

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: P948296

Luminaire Tested: **GALN-SB3B-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10777 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

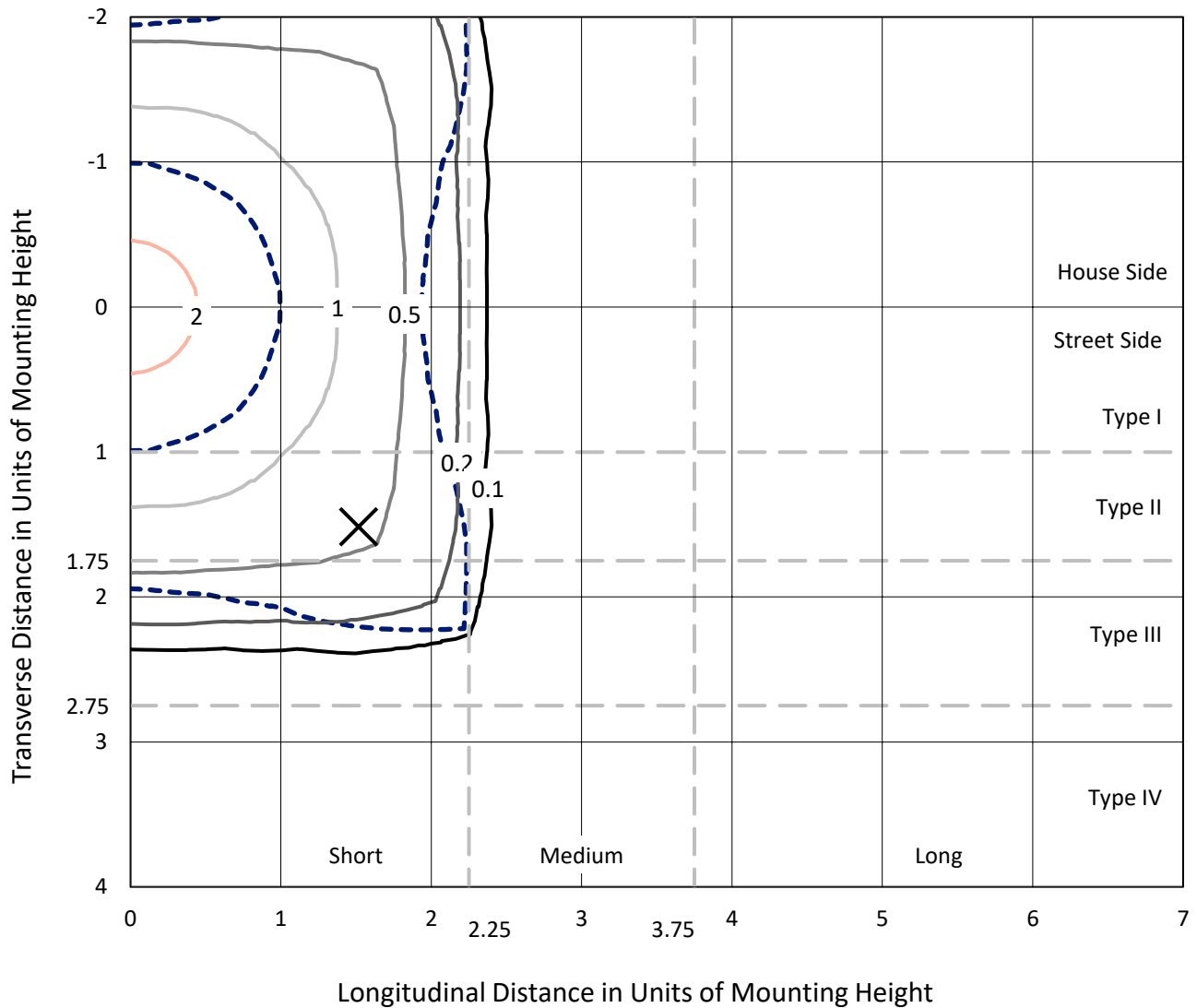
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

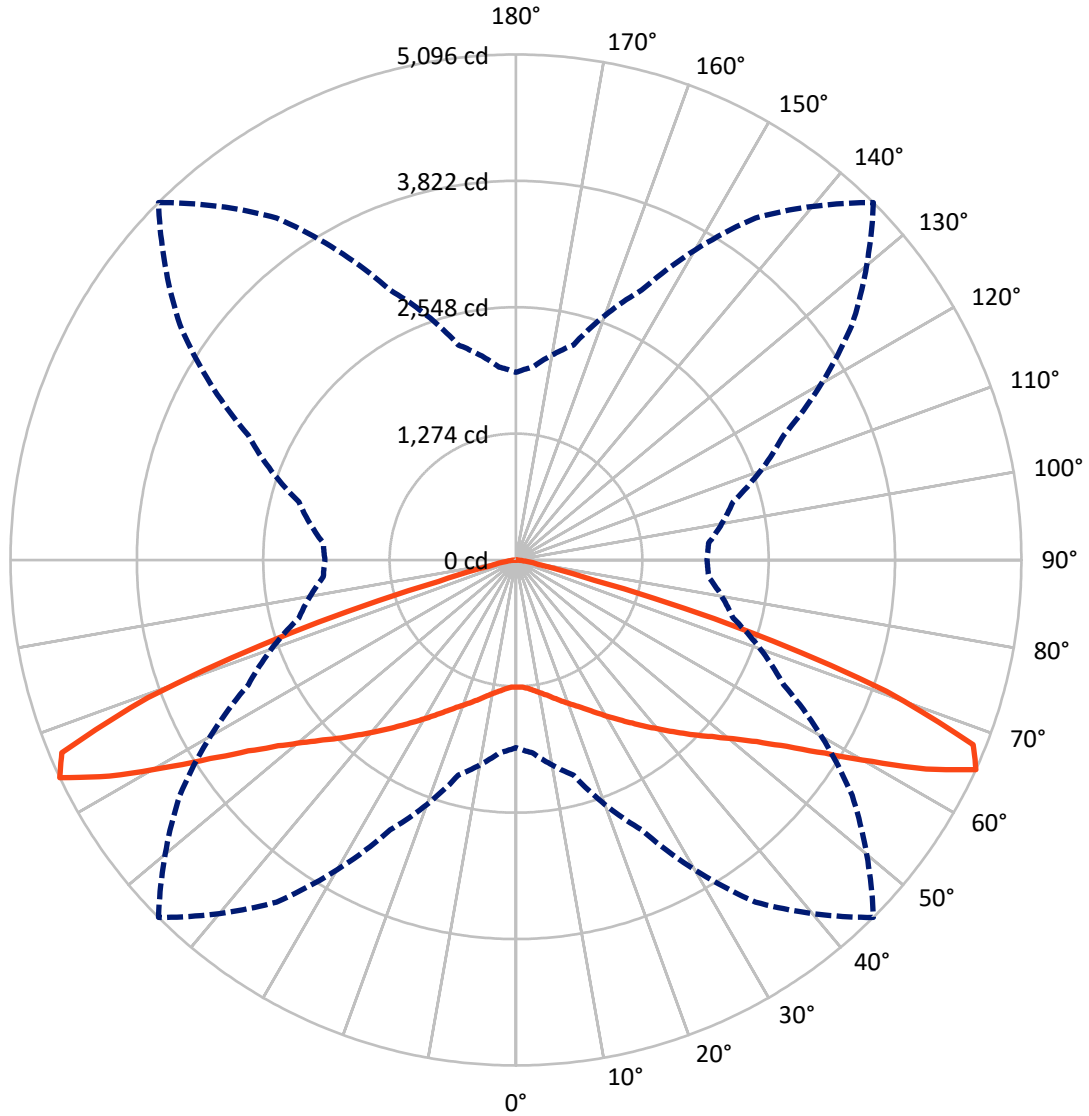
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5388.5	0.0	5388.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5388.5	0.0	5388.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10777.0	0.0	10777.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	1.2
10°-20°	413.0	3.8
20°-30°	779.9	7.2
30°-40°	1277.0	11.8
40°-50°	1980.0	18.4
50°-60°	2924.8	27.1
60°-70°	2784.2	25.8
70°-80°	449.3	4.2
80°-90°	42.4	0.4
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°	10777.0	100.0
0°-180°	10777.0	100.0



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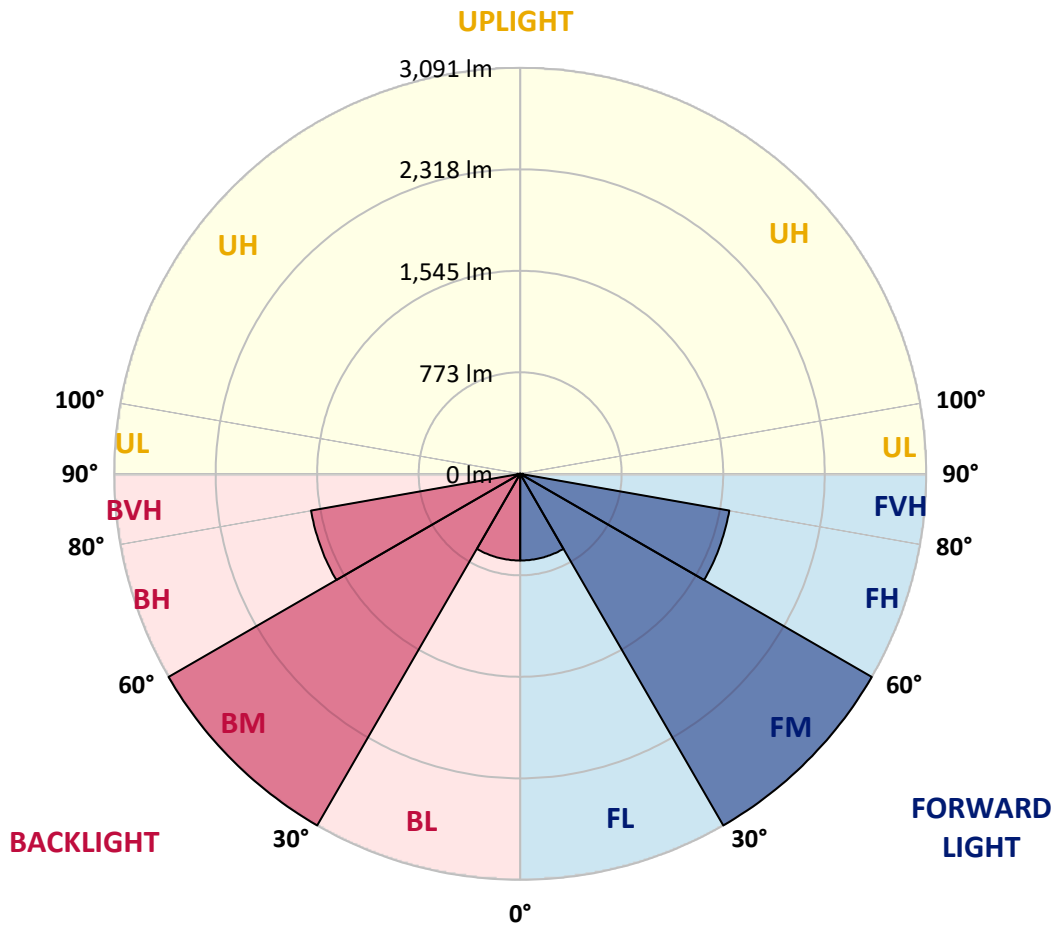
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.7	6.1			
FM (30°-60°)	3090.9	28.7			
FH (60°-80°)	1616.7	15.0			G1/1800
FVH (80°-90°)	21.2	0.2			G1/100
BL (0°-30°)	659.7	6.1	B2/1000		
BM (30°-60°)	3090.9	28.7	B3/5000		
BH (60°-80°)	1616.7	15.0	B3/2500		G1/1800
BVH (80°-90°)	21.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
2.5°	1291.2	1286.9	1290.1	1287.4	1285.3	1283.1	1284.2	1288.0	1289.6	1290.1
5°	1308.5	1304.7	1306.4	1306.4	1302.6	1301.5	1302.0	1304.7	1308.0	1308.0
7.5°	1336.6	1332.9	1336.6	1334.5	1331.2	1330.2	1329.6	1331.8	1336.6	1336.6
10°	1370.7	1366.4	1368.5	1367.5	1363.7	1362.1	1361.5	1364.8	1369.1	1368.5
12.5°	1408.0	1403.1	1405.9	1402.6	1401.5	1399.9	1399.9	1399.4	1402.1	1399.9
15°	1449.7	1446.4	1447.5	1445.3	1446.9	1445.9	1441.5	1439.4	1440.5	1437.2
17.5°	1498.9	1491.3	1495.1	1494.0	1494.0	1496.2	1489.1	1486.4	1488.6	1485.3
20°	1555.6	1548.1	1549.7	1547.5	1544.8	1547.0	1538.3	1540.5	1542.1	1540.0
22.5°	1617.8	1608.1	1607.5	1608.6	1602.7	1603.2	1597.3	1602.7	1605.9	1600.0
25°	1681.6	1671.3	1678.4	1675.7	1668.1	1669.7	1665.4	1670.8	1673.5	1665.9
27.5°	1749.2	1742.2	1748.7	1750.3	1741.1	1747.6	1741.1	1746.0	1748.7	1737.3
30°	1828.2	1821.1	1827.1	1831.4	1820.6	1830.9	1825.4	1828.7	1829.2	1815.7
32.5°	1914.1	1903.3	1918.4	1920.6	1908.7	1921.2	1914.1	1918.4	1921.2	1902.8
35°	2019.0	2005.5	2022.8	2020.1	2009.8	2020.1	2013.6	2020.1	2026.6	2004.4
37.5°	2132.0	2118.0	2136.4	2131.5	2121.8	2128.8	2125.0	2129.3	2139.6	2115.8
40°	2256.4	2239.1	2264.0	2255.3	2246.1	2245.0	2247.2	2249.9	2263.4	2236.9
42.5°	2389.4	2371.0	2408.3	2394.8	2381.8	2373.2	2380.2	2385.6	2398.6	2368.9
45°	2541.4	2520.3	2568.9	2552.7	2532.2	2514.3	2525.7	2533.8	2552.7	2517.0
47.5°	2709.0	2685.2	2737.1	2732.2	2698.7	2659.8	2685.7	2709.0	2723.0	2679.8
50°	2872.8	2854.4	2922.6	2928.5	2887.4	2832.8	2869.0	2904.2	2908.0	2851.2
52.5°	3026.4	3008.0	3106.9	3144.2	3107.5	3042.6	3081.0	3116.7	3088.0	3014.5
55°	3149.1	3134.0	3260.0	3356.2	3368.6	3315.1	3337.8	3336.7	3242.7	3129.6
57.5°	3178.9	3176.7	3335.7	3539.5	3669.3	3675.8	3630.9	3516.3	3313.5	3161.5
60°	3043.7	3057.2	3275.6	3635.2	3981.3	4125.1	3931.0	3603.9	3232.9	3022.0
62.5°	2639.2	2674.9	2938.2	3518.4	4233.2	4642.0	4171.6	3470.8	2902.0	2626.8
65°	1891.4	1953.6	2244.5	3002.6	4210.5	5096.2	4137.0	2978.2	2266.1	1948.7
67.5°	858.1	921.4	1168.5	2055.8	3660.1	4972.9	3651.4	2077.4	1226.9	924.6
70°	310.9	321.7	401.2	823.0	2339.1	3962.3	2439.2	828.9	426.6	342.8
72.5°	188.2	189.8	206.6	294.7	812.7	2405.6	847.3	304.4	210.9	187.1
75°	119.5	118.4	147.1	180.1	288.2	811.6	302.3	180.1	146.5	133.6
77.5°	86.0	88.7	105.4	134.6	181.7	275.2	178.4	128.7	105.4	86.5
80°	64.3	66.0	76.8	104.9	127.6	171.4	113.5	95.2	79.5	54.1
82.5°	46.5	46.5	50.3	76.2	77.9	92.5	61.6	67.0	52.4	38.4
85°	27.6	27.0	31.4	45.4	40.6	34.1	28.1	41.1	33.0	23.8
87.5°	9.7	10.3	9.7	13.0	10.8	9.2	8.7	11.4	9.2	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1282.6
1290.1
1308.0
1335.0
1367.5
1401.0
1437.8
1488.0
1544.8
1605.9
1674.6
1746.0
1823.8
1915.2
2017.9
2130.4
2245.6
2384.5
2535.4
2694.4
2858.2
3016.6
3133.4
3151.8
2997.2
2610.6
1925.5
911.1
338.5
190.3
134.6
88.1
55.7
38.4
23.3
7.6
0.0

OF REPORT)