

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: P939713

Luminaire Tested: **GALN-SB2B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939713  
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-SB2B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 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: 8073 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

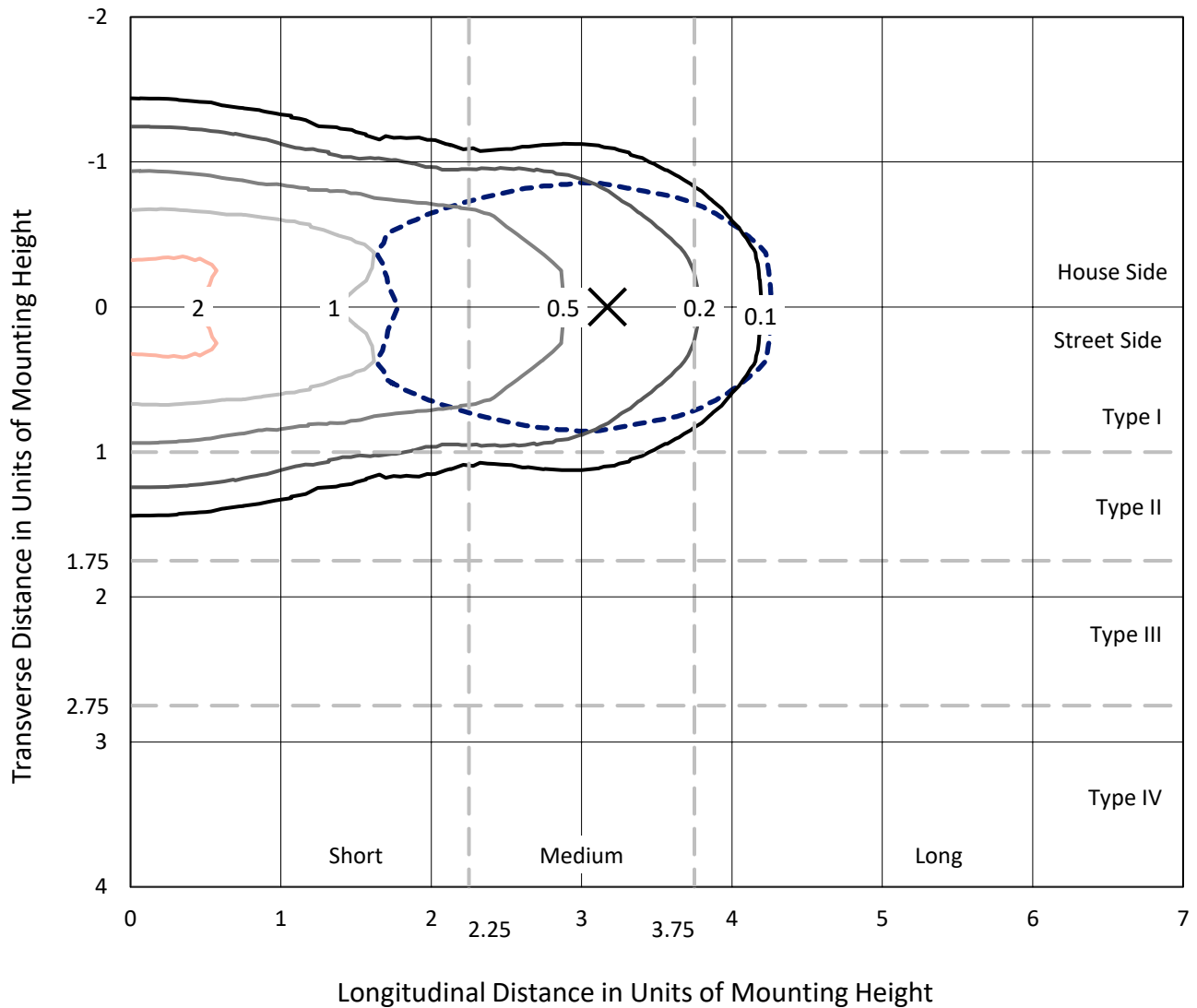
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

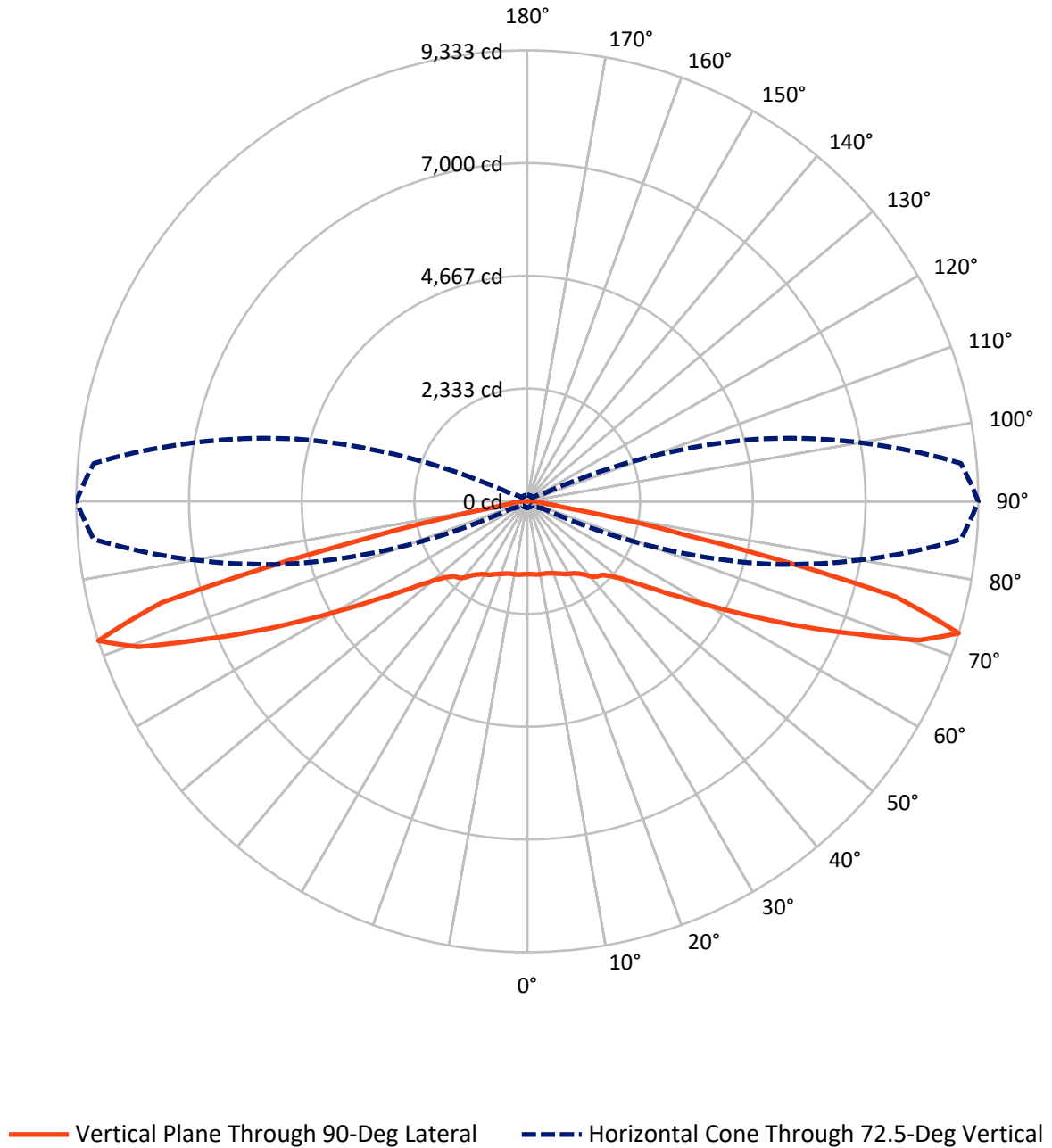
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	4036.5	0.0	4036.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4036.5	0.0	4036.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8073.0	0.0	8073.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.3	1.8
10°-20°	447.2	5.5
20°-30°	745.7	9.2
30°-40°	1025.6	12.7
40°-50°	1252.5	15.5
50°-60°	1448.7	17.9
60°-70°	1727.3	21.4
70°-80°	1205.6	14.9
80°-90°	74.0	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°	8073.0	100.0
0°-180°	8073.0	100.0

**Coefficient of Utilization**



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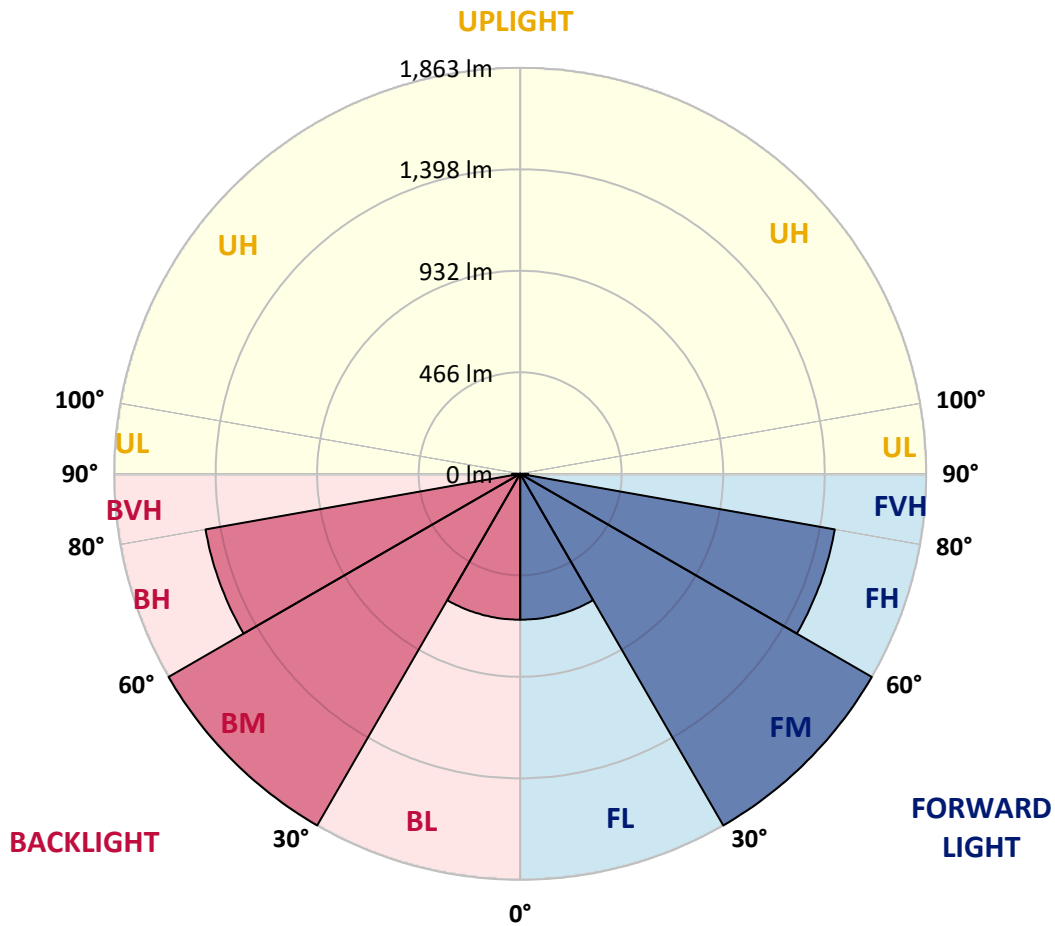
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.6	8.3			
FM (30°-60°)	1863.4	23.1			
FH (60°-80°)	1466.4	18.2			G1/1800
FVH (80°-90°)	37.0	0.5			G1/100
BL (0°-30°)	669.6	8.3	B2/1000		
BM (30°-60°)	1863.4	23.1	B2/2500		
BH (60°-80°)	1466.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	37.0	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°	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5	1508.5
2.5°	1509.8	1511.5	1511.5	1510.2	1513.2	1510.7	1510.7	1509.4	1510.7	1509.4
5°	1517.5	1519.7	1520.5	1520.1	1524.0	1521.8	1521.8	1520.1	1520.5	1519.3
7.5°	1532.1	1535.1	1536.8	1539.0	1544.6	1542.0	1540.3	1535.1	1533.0	1529.5
10°	1536.8	1540.3	1545.9	1557.0	1569.9	1570.3	1565.2	1552.3	1542.4	1534.7
12.5°	1522.3	1527.0	1538.6	1561.3	1590.0	1601.6	1593.5	1572.0	1552.7	1539.0
15°	1503.8	1509.0	1526.5	1560.9	1603.3	1630.4	1629.5	1601.2	1570.3	1548.9
17.5°	1475.1	1480.2	1505.5	1553.6	1613.6	1658.3	1670.3	1641.1	1597.8	1569.0
20°	1423.1	1427.9	1463.0	1530.4	1617.1	1687.9	1719.2	1693.4	1639.4	1600.3
22.5°	1355.8	1363.1	1404.3	1490.5	1608.9	1718.8	1775.0	1757.4	1687.9	1633.8
25°	1283.7	1291.4	1339.5	1441.6	1587.9	1741.1	1841.0	1829.9	1742.8	1675.4
27.5°	1221.5	1229.6	1282.0	1393.1	1555.3	1749.6	1906.3	1911.8	1809.3	1721.3
30°	1172.6	1180.3	1236.1	1354.1	1513.2	1741.1	1963.3	2001.9	1877.1	1761.2
32.5°	1119.0	1128.8	1187.6	1306.4	1463.5	1720.5	2013.1	2099.3	1955.6	1804.1
35°	1051.2	1060.2	1122.0	1241.2	1398.3	1687.4	2054.7	2207.4	2068.0	1869.4
37.5°	968.8	977.4	1038.7	1159.7	1333.5	1641.1	2086.5	2329.3	2201.9	1963.3
40°	886.0	894.1	951.6	1068.8	1255.8	1581.9	2097.6	2448.6	2355.5	2092.5
42.5°	810.0	817.3	870.1	979.1	1168.7	1506.4	2083.0	2552.4	2493.2	2182.6
45°	740.1	746.5	793.3	895.0	1078.2	1414.6	2039.3	2663.9	2657.1	2246.9
47.5°	660.3	666.7	715.2	813.5	987.7	1306.9	1965.0	2773.8	2884.9	2392.8
50°	562.9	568.5	618.3	719.5	893.7	1192.3	1862.1	2860.0	3172.4	2613.7
52.5°	447.5	453.5	502.0	603.2	782.2	1069.2	1726.5	2916.2	3504.4	2936.4
55°	332.9	337.2	379.3	470.2	644.0	928.9	1556.6	2932.1	3881.1	3377.4
57.5°	241.6	244.1	271.2	338.9	488.3	753.4	1350.2	2890.9	4329.5	3942.9
60°	195.6	196.5	204.7	234.7	339.4	555.2	1100.9	2749.3	4816.0	4671.9
62.5°	177.6	177.6	179.8	187.9	229.5	366.4	799.3	2455.9	5337.8	5593.0
65°	165.2	165.2	166.0	169.9	181.1	233.4	504.6	1977.9	5777.5	6672.1
67.5°	154.0	154.5	154.0	155.3	161.8	172.5	292.6	1366.1	6014.4	7790.2
70°	142.4	143.3	141.2	141.2	146.3	146.7	183.2	749.1	5817.9	8727.2
72.5°	128.7	130.0	126.6	125.7	129.6	127.9	137.7	359.5	4995.0	9007.0
75°	116.7	118.4	110.7	108.5	108.5	107.3	112.0	184.5	3241.9	7347.4
77.5°	106.0	109.4	97.0	90.1	88.4	84.5	91.4	112.8	1418.0	3449.5
80°	87.5	92.2	79.8	71.7	68.6	64.4	72.1	78.9	421.8	801.0
82.5°	65.2	67.4	56.6	51.1	48.5	45.5	54.1	54.9	137.3	283.6
85°	41.6	42.5	34.8	30.0	28.7	27.5	34.3	30.0	52.3	208.5
87.5°	14.6	16.7	13.3	12.0	12.9	10.7	15.9	9.0	14.6	147.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1508.5  
1509.4  
1519.3  
1529.5  
1533.4  
1536.8  
1545.4  
1564.3  
1593.0  
1623.9  
1661.7  
1706.7  
1740.2  
1777.5  
1839.7  
1923.8  
2050.4  
2128.5  
2174.0  
2308.7  
2508.2  
2806.4  
3214.8  
3738.3  
4414.0  
5247.7  
6235.3  
7318.7  
8603.2  
9333.0  
7858.8  
3377.9  
767.1  
320.5  
302.9  
182.3  
0.0

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