	5613.6	5662.0	5624.7	5538.9	5401.9
52.5°	5700.8	5747.8	5879.2	6037.0	6077.1	6028.7	6093.7	6028.7	5900.0	5724.3
55°	6020.4	6073.0	6229.3	6435.5	6515.7	6479.8	6540.6	6442.4	6259.8	6046.7
57.5°	6396.7	6428.6	6615.4	6860.3	6995.9	7004.2	7031.9	6865.8	6644.4	6402.3
60°	6804.9	6849.2	7052.6	7345.9	7560.4	7629.6	7600.5	7354.3	7096.9	6818.8
62.5°	7328.0	7376.4	7619.9	7971.4	8310.4	8481.9	8368.5	8011.5	7693.3	7359.8
65°	7761.1	7815.0	8255.0	8881.8	9499.0	9843.5	9558.5	8901.2	8328.4	7857.9
67.5°	7447.0	7513.4	8203.8	9355.1	10889.5	11917.6	10942.1	9496.2	8374.0	7736.1
70°	6508.8	6571.1	7376.4	8783.6	11281.1	13533.8	11516.4	9042.3	7402.7	6688.7
72.5°	4321.2	4521.9	5336.8	7024.9	10073.2	12523.7	10172.8	6882.4	4950.8	4311.5
75°	1433.5	1594.0	2150.2	3641.8	6746.8	9366.1	6423.0	3222.6	1703.3	1225.9
77.5°	361.1	416.5	574.2	1041.9	2691.3	5332.7	2422.8	851.0	463.5	323.8
80°	175.7	193.7	276.7	347.3	673.9	1695.0	632.3	326.5	218.6	168.8
82.5°	96.9	98.2	156.4	196.5	250.4	438.6	260.1	190.9	125.9	102.4
85°	59.5	58.1	83.0	105.2	105.2	156.4	124.5	105.2	72.0	63.6
87.5°	23.5	23.5	30.4	33.2	29.1	40.1	31.8	34.6	27.7	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2640.1
2653.9
2674.7
2699.6
2723.1
2746.6
2784.0
2829.6
2882.2
2934.8
2994.3
3075.9
3192.1
3349.9
3549.1
3792.7
4077.7
4391.8
4726.6
5054.6
5399.1
5707.7
6017.6
6369.1
6774.5
7301.7
7780.4
7640.7
6593.2
4171.8
1159.5
289.2
155.0
102.4
66.4
27.7
0.0

OF REPORT)