

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: P528304

Luminaire Tested: **GALN-SA3B-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528304
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-SA3B-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 800mA 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: 10594 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

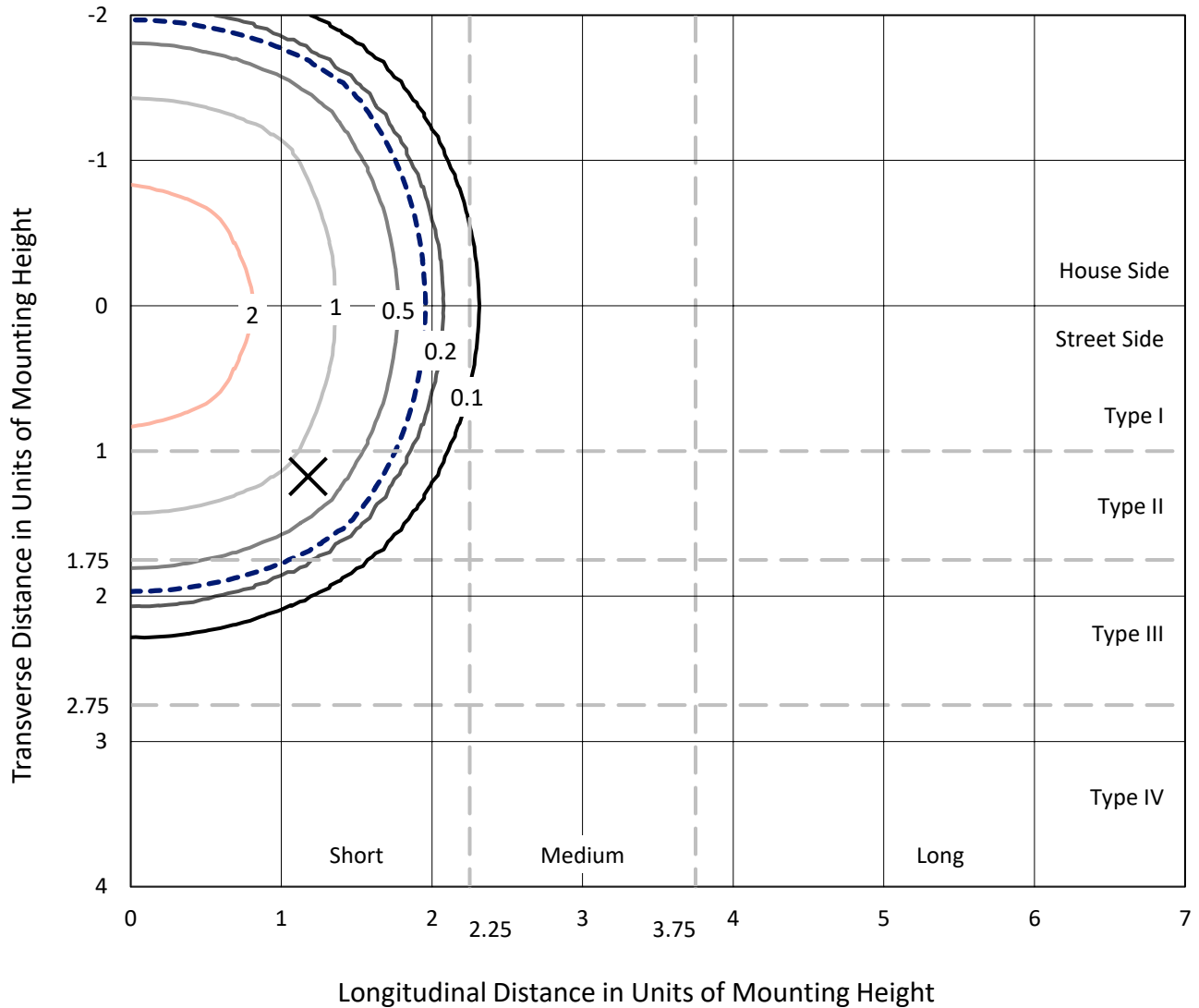
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

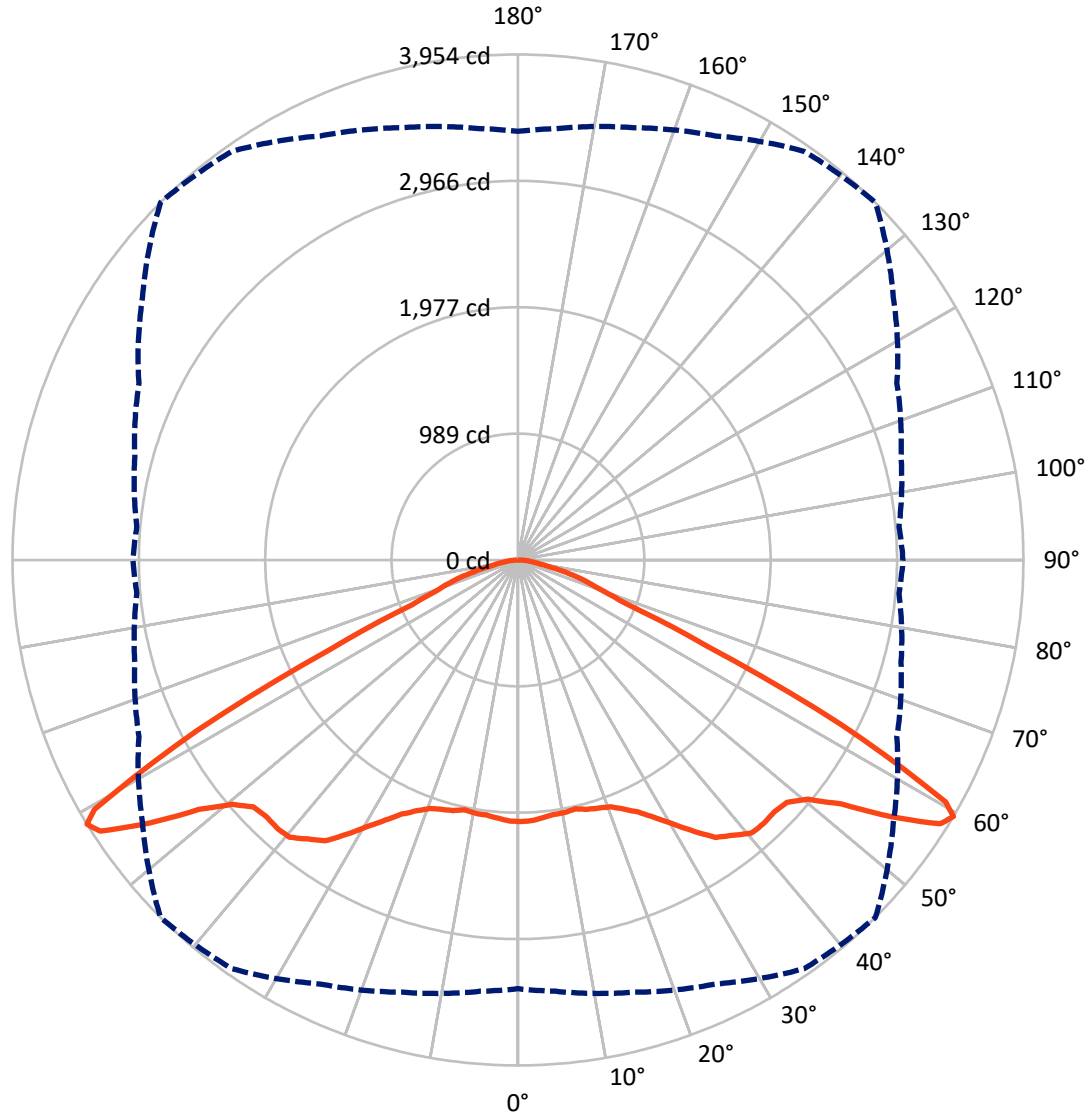
× Max cd
 - - - 1/2 Max cd



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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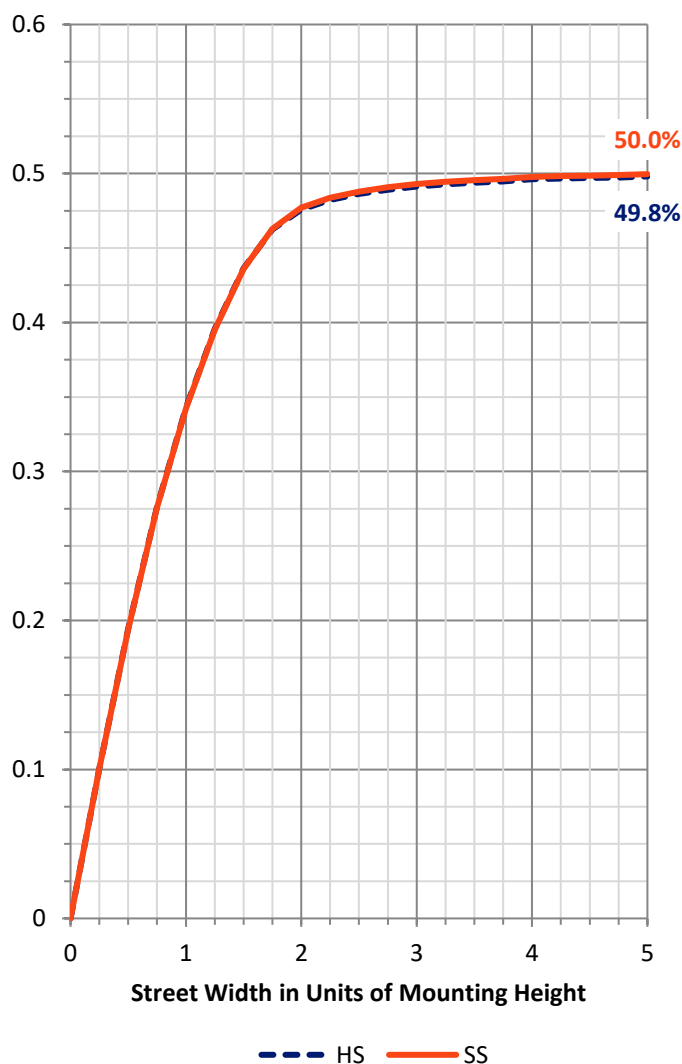
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5297.0	0.0	5297.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5297.0	0.0	5297.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10594.0	0.0	10594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	1.8
10°-20°	573.6	5.4
20°-30°	1001.6	9.5
30°-40°	1599.8	15.1
40°-50°	2179.2	20.6
50°-60°	2946.9	27.8
60°-70°	1616.1	15.3
70°-80°	413.4	3.9
80°-90°	70.5	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°	10594.0	100.0
0°-180°	10594.0	100.0

Coefficient of Utilization



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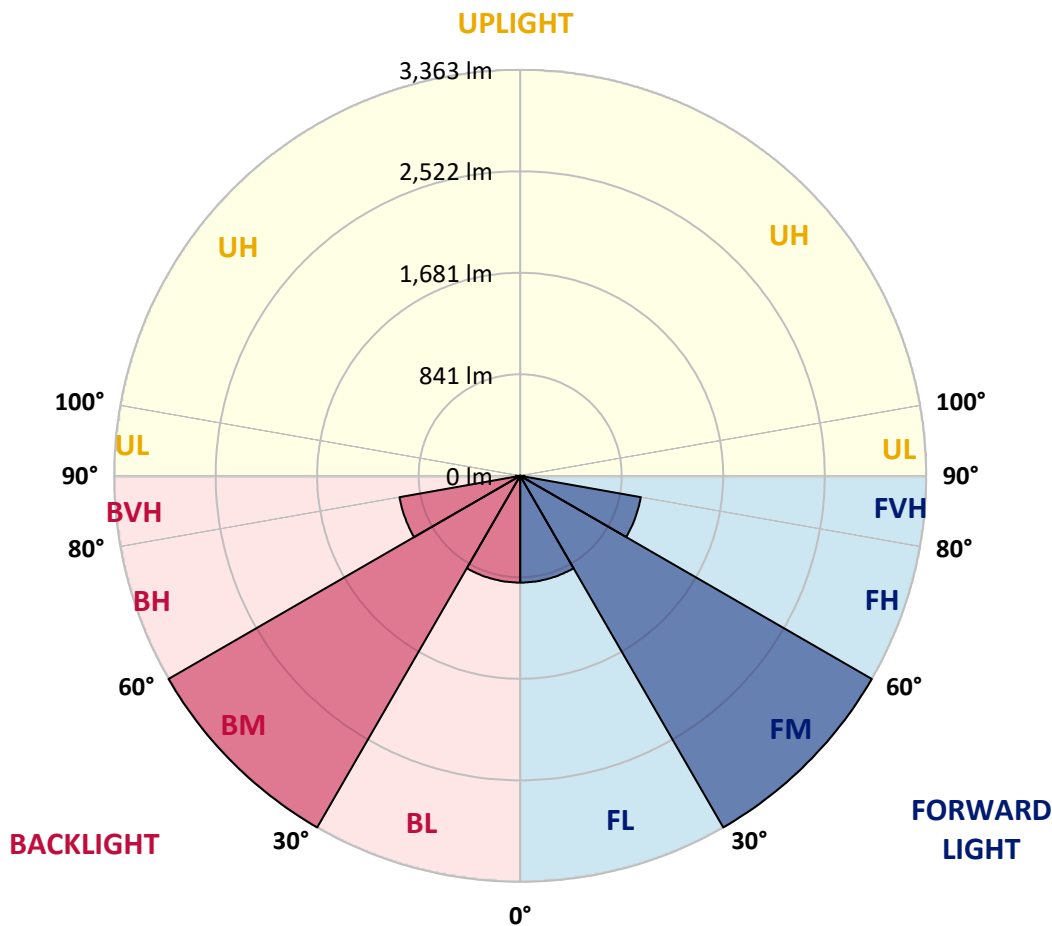
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.1	8.3			
FM (30°-60°)	3362.9	31.7			
FH (60°-80°)	1014.7	9.6			G1/1800
FVH (80°-90°)	35.3	0.3			G1/100
BL (0°-30°)	884.1	8.3	B2/1000		
BM (30°-60°)	3362.9	31.7	B3/5000		
BH (60°-80°)	1014.7	9.6	B3/2500		G1/1800
BVH (80°-90°)	35.3	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°	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3	2046.3
2.5°	2034.0	2049.0	2038.1	2047.6	2046.3	2042.2	2035.4	2031.3	2025.9	2034.0	2020.5
5°	2025.9	2038.1	2050.3	2034.0	2034.0	2025.9	2021.8	2013.7	2013.7	2012.3	2011.0
7.5°	2039.5	2027.2	2021.8	2024.5	2027.2	2009.6	2021.8	2005.5	1991.9	2001.4	2012.3
10°	2027.2	2032.7	2012.3	2021.8	2006.9	2009.6	2001.4	2012.3	1997.4	1997.4	1997.4
12.5°	2039.5	2024.5	2031.3	2024.5	2020.5	1997.4	2008.2	1996.0	1994.7	2008.2	1996.0
15°	2063.9	2039.5	2034.0	2020.5	2024.5	2024.5	2013.7	2015.0	2000.1	2008.2	2011.0
17.5°	2055.8	2042.2	2038.1	2021.8	2035.4	2039.5	2019.1	2005.5	2015.0	2013.7	2012.3
20°	2062.5	2068.0	2063.9	2066.6	2072.1	2061.2	2042.2	2023.2	2011.0	2028.6	2027.2
22.5°	2106.0	2100.6	2097.9	2095.1	2104.6	2115.5	2089.7	2059.8	2059.8	2072.1	2077.5
25°	2141.3	2139.9	2138.6	2150.8	2183.4	2183.4	2150.8	2112.8	2103.3	2111.4	2104.6
27.5°	2192.9	2207.8	2202.4	2224.1	2271.7	2282.5	2239.1	2194.3	2168.5	2159.0	2171.2
30°	2311.0	2293.4	2297.5	2320.5	2362.6	2397.9	2331.4	2283.9	2248.6	2247.2	2252.6
32.5°	2389.8	2403.4	2415.6	2437.3	2503.8	2531.0	2450.9	2373.5	2351.8	2339.5	2343.6
35°	2547.3	2535.1	2532.4	2554.1	2620.6	2665.4	2564.9	2497.1	2468.5	2495.7	2495.7
37.5°	2696.7	2662.7	2636.9	2665.4	2726.5	2732.0	2646.4	2609.8	2594.8	2626.0	2624.7
40°	2767.3	2764.5	2704.8	2721.1	2802.6	2810.7	2730.6	2687.2	2684.4	2725.2	2765.9
42.5°	2840.6	2814.8	2755.0	2765.9	2816.1	2818.9	2742.8	2730.6	2760.5	2799.9	2802.6
45°	2852.8	2831.1	2793.1	2765.9	2802.6	2810.7	2765.9	2774.1	2776.8	2824.3	2824.3
47.5°	2877.2	2874.5	2852.8	2832.4	2839.2	2832.4	2803.9	2816.1	2856.9	2880.0	2869.1
50°	2945.1	2916.6	2938.4	2920.7	2922.1	2941.1	2915.3	2927.5	2919.3	2899.0	2885.4
52.5°	3094.5	3080.9	3099.9	3112.2	3125.7	3169.2	3139.3	3074.1	3013.0	2958.7	2957.4
55°	3313.1	3322.6	3359.3	3421.7	3474.7	3543.9	3400.0	3243.9	3146.1	3060.6	3066.0
57.5°	3519.5	3512.7	3563.0	3705.5	3860.3	3895.6	3613.2	3390.5	3231.6	3177.3	3154.2
59°	3353.8	3386.4	3500.5	3659.4	3902.4	3954.0	3584.7	3271.0	3102.6	2992.7	3011.7
60°	3093.1	3105.4	3207.2	3428.5	3757.1	3845.4	3393.2	3086.4	2862.3	2798.5	2827.0
62.5°	2186.1	2176.6	2249.9	2430.5	2725.2	2844.7	2522.9	2307.0	2165.7	2095.1	2111.4
65°	1162.3	1205.8	1235.6	1348.3	1504.5	1630.8	1497.7	1404.0	1325.2	1266.9	1265.5
67.5°	784.8	779.4	786.2	812.0	864.9	900.2	897.5	850.0	843.2	832.4	844.6
70°	661.3	658.5	646.3	646.3	657.2	665.3	674.8	680.3	691.1	704.7	703.4
72.5°	536.3	529.6	521.4	517.3	530.9	535.0	547.2	552.6	562.1	560.8	573.0
75°	354.4	354.4	363.9	374.8	378.8	387.0	388.3	404.6	404.6	407.3	396.5
77.5°	198.2	192.8	199.6	210.5	220.0	234.9	249.8	262.1	268.9	266.1	266.1
80°	115.4	115.4	122.2	134.4	146.6	160.2	171.1	180.6	187.4	184.7	179.2
82.5°	72.0	72.0	78.8	91.0	100.5	108.6	123.6	135.8	143.9	141.2	134.4
85°	36.7	36.7	44.8	53.0	65.2	70.6	69.2	63.8	62.5	55.7	55.7
87.5°	9.5	9.5	13.6	14.9	12.2	13.6	13.6	13.6	13.6	13.6	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)