

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: P528044

Luminaire Tested: **GALN-SA3A-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528044
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-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 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: 11582 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

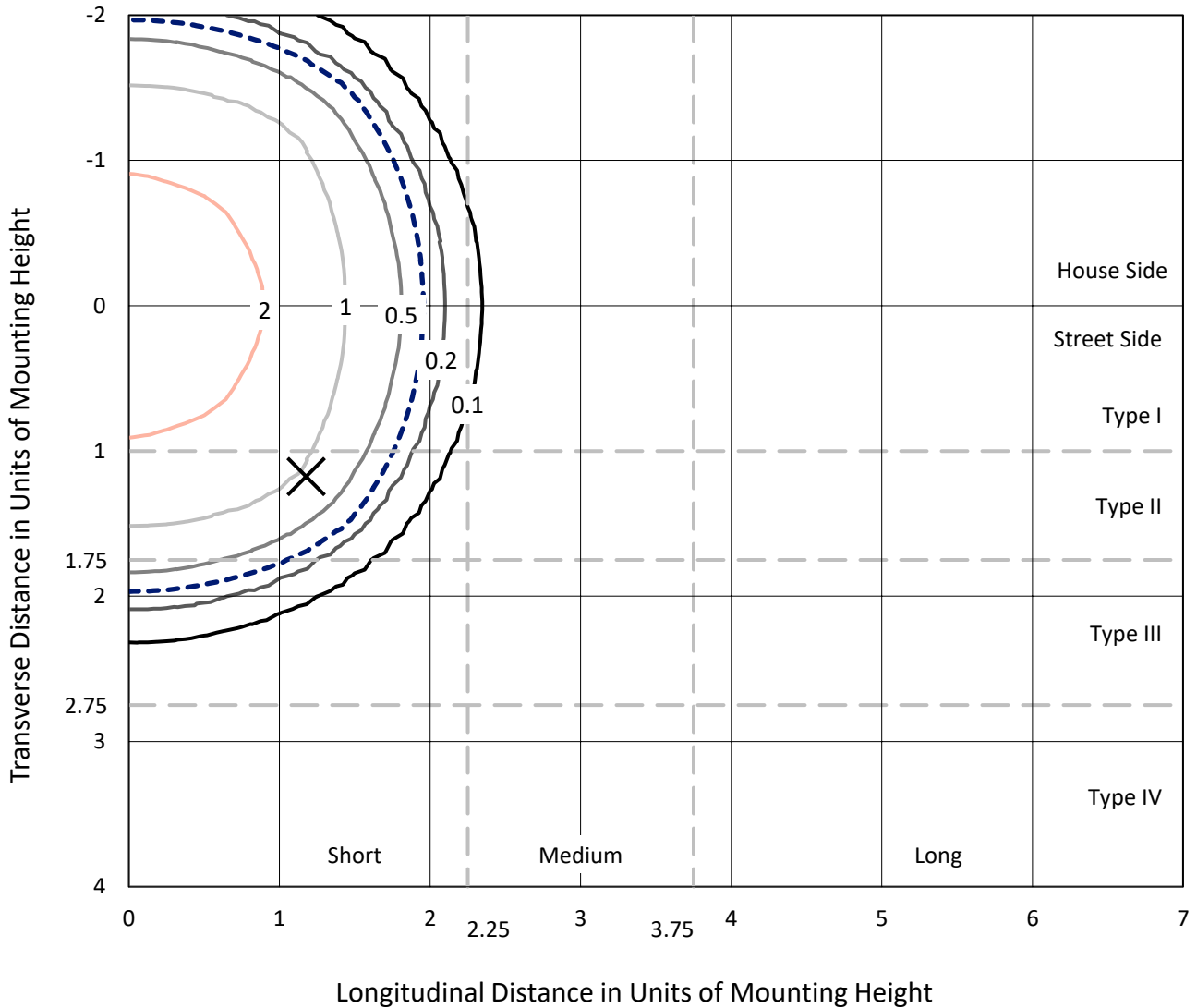
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

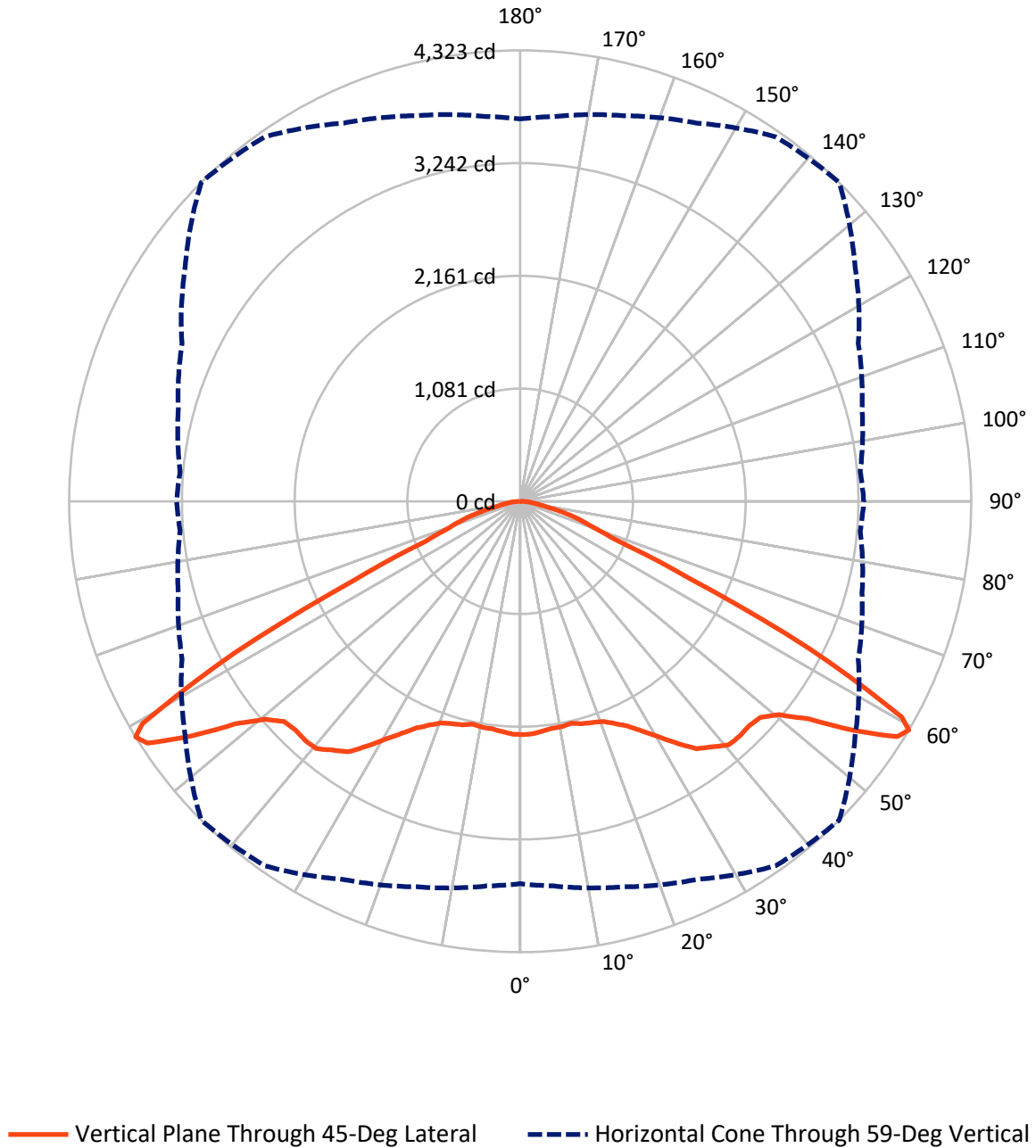
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	5791.0	0.0	5791.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5791.0	0.0	5791.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11582.0	0.0	11582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	1.8
10°-20°	627.1	5.4
20°-30°	1095.1	9.5
30°-40°	1749.0	15.1
40°-50°	2382.4	20.6
50°-60°	3221.7	27.8
60°-70°	1766.8	15.3
70°-80°	452.0	3.9
80°-90°	77.1	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°	11582.0	100.0
0°-180°	11582.0	100.0

Coefficient of Utilization



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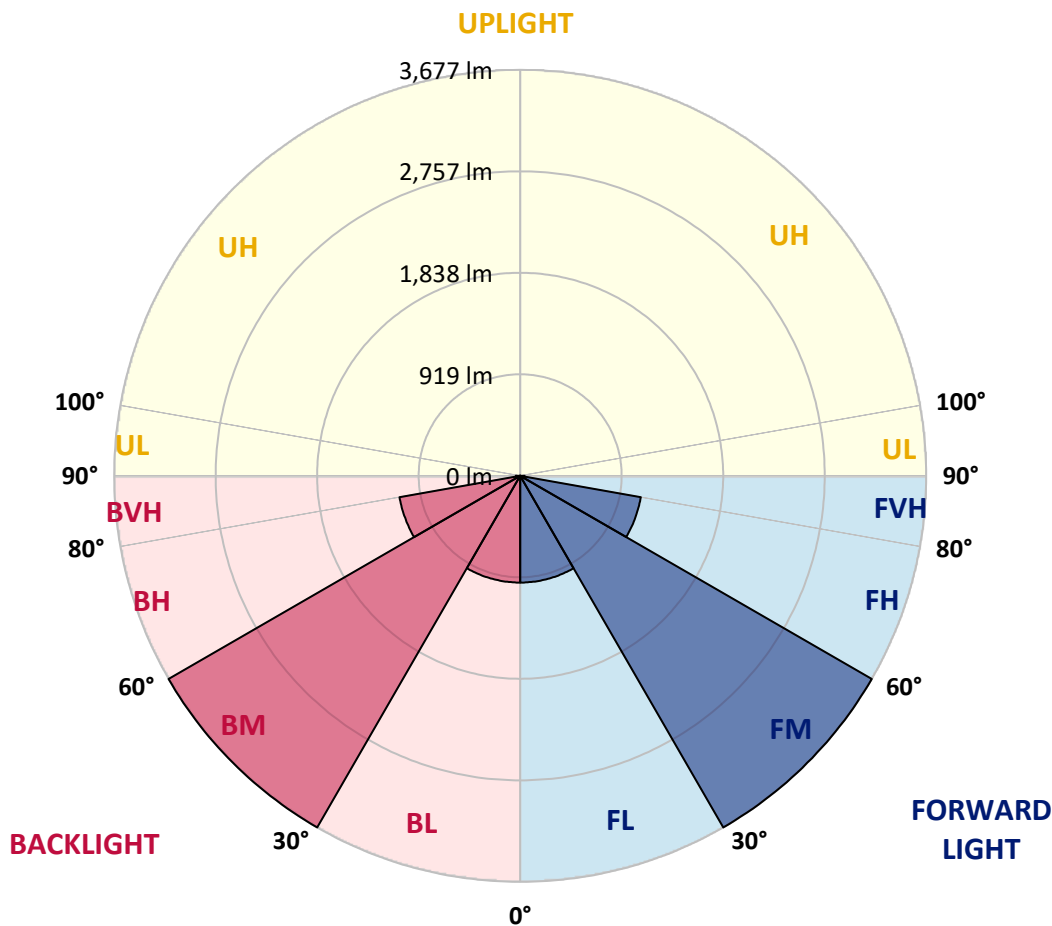
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.5	8.3			
FM (30°-60°)	3676.5	31.7			
FH (60°-80°)	1109.4	9.6			G1/1800
FVH (80°-90°)	38.5	0.3			G1/100
BL (0°-30°)	966.5	8.3	B2/1000		
BM (30°-60°)	3676.5	31.7	B3/5000		
BH (60°-80°)	1109.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	38.5	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°	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1	2237.1
2.5°	2223.7	2240.1	2228.2	2238.6	2237.1	2232.6	2225.2	2220.8	2214.8	2223.7	2208.9
5°	2214.8	2228.2	2241.5	2223.7	2223.7	2214.8	2210.4	2201.5	2201.5	2200.0	2198.5
7.5°	2229.7	2216.3	2210.4	2213.3	2216.3	2197.0	2210.4	2192.6	2177.7	2188.1	2200.0
10°	2216.3	2222.2	2200.0	2210.4	2194.0	2197.0	2188.1	2200.0	2183.6	2183.6	2183.6
12.5°	2229.7	2213.3	2220.8	2213.3	2208.9	2183.6	2195.5	2182.2	2180.7	2195.5	2182.2
15°	2256.4	2229.7	2223.7	2208.9	2213.3	2213.3	2201.5	2202.9	2186.6	2195.5	2198.5
17.5°	2247.5	2232.6	2228.2	2210.4	2225.2	2229.7	2207.4	2192.6	2202.9	2201.5	2200.0
20°	2254.9	2260.8	2256.4	2259.4	2265.3	2253.4	2232.6	2211.9	2198.5	2217.8	2216.3
22.5°	2302.4	2296.5	2293.5	2290.5	2300.9	2312.8	2284.6	2251.9	2251.9	2265.3	2271.2
25°	2341.0	2339.5	2338.0	2351.4	2387.0	2387.0	2351.4	2309.8	2299.4	2308.3	2300.9
27.5°	2397.4	2413.7	2407.8	2431.6	2483.5	2495.4	2447.9	2398.9	2370.7	2360.3	2373.7
30°	2526.6	2507.3	2511.7	2537.0	2583.0	2621.6	2548.8	2496.9	2458.3	2456.8	2462.7
32.5°	2612.7	2627.5	2640.9	2664.6	2737.4	2767.0	2679.5	2594.8	2571.1	2557.7	2562.2
35°	2784.9	2771.5	2768.5	2792.3	2865.0	2914.0	2804.2	2729.9	2698.8	2728.4	2728.4
37.5°	2948.1	2911.0	2882.8	2914.0	2980.8	2986.7	2893.2	2853.1	2836.8	2871.0	2869.5
40°	3025.3	3022.4	2957.1	2974.9	3063.9	3072.8	2985.3	2937.8	2934.8	2979.3	3023.9
42.5°	3105.5	3077.3	3012.0	3023.9	3078.8	3081.7	2998.6	2985.3	3017.9	3061.0	3063.9
45°	3118.9	3095.1	3053.5	3023.9	3063.9	3072.8	3023.9	3032.8	3035.7	3087.7	3087.7
47.5°	3145.6	3142.6	3118.9	3096.6	3104.0	3096.6	3065.4	3078.8	3123.3	3148.5	3136.7
50°	3219.8	3188.6	3212.4	3193.1	3194.6	3215.4	3187.1	3200.5	3191.6	3169.3	3154.5
52.5°	3383.1	3368.3	3389.0	3402.4	3417.2	3464.7	3432.1	3360.8	3294.0	3234.6	3233.2
55°	3622.1	3632.5	3672.6	3740.9	3798.7	3874.5	3717.1	3546.4	3439.5	3346.0	3351.9
57.5°	3847.7	3840.3	3895.2	4051.1	4220.3	4258.9	3950.2	3706.7	3533.0	3473.6	3448.4
59°	3666.6	3702.3	3827.0	4000.6	4266.4	4322.8	3919.0	3576.1	3392.0	3271.8	3292.5
60°	3381.6	3395.0	3506.3	3748.3	4107.5	4204.0	3709.7	3374.2	3129.3	3059.5	3090.7
62.5°	2390.0	2379.6	2459.8	2657.2	2979.3	3110.0	2758.1	2522.1	2367.7	2290.5	2308.3
65°	1270.7	1318.2	1350.9	1474.1	1644.8	1782.8	1637.4	1534.9	1448.8	1385.0	1383.5
67.5°	858.0	852.1	859.5	887.7	945.6	984.2	981.2	929.3	921.9	910.0	923.3
70°	722.9	720.0	706.6	706.6	718.5	727.4	737.8	743.7	755.6	770.4	769.0
72.5°	586.4	578.9	570.0	565.6	580.4	584.9	598.2	604.2	614.6	613.1	626.4
75°	387.4	387.4	397.8	409.7	414.2	423.1	424.6	442.4	442.4	445.3	433.5
77.5°	216.7	210.8	218.2	230.1	240.5	256.8	273.1	286.5	293.9	291.0	291.0
80°	126.2	126.2	133.6	147.0	160.3	175.2	187.0	197.4	204.9	201.9	195.9
82.5°	78.7	78.7	86.1	99.5	109.9	118.8	135.1	148.4	157.4	154.4	147.0
85°	40.1	40.1	49.0	57.9	71.3	77.2	75.7	69.8	68.3	60.9	60.9
87.5°	10.4	10.4	14.8	16.3	13.4	14.8	14.8	14.8	14.8	14.8	16.3
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)