

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: P948359

Luminaire Tested: **GALN-SB3B-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948359
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-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12829 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

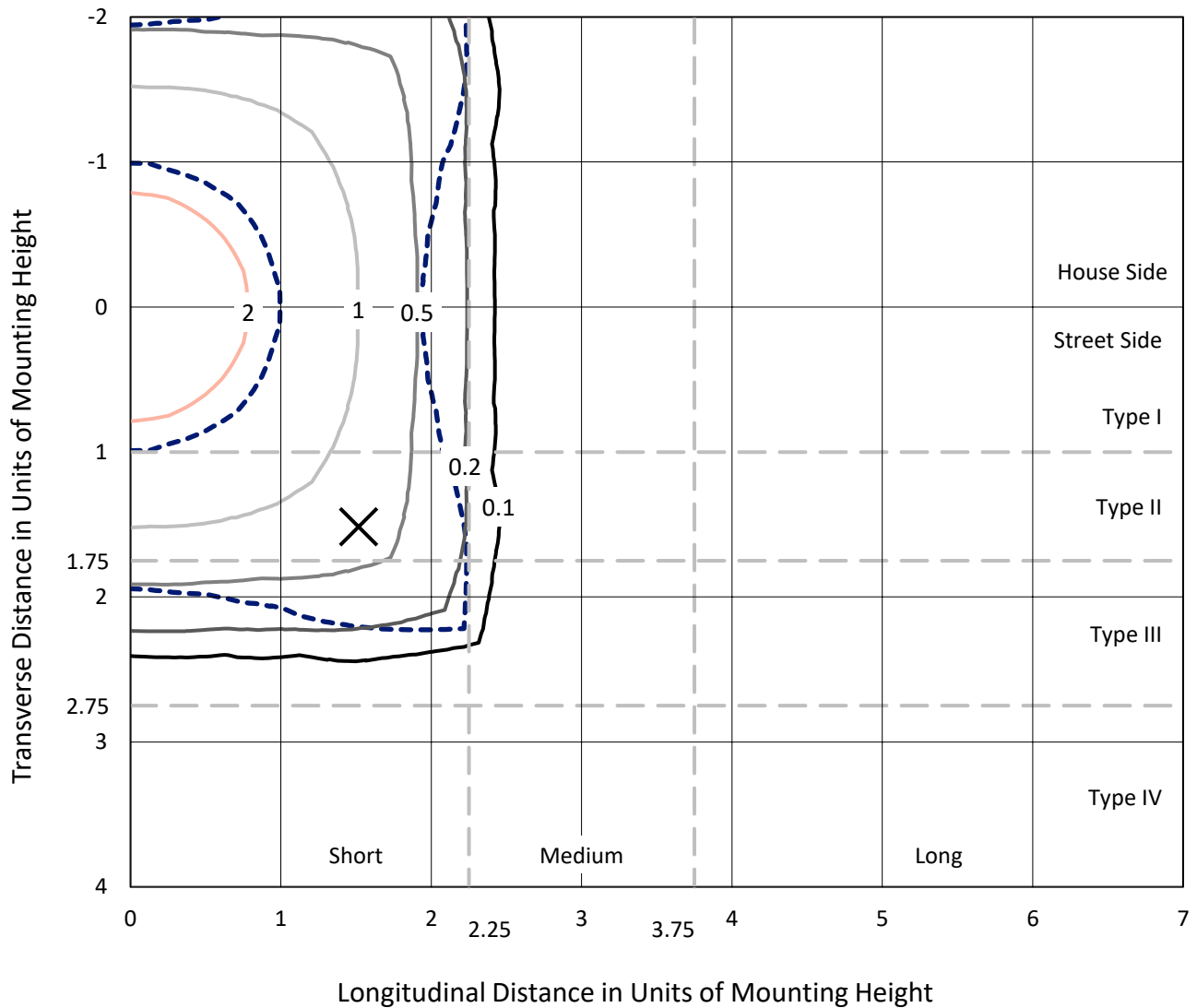
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

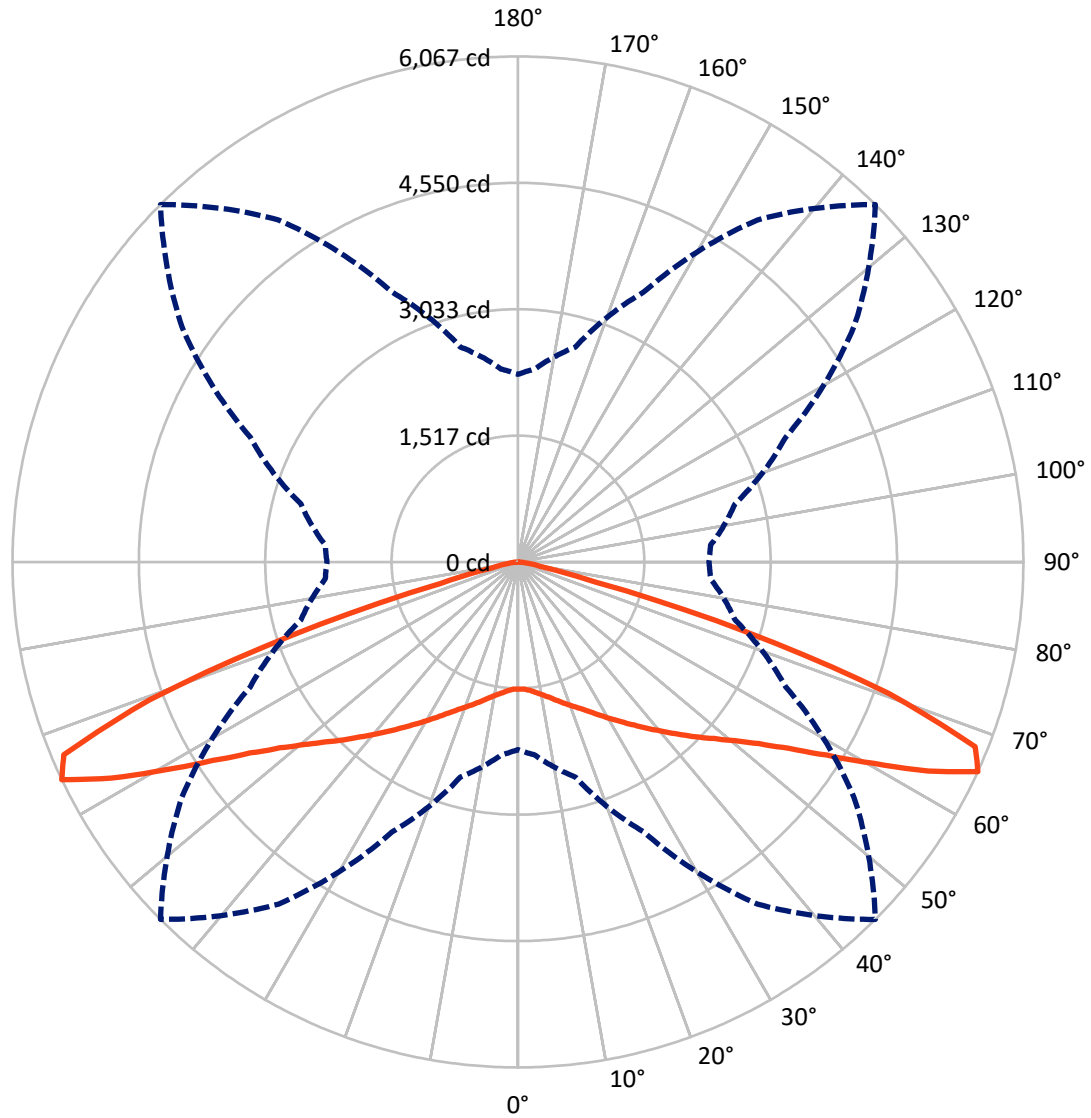
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	6414.5	0.0	6414.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6414.5	0.0	6414.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12829.0	0.0	12829.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	1.2
10°-20°	491.7	3.8
20°-30°	928.3	7.2
30°-40°	1520.1	11.8
40°-50°	2357.0	18.4
50°-60°	3481.7	27.1
60°-70°	3314.3	25.8
70°-80°	534.8	4.2
80°-90°	50.4	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°	12829.0	100.0
0°-180°	12829.0	100.0



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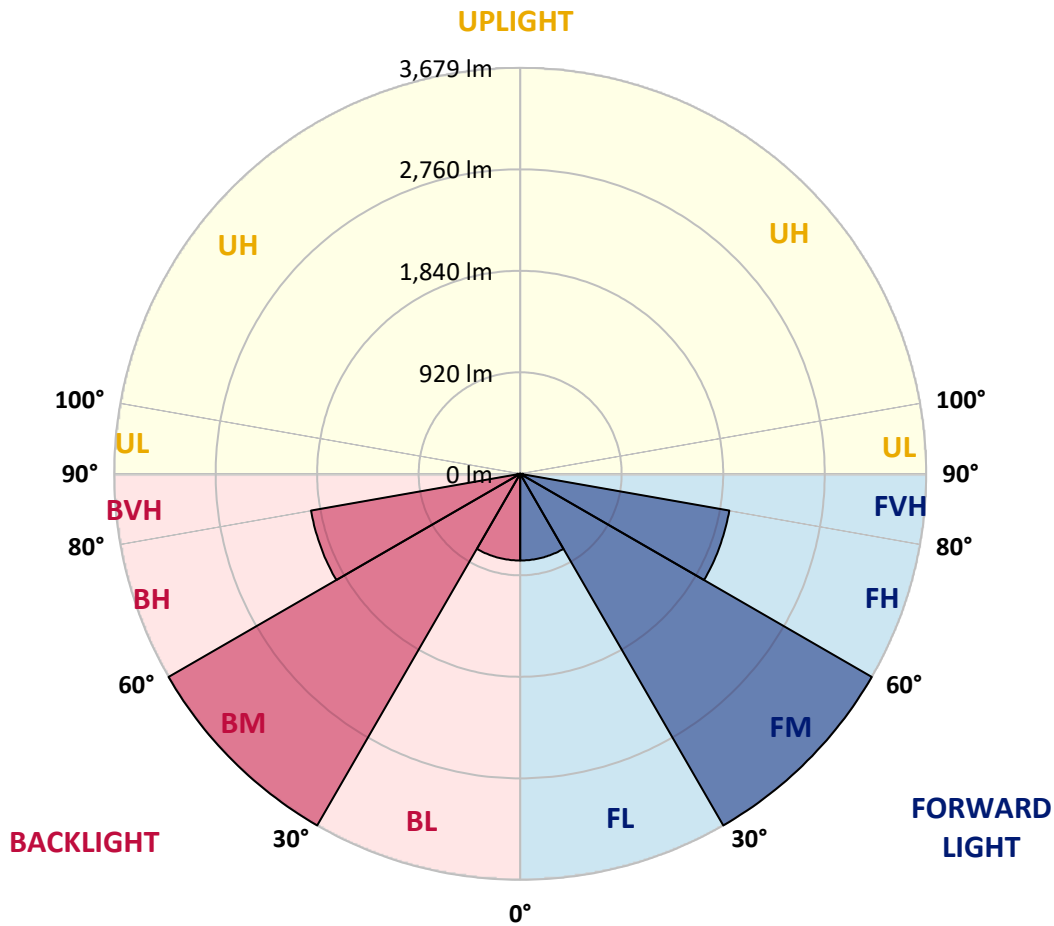
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.3	6.1			
FM (30°-60°)	3679.4	28.7			
FH (60°-80°)	1924.5	15.0			G2/5000
FVH (80°-90°)	25.2	0.2			G1/100
BL (0°-30°)	785.3	6.1	B2/1000		
BM (30°-60°)	3679.4	28.7	B3/5000		
BH (60°-80°)	1924.5	15.0	B3/2500		G2/5000
BVH (80°-90°)	25.2	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1526.8	1526.8	1526.8	1526.8	1526.8	1526.8	1526.8	1526.8	1526.8	1526.8
2.5°	1537.1	1531.9	1535.8	1532.6	1530.0	1527.4	1528.7	1533.2	1535.1	1535.8
5°	1557.7	1553.2	1555.1	1555.1	1550.6	1549.3	1550.0	1553.2	1557.0	1557.0
7.5°	1591.1	1586.6	1591.1	1588.6	1584.7	1583.4	1582.8	1585.4	1591.1	1591.1
10°	1631.7	1626.5	1629.1	1627.8	1623.3	1621.4	1620.8	1624.6	1629.8	1629.1
12.5°	1676.1	1670.3	1673.5	1669.7	1668.4	1666.5	1666.5	1665.8	1669.0	1666.5
15°	1725.7	1721.8	1723.1	1720.5	1722.5	1721.2	1716.0	1713.4	1714.7	1710.9
17.5°	1784.2	1775.2	1779.7	1778.5	1778.5	1781.0	1772.7	1769.4	1772.0	1768.2
20°	1851.8	1842.8	1844.8	1842.2	1839.0	1841.5	1831.2	1833.8	1835.7	1833.2
22.5°	1925.9	1914.3	1913.6	1914.9	1907.8	1908.5	1901.4	1907.8	1911.7	1904.6
25°	2001.8	1989.6	1997.9	1994.7	1985.7	1987.6	1982.5	1988.9	1992.2	1983.1
27.5°	2082.3	2073.9	2081.6	2083.6	2072.6	2080.3	2072.6	2078.4	2081.6	2068.1
30°	2176.2	2167.9	2175.0	2180.1	2167.2	2179.5	2173.0	2176.9	2177.5	2161.4
32.5°	2278.6	2265.7	2283.7	2286.3	2272.1	2287.0	2278.6	2283.7	2287.0	2265.1
35°	2403.5	2387.4	2408.0	2404.7	2392.5	2404.7	2397.0	2404.7	2412.5	2386.1
37.5°	2538.0	2521.2	2543.1	2537.3	2525.8	2534.1	2529.6	2534.8	2547.0	2518.7
40°	2686.0	2665.4	2695.0	2684.7	2673.8	2672.5	2675.1	2678.3	2694.4	2662.9
42.5°	2844.4	2822.5	2866.9	2850.8	2835.4	2825.1	2833.4	2839.9	2855.3	2819.9
45°	3025.2	3000.1	3058.1	3038.8	3014.3	2993.1	3006.6	3016.2	3038.8	2996.3
47.5°	3224.8	3196.5	3258.2	3252.5	3212.5	3166.2	3197.1	3224.8	3241.5	3190.0
50°	3419.8	3397.9	3479.0	3486.1	3437.2	3372.2	3415.3	3457.1	3461.6	3394.1
52.5°	3602.6	3580.7	3698.5	3742.9	3699.2	3621.9	3667.6	3710.1	3676.0	3588.4
55°	3748.7	3730.7	3880.7	3995.2	4010.0	3946.3	3973.4	3972.1	3860.1	3725.5
57.5°	3784.1	3781.5	3970.8	4213.4	4367.9	4375.7	4322.2	4185.8	3944.4	3763.5
60°	3623.2	3639.3	3899.3	4327.4	4739.3	4910.5	4679.5	4290.0	3848.5	3597.5
62.5°	3141.7	3184.2	3497.7	4188.3	5039.3	5525.9	4965.9	4131.7	3454.6	3126.9
65°	2251.5	2325.6	2671.9	3574.3	5012.2	6066.6	4924.7	3545.3	2697.6	2319.8
67.5°	1021.5	1096.8	1391.0	2447.2	4357.0	5919.8	4346.7	2473.0	1460.5	1100.7
70°	370.1	383.0	477.6	979.7	2784.5	4716.8	2903.6	986.7	507.9	408.1
72.5°	224.0	225.9	245.9	350.8	967.4	2863.7	1008.6	362.4	251.0	222.7
75°	142.3	141.0	175.1	214.3	343.1	966.1	359.8	214.3	174.4	159.0
77.5°	102.3	105.6	125.5	160.3	216.3	327.6	212.4	153.2	125.5	103.0
80°	76.6	78.5	91.4	124.9	151.9	204.0	135.2	113.3	94.6	64.4
82.5°	55.4	55.4	59.9	90.8	92.7	110.1	73.4	79.8	62.4	45.7
85°	32.8	32.2	37.3	54.1	48.3	40.6	33.5	48.9	39.3	28.3
87.5°	11.6	12.2	11.6	15.4	12.9	10.9	10.3	13.5	10.9	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1526.8
1535.8
1557.0
1589.2
1627.8
1667.7
1711.5
1771.4
1839.0
1911.7
1993.4
2078.4
2171.1
2279.9
2402.2
2536.0
2673.2
2838.6
3018.2
3207.4
3402.4
3591.0
3730.1
3751.9
3567.8
3107.6
2292.1
1084.6
402.9
226.6
160.3
104.9
66.3
45.7
27.7
9.0
0.0

OF REPORT)