

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: P940393

Luminaire Tested: **GALN-SB3B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940393  
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-SB3B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12111 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

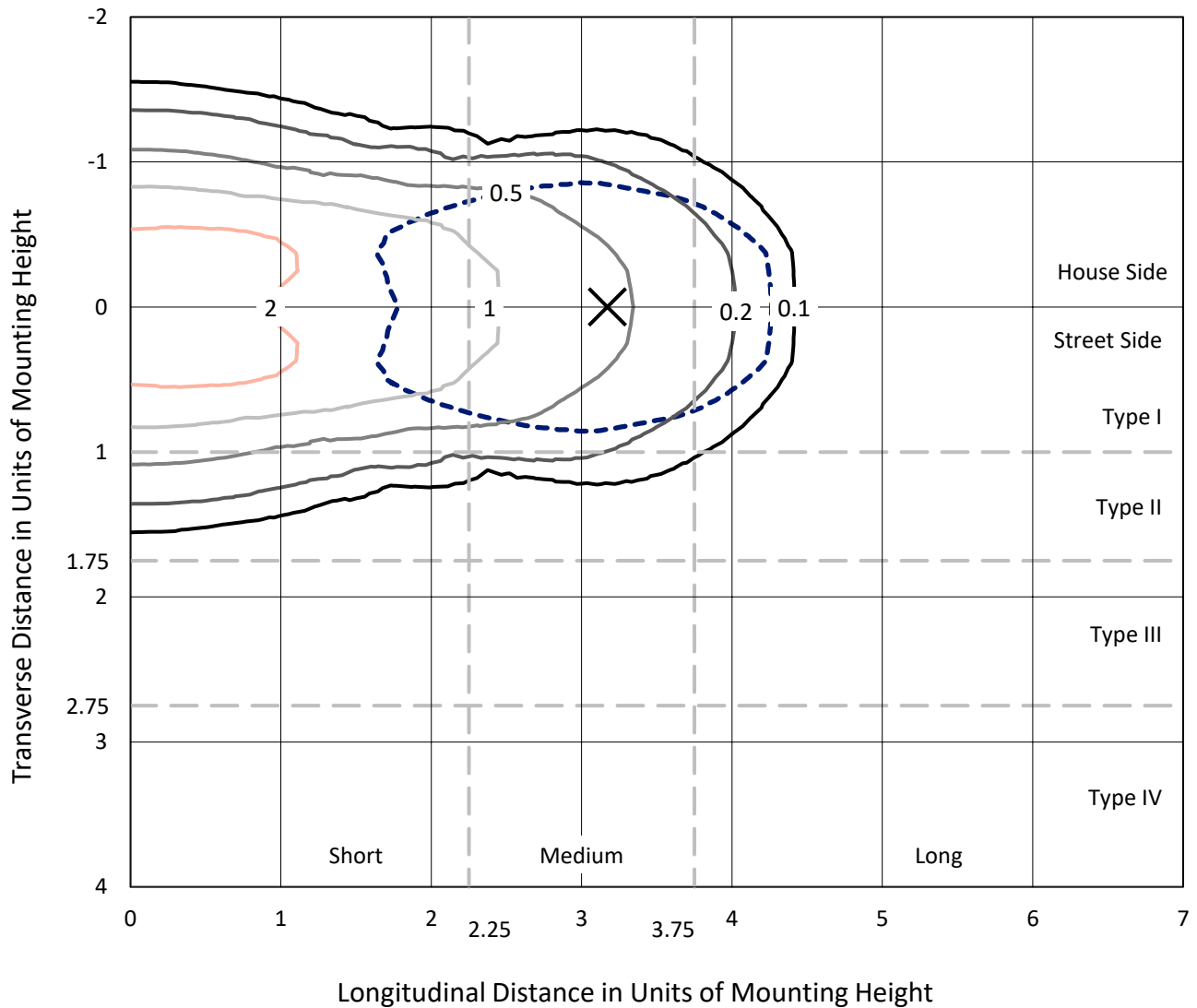
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

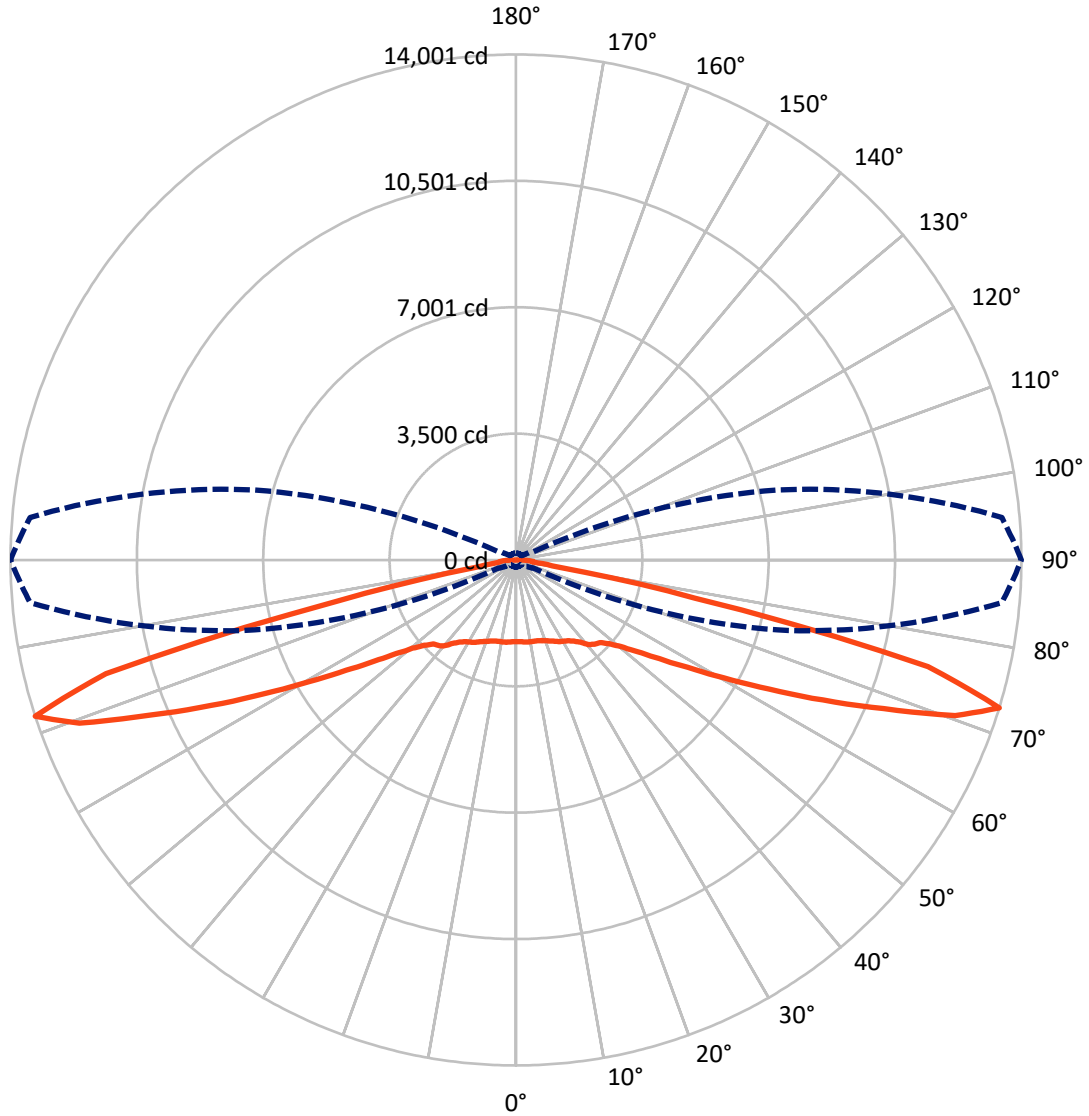
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6055.5	0.0	6055.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6055.5	0.0	6055.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12111.0	0.0	12111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.4	1.8
10°-20°	670.9	5.5
20°-30°	1118.7	9.2
30°-40°	1538.6	12.7
40°-50°	1879.0	15.5
50°-60°	2173.3	17.9
60°-70°	2591.3	21.4
70°-80°	1808.6	14.9
80°-90°	111.1	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°	12111.0	100.0
0°-180°	12111.0	100.0

**Coefficient of Utilization**



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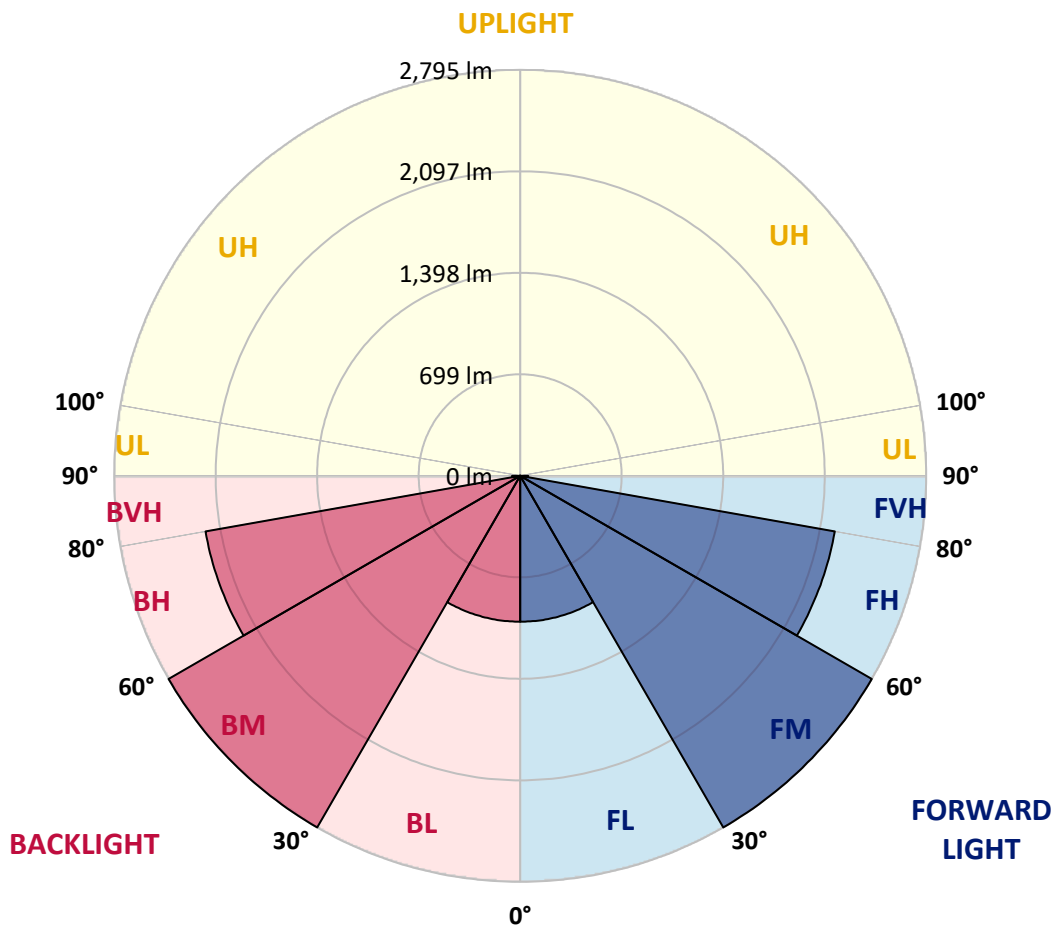
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1004.5	8.3			
FM (30°-60°)	2795.5	23.1			
FH (60°-80°)	2199.9	18.2			G2/5000
FVH (80°-90°)	55.5	0.5			G1/100
BL (0°-30°)	1004.5	8.3	B3/2500		
BM (30°-60°)	2795.5	23.1	B3/5000		
BH (60°-80°)	2199.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	55.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2263.1	2263.1	2263.1	2263.1	2263.1	2263.1	2263.1	2263.1	2263.1	2263.1
2.5°	2265.0	2267.6	2267.6	2265.6	2270.1	2266.3	2266.3	2264.4	2266.3	2264.4
5°	2276.6	2279.8	2281.1	2280.4	2286.2	2283.0	2283.0	2280.4	2281.1	2279.2
7.5°	2298.5	2303.0	2305.5	2308.8	2317.1	2313.3	2310.7	2303.0	2299.8	2294.6
10°	2305.5	2310.7	2319.1	2335.8	2355.1	2355.8	2348.0	2328.7	2313.9	2302.3
12.5°	2283.7	2290.7	2308.1	2342.2	2385.4	2402.7	2390.5	2358.3	2329.4	2308.8
15°	2256.0	2263.7	2290.1	2341.6	2405.3	2445.9	2444.6	2402.1	2355.8	2323.6
17.5°	2212.9	2220.6	2258.6	2330.7	2420.8	2487.7	2505.7	2462.0	2396.9	2353.8
20°	2135.0	2142.1	2194.8	2295.9	2425.9	2532.1	2579.1	2540.5	2459.4	2400.8
22.5°	2033.9	2044.9	2106.7	2236.0	2413.7	2578.5	2662.8	2636.4	2532.1	2451.0
25°	1925.8	1937.4	2009.5	2162.7	2382.1	2611.9	2761.9	2745.2	2614.5	2513.4
27.5°	1832.5	1844.7	1923.2	2089.9	2333.2	2624.8	2859.7	2868.1	2714.3	2582.3
30°	1759.1	1770.7	1854.4	2031.4	2270.1	2611.9	2945.3	3003.3	2816.0	2642.2
32.5°	1678.6	1693.4	1781.6	1959.9	2195.5	2581.0	3020.0	3149.4	2933.7	2706.5
35°	1576.9	1590.5	1683.1	1862.1	2097.7	2531.5	3082.4	3311.6	3102.4	2804.4
37.5°	1453.4	1466.2	1558.3	1739.8	2000.5	2462.0	3130.1	3494.4	3303.2	2945.3
40°	1329.1	1341.4	1427.6	1603.3	1884.0	2373.1	3146.8	3673.3	3533.6	3139.1
42.5°	1215.2	1226.2	1305.3	1468.8	1753.3	2259.8	3124.9	3829.1	3740.2	3274.2
45°	1110.3	1119.9	1190.1	1342.7	1617.5	2122.1	3059.3	3996.4	3986.1	3370.8
47.5°	990.6	1000.2	1073.0	1220.4	1481.7	1960.6	2947.9	4161.2	4327.9	3589.6
50°	844.5	852.8	927.5	1079.4	1340.7	1788.7	2793.4	4290.6	4759.1	3921.1
52.5°	671.3	680.3	753.1	905.0	1173.4	1604.0	2590.0	4374.9	5257.3	4405.1
55°	499.5	505.9	569.0	705.4	966.1	1393.5	2335.2	4398.7	5822.4	5066.8
57.5°	362.4	366.2	406.8	508.5	732.5	1130.2	2025.6	4336.9	6495.1	5915.1
60°	293.5	294.8	307.0	352.1	509.1	832.9	1651.6	4124.5	7225.0	7008.7
62.5°	266.5	266.5	269.7	281.9	344.4	549.7	1199.1	3684.2	8007.6	8390.6
65°	247.8	247.8	249.1	254.9	271.6	350.1	756.9	2967.2	8667.4	10009.4
67.5°	231.1	231.7	231.1	233.0	242.7	258.7	439.0	2049.4	9022.7	11686.7
70°	213.7	215.0	211.8	211.8	219.5	220.1	274.8	1123.8	8727.9	13092.5
72.5°	193.1	195.0	189.9	188.6	194.4	191.8	206.6	539.4	7493.4	13512.1
75°	175.1	177.6	166.1	162.8	162.8	160.9	168.0	276.8	4863.4	11022.5
77.5°	159.0	164.1	145.5	135.2	132.6	126.8	137.1	169.3	2127.3	5174.9
80°	131.3	138.4	119.7	107.5	103.0	96.5	108.1	118.4	632.7	1201.7
82.5°	97.8	101.1	85.0	76.6	72.7	68.2	81.1	82.4	206.0	425.5
85°	62.4	63.7	52.1	45.1	43.1	41.2	51.5	45.1	78.5	312.8
87.5°	21.9	25.1	20.0	18.0	19.3	16.1	23.8	13.5	21.9	220.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2263.1  
2264.4  
2279.2  
2294.6  
2300.4  
2305.5  
2318.4  
2346.7  
2389.9  
2436.2  
2492.9  
2560.4  
2610.6  
2666.6  
2760.0  
2886.1  
3076.0  
3193.1  
3261.4  
3463.5  
3762.8  
4210.1  
4822.9  
5608.1  
6621.9  
7872.5  
9354.1  
10979.4  
12906.4  
14001.3  
11789.7  
5067.4  
1150.8  
480.8  
454.4  
273.6  
0.0

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