

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: P651936

Luminaire Tested: **GALN-SA6A-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23869.3 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

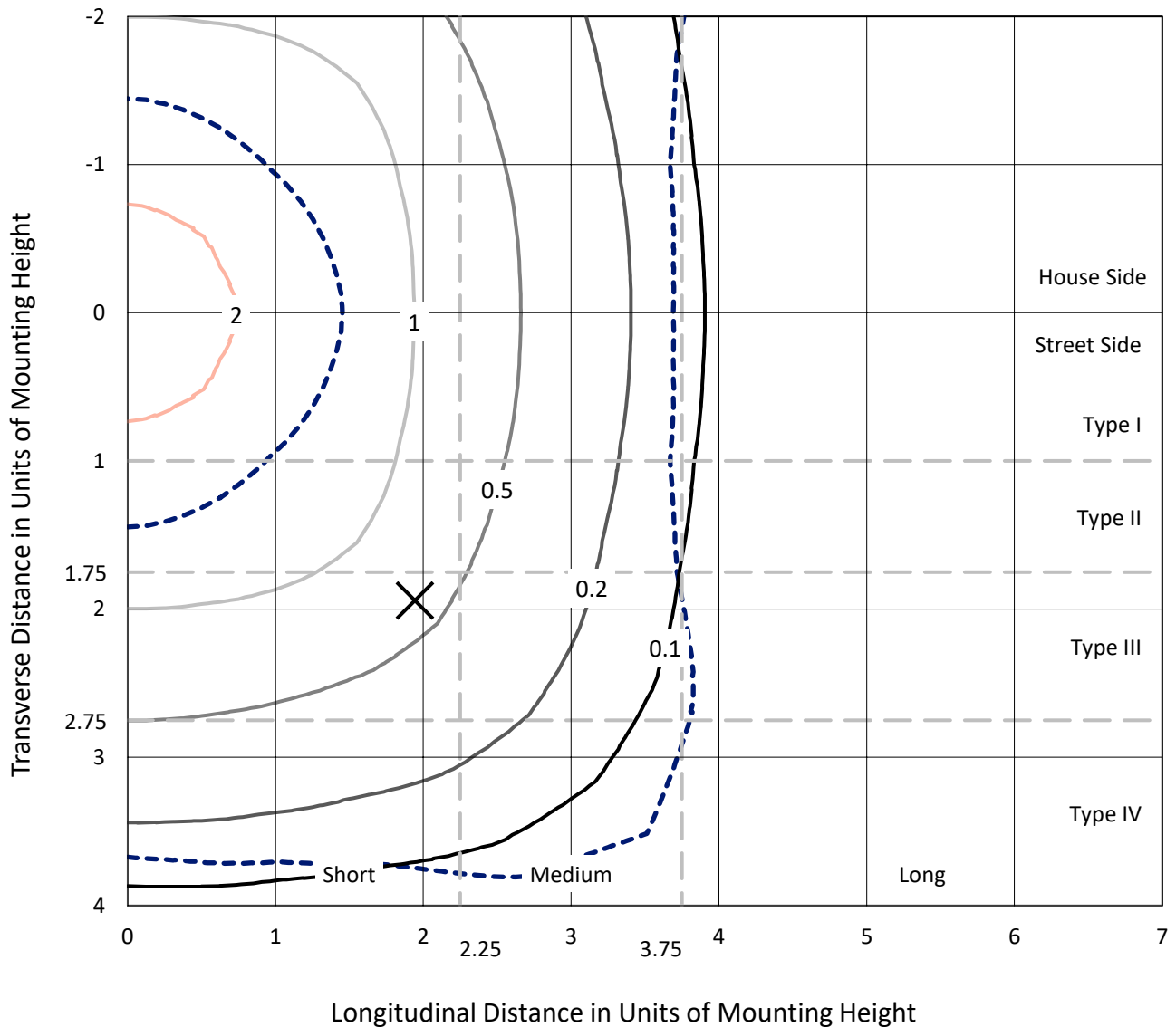
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

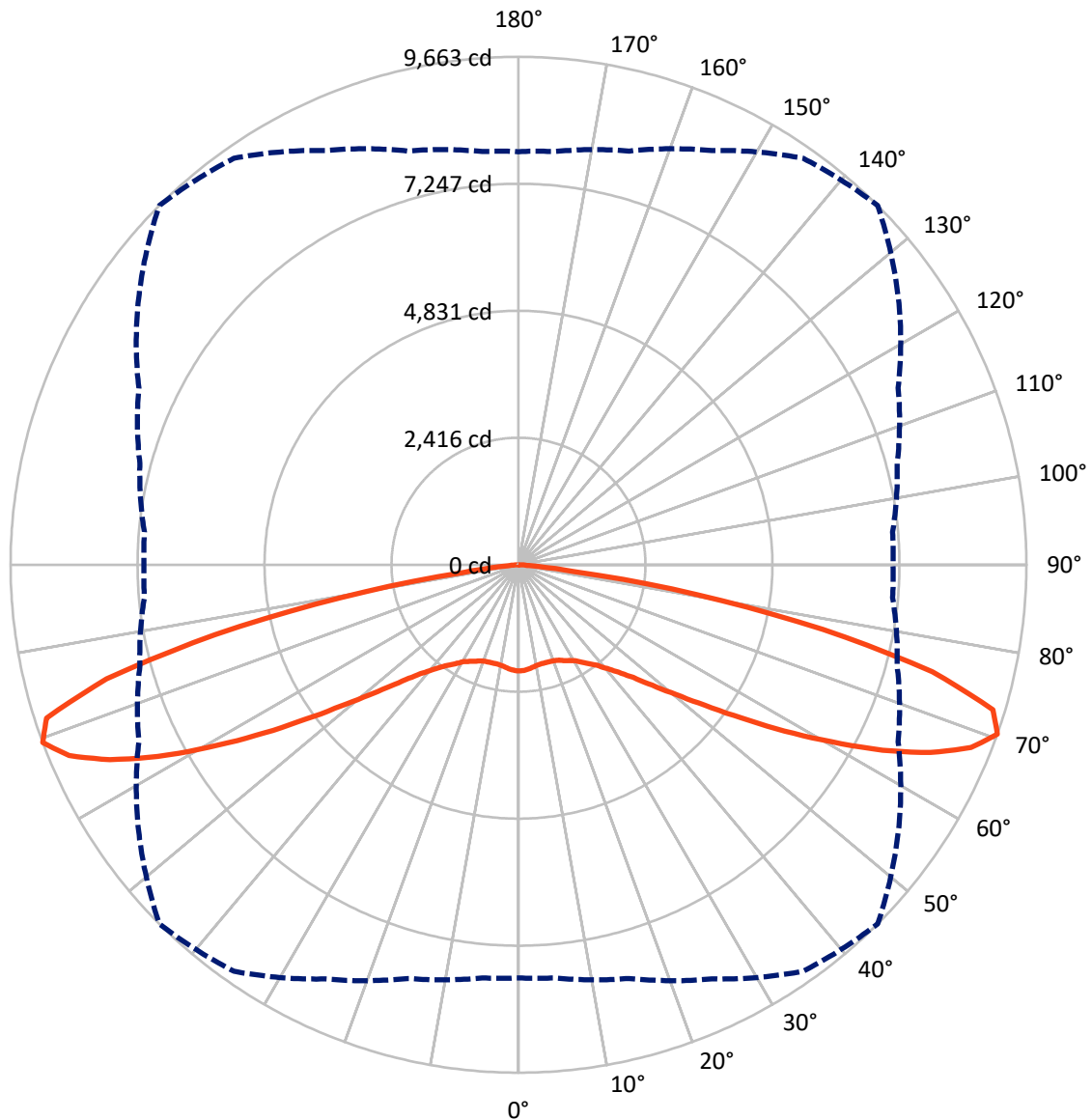
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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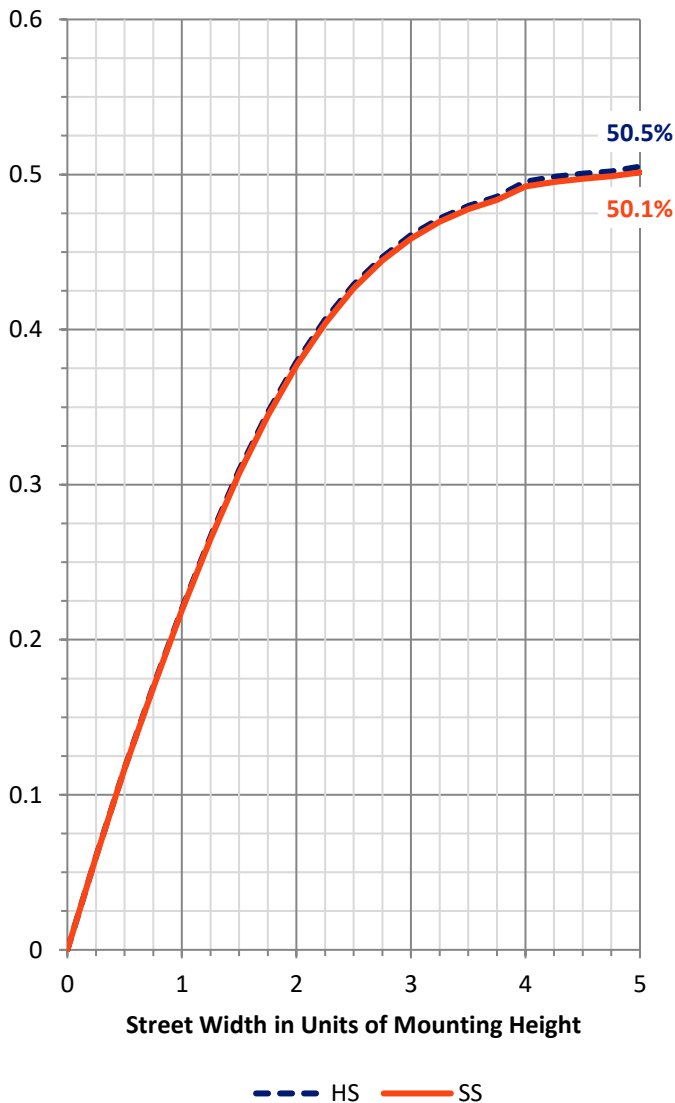
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11934.6	0.0	11934.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11934.6	0.0	11934.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23869.3	0.0	23869.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	0.8
10°-20°	553.3	2.3
20°-30°	942.6	3.9
30°-40°	1461.1	6.1
40°-50°	2459.2	10.3
50°-60°	4474.4	18.7
60°-70°	7575.0	31.7
70°-80°	5863.4	24.6
80°-90°	351.3	1.5
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°	23869.3	100.0
0°-180°	23869.3	100.0

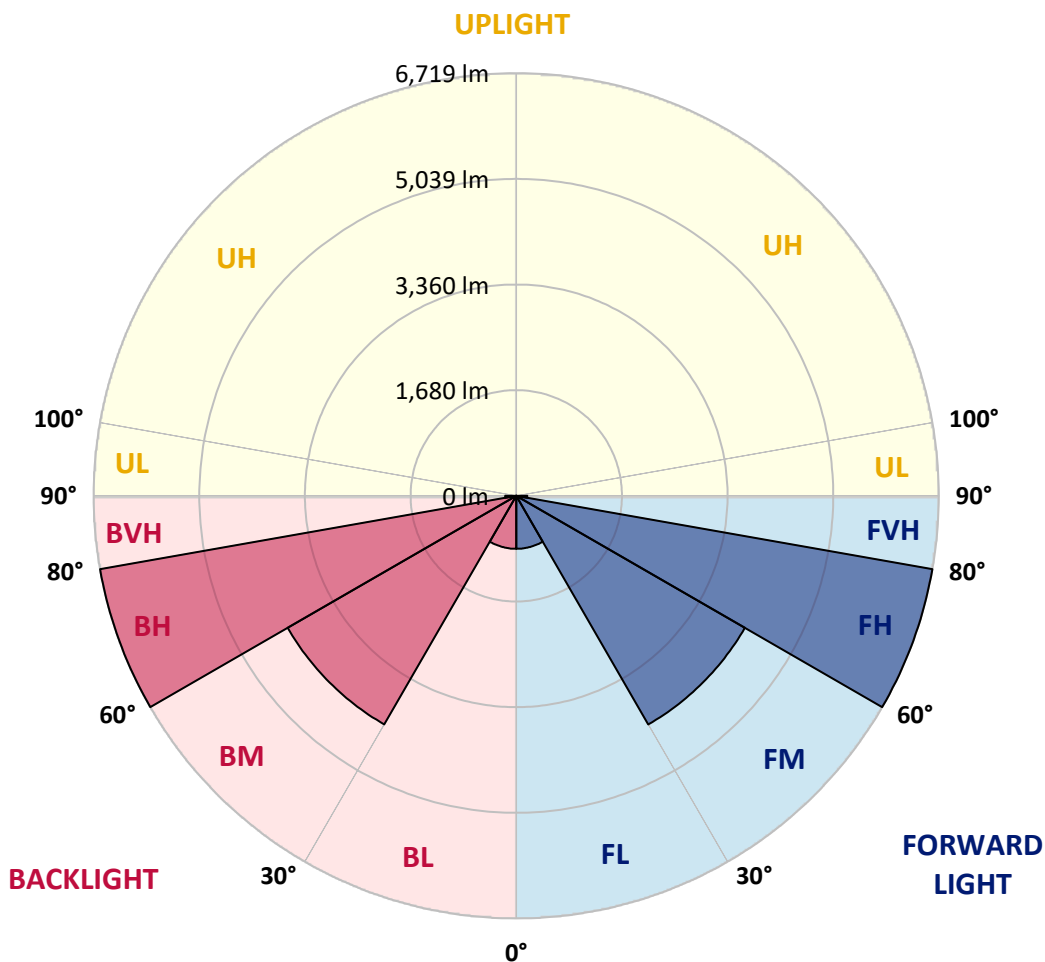


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.4	3.5			
FM (30°-60°)	4197.3	17.6			
FH (60°-80°)	6719.2	28.1			G3/7500
FVH (80°-90°)	175.7	0.7			G2/225
BL (0°-30°)	842.4	3.5	B2/1000		
BM (30°-60°)	4197.3	17.6	B3/5000		
BH (60°-80°)	6719.2	28.1	B5		G3/7500
BVH (80°-90°)	175.7	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8	2020.8
2.5°	2015.8	2017.1	2017.1	2014.5	2013.3	2013.3	2012.0	2012.0	2015.8	2017.1	2018.3
5°	1998.1	1998.1	1998.1	1996.9	1994.3	1994.3	1991.8	1991.8	1993.1	1996.9	1994.3
7.5°	1974.2	1976.7	1976.7	1971.6	1967.9	1967.9	1966.6	1967.9	1969.1	1972.9	1971.6
10°	1966.6	1967.9	1961.5	1952.7	1946.4	1942.6	1943.9	1946.4	1952.7	1955.2	1956.5
12.5°	1971.6	1971.6	1960.3	1947.7	1936.4	1931.4	1930.1	1938.8	1950.2	1957.8	1960.3
15°	1977.9	1975.4	1961.5	1945.1	1933.9	1932.6	1931.4	1937.7	1954.0	1969.1	1970.4
17.5°	1981.7	1980.5	1962.8	1942.6	1936.4	1936.4	1935.1	1940.1	1957.8	1976.7	1977.9
20°	1994.3	1990.6	1970.4	1948.9	1943.9	1946.4	1942.6	1948.9	1967.9	1990.6	1995.6
22.5°	2019.6	2015.8	1995.6	1974.2	1971.6	1971.6	1970.4	1976.7	1996.9	2020.8	2024.6
25°	2049.9	2046.1	2027.1	2012.0	2014.5	2019.6	2017.1	2018.3	2034.7	2054.9	2061.2
27.5°	2090.1	2083.8	2067.4	2054.9	2062.5	2062.5	2062.5	2061.2	2071.2	2090.1	2096.4
30°	2139.3	2136.8	2119.2	2117.9	2124.2	2117.9	2117.9	2119.2	2120.4	2138.1	2144.4
32.5°	2203.6	2198.5	2189.7	2187.3	2204.8	2209.9	2192.2	2175.9	2184.7	2202.3	2206.1
35°	2309.6	2302.0	2289.4	2275.5	2289.4	2313.3	2275.5	2262.9	2285.6	2309.6	2312.1
37.5°	2453.2	2449.4	2429.3	2404.1	2402.8	2428.1	2388.9	2387.7	2430.6	2459.5	2463.3
40°	2633.5	2637.3	2612.1	2588.1	2575.5	2595.7	2565.4	2576.7	2618.4	2651.2	2648.6
42.5°	2886.9	2873.0	2833.9	2811.3	2797.4	2789.8	2782.3	2799.9	2846.5	2881.9	2909.6
45°	3183.2	3178.1	3128.9	3101.2	3070.9	3059.6	3057.1	3088.6	3145.3	3188.2	3191.9
47.5°	3518.5	3507.1	3475.6	3446.6	3435.3	3421.4	3408.8	3432.8	3489.5	3519.8	3528.6
50°	3863.9	3866.4	3866.4	3861.4	3872.7	3875.2	3841.2	3850.0	3881.6	3879.0	3876.5
52.5°	4258.5	4272.4	4337.9	4344.2	4398.4	4435.0	4373.2	4336.6	4325.3	4257.2	4262.3
55°	4722.4	4735.0	4833.3	4931.7	5077.9	5139.7	5009.8	4896.4	4815.7	4712.3	4717.3
57.5°	5301.1	5307.4	5400.6	5589.7	5821.7	5966.6	5738.5	5514.1	5350.2	5251.9	5212.8
60°	5923.8	5930.1	6066.2	6297.0	6657.5	6834.0	6551.6	6184.8	5978.0	5828.0	5838.1
62.5°	6671.4	6696.5	6818.8	7136.6	7574.0	7771.9	7397.5	6907.1	6627.2	6440.6	6448.2
65°	7471.9	7514.8	7648.4	7997.6	8401.0	8614.0	8155.2	7589.1	7241.2	7013.0	7037.0
67.5°	7991.3	8029.1	8222.0	8607.7	9110.7	9287.2	8694.7	8035.4	7600.5	7328.1	7277.8
70°	7858.9	7890.4	8147.6	8694.7	9439.8	9662.9	8823.3	7969.8	7458.0	7144.1	7123.9
72.5°	6937.4	6871.8	7247.5	8032.9	9064.1	9438.5	8418.7	7279.0	6634.8	6312.1	6274.3
75°	4597.6	4740.0	5294.8	6220.0	7668.6	8132.5	7185.8	5844.4	5033.8	4765.3	4723.6
77.5°	1536.8	1646.4	2139.3	3526.1	5227.9	5925.1	5235.5	3822.3	2704.1	2178.4	2188.5
80°	407.2	402.2	520.7	969.4	2259.1	3431.5	2629.7	1294.7	708.5	513.1	486.6
82.5°	146.2	163.9	210.5	268.5	598.8	1066.5	752.6	363.1	266.0	196.6	190.3
85°	64.3	63.0	90.7	107.1	150.0	199.1	176.5	153.8	134.9	89.5	83.2
87.5°	13.9	13.9	21.4	16.4	26.5	26.5	32.8	39.1	40.4	26.5	21.4
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)