

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: P527262

Luminaire Tested: **GALN-SA2B-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9601 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

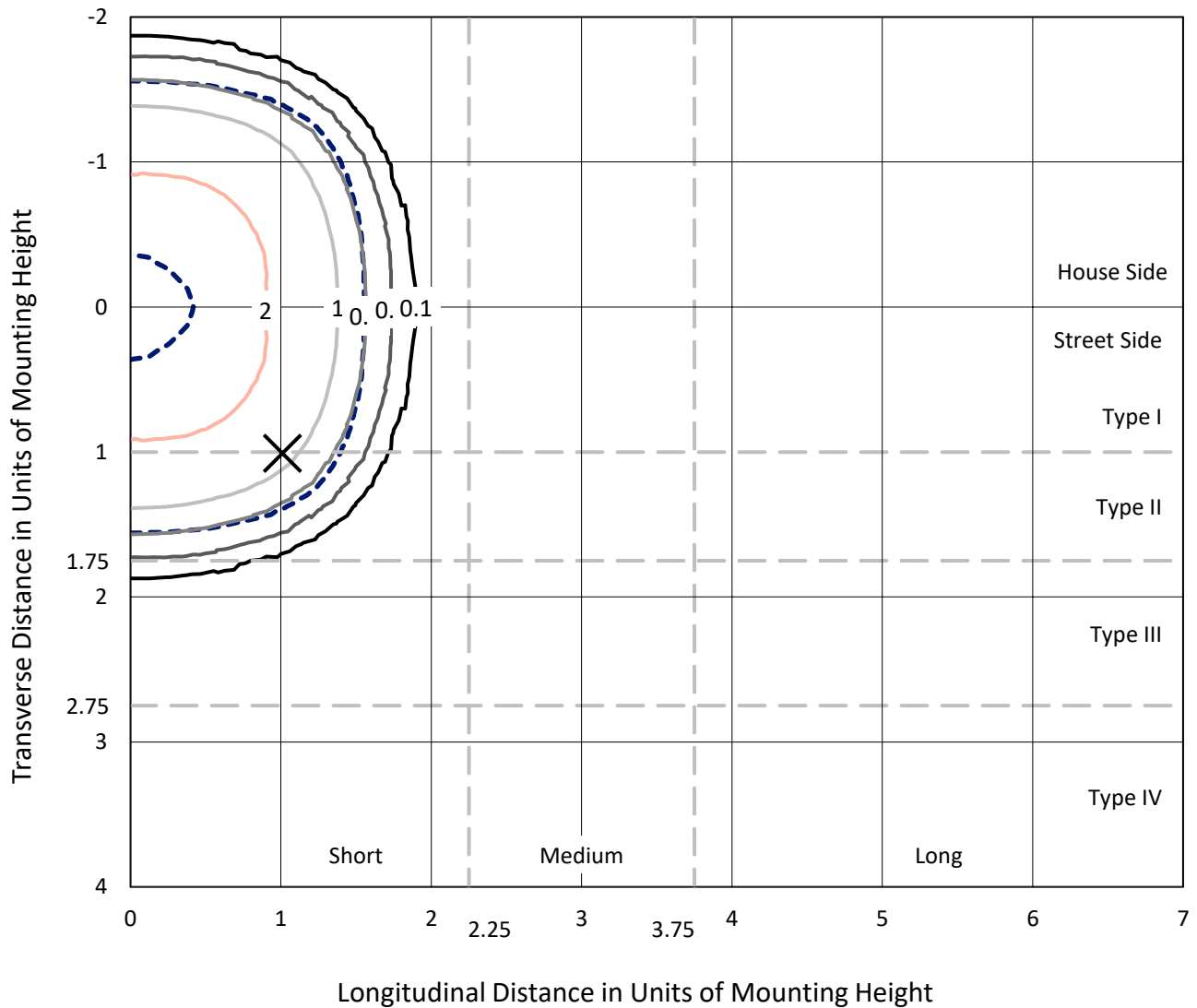
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

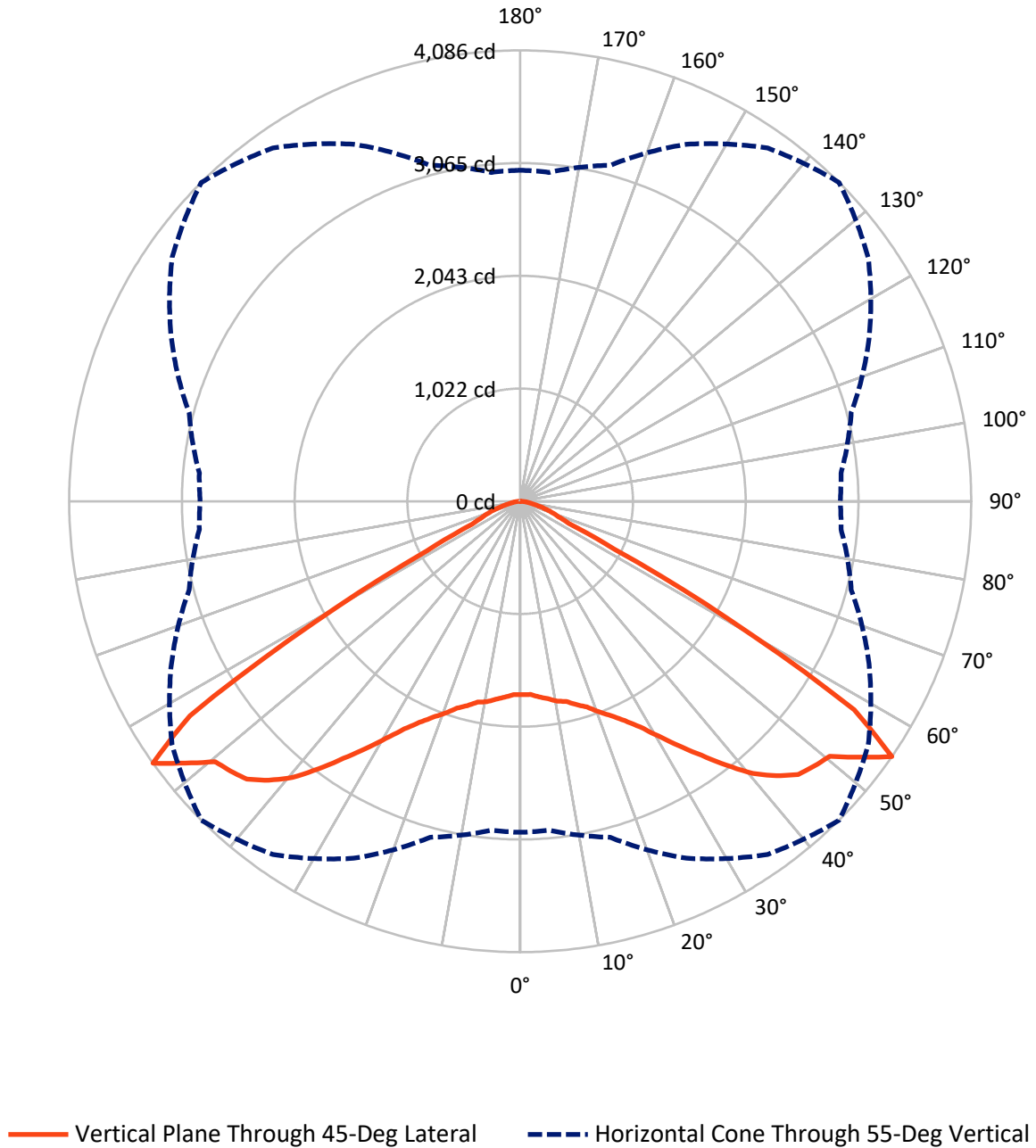
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4800.5	0.0	4800.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4800.5	0.0	4800.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9601.0	0.0	9601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	1.8
10°-20°	542.6	5.7
20°-30°	1011.8	10.5
30°-40°	1694.1	17.6
40°-50°	2636.1	27.5
50°-60°	2737.1	28.5
60°-70°	580.5	6.0
70°-80°	191.2	2.0
80°-90°	36.4	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°	9601.0	100.0
0°-180°	9601.0	100.0

Coefficient of Utilization



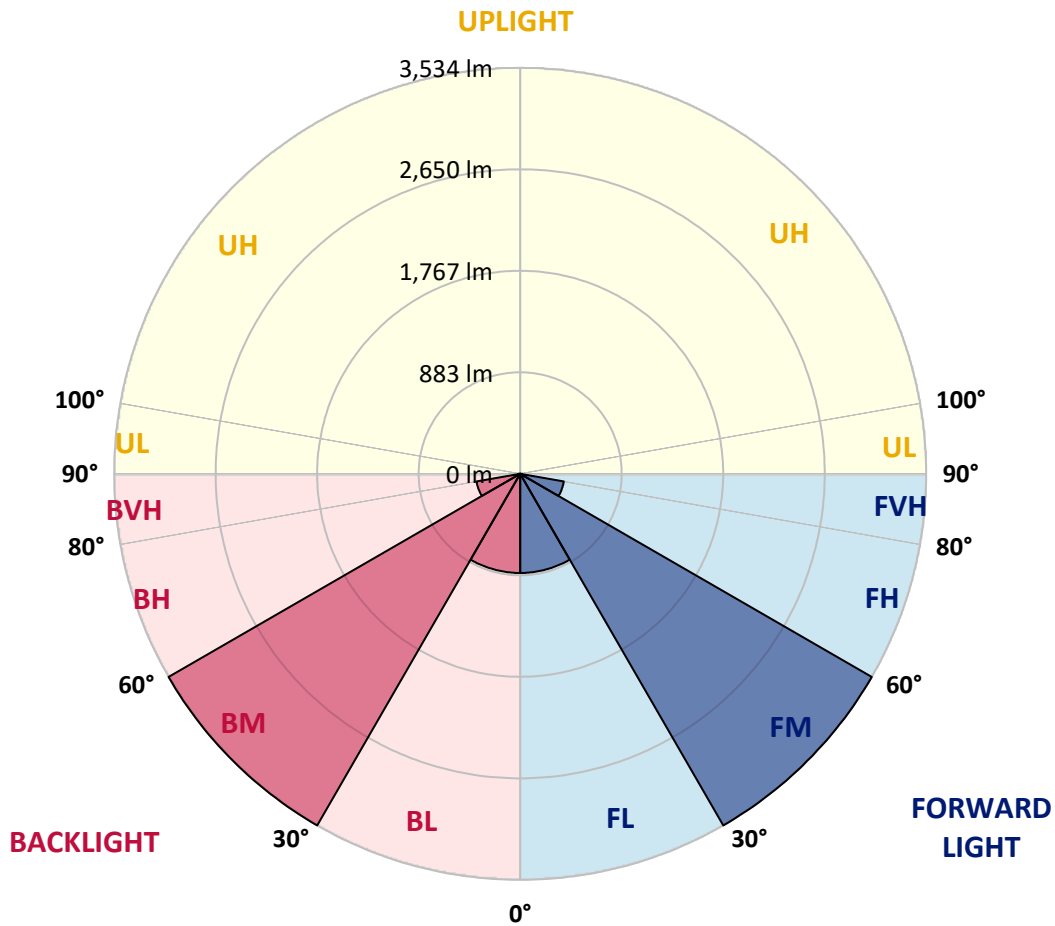
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.8	9.0			
FM (30°-60°)	3533.7	36.8			
FH (60°-80°)	385.8	4.0			G0/660
FVH (80°-90°)	18.2	0.2			G1/100
BL (0°-30°)	862.8	9.0	B2/1000		
BM (30°-60°)	3533.7	36.8	B3/5000		
BH (60°-80°)	385.8	4.0	B1/500		G0/660
BVH (80°-90°)	18.2	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°	90°
0°	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0	1753.0
2.5°	1773.9	1765.8	1751.8	1762.3	1770.4	1753.0	1760.0	1763.4	1761.1	1751.8	1755.3
5°	1799.4	1794.8	1783.2	1791.3	1780.8	1780.8	1773.9	1764.6	1778.5	1776.2	1782.0
7.5°	1799.4	1793.6	1816.8	1801.7	1806.4	1806.4	1794.8	1785.5	1792.4	1782.0	1776.2
10°	1835.4	1843.5	1833.1	1836.5	1834.2	1842.3	1824.9	1819.1	1813.3	1809.8	1802.9
12.5°	1878.3	1872.5	1876.0	1873.7	1881.8	1860.9	1850.5	1837.7	1848.1	1833.1	1843.5
15°	1913.1	1909.6	1913.1	1922.4	1914.3	1913.1	1894.5	1881.8	1865.5	1869.0	1852.8
17.5°	1960.7	1957.2	1958.3	1966.5	1965.3	1959.5	1945.6	1921.2	1915.4	1906.1	1895.7
20°	2031.4	2025.6	2023.3	2026.8	2032.6	2037.2	2009.4	2000.1	1980.4	1965.3	1947.9
22.5°	2091.8	2089.4	2098.7	2083.6	2096.4	2110.3	2083.6	2079.0	2030.3	2022.2	2003.6
25°	2175.3	2171.8	2166.0	2188.1	2203.1	2202.0	2176.5	2150.9	2113.8	2104.5	2104.5
27.5°	2263.5	2243.7	2273.9	2279.7	2306.4	2314.5	2292.5	2255.3	2220.5	2200.8	2205.5
30°	2373.7	2355.1	2362.1	2403.8	2438.7	2468.8	2413.1	2358.6	2309.9	2275.1	2269.3
32.5°	2483.9	2465.3	2486.2	2526.8	2596.4	2641.7	2587.2	2492.0	2435.2	2384.1	2394.6
35°	2573.2	2587.2	2620.8	2682.3	2754.2	2827.3	2740.3	2667.2	2586.0	2529.1	2537.3
37.5°	2717.1	2760.0	2786.7	2857.5	2959.6	3035.0	2944.5	2849.3	2762.3	2688.1	2662.6
40°	2905.0	2934.0	2964.2	3047.7	3168.4	3243.8	3158.0	3033.8	2948.0	2871.4	2867.9
42.5°	3111.5	3139.4	3170.7	3272.8	3344.7	3401.6	3322.7	3256.6	3161.4	3101.1	3097.6
45°	3351.7	3332.0	3366.8	3434.1	3494.4	3531.5	3480.5	3448.0	3379.5	3323.9	3318.1
47.5°	3511.8	3494.4	3557.0	3617.4	3626.7	3586.0	3596.5	3626.7	3554.7	3463.1	3492.1
50°	3604.6	3604.6	3646.4	3702.1	3684.7	3632.5	3714.8	3717.1	3645.2	3564.0	3564.0
52.5°	3443.4	3479.3	3597.7	3779.8	3837.8	3852.9	3834.3	3755.4	3567.5	3401.6	3393.5
55°	3000.2	2992.0	3152.2	3569.8	3907.4	4086.1	3849.4	3486.3	3104.6	2917.8	2899.2
57.5°	1951.4	1960.7	2199.7	2625.4	3234.5	3567.5	3168.4	2657.9	2199.7	1942.1	1966.5
60°	878.2	909.6	1054.6	1372.5	1895.7	2167.2	1900.3	1442.1	1106.8	960.6	973.4
62.5°	504.7	510.5	516.3	612.6	807.5	954.8	838.8	647.4	570.8	545.3	545.3
65°	425.8	422.3	423.5	431.6	452.5	482.6	469.9	452.5	454.8	452.5	449.0
67.5°	362.0	366.6	363.1	368.9	370.1	374.7	382.9	389.8	391.0	393.3	391.0
70°	297.0	298.2	300.5	305.1	306.3	309.8	321.4	327.2	330.6	330.6	335.3
72.5°	227.4	226.2	228.6	233.2	239.0	240.2	250.6	258.7	263.4	257.6	258.7
75°	149.7	150.8	154.3	157.8	165.9	174.0	177.5	185.6	186.8	189.1	183.3
77.5°	89.3	91.7	95.1	102.1	109.1	116.0	124.1	129.9	132.3	129.9	123.0
80°	58.0	58.0	62.6	68.4	76.6	82.4	87.0	91.7	95.1	91.7	89.3
82.5°	36.0	36.0	41.8	48.7	54.5	58.0	65.0	70.8	74.3	71.9	68.4
85°	18.6	19.7	24.4	30.2	34.8	37.1	36.0	32.5	29.0	27.8	25.5
87.5°	5.8	5.8	7.0	7.0	5.8	5.8	7.0	5.8	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)