

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: P947648

Luminaire Tested: **GALN-SB2D-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB2D-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

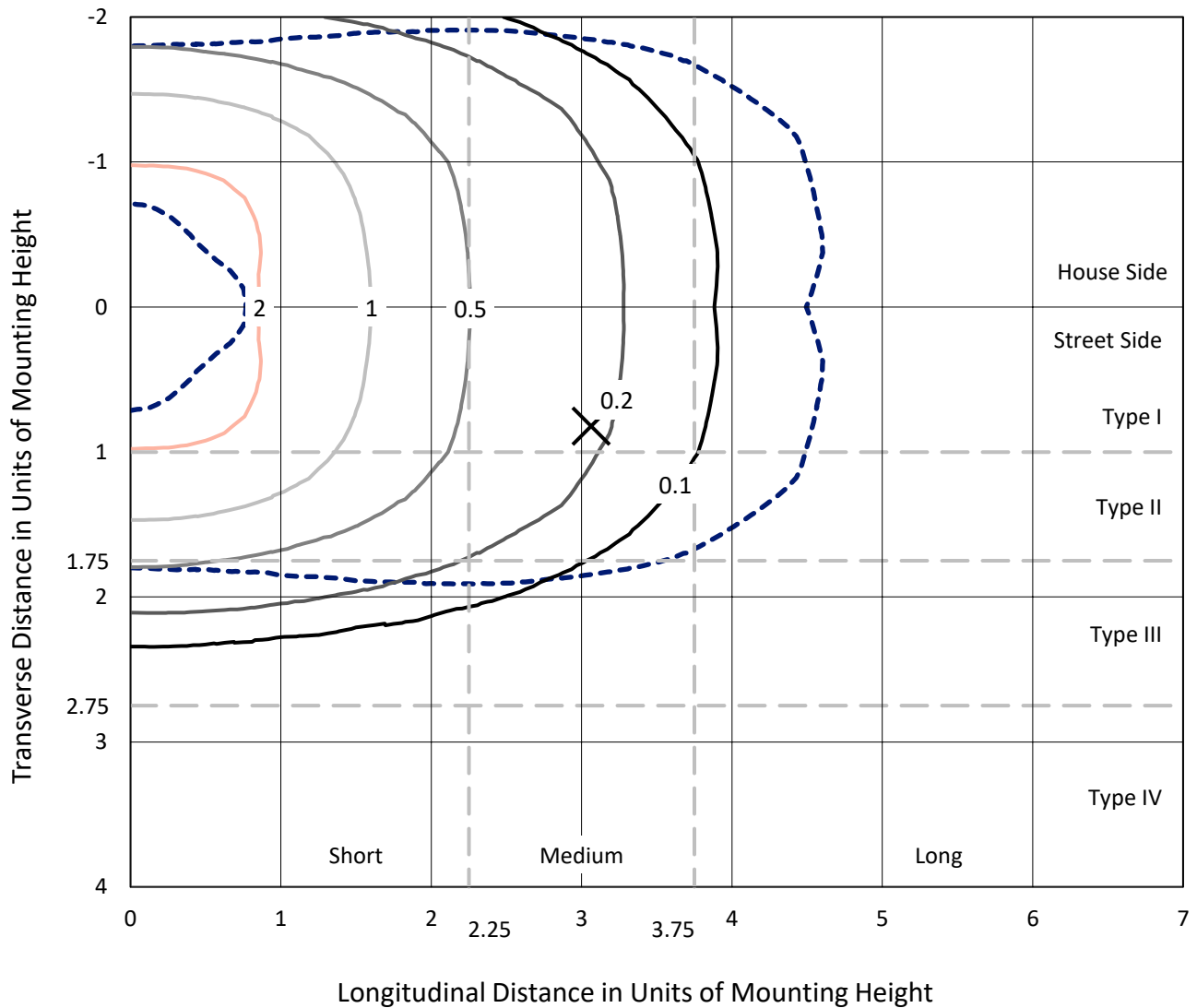
Lumens per Lamp: N/A  
Luminaire Lumens: 15185 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): 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

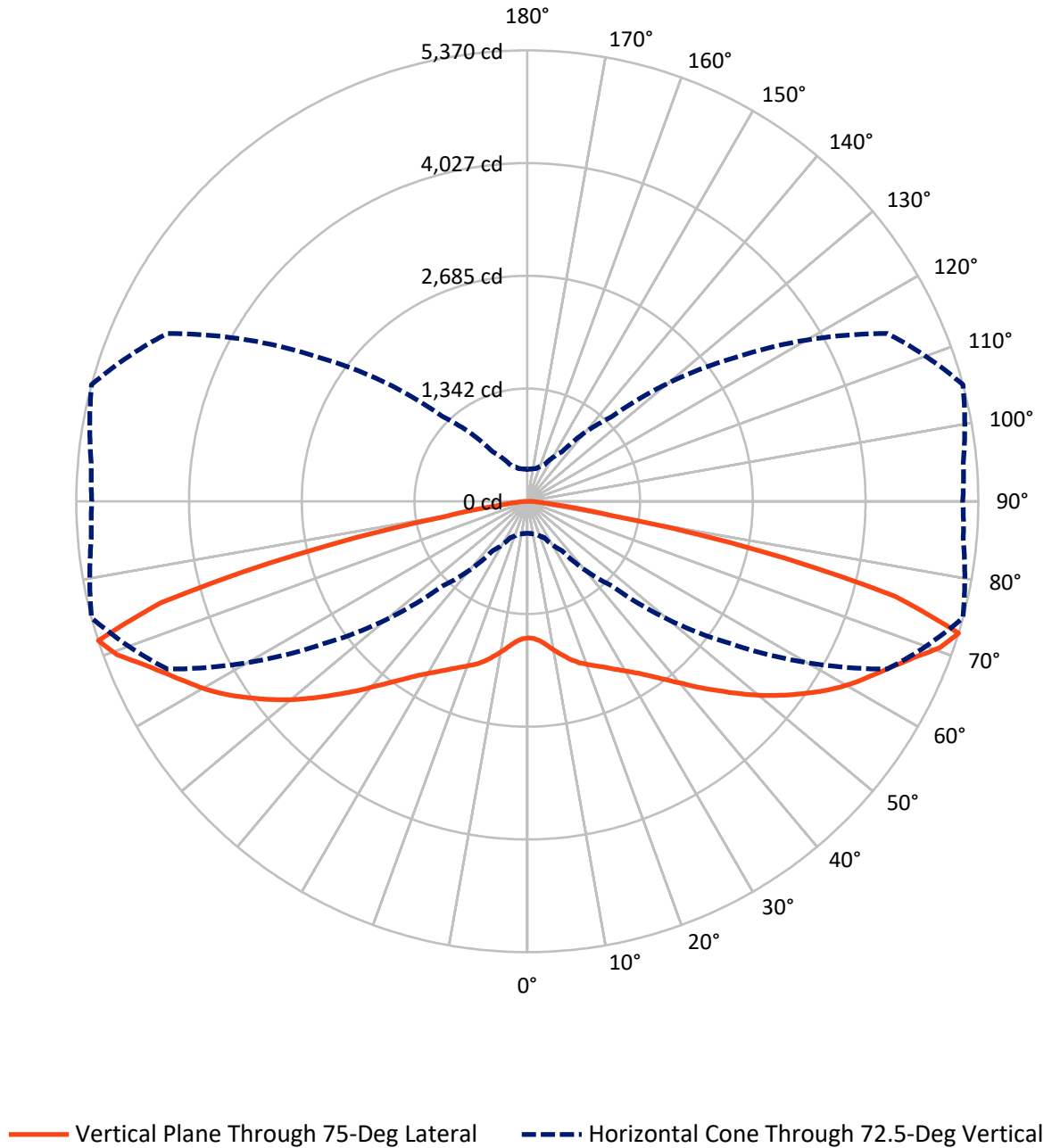
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7592.5	0.0	7592.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7592.5	0.0	7592.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15185.0	0.0	15185.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.3	1.0
10°-20°	525.5	3.5
20°-30°	1015.5	6.7
30°-40°	1714.7	11.3
40°-50°	2719.3	17.9
50°-60°	3640.8	24.0
60°-70°	3464.9	22.8
70°-80°	1808.0	11.9
80°-90°	136.9	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°	15185.0	100.0
0°-180°	15185.0	100.0

**Coefficient of Utilization**



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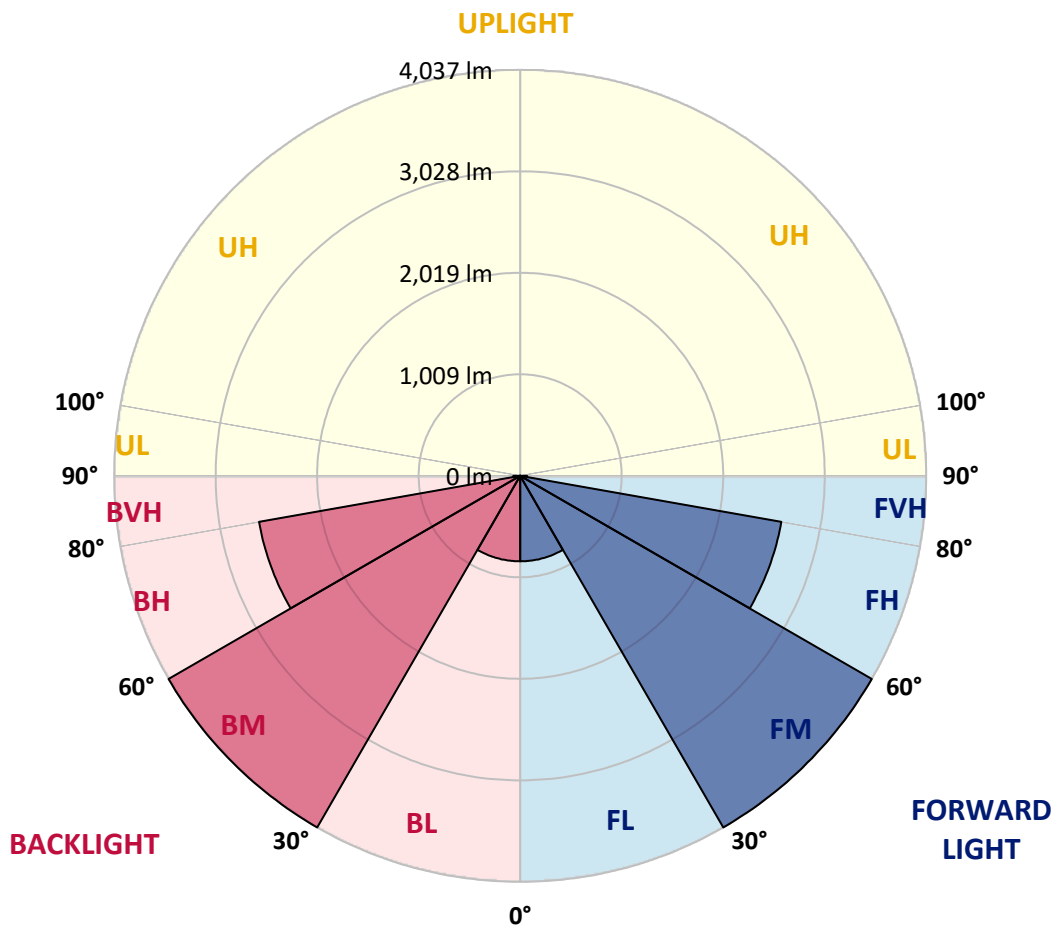
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.2	5.6			
FM (30°-60°)	4037.4	26.6			
FH (60°-80°)	2636.5	17.4			G2/5000
FVH (80°-90°)	68.4	0.5			G1/100
BL (0°-30°)	850.2	5.6	B2/1000		
BM (30°-60°)	4037.4	26.6	B3/5000		
BH (60°-80°)	2636.5	17.4	B4/5000		G4/5000
BVH (80°-90°)	68.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6	1626.6
2.5°	1626.6	1625.0	1626.6	1628.1	1627.4	1627.4	1631.2	1633.6	1638.2	1637.4
5°	1615.7	1615.0	1621.2	1628.1	1633.6	1642.9	1654.5	1663.0	1673.9	1676.2
7.5°	1610.3	1608.0	1618.8	1631.2	1648.3	1671.6	1694.0	1717.3	1735.9	1742.1
10°	1614.2	1615.0	1629.7	1652.9	1680.1	1712.6	1744.4	1784.0	1810.3	1816.5
12.5°	1632.0	1630.5	1655.3	1692.5	1729.7	1770.8	1808.0	1851.4	1880.1	1894.8
15°	1664.6	1661.5	1696.4	1751.4	1805.7	1853.7	1884.0	1925.1	1958.4	1977.0
17.5°	1703.3	1704.9	1750.6	1822.0	1893.3	1947.6	1976.2	1997.2	2022.8	2039.0
20°	1771.6	1774.7	1825.8	1910.3	1991.8	2053.8	2077.0	2069.3	2076.3	2088.7
22.5°	1863.1	1864.6	1922.0	2013.5	2098.7	2167.0	2182.5	2150.7	2131.3	2139.8
25°	1969.3	1979.3	2036.7	2130.5	2218.1	2283.3	2290.2	2242.2	2194.1	2196.4
27.5°	2098.7	2108.0	2166.2	2259.2	2348.4	2405.0	2404.2	2339.9	2269.3	2251.5
30°	2239.1	2249.2	2308.9	2405.0	2487.9	2537.6	2526.7	2450.0	2349.2	2315.8
32.5°	2405.8	2412.0	2472.4	2568.6	2645.3	2684.9	2662.4	2567.8	2442.2	2404.2
35°	2607.3	2616.6	2661.6	2752.3	2819.8	2852.3	2814.3	2702.7	2561.6	2519.0
37.5°	2837.6	2831.4	2882.6	2963.2	3019.0	3039.2	2987.2	2854.7	2698.1	2647.7
40°	3078.0	3074.9	3130.7	3208.2	3238.4	3250.8	3174.1	3029.1	2855.4	2801.2
42.5°	3295.8	3293.5	3368.7	3454.7	3491.2	3477.2	3380.3	3214.4	3037.6	2975.6
45°	3470.3	3467.2	3559.4	3680.4	3751.7	3728.4	3598.2	3419.1	3222.2	3157.8
47.5°	3604.4	3605.9	3705.2	3854.8	3979.6	3988.2	3820.7	3627.6	3425.3	3352.4
50°	3701.3	3705.9	3812.2	3978.1	4148.6	4223.8	4047.9	3841.6	3635.4	3553.2
52.5°	3725.3	3733.9	3861.8	4056.4	4257.2	4400.6	4278.9	4047.1	3834.6	3756.3
55°	3597.4	3614.5	3776.5	4050.2	4323.9	4516.9	4482.0	4255.6	4035.5	3954.8
57.5°	3303.6	3327.6	3516.8	3874.2	4309.1	4596.8	4639.4	4455.7	4236.3	4158.7
60°	2891.9	2920.6	3102.0	3492.0	4101.4	4626.2	4750.3	4650.3	4420.8	4345.6
62.5°	2270.9	2308.1	2525.2	2982.6	3662.5	4489.0	4844.9	4826.3	4586.7	4492.9
65°	1456.8	1496.3	1725.0	2265.4	3077.2	4068.8	4874.3	4997.6	4761.9	4630.9
67.5°	878.4	896.3	1009.4	1373.1	2249.2	3435.4	4624.7	5187.6	4966.6	4803.8
70°	562.1	572.2	639.6	806.3	1271.5	2506.6	4006.0	5223.2	5214.7	4981.3
72.5°	381.4	384.6	402.4	477.6	719.5	1424.2	2954.7	4728.6	5369.7	5210.0
75°	279.1	296.2	324.9	338.0	408.6	711.7	1693.3	3322.2	4525.4	4595.2
77.5°	207.8	208.6	248.1	263.6	291.5	379.1	716.4	1854.5	2809.7	2950.0
80°	176.0	166.7	165.9	212.4	219.4	236.5	320.2	640.4	1006.3	610.2
82.5°	146.5	136.5	123.3	165.9	149.6	145.0	138.8	260.5	320.2	157.4
85°	102.3	97.7	93.0	108.5	85.3	72.9	66.7	121.7	134.9	66.7
87.5°	44.2	45.7	46.5	48.1	35.7	25.6	25.6	34.1	34.1	26.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1626.6
1636.7
1676.2
1743.7
1822.7
1901.0
1984.0
2046.8
2098.0
2146.0
2200.3
2256.9
2319.7
2413.5
2525.2
2657.0
2819.0
2991.1
3172.5
3374.1
3578.0
3776.5
3977.3
4176.6
4361.9
4503.7
4647.2
4816.2
4979.8
5185.2
4426.2
2631.4
461.3
134.1
58.9
19.4
0.0

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