

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: P942943

Luminaire Tested: **GALN-SB7A-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7A-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22869 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

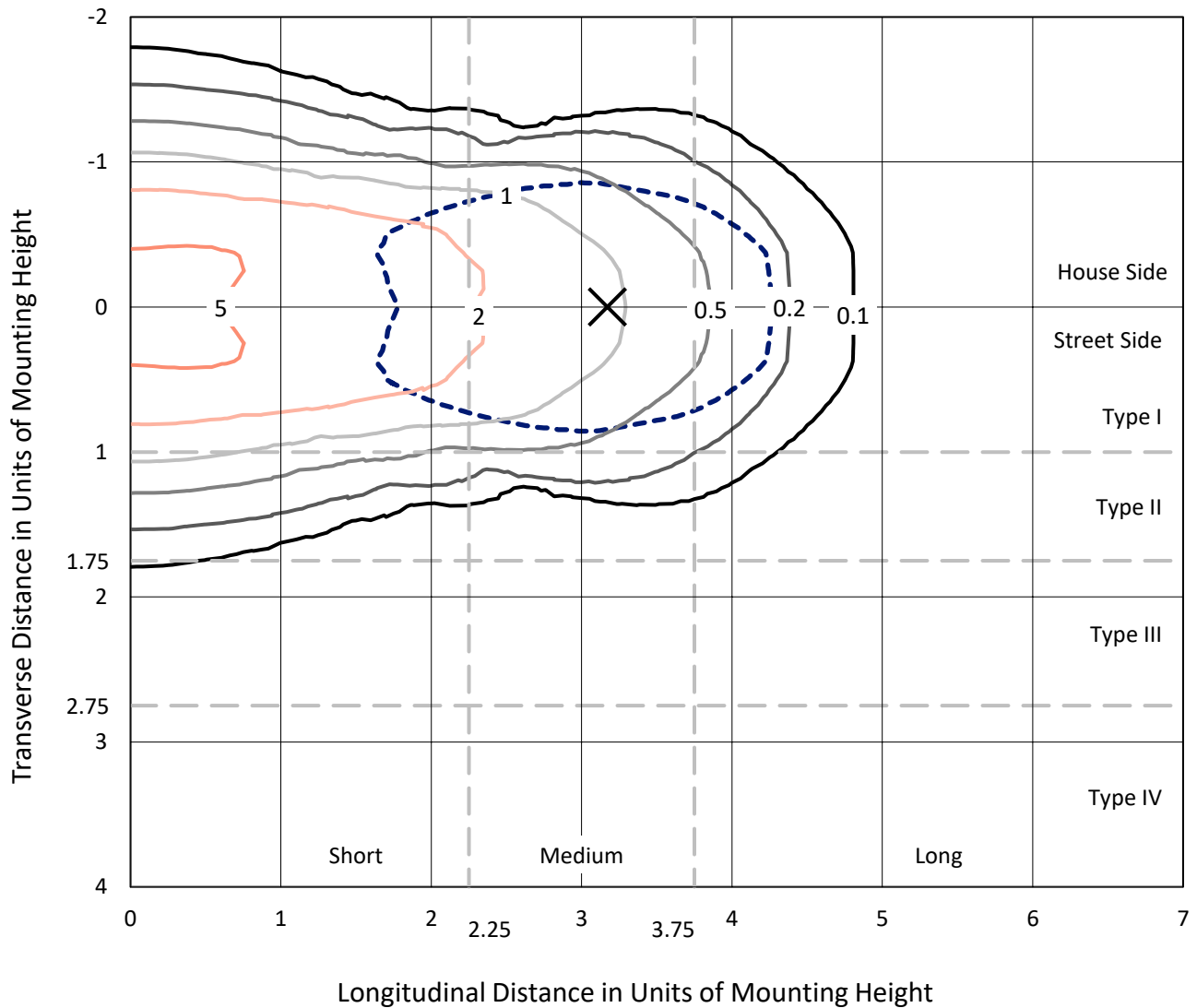
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

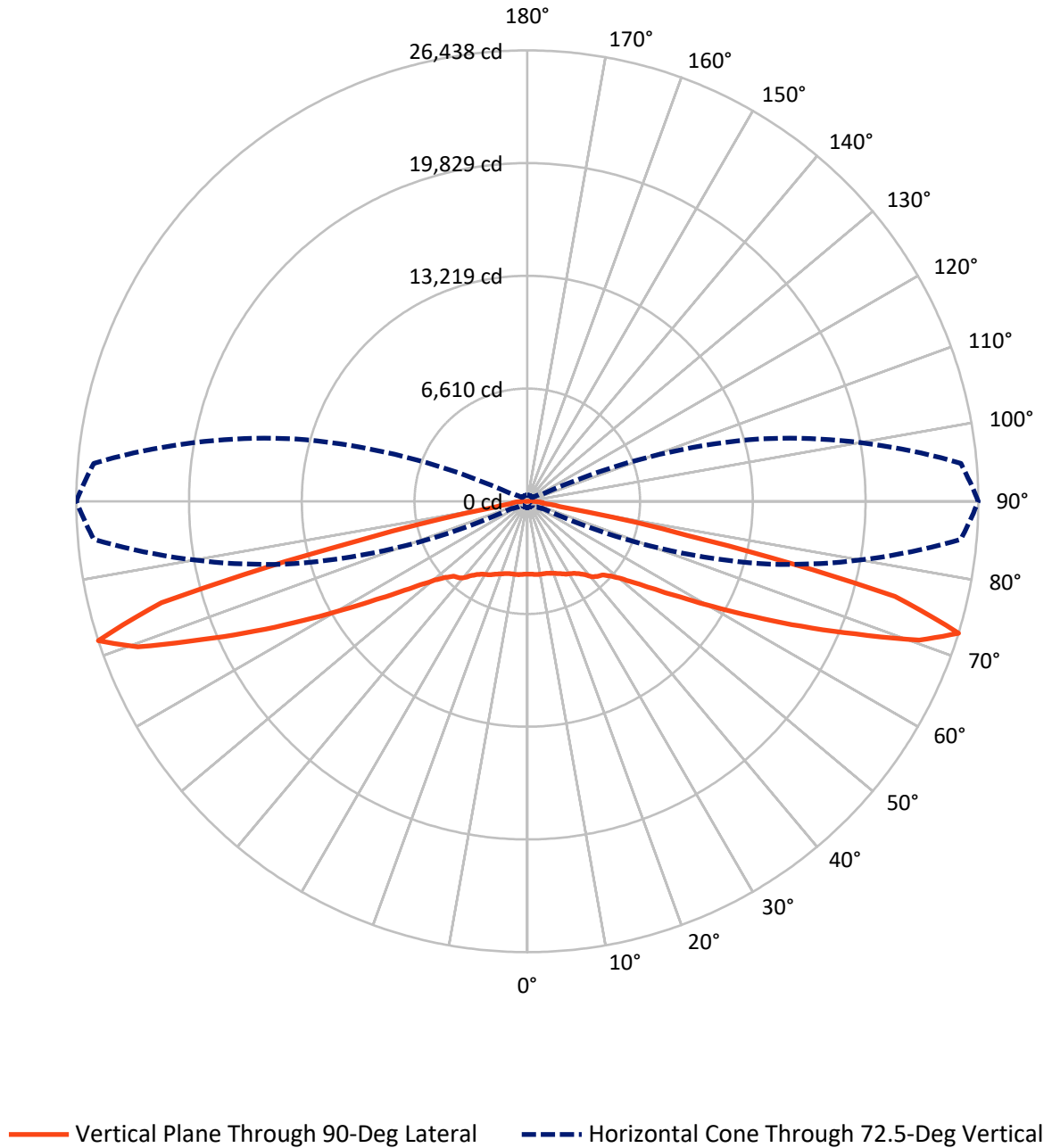
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11434.5	0.0	11434.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11434.5	0.0	11434.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22869.0	0.0	22869.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.3	1.8
10°-20°	1266.9	5.5
20°-30°	2112.5	9.2
30°-40°	2905.3	12.7
40°-50°	3548.2	15.5
50°-60°	4103.8	17.9
60°-70°	4893.1	21.4
70°-80°	3415.1	14.9
80°-90°	209.8	0.9
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°	22869.0	100.0
0°-180°	22869.0	100.0

**Coefficient of Utilization**



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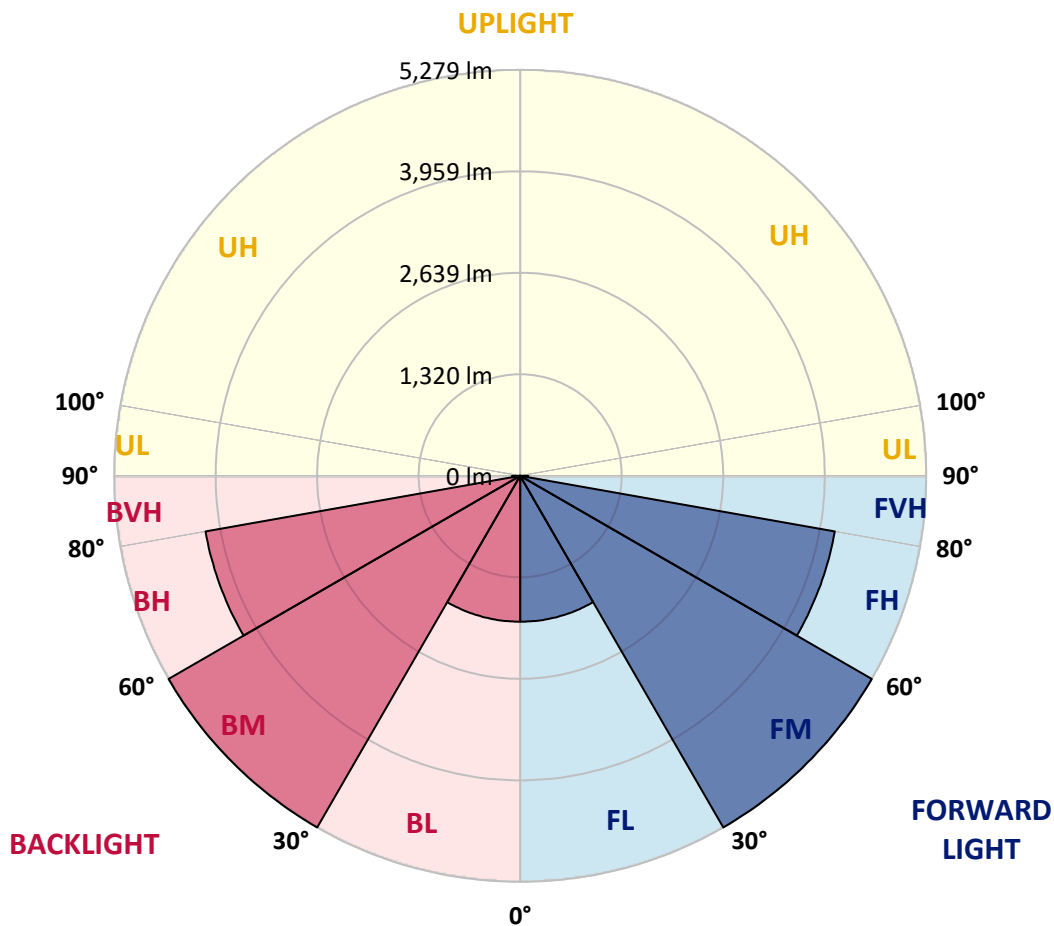
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.9	8.3			
FM (30°-60°)	5278.6	23.1			
FH (60°-80°)	4154.1	18.2			G2/5000
FVH (80°-90°)	104.9	0.5			G2/225
BL (0°-30°)	1896.9	8.3	B3/2500		
BM (30°-60°)	5278.6	23.1	B4/8500		
BH (60°-80°)	4154.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	104.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4273.3	4273.3	4273.3	4273.3	4273.3	4273.3	4273.3	4273.3	4273.3	4273.3
2.5°	4277.0	4281.8	4281.8	4278.2	4286.7	4279.4	4279.4	4275.7	4279.4	4275.7
5°	4298.8	4304.9	4307.3	4306.1	4317.1	4311.0	4311.0	4306.1	4307.3	4303.7
7.5°	4340.2	4348.7	4353.5	4359.6	4375.4	4368.1	4363.3	4348.7	4342.6	4332.9
10°	4353.5	4363.3	4379.1	4410.7	4447.1	4448.3	4433.7	4397.3	4369.3	4347.5
12.5°	4312.2	4325.6	4358.4	4422.8	4504.2	4537.1	4514.0	4453.2	4398.5	4359.6
15°	4259.9	4274.5	4324.4	4421.6	4541.9	4618.5	4616.1	4535.8	4448.3	4387.6
17.5°	4178.5	4193.1	4264.8	4400.9	4571.1	4697.5	4731.5	4648.9	4526.1	4444.7
20°	4031.5	4044.8	4144.5	4335.3	4580.8	4781.3	4870.1	4797.1	4644.0	4533.4
22.5°	3840.6	3861.3	3978.0	4222.3	4557.7	4868.9	5028.1	4978.2	4781.3	4628.2
25°	3636.4	3658.3	3794.5	4083.7	4498.2	4932.1	5215.2	5183.6	4936.9	4746.1
27.5°	3460.2	3483.3	3631.6	3946.4	4405.8	4956.4	5400.0	5415.8	5125.3	4876.1
30°	3321.7	3343.5	3501.5	3835.8	4286.7	4932.1	5561.6	5671.0	5317.3	4989.2
32.5°	3169.7	3197.7	3364.2	3700.9	4145.7	4873.7	5702.6	5946.9	5539.8	5110.7
35°	2977.7	3003.2	3178.2	3516.1	3961.0	4780.1	5820.5	6253.2	5858.2	5295.5
37.5°	2744.4	2768.7	2942.5	3285.2	3777.4	4648.9	5910.4	6598.4	6237.4	5561.6
40°	2509.8	2532.9	2695.7	3027.5	3557.4	4481.1	5942.0	6936.2	6672.5	5927.5
42.5°	2294.7	2315.3	2464.8	2773.5	3310.7	4267.2	5900.7	7230.4	7062.6	6182.7
45°	2096.5	2114.8	2247.3	2535.3	3054.3	4007.1	5776.8	7546.4	7526.9	6365.0
47.5°	1870.5	1888.7	2026.1	2304.4	2797.8	3702.1	5566.5	7857.5	8172.3	6778.2
50°	1594.6	1610.4	1751.4	2038.2	2531.7	3377.6	5274.8	8101.8	8986.6	7404.2
52.5°	1267.7	1284.7	1422.0	1708.8	2215.7	3028.8	4890.7	8261.0	9927.3	8318.1
55°	943.1	955.3	1074.4	1332.1	1824.3	2631.3	4409.4	8306.0	10994.4	9567.6
57.5°	684.3	691.6	768.1	960.2	1383.1	2134.2	3824.8	8189.3	12264.5	11169.4
60°	554.2	556.6	579.7	664.8	961.4	1572.7	3118.7	7788.2	13642.8	13234.4
62.5°	503.2	503.2	509.2	532.3	650.2	1037.9	2264.3	6956.9	15120.7	15843.8
65°	467.9	467.9	470.4	481.3	512.9	661.2	1429.3	5603.0	16366.5	18900.5
67.5°	436.3	437.5	436.3	440.0	458.2	488.6	828.9	3869.8	17037.3	22067.9
70°	403.5	405.9	399.9	399.9	414.4	415.7	519.0	2122.1	16480.7	24722.3
72.5°	364.6	368.3	358.5	356.1	367.0	362.2	390.1	1018.5	14149.6	25514.7
75°	330.6	335.4	313.6	307.5	307.5	303.8	317.2	522.6	9183.5	20813.6
77.5°	300.2	309.9	274.7	255.2	250.4	239.4	258.9	319.6	4016.9	9771.7
80°	247.9	261.3	226.1	203.0	194.5	182.3	204.2	223.6	1194.7	2269.1
82.5°	184.7	190.8	160.4	144.6	137.3	128.8	153.1	155.6	388.9	803.4
85°	117.9	120.3	98.4	85.1	81.4	77.8	97.2	85.1	148.3	590.7
87.5°	41.3	47.4	37.7	34.0	36.5	30.4	45.0	25.5	41.3	416.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4273.3  
4275.7  
4303.7  
4332.9  
4343.8  
4353.5  
4377.8  
4431.3  
4512.7  
4600.3  
4707.2  
4834.8  
4929.6  
5035.4  
5211.6  
5449.8  
5808.4  
6029.6  
6158.4  
6540.0  
7105.2  
7949.9  
9106.9  
10589.7  
12503.9  
14865.4  
17663.3  
20732.1  
24371.0  
26438.4  
22262.3  
9568.8  
2173.1  
907.9  
858.1  
516.5  
0.0

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