

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: P947774

Luminaire Tested: **GALN-SB3A-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947774
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-SB3A-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14663 lumens
Efficiency: N/A
Efficacy: 173.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

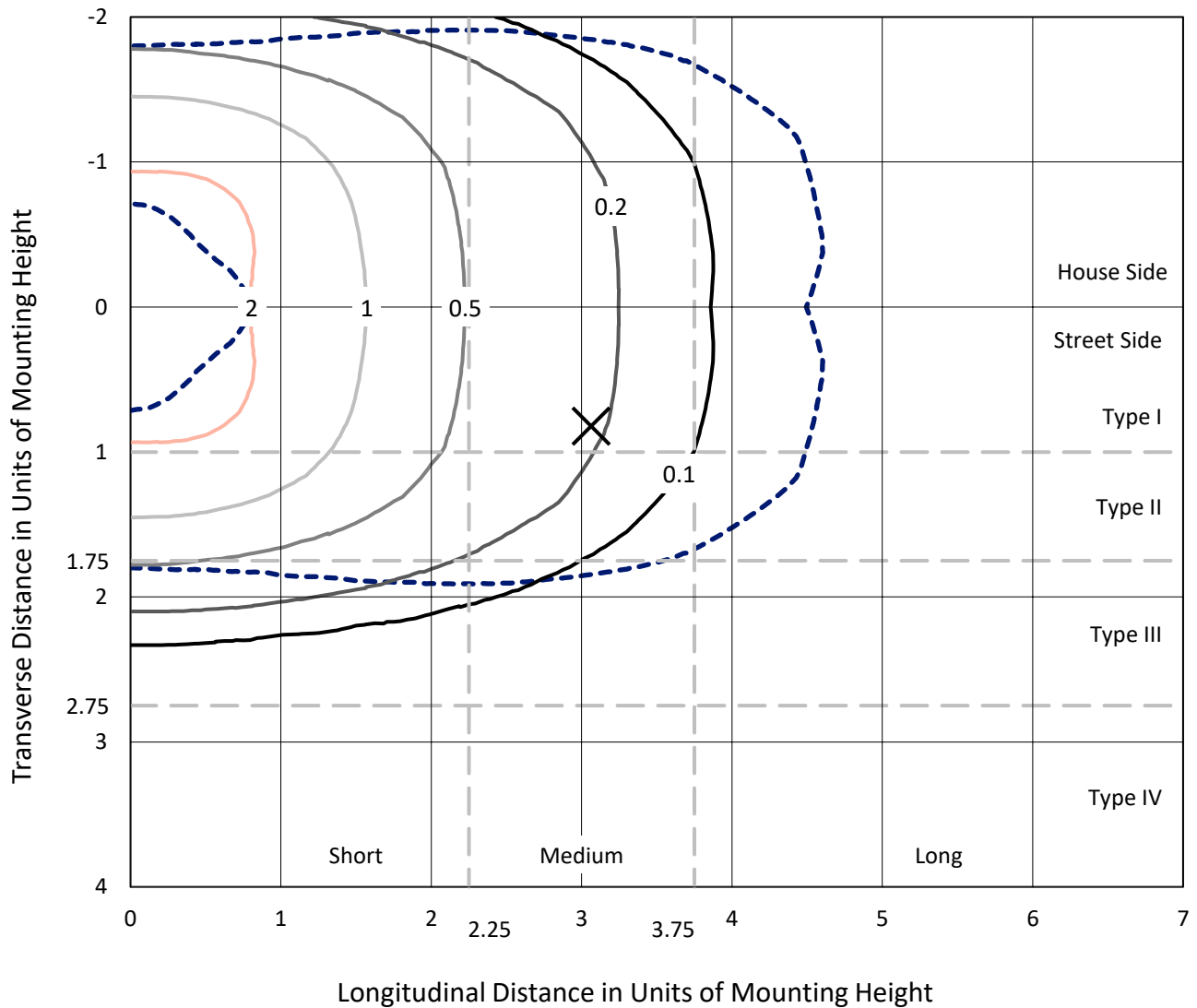
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

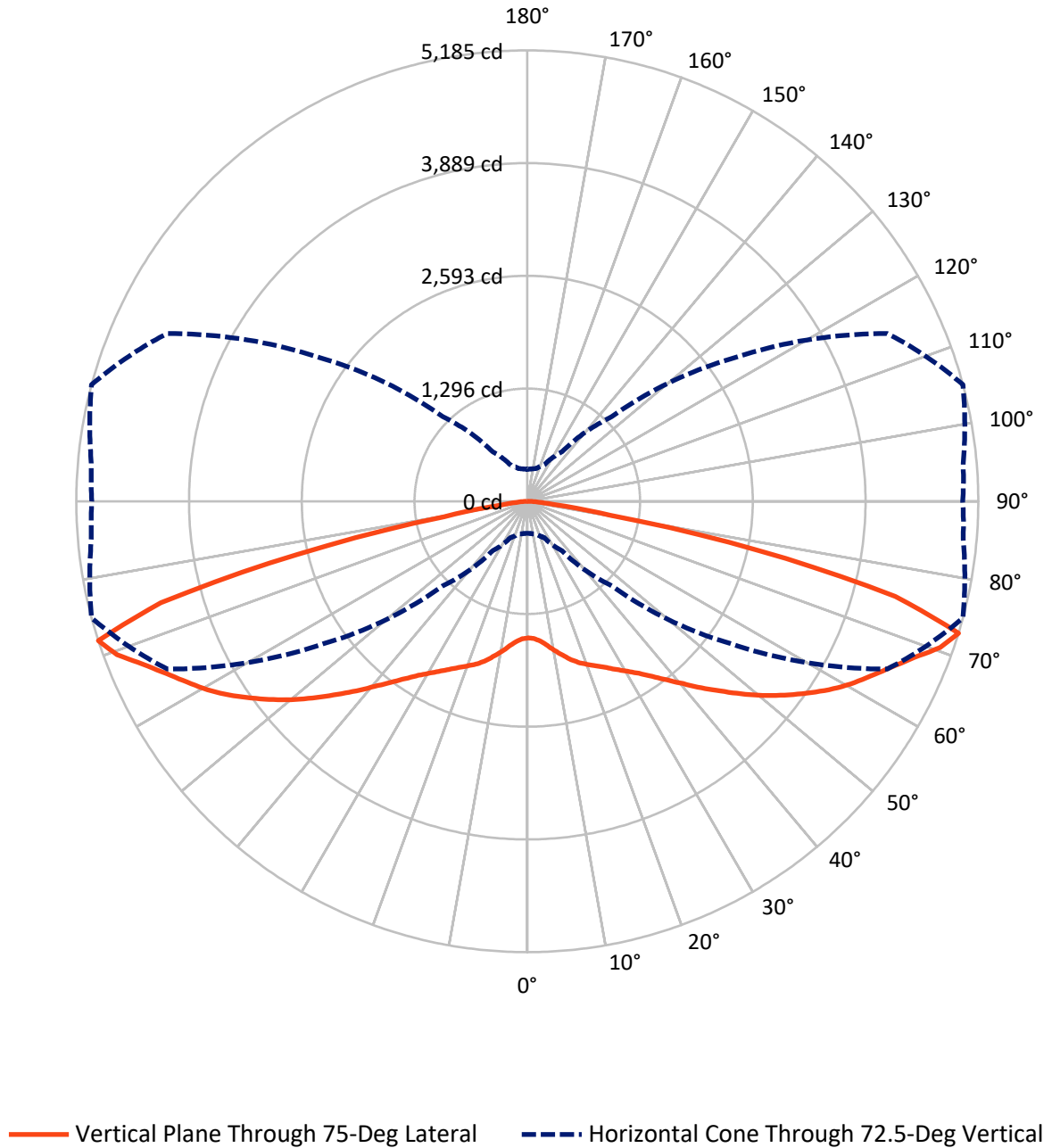
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7331.5	0.0	7331.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7331.5	0.0	7331.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14663.0	0.0	14663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	1.0
10°-20°	507.5	3.5
20°-30°	980.6	6.7
30°-40°	1655.7	11.3
40°-50°	2625.8	17.9
50°-60°	3515.7	24.0
60°-70°	3345.8	22.8
70°-80°	1745.9	11.9
80°-90°	132.2	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°	14663.0	100.0
0°-180°	14663.0	100.0

Coefficient of Utilization



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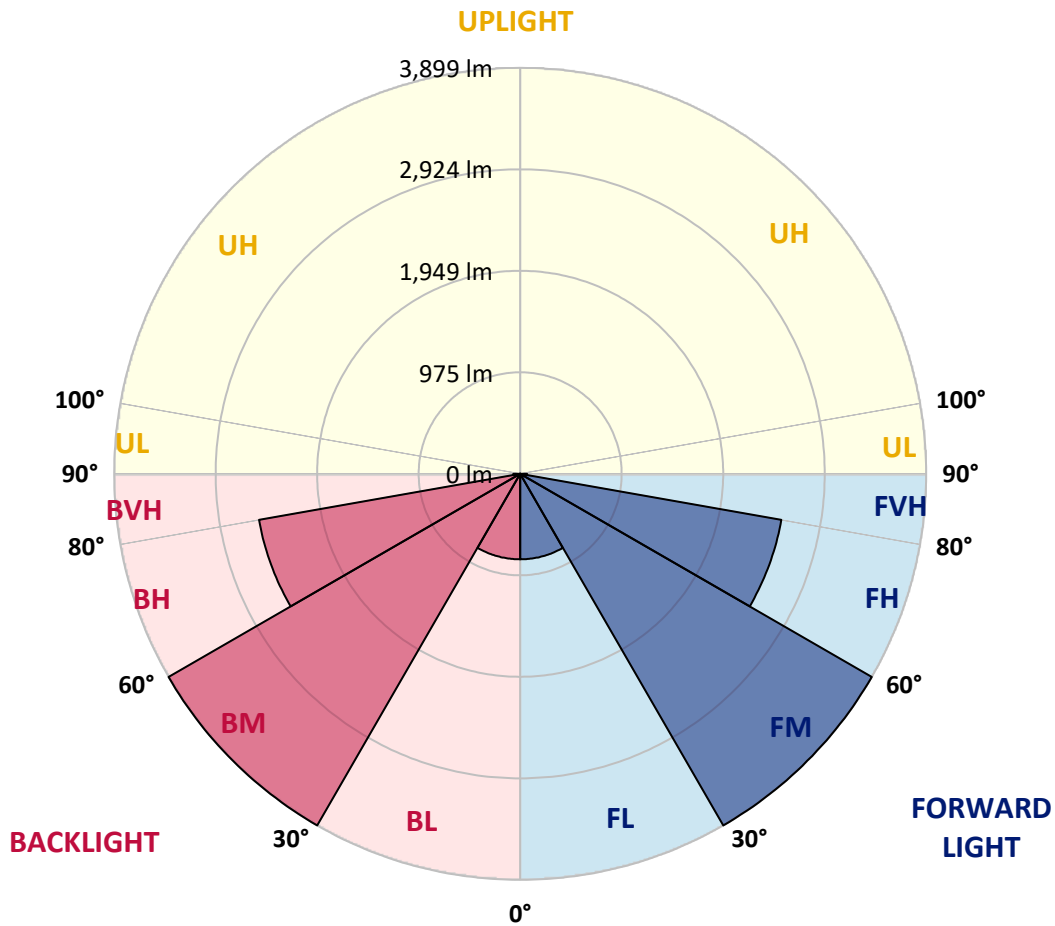
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.9	5.6			
FM (30°-60°)	3898.6	26.6			
FH (60°-80°)	2545.8	17.4			G2/5000
FVH (80°-90°)	66.1	0.5			G1/100
BL (0°-30°)	820.9	5.6	B2/1000		
BM (30°-60°)	3898.6	26.6	B3/5000		
BH (60°-80°)	2545.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	66.1	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°	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7
2.5°	1570.7	1569.2	1570.7	1572.2	1571.4	1571.4	1575.2	1577.4	1581.9	1581.2
5°	1560.2	1559.4	1565.4	1572.2	1577.4	1586.4	1597.6	1605.9	1616.3	1618.6
7.5°	1554.9	1552.7	1563.2	1575.2	1591.6	1614.1	1635.8	1658.3	1676.2	1682.2
10°	1558.7	1559.4	1573.7	1596.1	1622.3	1653.8	1684.5	1722.6	1748.1	1754.1
12.5°	1575.9	1574.4	1598.4	1634.3	1670.2	1709.9	1745.9	1787.8	1815.5	1829.7
15°	1607.4	1604.4	1638.0	1691.2	1743.6	1790.0	1819.2	1858.9	1891.1	1909.1
17.5°	1644.8	1646.3	1690.5	1759.3	1828.2	1880.6	1908.3	1928.5	1953.2	1969.0
20°	1710.7	1713.7	1763.1	1844.7	1923.3	1983.2	2005.6	1998.1	2004.9	2016.9
22.5°	1799.0	1800.5	1855.9	1944.2	2026.6	2092.5	2107.5	2076.8	2058.0	2066.3
25°	1901.6	1911.3	1966.7	2057.3	2141.9	2204.8	2211.5	2165.1	2118.7	2120.9
27.5°	2026.6	2035.6	2091.7	2181.6	2267.7	2322.3	2321.6	2259.4	2191.3	2174.1
30°	2162.1	2171.8	2229.5	2322.3	2402.4	2450.3	2439.9	2365.7	2268.4	2236.2
32.5°	2323.1	2329.1	2387.4	2480.3	2554.4	2592.6	2570.9	2479.5	2358.3	2321.6
35°	2517.7	2526.7	2570.1	2657.7	2722.8	2754.3	2717.6	2609.8	2473.5	2432.4
37.5°	2740.1	2734.1	2783.5	2861.3	2915.2	2934.7	2884.6	2756.5	2605.3	2556.6
40°	2972.1	2969.1	3023.1	3097.9	3127.1	3139.1	3065.0	2925.0	2757.3	2704.9
42.5°	3182.5	3180.3	3252.9	3336.0	3371.2	3357.7	3264.1	3103.9	2933.2	2873.3
45°	3351.0	3348.0	3437.1	3553.8	3622.7	3600.3	3474.5	3301.6	3111.4	3049.3
47.5°	3480.5	3482.0	3577.8	3722.3	3842.8	3851.1	3689.4	3502.9	3307.5	3237.2
50°	3574.1	3578.6	3681.1	3841.3	4006.0	4078.7	3908.7	3709.6	3510.4	3431.1
52.5°	3597.3	3605.5	3729.0	3916.9	4110.8	4249.3	4131.8	3908.0	3702.8	3627.2
55°	3473.7	3490.2	3646.7	3911.0	4175.2	4361.6	4328.0	4109.3	3896.7	3818.9
57.5°	3190.0	3213.2	3395.9	3741.0	4161.0	4438.8	4479.9	4302.5	4090.6	4015.8
60°	2792.5	2820.2	2995.4	3371.9	3960.4	4467.2	4587.0	4490.4	4268.8	4196.2
62.5°	2192.8	2228.7	2438.4	2880.1	3536.6	4334.7	4678.3	4660.4	4429.0	4338.4
65°	1406.7	1444.9	1665.7	2187.6	2971.4	3928.9	4706.8	4825.8	4598.2	4471.7
67.5°	848.2	865.4	974.7	1325.9	2171.8	3317.3	4465.7	5009.2	4795.9	4638.6
70°	542.8	552.5	617.6	778.6	1227.8	2420.4	3868.3	5043.7	5035.4	4810.1
72.5°	368.3	371.3	388.5	461.2	694.7	1375.3	2853.1	4566.0	5185.2	5030.9
75°	269.5	286.0	313.7	326.4	394.5	687.3	1635.1	3208.0	4369.9	4437.3
77.5°	200.6	201.4	239.6	254.5	281.5	366.1	691.8	1790.8	2713.1	2848.6
80°	169.9	161.0	160.2	205.1	211.9	228.3	309.2	618.4	971.7	589.2
82.5°	141.5	131.8	119.0	160.2	144.5	140.0	134.0	251.5	309.2	152.0
85°	98.8	94.3	89.8	104.8	82.4	70.4	64.4	117.5	130.3	64.4
87.5°	42.7	44.2	44.9	46.4	34.4	24.7	24.7	32.9	32.9	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1570.7
1580.4
1618.6
1683.7
1760.1
1835.7
1915.8
1976.4
2025.8
2072.3
2124.7
2179.3
2240.0
2330.6
2438.4
2565.6
2722.1
2888.3
3063.5
3258.1
3455.0
3646.7
3840.6
4033.0
4211.9
4348.9
4487.4
4650.6
4808.6
5007.0
4274.0
2540.9
445.4
129.5
56.9
18.7
0.0

OF REPORT)