

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: P954449

Luminaire Tested: **GALN-SB7C-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954449  
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-SB7C-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

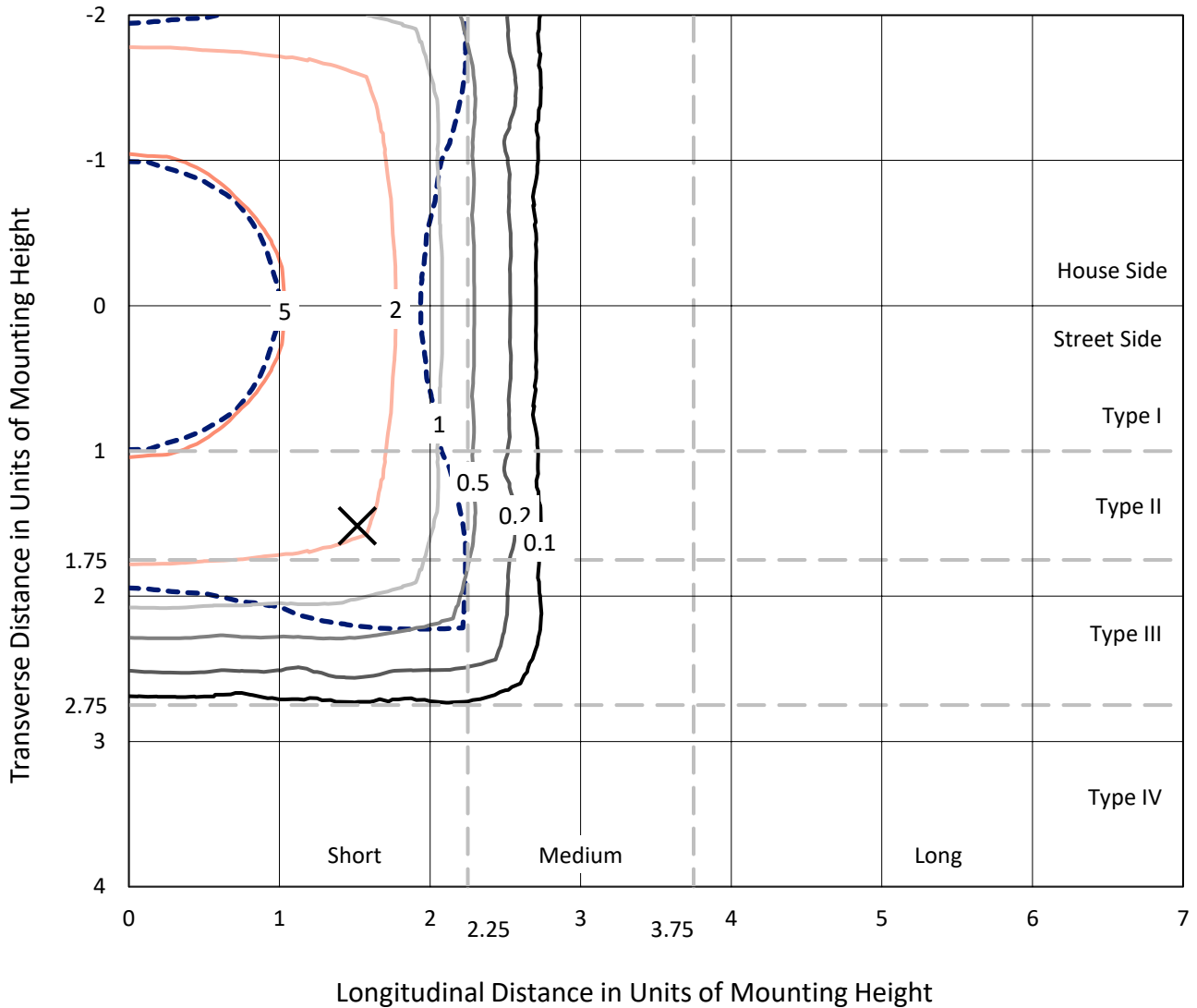
Lumens per Lamp: N/A  
Luminaire Lumens: 38825 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

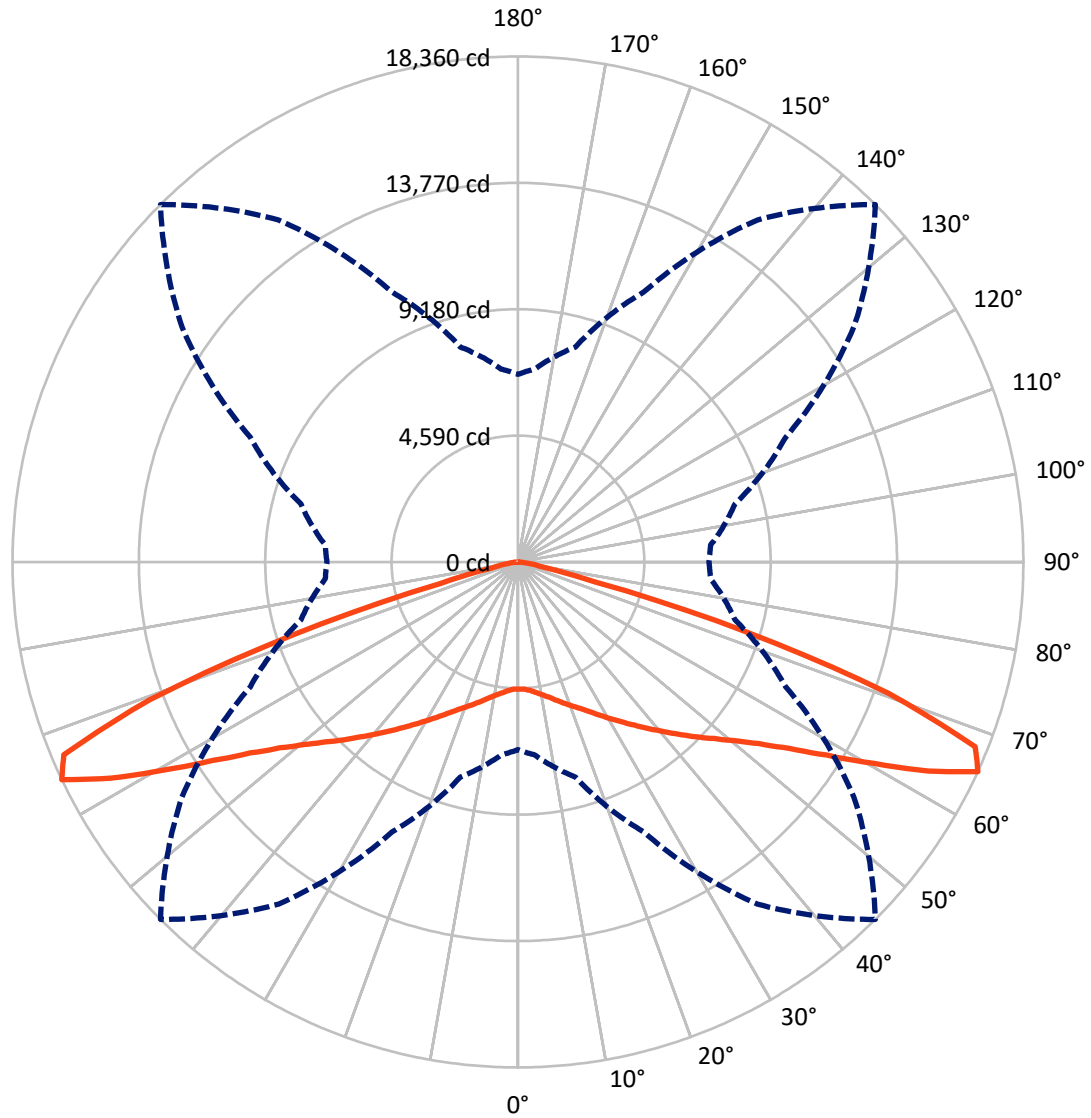
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	19412.5	0.0	19412.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19412.5	0.0	19412.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38825.0	0.0	38825.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	456.0	1.2
10°-20°	1488.0	3.8
20°-30°	2809.5	7.2
30°-40°	4600.4	11.8
40°-50°	7133.0	18.4
50°-60°	10536.9	27.1
60°-70°	10030.2	25.8
70°-80°	1618.5	4.2
80°-90°	152.6	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°	38825.0	100.0
0°-180°	38825.0	100.0



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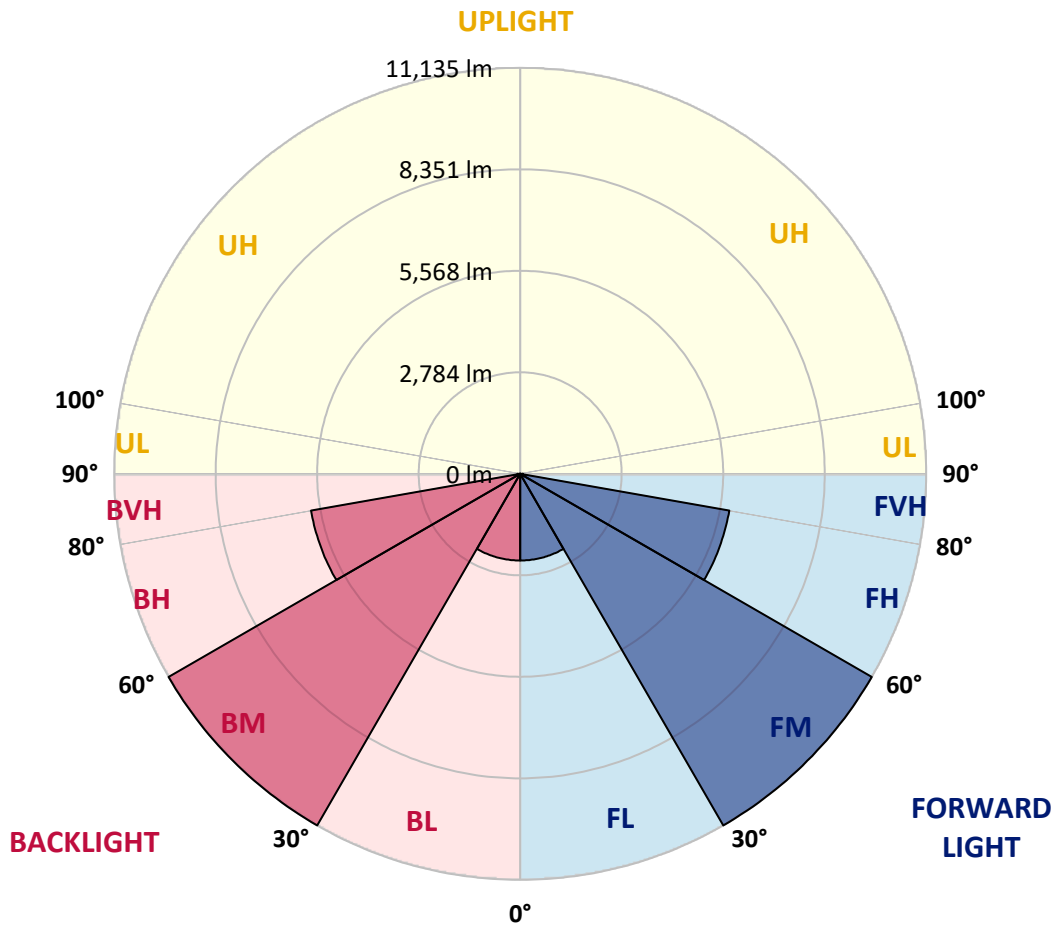
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2376.7	6.1			
FM (30°-60°)	11135.2	28.7			
FH (60°-80°)	5824.3	15.0			G3/7500
FVH (80°-90°)	76.3	0.2			G1/100
BL (0°-30°)	2376.7	6.1	B3/2500		
BM (30°-60°)	11135.2	28.7	B5		
BH (60°-80°)	5824.3	15.0	B5		G3/7500
BVH (80°-90°)	76.3	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-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4620.6	4620.6	4620.6	4620.6	4620.6	4620.6	4620.6	4620.6	4620.6	4620.6
2.5°	4651.7	4636.1	4647.8	4638.1	4630.3	4622.5	4626.4	4640.0	4645.9	4647.8
5°	4714.1	4700.4	4706.3	4706.3	4692.6	4688.7	4690.7	4700.4	4712.1	4712.1
7.5°	4815.4	4801.7	4815.4	4807.6	4795.9	4792.0	4790.0	4797.8	4815.4	4815.4
10°	4938.1	4922.5	4930.3	4926.4	4912.8	4906.9	4905.0	4916.7	4932.2	4930.3
12.5°	5072.5	5055.0	5064.7	5053.0	5049.1	5043.3	5043.3	5041.3	5051.1	5043.3
15°	5222.5	5210.8	5214.7	5206.9	5212.7	5208.8	5193.3	5185.5	5189.4	5177.7
17.5°	5399.7	5372.5	5386.1	5382.2	5382.2	5390.0	5364.7	5354.9	5362.7	5351.0
20°	5604.3	5577.0	5582.9	5575.1	5565.3	5573.1	5541.9	5549.7	5555.6	5547.8
22.5°	5828.3	5793.2	5791.3	5795.2	5773.8	5775.7	5754.3	5773.8	5785.4	5764.0
25°	6058.2	6021.1	6046.5	6036.7	6009.5	6015.3	5999.7	6019.2	6028.9	6001.7
27.5°	6301.7	6276.3	6299.7	6305.5	6272.4	6295.8	6272.4	6290.0	6299.7	6258.8
30°	6586.1	6560.7	6582.2	6597.7	6558.8	6595.8	6576.3	6588.0	6590.0	6541.3
32.5°	6895.8	6856.8	6911.4	6919.2	6876.3	6921.1	6895.8	6911.4	6921.1	6854.9
35°	7273.7	7225.0	7287.3	7277.6	7240.6	7277.6	7254.2	7277.6	7301.0	7221.1
37.5°	7680.8	7630.2	7696.4	7678.9	7643.8	7669.1	7655.5	7671.1	7708.1	7622.4
40°	8128.8	8066.5	8156.1	8124.9	8091.8	8087.9	8095.7	8105.5	8154.2	8058.7
42.5°	8608.0	8541.8	8676.2	8627.5	8580.8	8549.6	8574.9	8594.4	8641.2	8534.0
45°	9155.4	9079.4	9254.8	9196.3	9122.3	9058.0	9098.9	9128.1	9196.3	9067.8
47.5°	9759.3	9673.6	9860.6	9843.0	9722.3	9582.0	9675.5	9759.3	9809.9	9654.1
50°	10349.5	10283.3	10528.7	10550.2	10402.1	10205.4	10335.9	10462.5	10476.1	10271.6
52.5°	10902.7	10836.5	11193.0	11327.4	11194.9	10961.2	11099.5	11228.0	11124.8	10859.9
55°	11344.9	11290.4	11744.3	12091.0	12135.8	11942.9	12024.8	12020.9	11681.9	11274.8
57.5°	11452.1	11444.3	12017.0	12751.4	13218.9	13242.2	13080.6	12667.6	11937.1	11389.7
60°	10965.1	11013.8	11800.7	13096.1	14342.8	14861.0	14161.7	12983.2	11646.9	10887.2
62.5°	9508.0	9636.6	10585.2	12675.4	15250.6	16723.2	15028.5	12504.0	10454.7	9463.2
65°	6814.0	7038.0	8086.0	10817.0	15168.8	18359.5	14903.8	10729.4	8163.9	7020.5
67.5°	3091.4	3319.3	4209.5	7406.1	13185.7	17915.4	13154.6	7484.1	4419.9	3331.0
70°	1120.1	1159.0	1445.4	2964.8	8426.9	14274.7	8787.3	2986.2	1536.9	1235.0
72.5°	677.9	683.7	744.1	1061.6	2927.8	8666.5	3052.5	1096.7	759.7	674.0
75°	430.5	426.6	529.8	648.7	1038.3	2923.9	1088.9	648.7	527.9	481.1
77.5°	309.7	319.5	379.9	485.0	654.5	991.5	642.8	463.6	379.9	311.7
80°	231.8	237.7	276.6	377.9	459.7	617.5	409.1	342.8	286.4	194.8
82.5°	167.5	167.5	181.2	274.7	280.5	333.1	222.1	241.5	189.0	138.3
85°	99.3	97.4	113.0	163.6	146.1	122.7	101.3	148.0	118.8	85.7
87.5°	35.1	37.0	35.1	46.8	39.0	33.1	31.2	40.9	33.1	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4620.6
4647.8
4712.1
4809.5
4926.4
5047.2
5179.6
5360.8
5565.3
5785.4
6032.8
6290.0
6570.5
6899.7
7269.8
7675.0
8089.9
8590.5
9134.0
9706.7
10296.9
10867.7
11288.4
11354.7
10797.5
9404.8
6936.7
3282.3
1219.4
685.7
485.0
317.5
200.6
138.3
83.8
27.3
0.0

OF REPORT)