

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: P527940

Luminaire Tested: **GALN-SA3A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527940
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-SA3A-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 10547 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

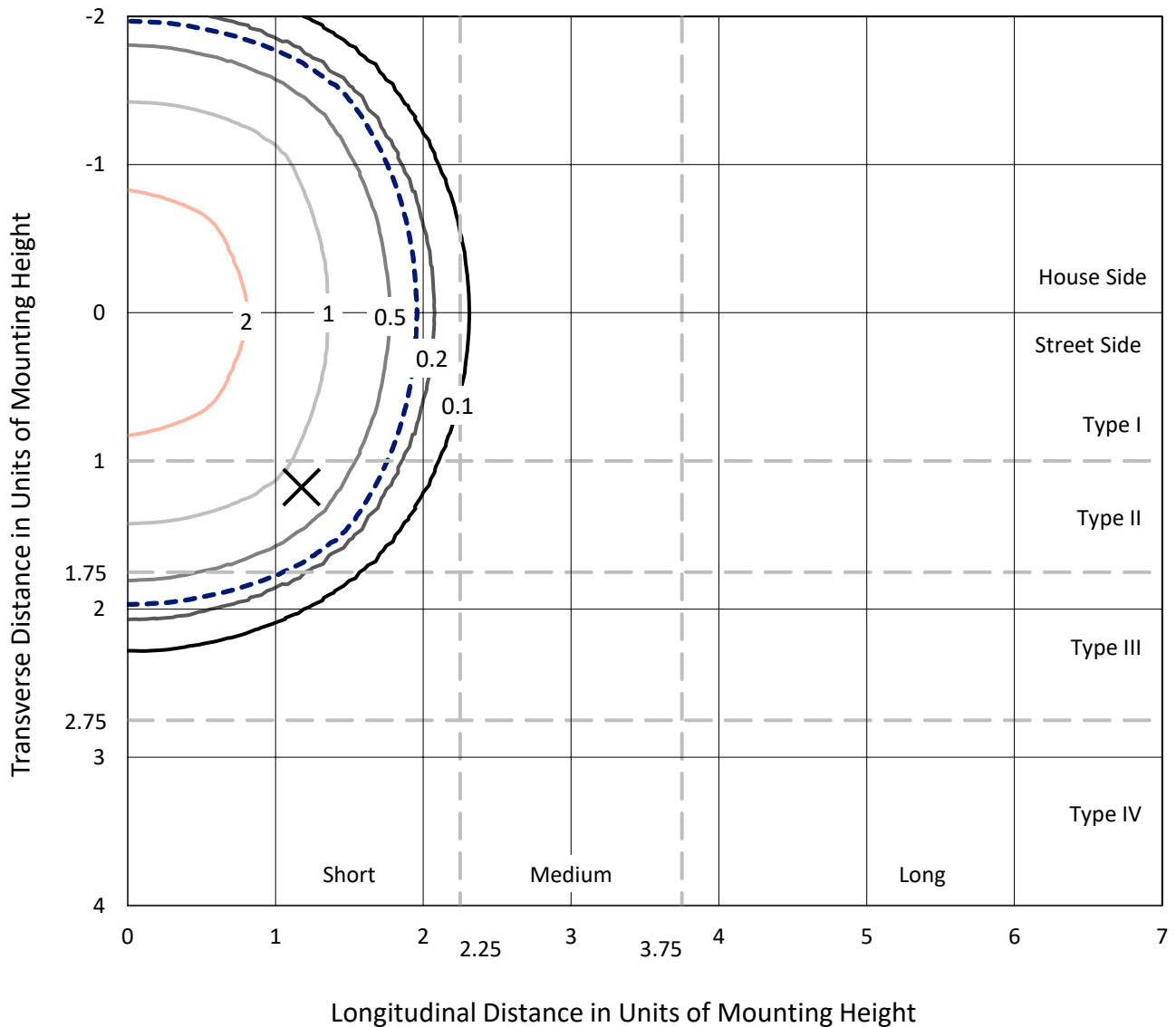
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

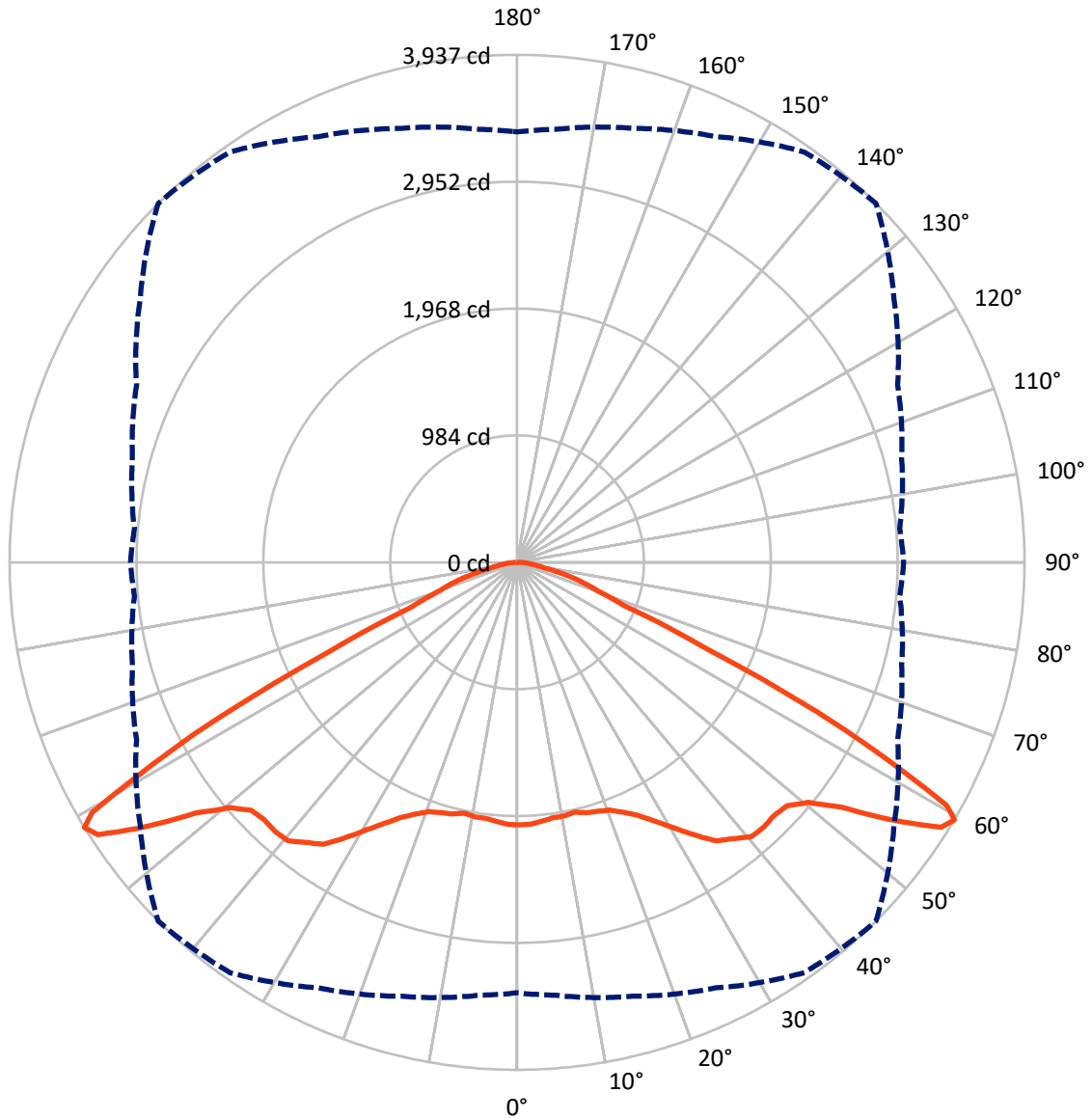
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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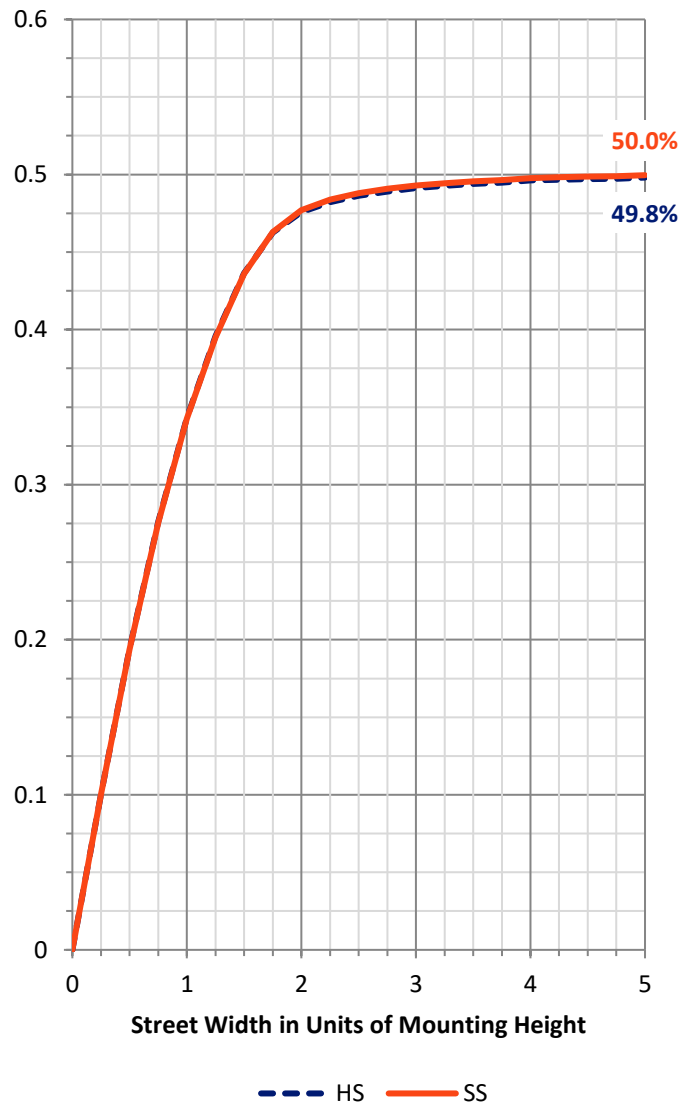
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5273.5	0.0	5273.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5273.5	0.0	5273.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10547.0	0.0	10547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.0	1.8
10°-20°	571.1	5.4
20°-30°	997.2	9.5
30°-40°	1592.7	15.1
40°-50°	2169.5	20.6
50°-60°	2933.8	27.8
60°-70°	1608.9	15.3
70°-80°	411.6	3.9
80°-90°	70.2	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°	10547.0	100.0
0°-180°	10547.0	100.0

Coefficient of Utilization

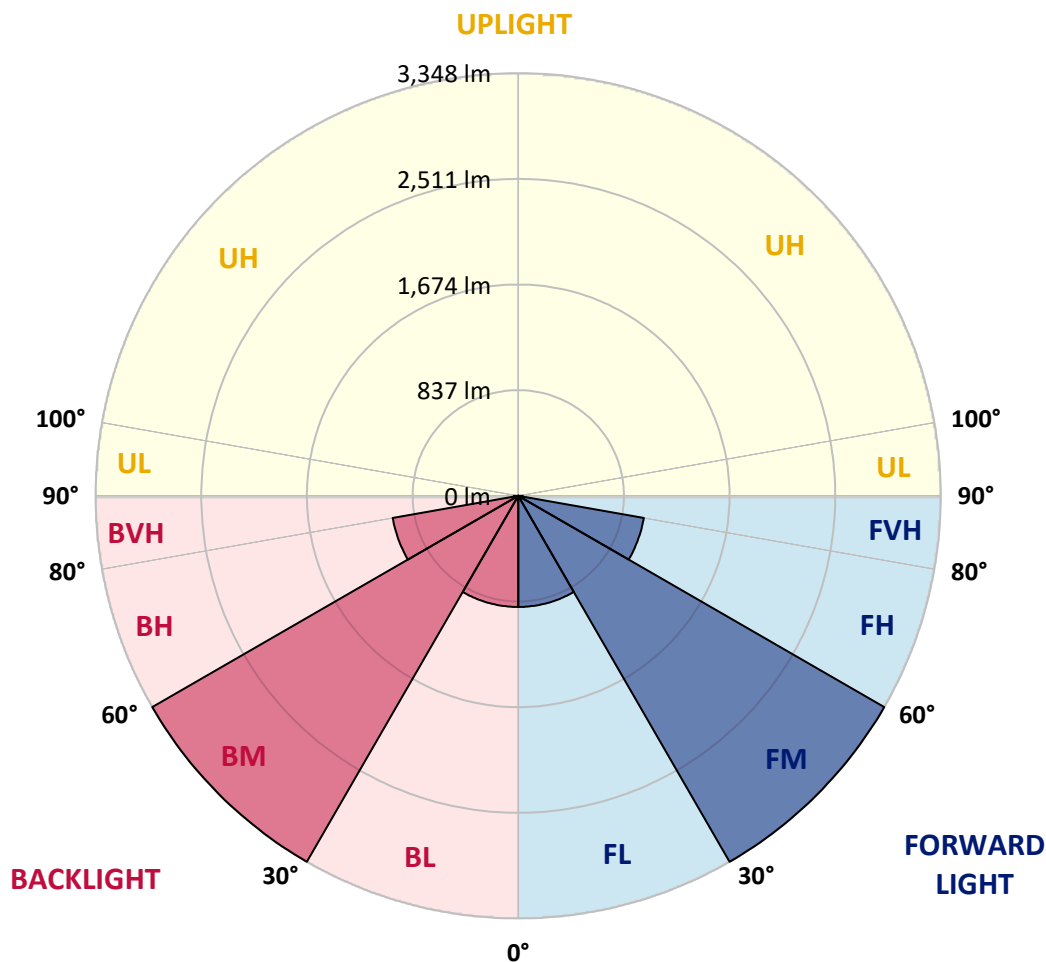


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.2	8.3			
FM (30°-60°)	3348.0	31.7			
FH (60°-80°)	1010.2	9.6			G1/1800
FVH (80°-90°)	35.1	0.3			G1/100
BL (0°-30°)	880.2	8.3	B2/1000		
BM (30°-60°)	3348.0	31.7	B3/5000		
BH (60°-80°)	1010.2	9.6	B3/2500		G1/1800
BVH (80°-90°)	35.1	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°	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2	2037.2
2.5°	2025.0	2039.9	2029.1	2038.5	2037.2	2033.1	2026.4	2022.3	2016.9	2025.0	2011.5
5°	2016.9	2029.1	2041.2	2025.0	2025.0	2016.9	2012.8	2004.7	2004.7	2003.4	2002.0
7.5°	2030.4	2018.3	2012.8	2015.5	2018.3	2000.7	2012.8	1996.6	1983.1	1992.6	2003.4
10°	2018.3	2023.7	2003.4	2012.8	1998.0	2000.7	1992.6	2003.4	1988.5	1988.5	1988.5
12.5°	2030.4	2015.5	2022.3	2015.5	2011.5	1988.5	1999.3	1987.2	1985.8	1999.3	1987.2
15°	2054.7	2030.4	2025.0	2011.5	2015.5	2015.5	2004.7	2006.1	1991.2	1999.3	2002.0
17.5°	2046.6	2033.1	2029.1	2012.8	2026.4	2030.4	2010.1	1996.6	2006.1	2004.7	2003.4
20°	2053.4	2058.8	2054.7	2057.5	2062.9	2052.0	2033.1	2014.2	2002.0	2019.6	2018.3
22.5°	2096.7	2091.2	2088.5	2085.8	2095.3	2106.1	2080.4	2050.7	2050.7	2062.9	2068.3
25°	2131.8	2130.5	2129.1	2141.3	2173.7	2173.7	2141.3	2103.4	2094.0	2102.1	2095.3
27.5°	2183.2	2198.0	2192.6	2214.3	2261.6	2272.4	2229.1	2184.5	2158.8	2149.4	2161.5
30°	2300.8	2283.2	2287.3	2310.2	2352.1	2387.3	2321.1	2273.7	2238.6	2237.2	2242.7
32.5°	2379.2	2392.7	2404.9	2426.5	2492.7	2519.8	2440.0	2363.0	2341.3	2329.2	2333.2
35°	2536.0	2523.8	2521.1	2542.8	2609.0	2653.6	2553.6	2486.0	2457.6	2484.6	2484.6
37.5°	2684.7	2650.9	2625.2	2653.6	2714.4	2719.8	2634.7	2598.2	2583.3	2614.4	2613.0
40°	2755.0	2752.3	2692.8	2709.0	2790.1	2798.2	2718.5	2675.2	2672.5	2713.1	2753.6
42.5°	2828.0	2802.3	2742.8	2753.6	2803.7	2806.4	2730.7	2718.5	2748.2	2787.4	2790.1
45°	2840.2	2818.5	2780.7	2753.6	2790.1	2798.2	2753.6	2761.7	2764.4	2811.8	2811.8
47.5°	2864.5	2861.8	2840.2	2819.9	2826.6	2819.9	2791.5	2803.7	2844.2	2867.2	2856.4
50°	2932.1	2903.7	2925.3	2907.7	2909.1	2928.0	2902.3	2914.5	2906.4	2886.1	2872.6
52.5°	3080.8	3067.3	3086.2	3098.3	3111.9	3155.1	3125.4	3060.5	2999.7	2945.6	2944.2
55°	3298.4	3307.9	3344.4	3406.6	3459.3	3528.2	3384.9	3229.5	3132.1	3047.0	3052.4
57.5°	3503.9	3497.1	3547.1	3689.1	3843.2	3878.3	3597.2	3375.5	3217.3	3163.2	3140.3
59°	3339.0	3371.4	3485.0	3643.1	3885.1	3936.5	3568.8	3256.5	3088.9	2979.4	2998.3
60°	3079.4	3091.6	3193.0	3413.3	3740.5	3828.3	3378.2	3072.7	2849.6	2786.1	2814.5
62.5°	2176.4	2166.9	2239.9	2419.7	2713.1	2832.0	2511.7	2296.7	2156.1	2085.8	2102.1
65°	1157.1	1200.4	1230.1	1342.3	1497.8	1623.5	1491.0	1397.8	1319.4	1261.2	1259.9
67.5°	781.3	775.9	782.7	808.4	861.1	896.2	893.5	846.2	839.5	828.7	840.8
70°	658.3	655.6	643.5	643.5	654.3	662.4	671.8	677.3	688.1	701.6	700.2
72.5°	534.0	527.2	519.1	515.0	528.6	532.6	544.8	550.2	559.6	558.3	570.5
75°	352.8	352.8	362.3	373.1	377.2	385.3	386.6	402.8	402.8	405.5	394.7
77.5°	197.4	192.0	198.7	209.5	219.0	233.9	248.7	260.9	267.7	265.0	265.0
80°	114.9	114.9	121.7	133.8	146.0	159.5	170.3	179.8	186.5	183.8	178.4
82.5°	71.6	71.6	78.4	90.6	100.0	108.1	123.0	135.2	143.3	140.6	133.8
85°	36.5	36.5	44.6	52.7	64.9	70.3	68.9	63.5	62.2	55.4	55.4
87.5°	9.5	9.5	13.5	14.9	12.2	13.5	13.5	13.5	13.5	13.5	14.9
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)