

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: P528094

Luminaire Tested: **GALN-SA3A-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528094
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-SA3A-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 615mA 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: 9771 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 93
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



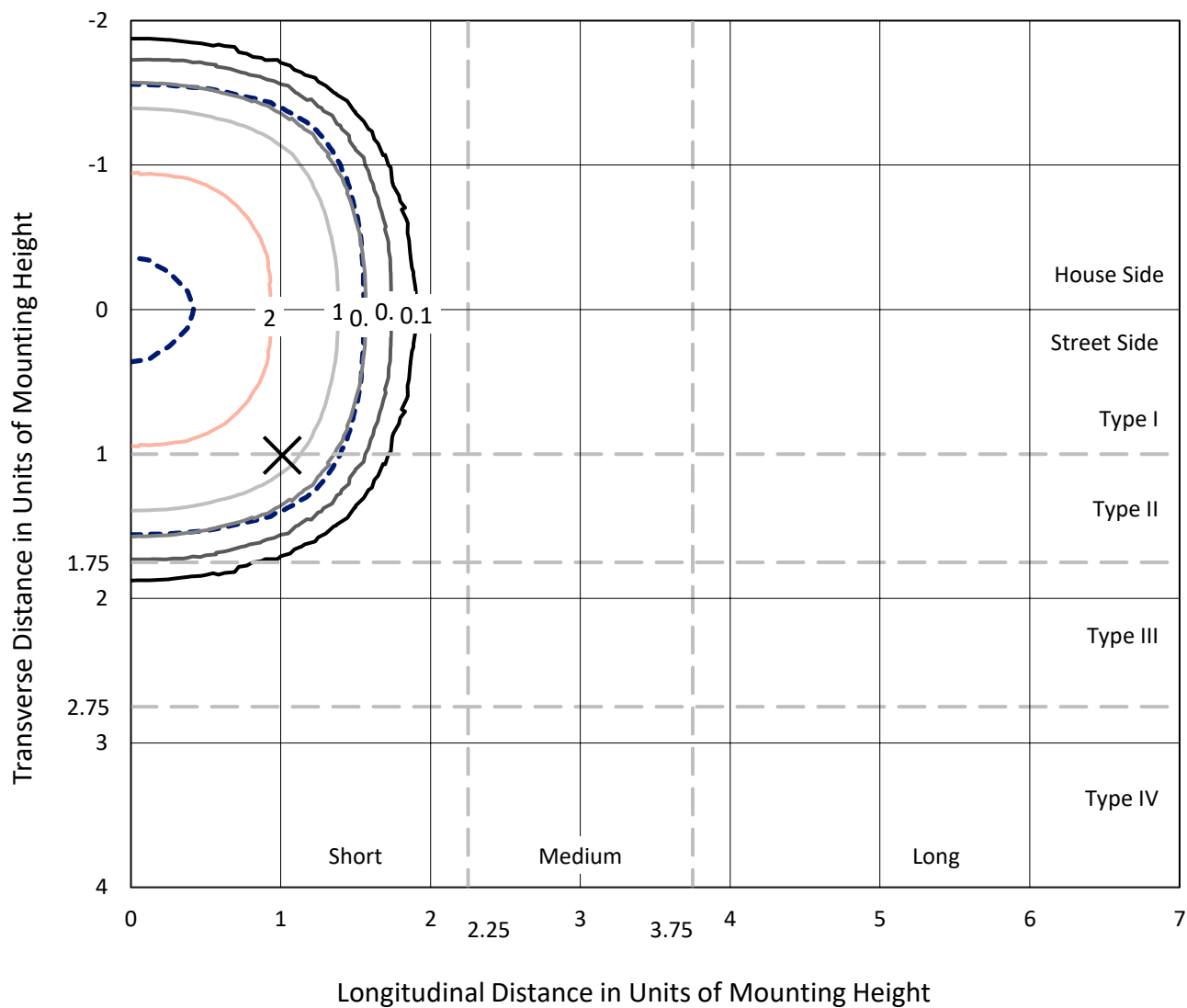
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

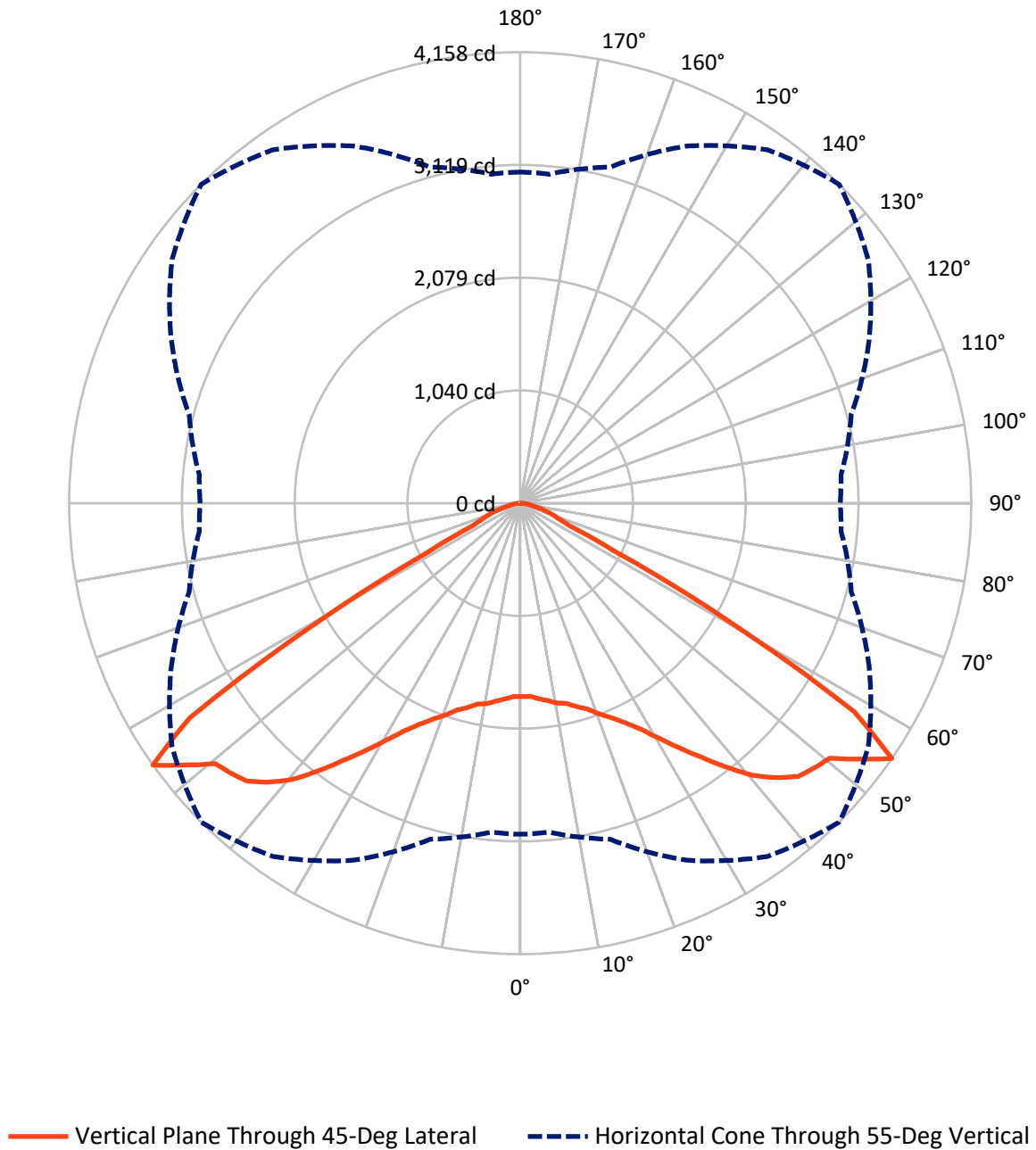
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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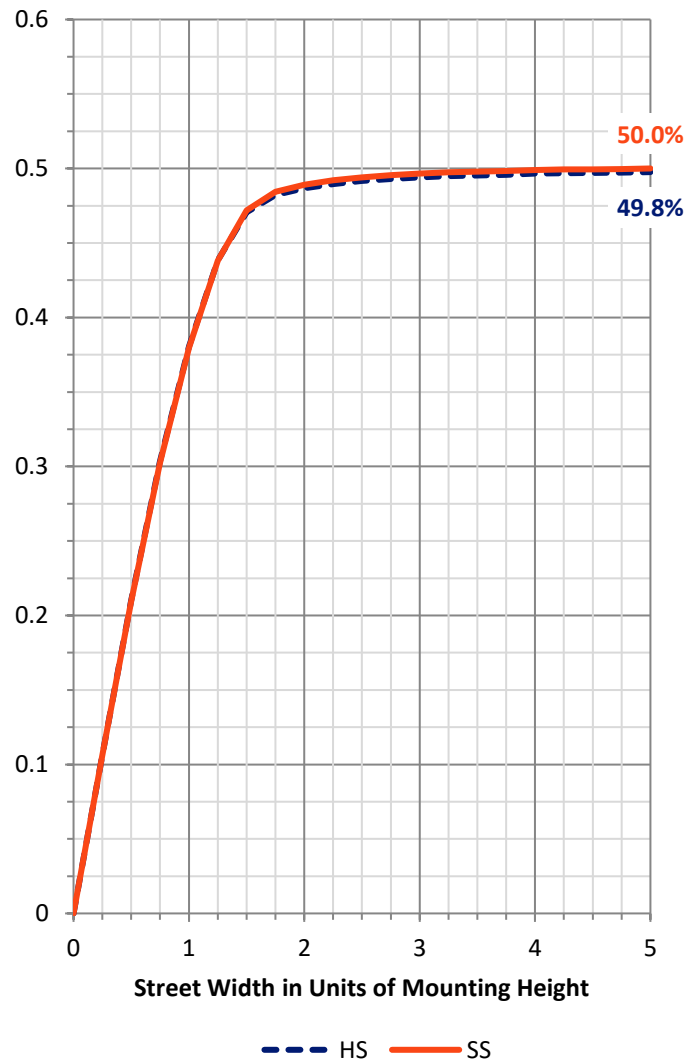
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4885.5	0.0	4885.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4885.5	0.0	4885.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9771.0	0.0	9771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	1.8
10°-20°	552.2	5.7
20°-30°	1029.7	10.5
30°-40°	1724.1	17.6
40°-50°	2682.8	27.5
50°-60°	2785.6	28.5
60°-70°	590.7	6.0
70°-80°	194.5	2.0
80°-90°	37.1	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°	9771.0	100.0
0°-180°	9771.0	100.0

Coefficient of Utilization



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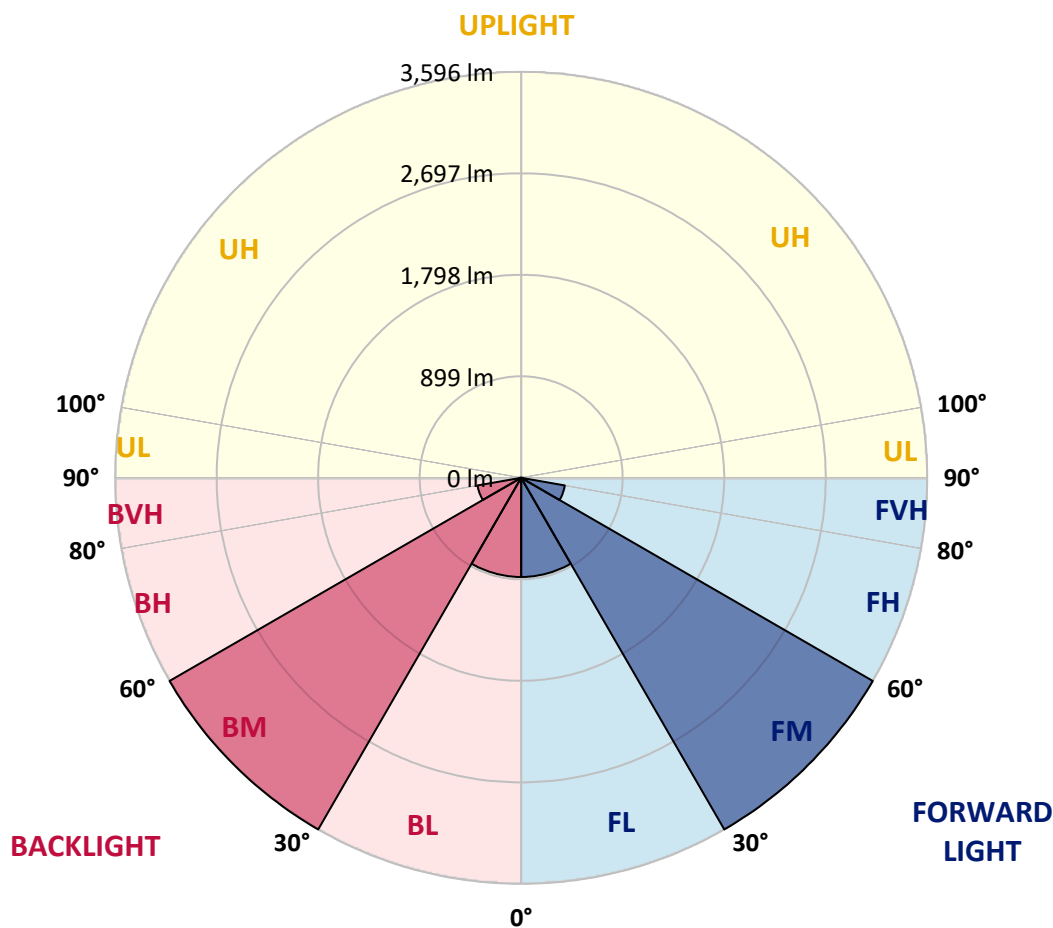
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	878.1	9.0			
FM	(30°-60°)	3596.2	36.8			
FH	(60°-80°)	392.6	4.0			G0/660
FVH	(80°-90°)	18.5	0.2			G1/100
BL	(0°-30°)	878.1	9.0	B2/1000		
BM	(30°-60°)	3596.2	36.8	B3/5000		
BH	(60°-80°)	392.6	4.0	B1/500		G0/660
BVH	(80°-90°)	18.5	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°	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0	1784.0
2.5°	1805.3	1797.0	1782.9	1793.5	1801.7	1784.0	1791.1	1794.7	1792.3	1782.9	1786.4
5°	1831.3	1826.5	1814.7	1823.0	1812.4	1812.4	1805.3	1795.8	1810.0	1807.7	1813.6
7.5°	1831.3	1825.4	1849.0	1833.6	1838.4	1838.4	1826.5	1817.1	1824.2	1813.6	1807.7
10°	1867.9	1876.1	1865.5	1869.0	1866.7	1875.0	1857.2	1851.3	1845.4	1841.9	1834.8
12.5°	1911.6	1905.7	1909.2	1906.8	1915.1	1893.8	1883.2	1870.2	1880.9	1865.5	1876.1
15°	1947.0	1943.4	1947.0	1956.4	1948.2	1947.0	1928.1	1915.1	1898.6	1902.1	1885.6
17.5°	1995.4	1991.8	1993.0	2001.3	2000.1	1994.2	1980.0	1955.2	1949.3	1939.9	1929.3
20°	2067.4	2061.5	2059.1	2062.7	2068.6	2073.3	2045.0	2035.5	2015.5	2000.1	1982.4
22.5°	2128.8	2126.4	2135.9	2120.5	2133.5	2147.7	2120.5	2115.8	2066.2	2058.0	2039.1
25°	2213.8	2210.3	2204.4	2226.8	2242.2	2241.0	2215.0	2189.0	2151.2	2141.8	2141.8
27.5°	2303.5	2283.5	2314.2	2320.1	2347.2	2355.5	2333.1	2295.3	2259.9	2239.8	2244.5
30°	2415.7	2396.8	2403.9	2446.4	2481.8	2512.5	2455.9	2400.4	2350.8	2315.4	2309.5
32.5°	2527.9	2509.0	2530.2	2571.6	2642.4	2688.5	2633.0	2536.1	2478.3	2426.3	2437.0
35°	2618.8	2633.0	2667.2	2729.8	2803.0	2877.4	2788.8	2714.4	2631.8	2573.9	2582.2
37.5°	2765.2	2808.9	2836.0	2908.1	3012.0	3088.7	2996.6	2899.8	2811.2	2735.7	2709.7
40°	2956.5	2986.0	3016.7	3101.7	3224.5	3301.2	3213.9	3087.5	3000.2	2922.2	2918.7
42.5°	3166.6	3195.0	3226.9	3330.8	3404.0	3461.8	3381.5	3314.2	3217.4	3156.0	3152.5
45°	3411.0	3391.0	3426.4	3494.9	3556.3	3594.1	3542.1	3509.0	3439.4	3382.7	3376.8
47.5°	3574.0	3556.3	3620.0	3681.4	3690.9	3649.5	3660.2	3690.9	3617.7	3524.4	3553.9
50°	3668.4	3668.4	3710.9	3767.6	3749.9	3696.8	3780.6	3783.0	3709.8	3627.1	3627.1
52.5°	3504.3	3540.9	3661.4	3846.7	3905.8	3921.1	3902.2	3821.9	3630.7	3461.8	3453.5
55°	3053.3	3045.0	3208.0	3633.0	3976.6	4158.4	3917.6	3548.0	3159.6	2969.5	2950.6
57.5°	1985.9	1995.4	2238.6	2671.9	3291.8	3630.7	3224.5	2705.0	2238.6	1976.5	2001.3
60°	893.8	925.7	1073.3	1396.8	1929.3	2205.5	1934.0	1467.6	1126.4	977.6	990.6
62.5°	513.6	519.5	525.4	623.4	821.8	971.7	853.6	658.8	580.9	554.9	554.9
65°	433.3	429.8	431.0	439.2	460.5	491.2	478.2	460.5	462.8	460.5	456.9
67.5°	368.4	373.1	369.6	375.5	376.6	381.4	389.6	396.7	397.9	400.3	397.9
70°	302.3	303.4	305.8	310.5	311.7	315.2	327.1	333.0	336.5	336.5	341.2
72.5°	231.4	230.2	232.6	237.3	243.2	244.4	255.0	263.3	268.0	262.1	263.3
75°	152.3	153.5	157.0	160.6	168.8	177.1	180.6	188.9	190.1	192.5	186.6
77.5°	90.9	93.3	96.8	103.9	111.0	118.1	126.3	132.2	134.6	132.2	125.2
80°	59.0	59.0	63.8	69.7	77.9	83.8	88.6	93.3	96.8	93.3	90.9
82.5°	36.6	36.6	42.5	49.6	55.5	59.0	66.1	72.0	75.6	73.2	69.7
85°	18.9	20.1	24.8	30.7	35.4	37.8	36.6	33.1	29.5	28.3	26.0
87.5°	5.9	5.9	7.1	7.1	5.9	5.9	7.1	5.9	7.1	7.1	7.1
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)