

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: P947750

Luminaire Tested: **GALN-SB3A-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947750
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-SB3A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14103 lumens
Efficiency: N/A
Efficacy: 166.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

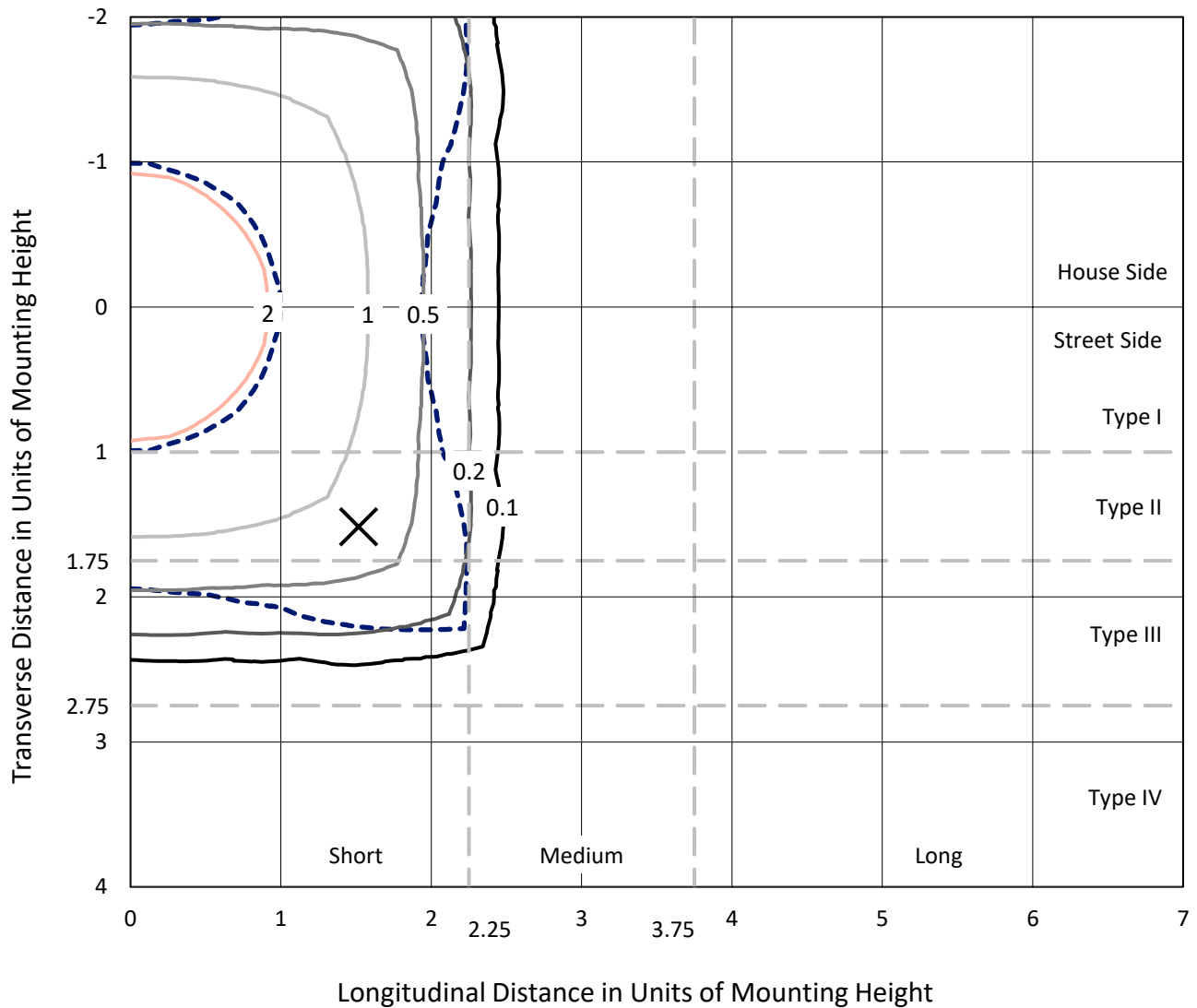
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

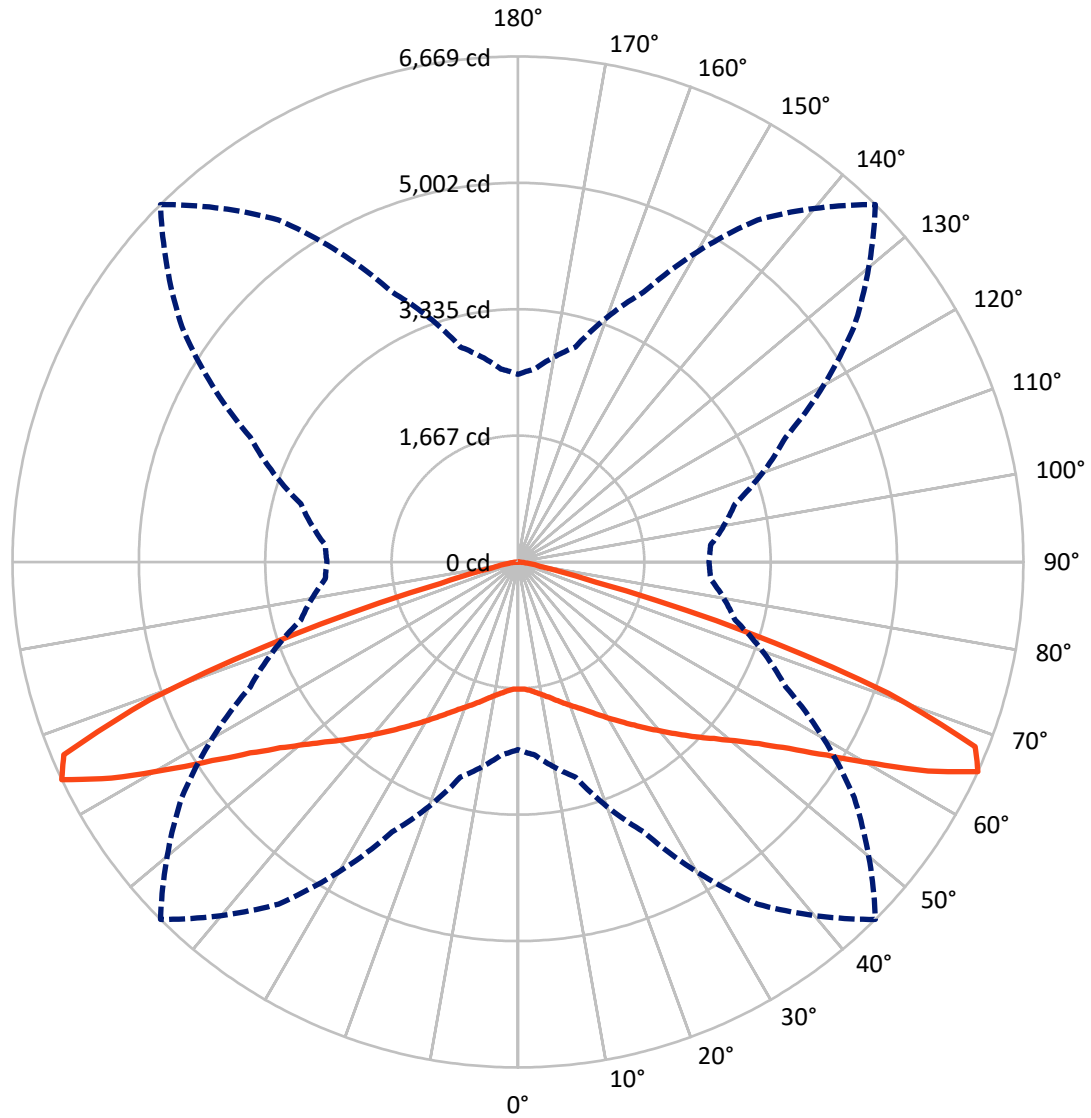
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	7051.5	0.0	7051.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7051.5	0.0	7051.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14103.0	0.0	14103.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	1.2
10°-20°	540.5	3.8
20°-30°	1020.5	7.2
30°-40°	1671.1	11.8
40°-50°	2591.0	18.4
50°-60°	3827.5	27.1
60°-70°	3643.4	25.8
70°-80°	587.9	4.2
80°-90°	55.4	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°	14103.0	100.0
0°-180°	14103.0	100.0



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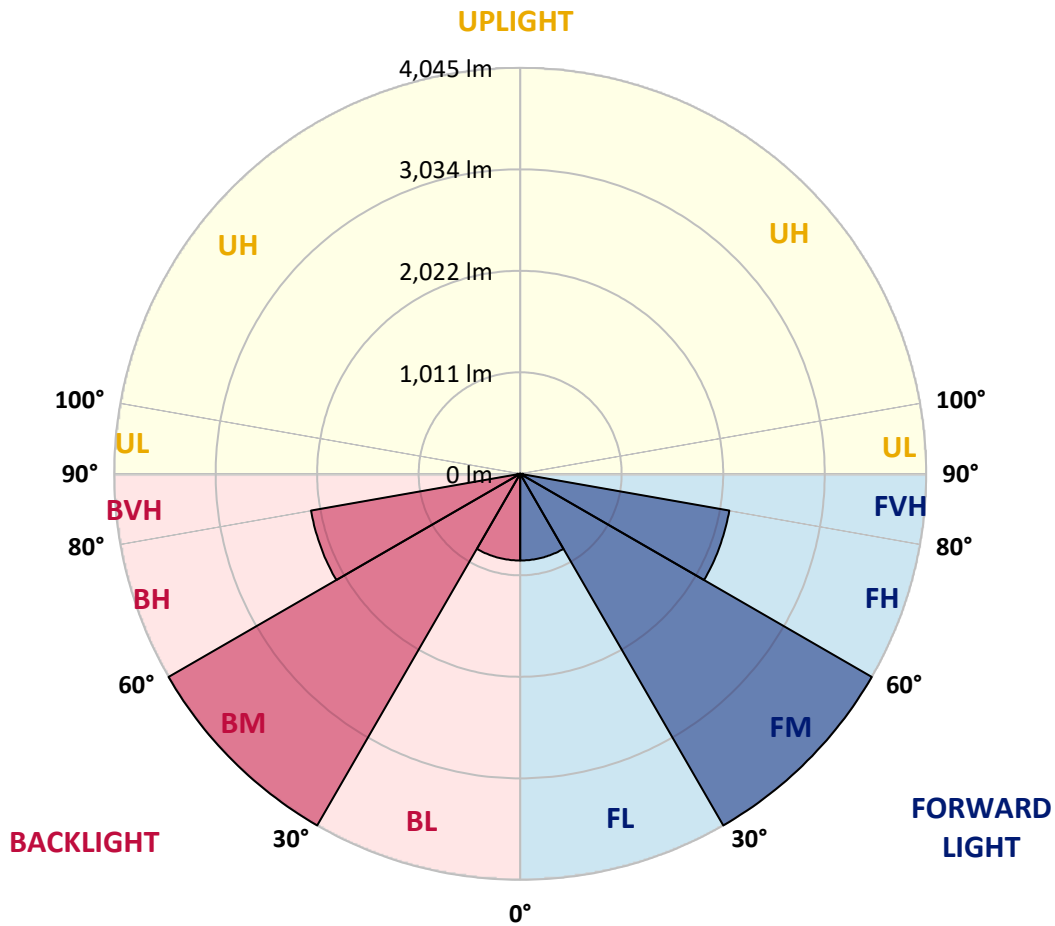
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.3	6.1			
FM (30°-60°)	4044.8	28.7			
FH (60°-80°)	2115.7	15.0			G2/5000
FVH (80°-90°)	27.7	0.2			G1/100
BL (0°-30°)	863.3	6.1	B2/1000		
BM (30°-60°)	4044.8	28.7	B3/5000		
BH (60°-80°)	2115.7	15.0	B3/2500		G2/5000
BVH (80°-90°)	27.7	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°	1678.4	1678.4	1678.4	1678.4	1678.4	1678.4	1678.4	1678.4	1678.4	1678.4
2.5°	1689.7	1684.1	1688.3	1684.8	1681.9	1679.1	1680.5	1685.5	1687.6	1688.3
5°	1712.4	1707.4	1709.5	1709.5	1704.6	1703.2	1703.9	1707.4	1711.7	1711.7
7.5°	1749.2	1744.2	1749.2	1746.3	1742.1	1740.7	1740.0	1742.8	1749.2	1749.2
10°	1793.7	1788.1	1790.9	1789.5	1784.5	1782.4	1781.7	1786.0	1791.6	1790.9
12.5°	1842.6	1836.2	1839.7	1835.5	1834.1	1831.9	1831.9	1831.2	1834.8	1831.9
15°	1897.0	1892.8	1894.2	1891.4	1893.5	1892.1	1886.4	1883.6	1885.0	1880.8
17.5°	1961.4	1951.5	1956.5	1955.1	1955.1	1957.9	1948.7	1945.2	1948.0	1943.7
20°	2035.7	2025.8	2027.9	2025.1	2021.6	2024.4	2013.1	2015.9	2018.0	2015.2
22.5°	2117.1	2104.4	2103.7	2105.1	2097.3	2098.0	2090.2	2097.3	2101.5	2093.8
25°	2200.6	2187.2	2196.4	2192.8	2182.9	2185.0	2179.4	2186.4	2190.0	2180.1
27.5°	2289.0	2279.8	2288.3	2290.5	2278.4	2286.9	2278.4	2284.8	2288.3	2273.5
30°	2392.4	2383.2	2390.9	2396.6	2382.4	2395.9	2388.8	2393.1	2393.8	2376.1
32.5°	2504.9	2490.7	2510.5	2513.4	2497.8	2514.1	2504.9	2510.5	2514.1	2490.0
35°	2642.1	2624.4	2647.1	2643.5	2630.1	2643.5	2635.1	2643.5	2652.0	2623.0
37.5°	2790.0	2771.6	2795.7	2789.3	2776.6	2785.8	2780.8	2786.5	2799.9	2768.8
40°	2952.8	2930.1	2962.7	2951.3	2939.3	2937.9	2940.7	2944.3	2962.0	2927.3
42.5°	3126.8	3102.8	3151.6	3133.9	3116.9	3105.6	3114.8	3121.9	3138.9	3099.9
45°	3325.7	3298.1	3361.7	3340.5	3313.6	3290.3	3305.1	3315.8	3340.5	3293.8
47.5°	3545.0	3513.9	3581.8	3575.4	3531.6	3480.6	3514.6	3545.0	3563.4	3506.8
50°	3759.4	3735.4	3824.5	3832.3	3778.5	3707.1	3754.5	3800.5	3805.4	3731.1
52.5°	3960.4	3936.3	4065.8	4114.6	4066.5	3981.6	4031.8	4078.5	4041.0	3944.8
55°	4121.0	4101.2	4266.0	4392.0	4408.3	4338.2	4367.9	4366.5	4243.4	4095.5
57.5°	4159.9	4157.1	4365.1	4631.9	4801.7	4810.2	4751.5	4601.4	4336.1	4137.3
60°	3983.0	4000.7	4286.6	4757.1	5210.0	5398.2	5144.2	4716.1	4230.7	3954.7
62.5°	3453.7	3500.4	3845.0	4604.3	5539.7	6074.6	5459.0	4542.0	3797.6	3437.5
65°	2475.1	2556.5	2937.2	3929.2	5510.0	6669.0	5413.8	3897.4	2965.5	2550.1
67.5°	1122.9	1205.7	1529.1	2690.2	4789.7	6507.7	4778.3	2718.6	1605.5	1210.0
70°	406.9	421.0	525.0	1076.9	3061.0	5185.2	3191.9	1084.7	558.3	448.6
72.5°	246.2	248.4	270.3	385.6	1063.5	3148.1	1108.8	398.4	276.0	244.8
75°	156.4	155.0	192.5	235.6	377.1	1062.1	395.5	235.6	191.8	174.8
77.5°	112.5	116.0	138.0	176.2	237.7	360.2	233.5	168.4	138.0	113.2
80°	84.2	86.3	100.5	137.3	167.0	224.3	148.6	124.5	104.0	70.8
82.5°	60.9	60.9	65.8	99.8	101.9	121.0	80.7	87.7	68.6	50.2
85°	36.1	35.4	41.0	59.4	53.1	44.6	36.8	53.8	43.2	31.1
87.5°	12.7	13.4	12.7	17.0	14.2	12.0	11.3	14.9	12.0	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1678.4
1688.3
1711.7
1747.0
1789.5
1833.4
1881.5
1947.3
2021.6
2101.5
2191.4
2284.8
2386.7
2506.3
2640.7
2787.9
2938.6
3120.5
3317.9
3525.9
3740.3
3947.6
4100.5
4124.5
3922.2
3416.2
2519.7
1192.3
442.9
249.1
176.2
115.3
72.9
50.2
30.4
9.9
0.0

OF REPORT)