

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: P651797

Luminaire Tested: **GALN-SA3A-840-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-840-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11461.1 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

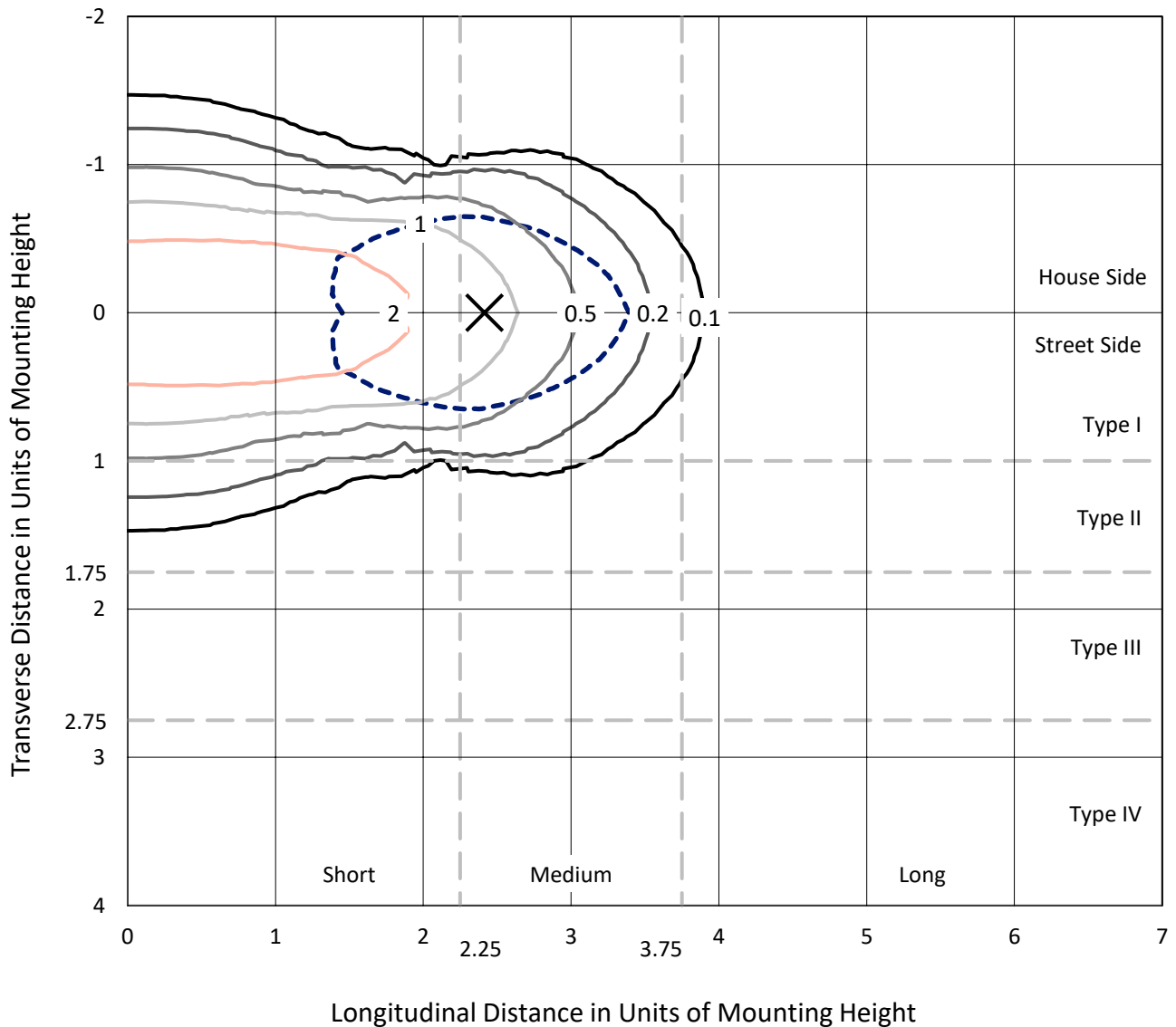
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

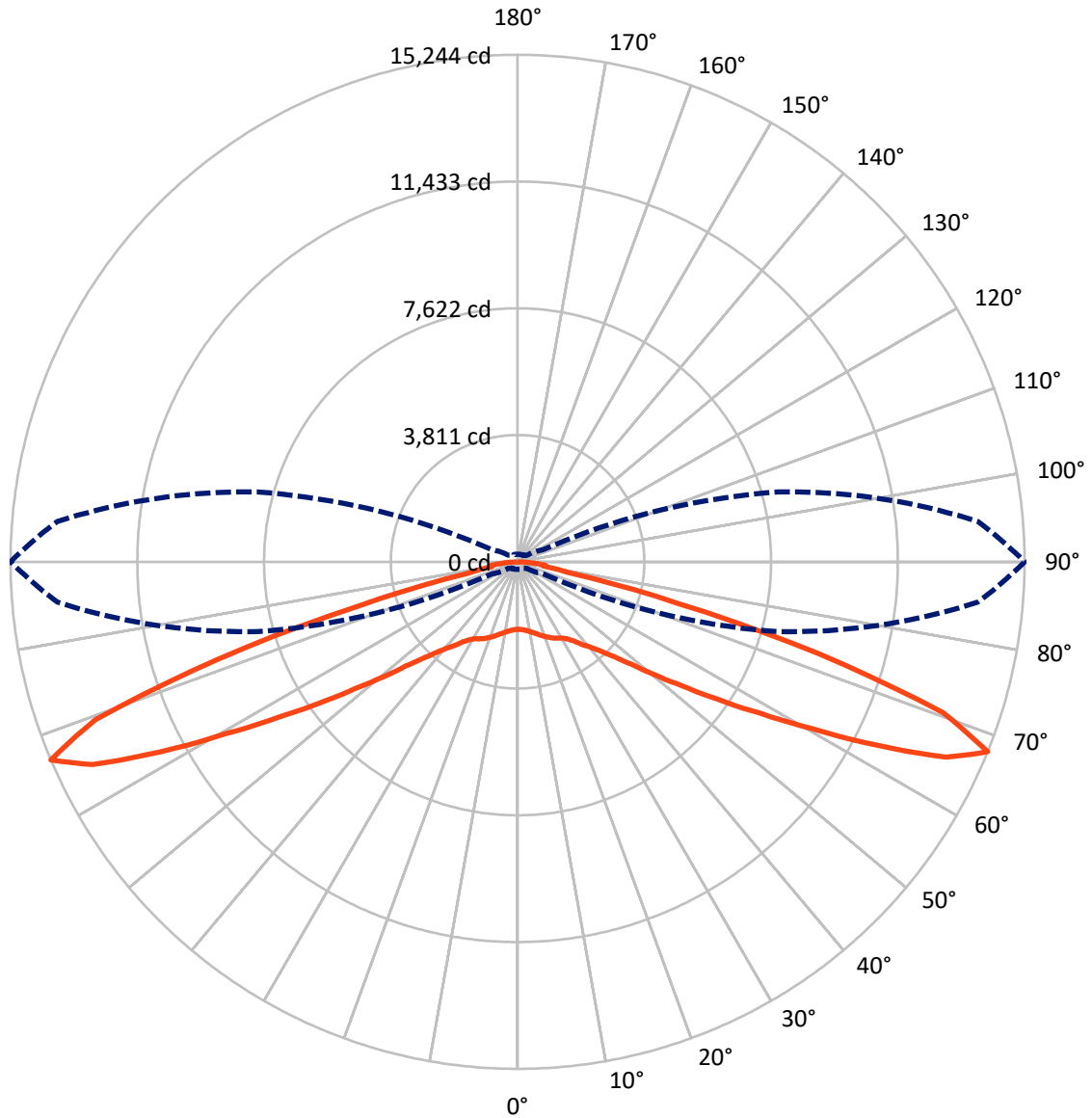
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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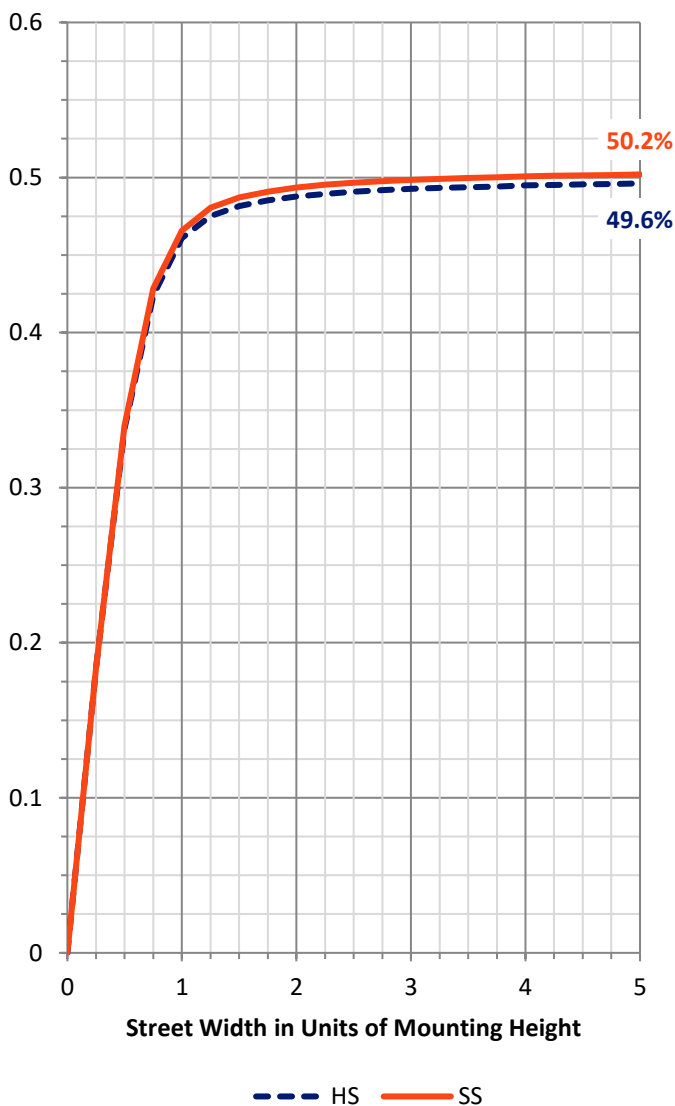
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5730.6	0.0	5730.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5730.6	0.0	5730.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11461.1	0.0	11461.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.3	1.8
10°-20°	647.2	5.6
20°-30°	1083.3	9.5
30°-40°	1467.6	12.8
40°-50°	1858.9	16.2
50°-60°	2322.2	20.3
60°-70°	2729.7	23.8
70°-80°	1044.2	9.1
80°-90°	105.8	0.9
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°	11461.1	100.0
0°-180°	11461.1	100.0

**Coefficient of Utilization**

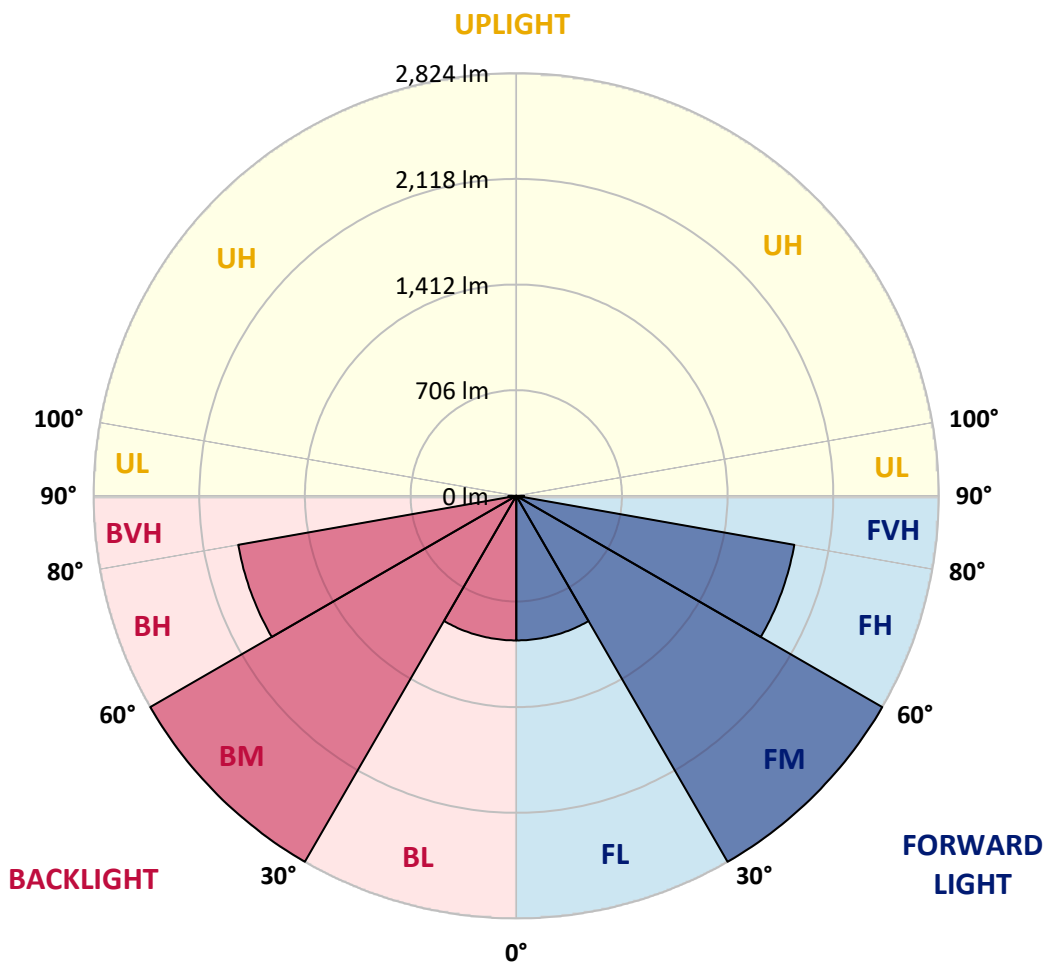


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.4	8.4			
FM (30°-60°)	2824.3	24.6			
FH (60°-80°)	1886.9	16.5			G2/5000
FVH (80°-90°)	52.9	0.5			G1/100
BL (0°-30°)	966.4	8.4	B2/1000		
BM (30°-60°)	2824.3	24.6	B3/5000		
BH (60°-80°)	1886.9	16.5	B3/2500		G3/2500
BVH (80°-90°)	52.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
2.5°	2055.0	2053.7	2054.4	2053.7	2055.7	2054.4	2046.7	2040.4	2035.3	2036.0	2034.0
5°	2098.8	2099.4	2100.1	2096.9	2101.3	2098.8	2086.8	2076.6	2066.4	2062.6	2061.4
7.5°	2135.0	2138.2	2140.0	2143.2	2150.9	2150.9	2144.5	2129.9	2107.7	2095.0	2094.3
10°	2171.1	2173.6	2179.4	2189.5	2202.2	2214.3	2211.7	2192.1	2163.6	2141.9	2136.9
12.5°	2183.8	2187.0	2206.0	2235.2	2263.8	2287.3	2287.3	2271.5	2234.6	2201.6	2192.1
15°	2139.4	2145.1	2179.4	2241.6	2316.5	2367.9	2379.3	2357.1	2317.7	2267.0	2255.6
17.5°	2051.2	2065.2	2115.3	2207.3	2331.7	2438.3	2471.4	2460.5	2409.8	2345.0	2331.7
20°	1956.7	1971.9	2025.2	2147.0	2319.1	2479.6	2575.4	2577.9	2515.1	2421.2	2401.6
22.5°	1852.6	1864.0	1932.5	2075.3	2281.0	2489.1	2664.9	2708.7	2623.7	2497.3	2469.4
25°	1735.7	1748.4	1820.2	1974.4	2209.2	2478.3	2746.8	2843.3	2737.3	2578.6	2543.0
27.5°	1624.1	1629.2	1706.0	1862.7	2114.7	2450.4	2807.1	2967.0	2862.9	2645.9	2600.8
30°	1516.8	1528.9	1596.8	1751.6	2006.1	2395.8	2859.1	3107.9	2998.1	2716.3	2658.6
32.5°	1403.2	1417.8	1491.4	1648.2	1897.6	2313.9	2890.9	3262.1	3186.5	2830.6	2769.0
35°	1294.0	1303.6	1377.8	1530.1	1791.6	2218.7	2896.6	3436.0	3429.7	3003.8	2922.0
37.5°	1182.4	1196.3	1271.2	1417.2	1679.3	2117.8	2868.0	3620.7	3722.9	3244.3	3156.1
40°	1075.1	1087.2	1160.7	1308.0	1551.7	1994.7	2800.1	3789.5	4065.0	3491.8	3366.9
42.5°	958.3	961.5	1042.1	1191.9	1426.7	1851.9	2702.4	3939.9	4446.4	3823.8	3668.3
45°	825.7	833.9	908.8	1056.0	1283.3	1692.0	2569.7	4064.3	4929.9	4283.9	4072.0
47.5°	693.1	700.0	768.6	913.9	1126.5	1508.6	2365.3	4173.5	5426.3	4868.4	4590.4
50°	563.6	567.3	623.3	752.0	950.1	1315.7	2112.1	4208.4	5987.3	5696.0	5341.2
52.5°	445.6	451.2	493.8	594.7	761.6	1087.8	1838.6	4122.1	6642.2	6677.2	6177.1
55°	361.1	363.1	394.8	469.0	595.3	849.2	1508.6	3881.6	7346.7	7934.4	7296.6
57.5°	311.0	312.3	330.0	371.3	458.2	640.3	1170.3	3426.5	7979.5	9407.4	8587.5
60°	282.4	283.1	293.2	317.3	363.1	491.2	838.4	2784.2	8603.9	11046.7	10191.8
62.5°	264.7	264.7	271.6	284.9	307.1	377.0	607.4	2008.6	9031.8	12710.2	12169.4
65°	247.5	247.5	252.6	262.1	274.2	308.5	448.7	1309.9	9020.9	13921.7	14158.4
67.5°	227.8	227.8	231.6	241.2	248.2	265.3	346.5	858.1	8103.2	13895.1	15243.7
70°	204.4	204.4	209.4	217.7	223.4	234.2	273.5	587.0	5953.0	11864.2	13556.8
72.5°	180.9	181.5	184.7	192.9	197.4	203.7	227.2	411.2	3651.8	8078.5	9479.2
75°	154.8	156.1	159.3	167.5	171.4	173.9	191.7	293.2	1847.5	4355.6	4959.1
77.5°	125.1	127.6	129.4	138.3	140.9	144.7	158.0	211.9	811.1	1565.0	1579.0
80°	91.4	94.5	100.2	108.5	110.4	112.9	120.6	150.4	367.4	714.6	776.2
82.5°	67.3	71.7	64.8	75.5	75.5	72.3	85.0	100.9	168.8	707.6	846.6
85°	36.8	37.4	33.6	38.7	41.3	40.6	45.1	49.5	81.8	472.2	486.8
87.5°	8.9	9.5	10.2	12.0	14.6	14.6	15.9	14.0	26.7	153.0	87.5
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)