

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: P939033

Luminaire Tested: **GALN-SB1B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939033  
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-SB1B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4038 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

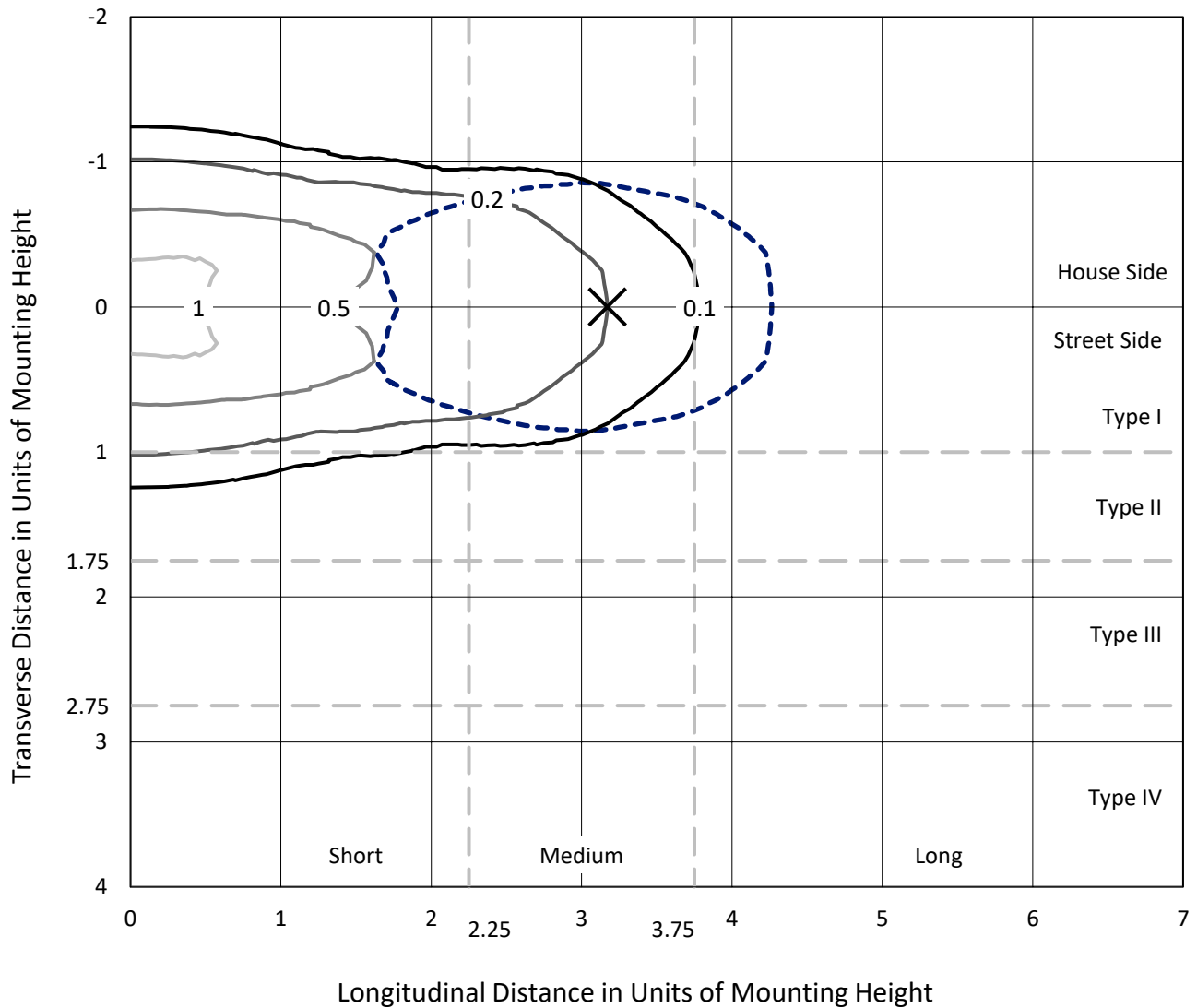
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

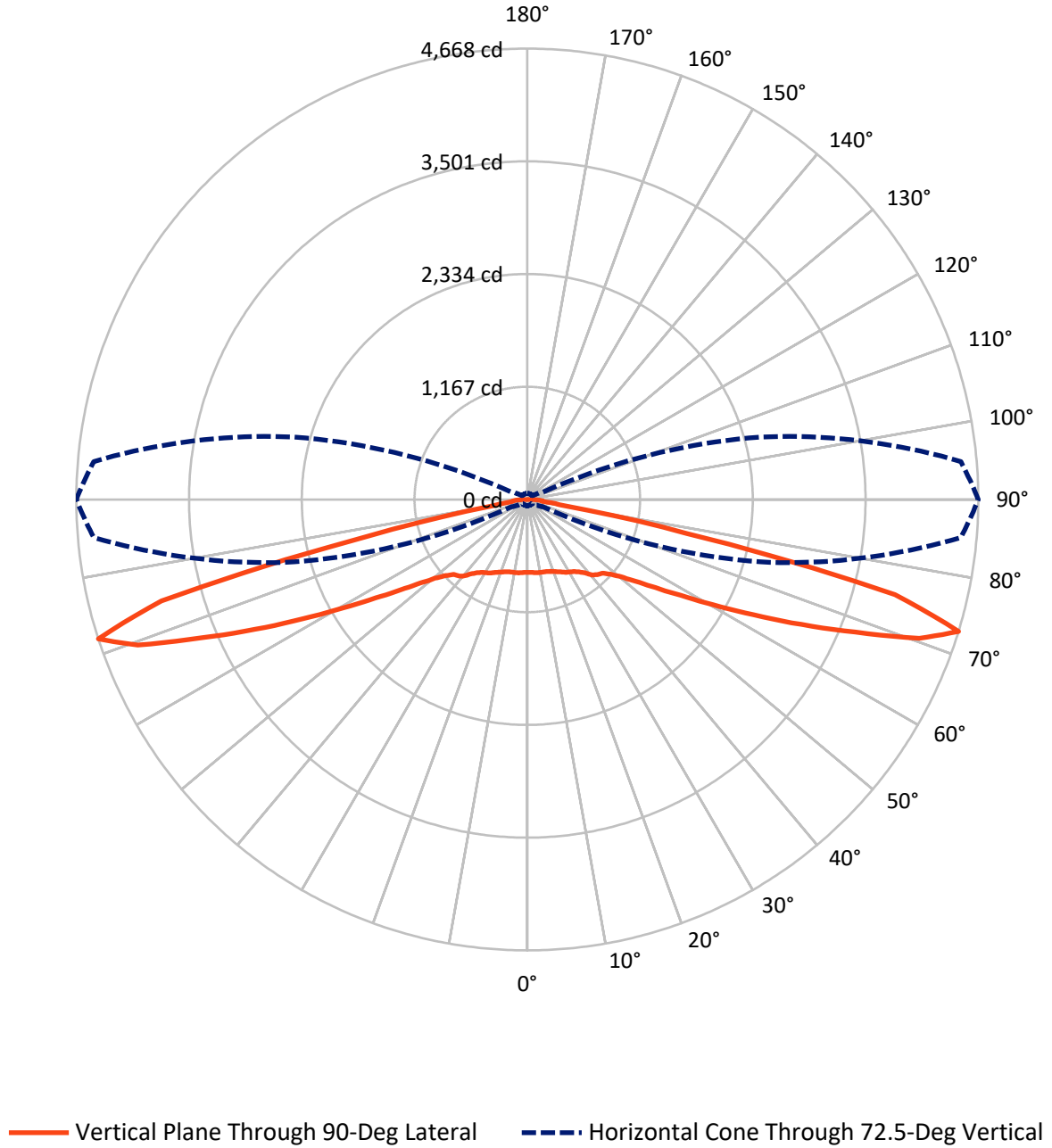
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	2019.0	0.0	2019.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2019.0	0.0	2019.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4038.0	0.0	4038.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	1.8
10°-20°	223.7	5.5
20°-30°	373.0	9.2
30°-40°	513.0	12.7
40°-50°	626.5	15.5
50°-60°	724.6	17.9
60°-70°	864.0	21.4
70°-80°	603.0	14.9
80°-90°	37.0	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°	4038.0	100.0
0°-180°	4038.0	100.0

**Coefficient of Utilization**



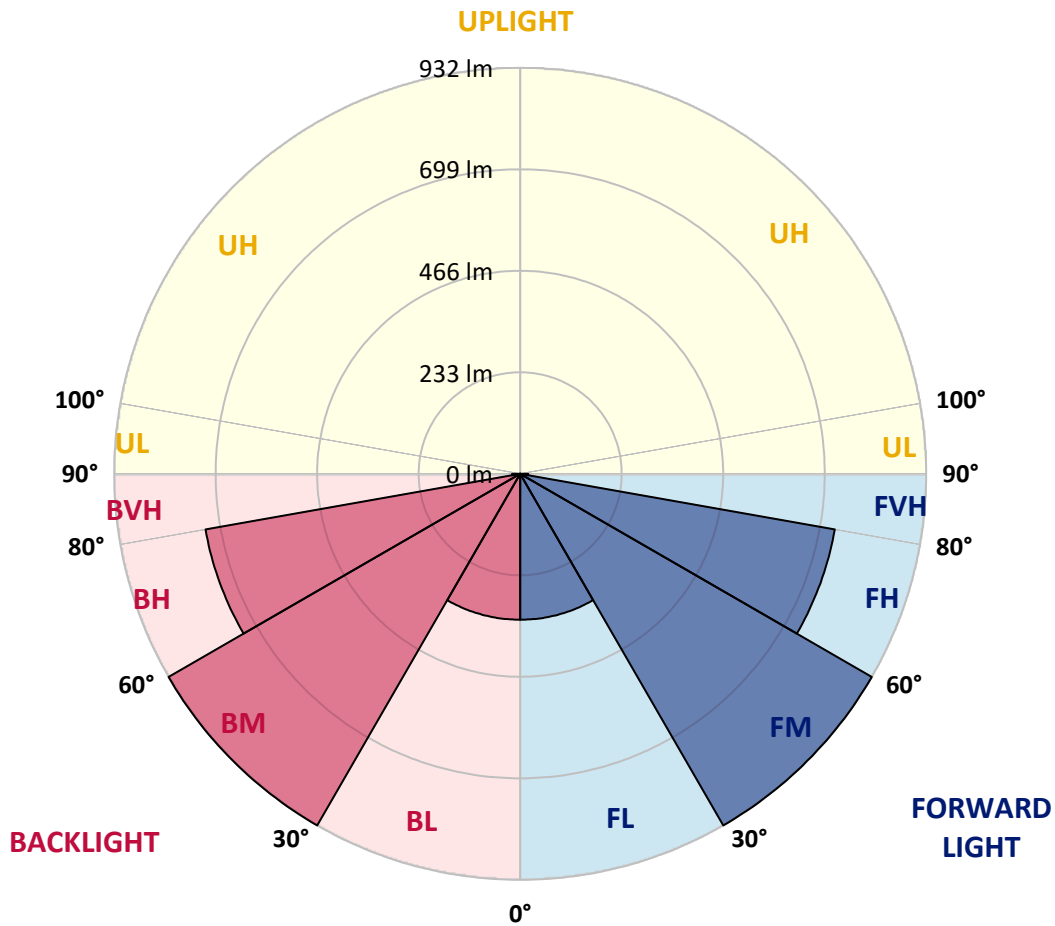
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.9	8.3			
FM (30°-60°)	932.1	23.1			
FH (60°-80°)	733.5	18.2			G1/1800
FVH (80°-90°)	18.5	0.5			G1/100
BL (0°-30°)	334.9	8.3	B1/500		
BM (30°-60°)	932.1	23.1	B1/1000		
BH (60°-80°)	733.5	18.2	B2/1000		G2/1000
BVH (80°-90°)	18.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5	754.5
2.5°	755.2	756.0	756.0	755.4	756.9	755.6	755.6	755.0	755.6	755.0
5°	759.0	760.1	760.6	760.3	762.3	761.2	761.2	760.3	760.6	759.9
7.5°	766.3	767.8	768.7	769.8	772.6	771.3	770.4	767.8	766.8	765.1
10°	768.7	770.4	773.2	778.8	785.2	785.4	782.9	776.4	771.5	767.6
12.5°	761.4	763.8	769.6	780.9	795.3	801.1	797.0	786.3	776.6	769.8
15°	752.2	754.8	763.6	780.7	802.0	815.5	815.1	800.9	785.4	774.7
17.5°	737.8	740.4	753.0	777.1	807.1	829.4	835.4	820.9	799.2	784.8
20°	711.8	714.2	731.8	765.5	808.8	844.2	859.9	847.0	820.0	800.5
22.5°	678.1	681.8	702.4	745.5	804.8	859.7	887.8	879.0	844.2	817.2
25°	642.1	646.0	670.0	721.1	794.2	870.9	920.9	915.3	871.7	838.0
27.5°	611.0	615.1	641.2	696.8	777.9	875.1	953.5	956.3	905.0	861.0
30°	586.5	590.4	618.3	677.3	756.9	870.9	982.0	1001.3	938.9	880.9
32.5°	559.7	564.6	594.0	653.5	732.0	860.6	1006.9	1050.1	978.2	902.4
35°	525.8	530.3	561.2	620.8	699.4	844.0	1027.7	1104.1	1034.4	935.0
37.5°	484.6	488.9	519.6	580.1	667.0	820.9	1043.6	1165.1	1101.3	982.0
40°	443.2	447.2	476.0	534.6	628.1	791.2	1049.2	1224.7	1178.2	1046.6
42.5°	405.2	408.8	435.2	489.7	584.6	753.5	1041.9	1276.7	1247.1	1091.7
45°	370.2	373.4	396.8	447.7	539.3	707.5	1020.0	1332.5	1329.0	1123.9
47.5°	330.3	333.5	357.7	406.9	494.0	653.7	982.9	1387.4	1443.0	1196.8
50°	281.6	284.3	309.2	359.9	447.0	596.4	931.4	1430.5	1586.8	1307.4
52.5°	223.8	226.8	251.1	301.7	391.2	534.8	863.6	1458.7	1752.9	1468.7
55°	166.5	168.7	189.7	235.2	322.1	464.6	778.6	1466.6	1941.3	1689.4
57.5°	120.8	122.1	135.6	169.5	244.2	376.8	675.4	1446.0	2165.6	1972.2
60°	97.9	98.3	102.4	117.4	169.8	277.7	550.7	1375.2	2408.9	2336.8
62.5°	88.8	88.8	89.9	94.0	114.8	183.3	399.8	1228.4	2669.9	2797.6
65°	82.6	82.6	83.1	85.0	90.6	116.7	252.4	989.3	2889.8	3337.3
67.5°	77.0	77.3	77.0	77.7	80.9	86.3	146.4	683.3	3008.3	3896.5
70°	71.2	71.7	70.6	70.6	73.2	73.4	91.6	374.7	2910.0	4365.2
72.5°	64.4	65.0	63.3	62.9	64.8	64.0	68.9	179.8	2498.4	4505.2
75°	58.4	59.2	55.4	54.3	54.3	53.7	56.0	92.3	1621.5	3675.1
77.5°	53.0	54.7	48.5	45.1	44.2	42.3	45.7	56.4	709.3	1725.4
80°	43.8	46.1	39.9	35.8	34.3	32.2	36.1	39.5	211.0	400.7
82.5°	32.6	33.7	28.3	25.5	24.3	22.7	27.0	27.5	68.7	141.9
85°	20.8	21.2	17.4	15.0	14.4	13.7	17.2	15.0	26.2	104.3
87.5°	7.3	8.4	6.7	6.0	6.4	5.4	7.9	4.5	7.3	73.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

754.5  
755.0  
759.9  
765.1  
767.0  
768.7  
773.0  
782.4  
796.8  
812.3  
831.2  
853.7  
870.4  
889.1  
920.2  
962.3  
1025.6  
1064.6  
1087.4  
1154.8  
1254.6  
1403.7  
1608.0  
1869.8  
2207.8  
2624.8  
3118.8  
3660.7  
4303.2  
4668.3  
3930.9  
1689.6  
383.7  
160.3  
151.5  
91.2  
0.0

OF REPORT)