

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: P650725

Luminaire Tested: **GALN-SA2C-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10087 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

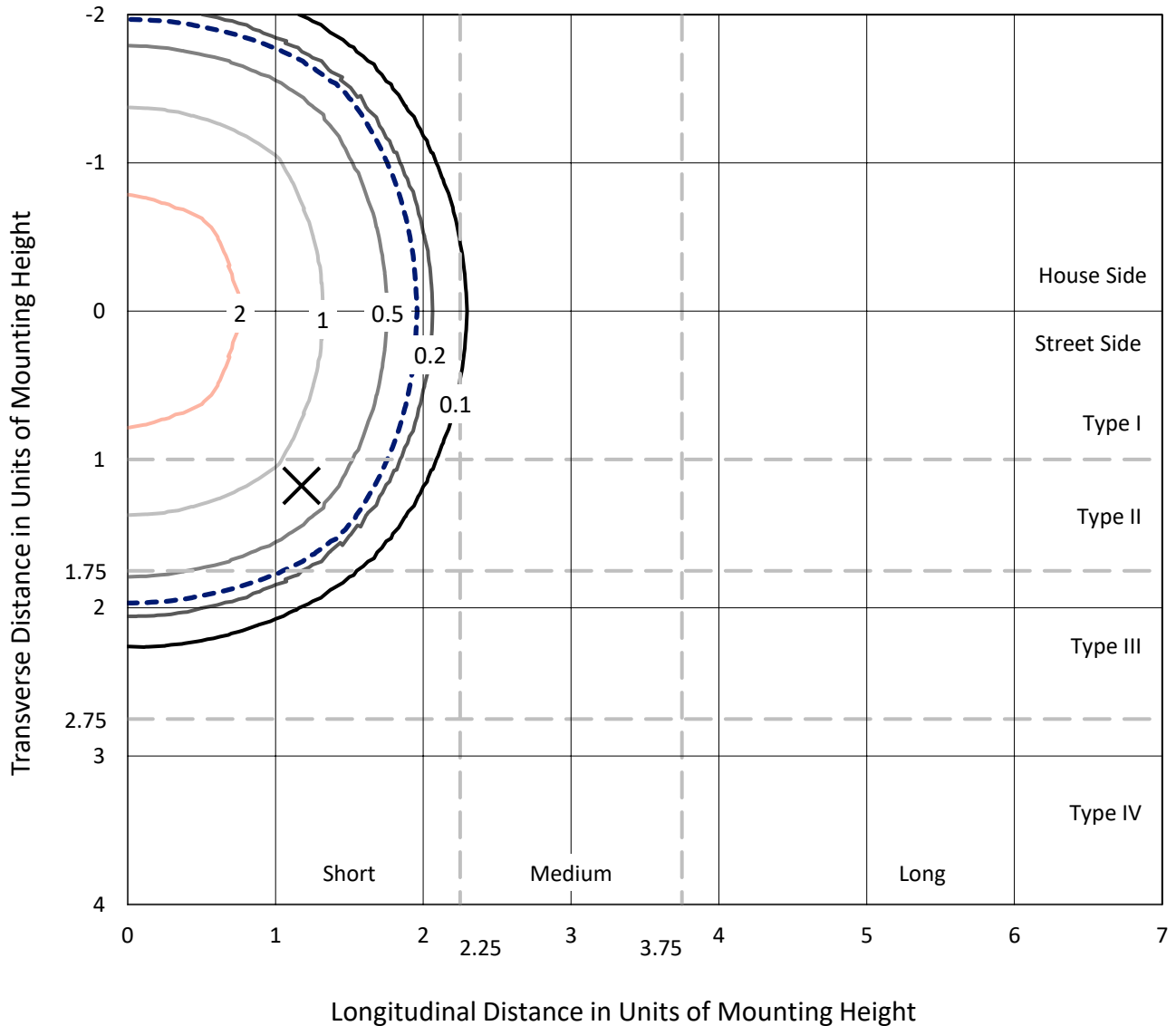
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

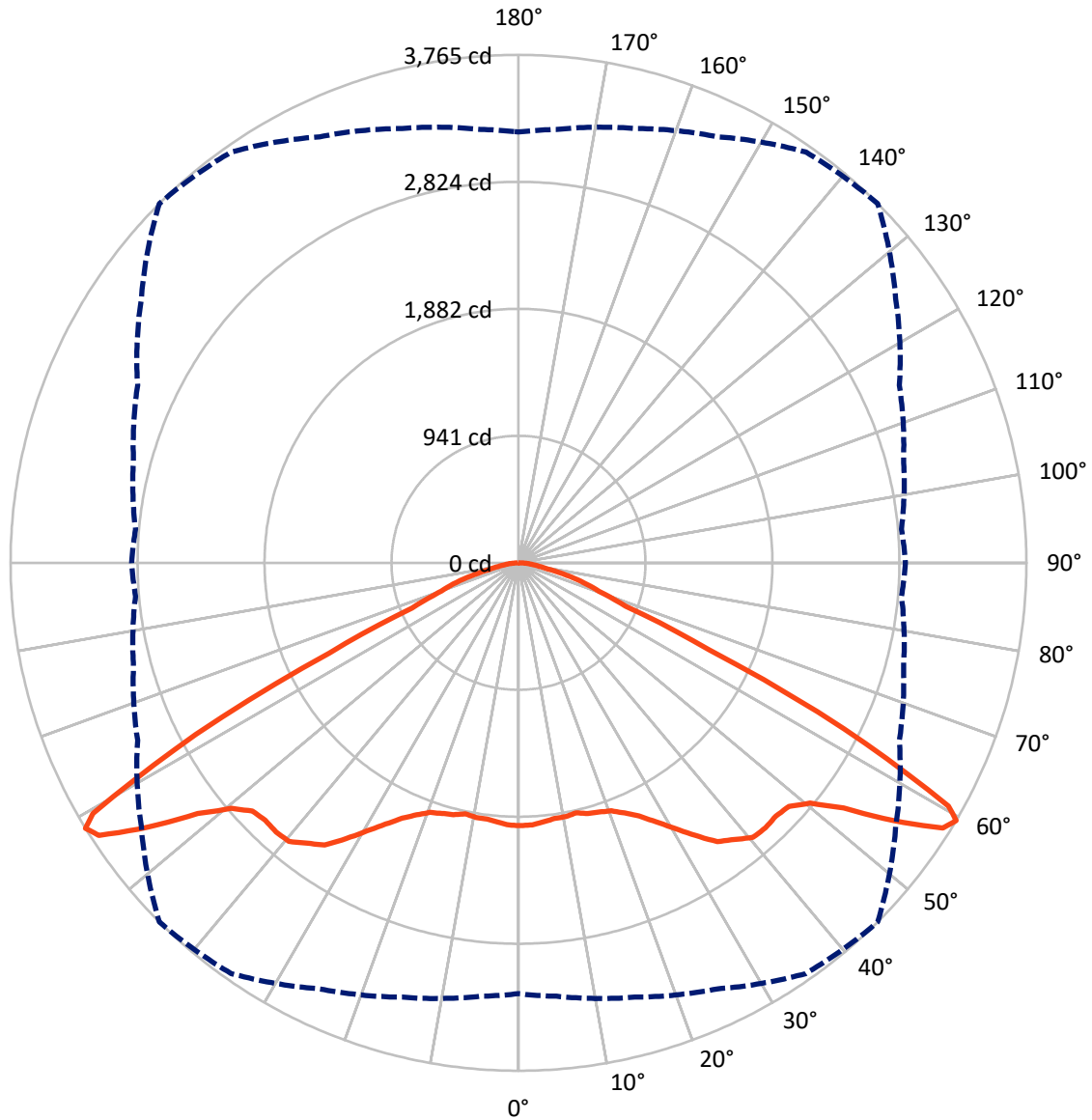
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10087.0	0.0	10087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	1.8
10°-20°	546.2	5.4
20°-30°	953.7	9.5
30°-40°	1523.2	15.1
40°-50°	2074.9	20.6
50°-60°	2805.8	27.8
60°-70°	1538.7	15.3
70°-80°	393.7	3.9
80°-90°	67.2	0.7
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°	10087.0	100.0
0°-180°	10087.0	100.0

Coefficient of Utilization

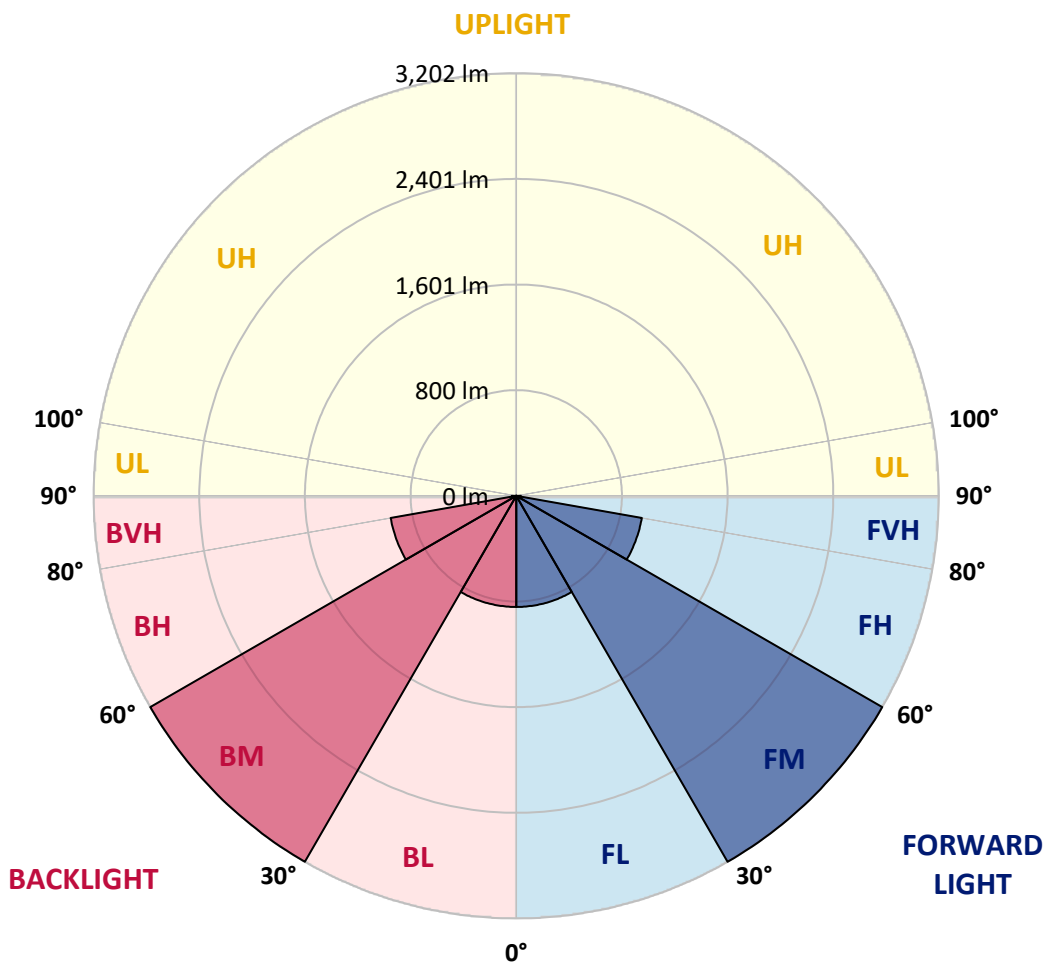


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.8	8.3			
FM (30°-60°)	3202.0	31.7			
FH (60°-80°)	966.2	9.6			G1/1800
FVH (80°-90°)	33.6	0.3			G1/100
BL (0°-30°)	841.8	8.3	B2/1000		
BM (30°-60°)	3202.0	31.7	B3/5000		
BH (60°-80°)	966.2	9.6	B2/1000		G1/1800
BVH (80°-90°)	33.6	0.3			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°	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3	1948.3
2.5°	1936.7	1950.9	1940.5	1949.6	1948.3	1944.5	1938.0	1934.1	1928.9	1936.7	1923.8
5°	1928.9	1940.5	1952.2	1936.7	1936.7	1928.9	1925.0	1917.3	1917.3	1916.0	1914.7
7.5°	1941.9	1930.2	1925.0	1927.7	1930.2	1913.4	1925.0	1909.5	1896.6	1905.6	1916.0
10°	1930.2	1935.4	1916.0	1925.0	1910.8	1913.4	1905.6	1916.0	1901.8	1901.8	1901.8
12.5°	1941.9	1927.7	1934.1	1927.7	1923.8	1901.8	1912.1	1900.5	1899.2	1912.1	1900.5
15°	1965.2	1941.9	1936.7	1923.8	1927.7	1927.7	1917.3	1918.6	1904.4	1912.1	1914.7
17.5°	1957.3	1944.5	1940.5	1925.0	1938.0	1941.9	1922.4	1909.5	1918.6	1917.3	1916.0
20°	1963.8	1969.0	1965.2	1967.7	1972.9	1962.6	1944.5	1926.3	1914.7	1931.5	1930.2
22.5°	2005.2	2000.1	1997.5	1994.9	2003.9	2014.3	1989.7	1961.2	1961.2	1972.9	1978.0
25°	2038.8	2037.5	2036.2	2047.8	2078.9	2078.9	2047.8	2011.7	2002.6	2010.4	2003.9
27.5°	2088.0	2102.2	2097.0	2117.6	2163.0	2173.3	2131.9	2089.2	2064.7	2055.7	2067.3
30°	2200.4	2183.7	2187.5	2209.5	2249.6	2283.1	2219.8	2174.6	2140.9	2139.7	2144.8
32.5°	2275.4	2288.4	2300.0	2320.7	2384.0	2409.9	2333.6	2259.9	2239.2	2227.6	2231.4
35°	2425.4	2413.8	2411.1	2431.8	2495.2	2537.9	2442.2	2377.5	2350.4	2376.2	2376.2
37.5°	2567.6	2535.3	2510.7	2537.9	2596.0	2601.2	2519.7	2484.8	2470.6	2500.4	2499.0
40°	2634.9	2632.2	2575.3	2590.9	2668.4	2676.2	2600.0	2558.6	2556.0	2594.7	2633.5
42.5°	2704.7	2680.1	2623.2	2633.5	2681.4	2684.0	2611.6	2600.0	2628.4	2665.9	2668.4
45°	2716.3	2695.6	2659.4	2633.5	2668.4	2676.2	2633.5	2641.2	2643.9	2689.1	2689.1
47.5°	2739.6	2737.0	2716.3	2696.8	2703.3	2696.8	2669.8	2681.4	2720.1	2742.2	2731.8
50°	2804.1	2777.1	2797.8	2780.9	2782.2	2800.3	2775.7	2787.4	2779.6	2760.2	2747.3
52.5°	2946.4	2933.5	2951.6	2963.2	2976.1	3017.5	2989.1	2927.0	2868.8	2817.1	2815.8
55°	3154.5	3163.6	3198.5	3257.9	3308.4	3374.3	3237.3	3088.6	2995.6	2914.1	2919.3
57.5°	3351.0	3344.6	3392.4	3528.2	3675.6	3709.1	3440.3	3228.3	3077.0	3025.2	3003.3
59°	3193.4	3224.4	3333.0	3484.2	3715.6	3764.7	3413.1	3114.5	2954.2	2849.4	2867.6
60°	2945.1	2956.7	3053.7	3264.4	3577.3	3661.4	3230.8	2938.6	2725.3	2664.5	2691.7
62.5°	2081.5	2072.4	2142.3	2314.2	2594.7	2708.5	2402.1	2196.5	2062.0	1994.9	2010.4
65°	1106.7	1148.0	1176.5	1283.8	1432.5	1552.7	1426.0	1336.8	1261.8	1206.2	1204.9
67.5°	747.2	742.1	748.6	773.1	823.5	857.1	854.5	809.3	802.8	792.5	804.2
70°	629.7	627.0	615.4	615.4	625.7	633.5	642.5	647.7	658.1	670.9	669.7
72.5°	510.7	504.2	496.4	492.6	505.5	509.4	521.0	526.2	535.2	534.0	545.6
75°	337.4	337.4	346.5	356.8	360.7	368.4	369.8	385.3	385.3	387.9	377.5
77.5°	188.7	183.6	190.1	200.4	209.4	223.6	237.9	249.5	256.0	253.4	253.4
80°	109.9	109.9	116.4	128.0	139.6	152.6	162.9	172.0	178.4	175.9	170.6
82.5°	68.5	68.5	75.0	86.6	95.7	103.4	117.7	129.3	137.1	134.5	128.0
85°	34.9	34.9	42.6	50.5	62.1	67.2	65.9	60.8	59.5	53.0	53.0
87.5°	9.1	9.1	13.0	14.2	11.6	13.0	13.0	13.0	13.0	13.0	14.2
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)