

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: P527912

Luminaire Tested: **GALN-SA3A-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527912
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-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 10284 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

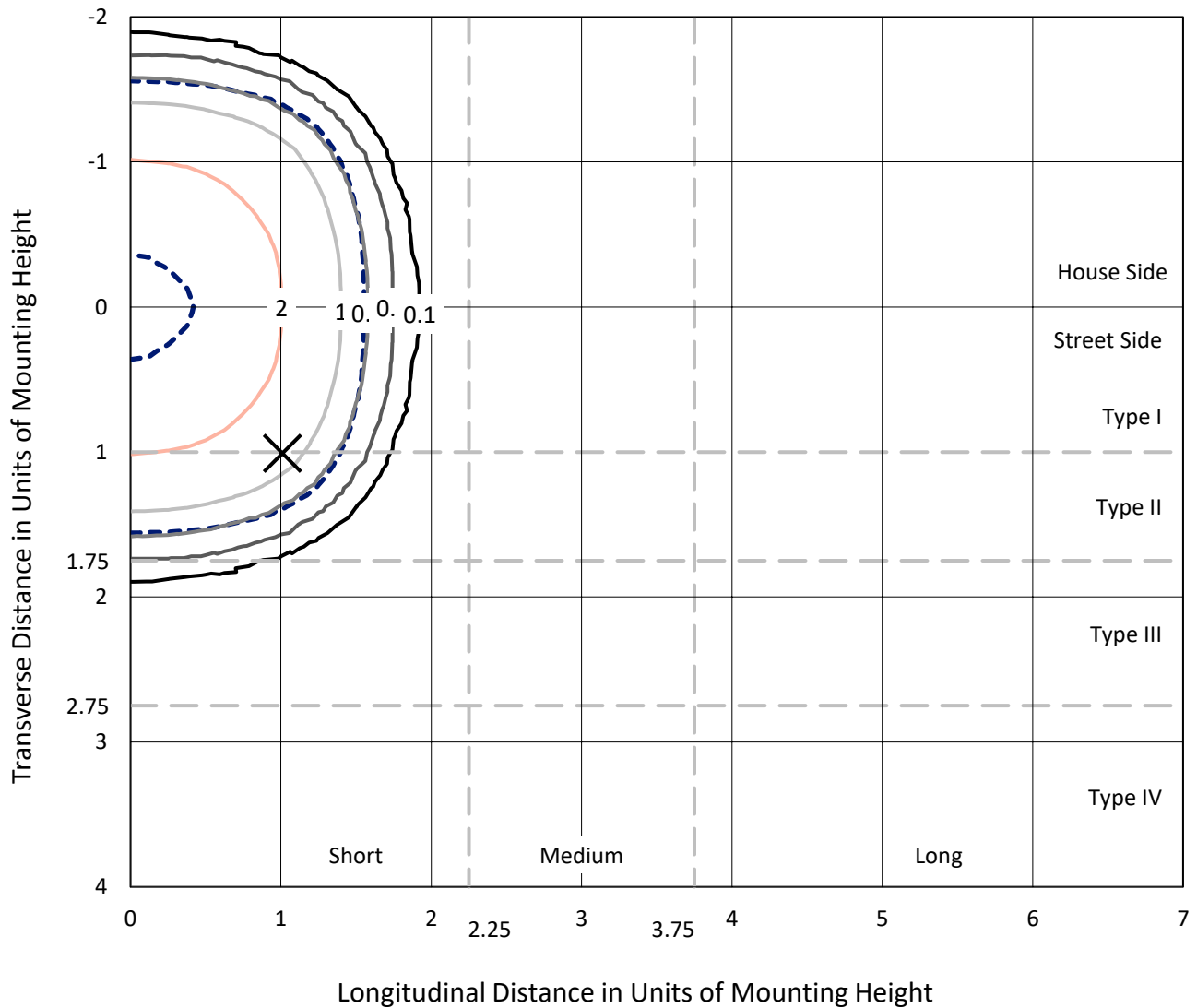
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

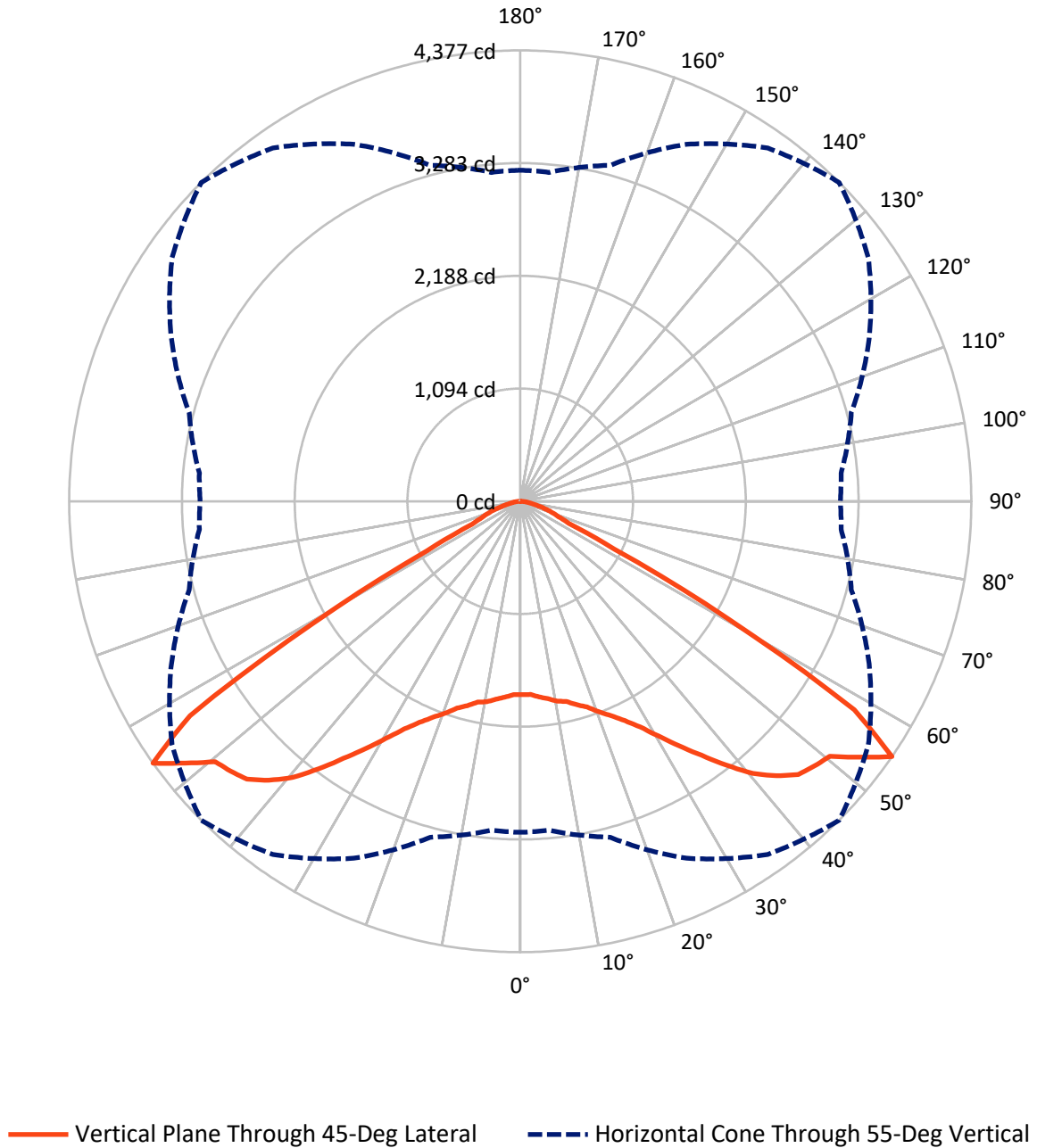
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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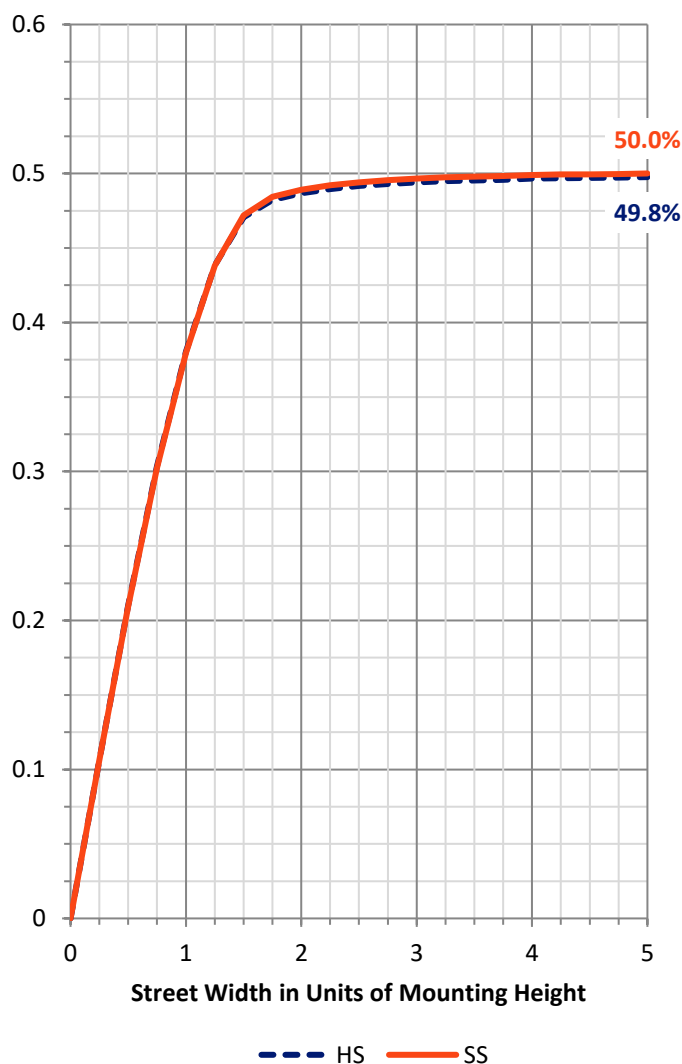
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5142.0	0.0	5142.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5142.0	0.0	5142.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10284.0	0.0	10284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.4	1.8
10°-20°	581.2	5.7
20°-30°	1083.8	10.5
30°-40°	1814.6	17.6
40°-50°	2823.6	27.5
50°-60°	2931.8	28.5
60°-70°	621.7	6.0
70°-80°	204.8	2.0
80°-90°	39.0	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°	10284.0	100.0
0°-180°	10284.0	100.0

Coefficient of Utilization

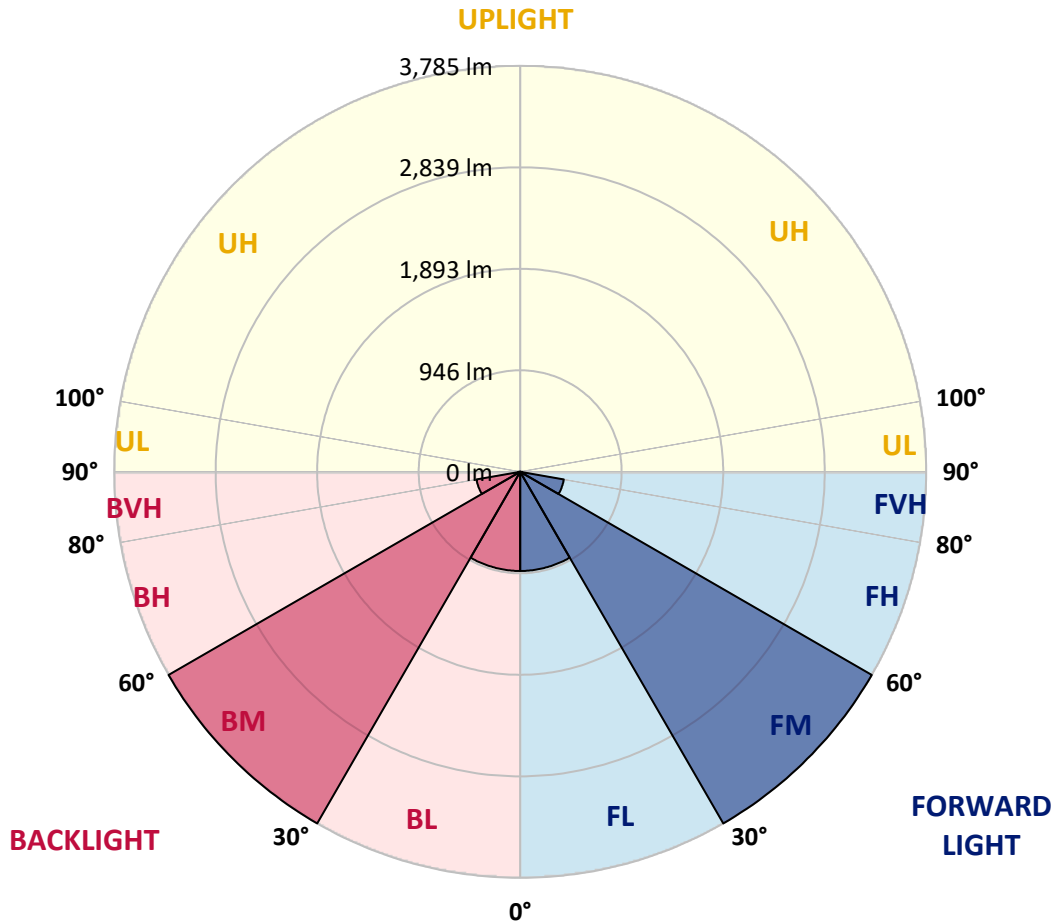


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.2	9.0			
FM (30°-60°)	3785.0	36.8			
FH (60°-80°)	413.3	4.0			G0/660
FVH (80°-90°)	19.5	0.2			G1/100
BL (0°-30°)	924.2	9.0	B2/1000		
BM (30°-60°)	3785.0	36.8	B3/5000		
BH (60°-80°)	413.3	4.0	B1/500		G0/660
BVH (80°-90°)	19.5	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°	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7	1877.7
2.5°	1900.1	1891.4	1876.5	1887.6	1896.3	1877.7	1885.2	1888.9	1886.4	1876.5	1880.2
5°	1927.4	1922.4	1910.0	1918.7	1907.5	1907.5	1900.1	1890.1	1905.0	1902.6	1908.8
7.5°	1927.4	1921.2	1946.1	1929.9	1934.9	1934.9	1922.4	1912.5	1920.0	1908.8	1902.6
10°	1965.9	1974.6	1963.5	1967.2	1964.7	1973.4	1954.8	1948.5	1942.3	1938.6	1931.1
12.5°	2011.9	2005.7	2009.4	2006.9	2015.6	1993.3	1982.1	1968.4	1979.6	1963.5	1974.6
15°	2049.2	2045.5	2049.2	2059.1	2050.4	2049.2	2029.3	2015.6	1998.2	2002.0	1984.6
17.5°	2100.1	2096.4	2097.7	2106.4	2105.1	2098.9	2084.0	2057.9	2051.7	2041.7	2030.6
20°	2176.0	2169.7	2167.3	2171.0	2177.2	2182.2	2152.3	2142.4	2121.3	2105.1	2086.5
22.5°	2240.6	2238.1	2248.0	2231.9	2245.5	2260.5	2231.9	2226.9	2174.7	2166.0	2146.1
25°	2330.0	2326.3	2320.1	2343.7	2359.9	2358.6	2331.3	2303.9	2264.2	2254.2	2254.2
27.5°	2424.5	2403.4	2435.7	2441.9	2470.5	2479.2	2455.6	2415.8	2378.5	2357.4	2362.4
30°	2542.5	2522.7	2530.1	2574.9	2612.1	2644.4	2584.8	2526.4	2474.2	2436.9	2430.7
32.5°	2660.6	2640.7	2663.1	2706.6	2781.1	2829.6	2771.2	2669.3	2608.4	2553.7	2564.9
35°	2756.3	2771.2	2807.2	2873.1	2950.1	3028.4	2935.2	2856.9	2770.0	2709.1	2717.8
37.5°	2910.4	2956.4	2984.9	3060.7	3170.1	3250.9	3153.9	3052.0	2958.8	2879.3	2852.0
40°	3111.7	3142.8	3175.1	3264.5	3393.8	3474.6	3382.6	3249.6	3157.7	3075.7	3071.9
42.5°	3332.9	3362.7	3396.3	3505.6	3582.7	3643.6	3559.1	3488.2	3386.3	3321.7	3318.0
45°	3590.1	3569.0	3606.3	3678.4	3743.0	3782.7	3728.1	3693.3	3620.0	3560.3	3554.1
47.5°	3761.6	3743.0	3810.1	3874.7	3884.6	3841.2	3852.3	3884.6	3807.6	3709.4	3740.5
50°	3861.0	3861.0	3905.8	3965.4	3946.8	3890.9	3979.1	3981.6	3904.5	3817.5	3817.5
52.5°	3688.3	3726.8	3853.6	4048.7	4110.8	4127.0	4107.1	4022.6	3821.3	3643.6	3634.9
55°	3213.6	3204.9	3376.4	3823.8	4185.4	4376.8	4123.2	3734.3	3325.4	3125.4	3105.5
57.5°	2090.2	2100.1	2356.1	2812.2	3464.6	3821.3	3393.8	2847.0	2356.1	2080.3	2106.4
60°	940.7	974.3	1129.6	1470.1	2030.6	2321.3	2035.5	1544.7	1185.5	1028.9	1042.6
62.5°	540.6	546.8	553.0	656.1	864.9	1022.7	898.5	693.4	611.4	584.1	584.1
65°	456.1	452.3	453.6	462.3	484.6	517.0	503.3	484.6	487.1	484.6	480.9
67.5°	387.7	392.7	389.0	395.2	396.4	401.4	410.1	417.5	418.8	421.3	418.8
70°	318.1	319.4	321.9	326.8	328.1	331.8	344.2	350.4	354.2	354.2	359.1
72.5°	243.6	242.3	244.8	249.8	256.0	257.2	268.4	277.1	282.1	275.9	277.1
75°	160.3	161.5	165.3	169.0	177.7	186.4	190.1	198.8	200.1	202.6	196.3
77.5°	95.7	98.2	101.9	109.4	116.8	124.3	133.0	139.2	141.7	139.2	131.7
80°	62.1	62.1	67.1	73.3	82.0	88.2	93.2	98.2	101.9	98.2	95.7
82.5°	38.5	38.5	44.7	52.2	58.4	62.1	69.6	75.8	79.5	77.0	73.3
85°	19.9	21.1	26.1	32.3	37.3	39.8	38.5	34.8	31.1	29.8	27.3
87.5°	6.2	6.2	7.5	7.5	6.2	6.2	7.5	6.2	7.5	7.5	7.5
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)