

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: P647818

Luminaire Tested: **GALN-SA3A-835-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-835-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11028.6 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

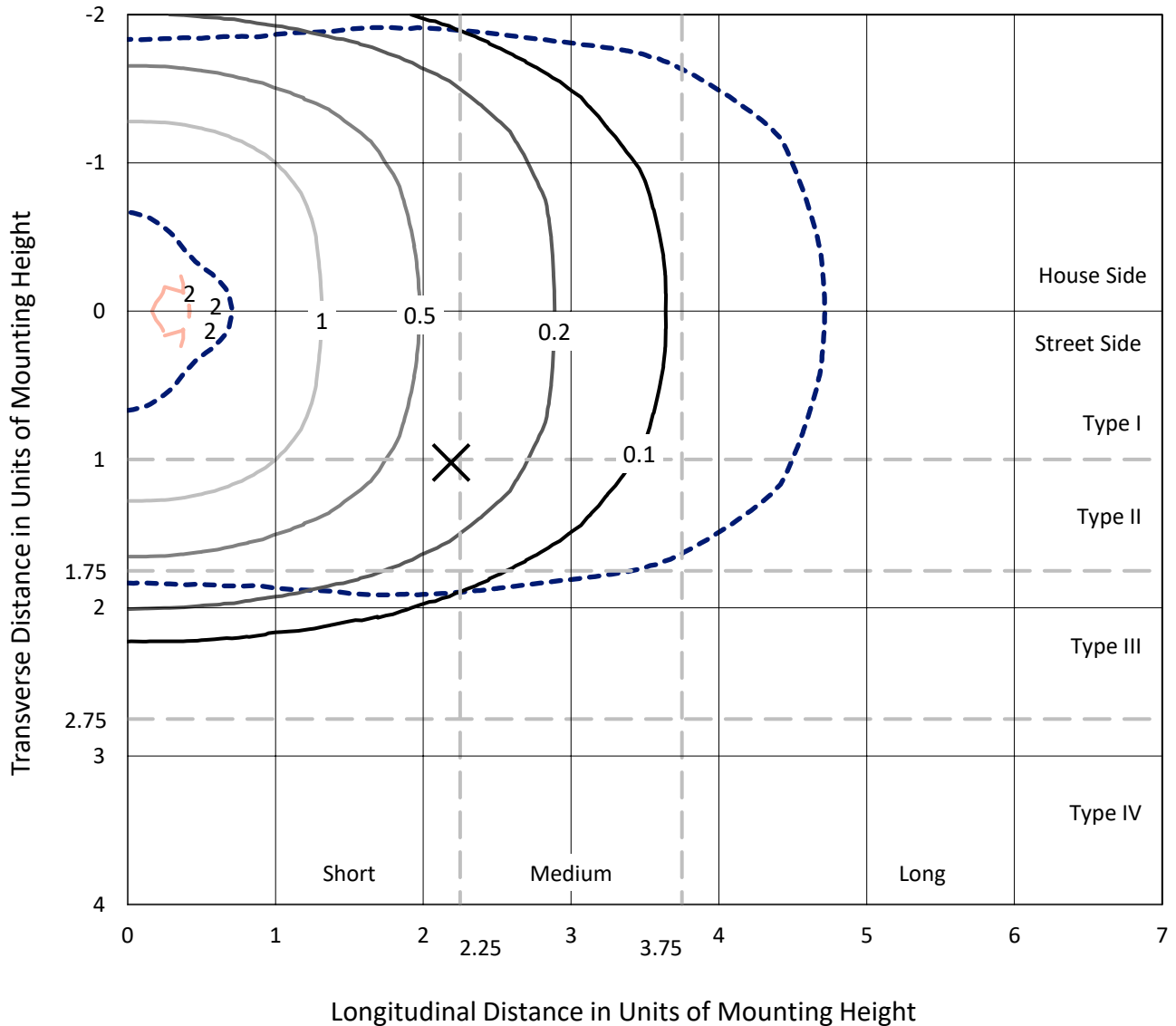
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

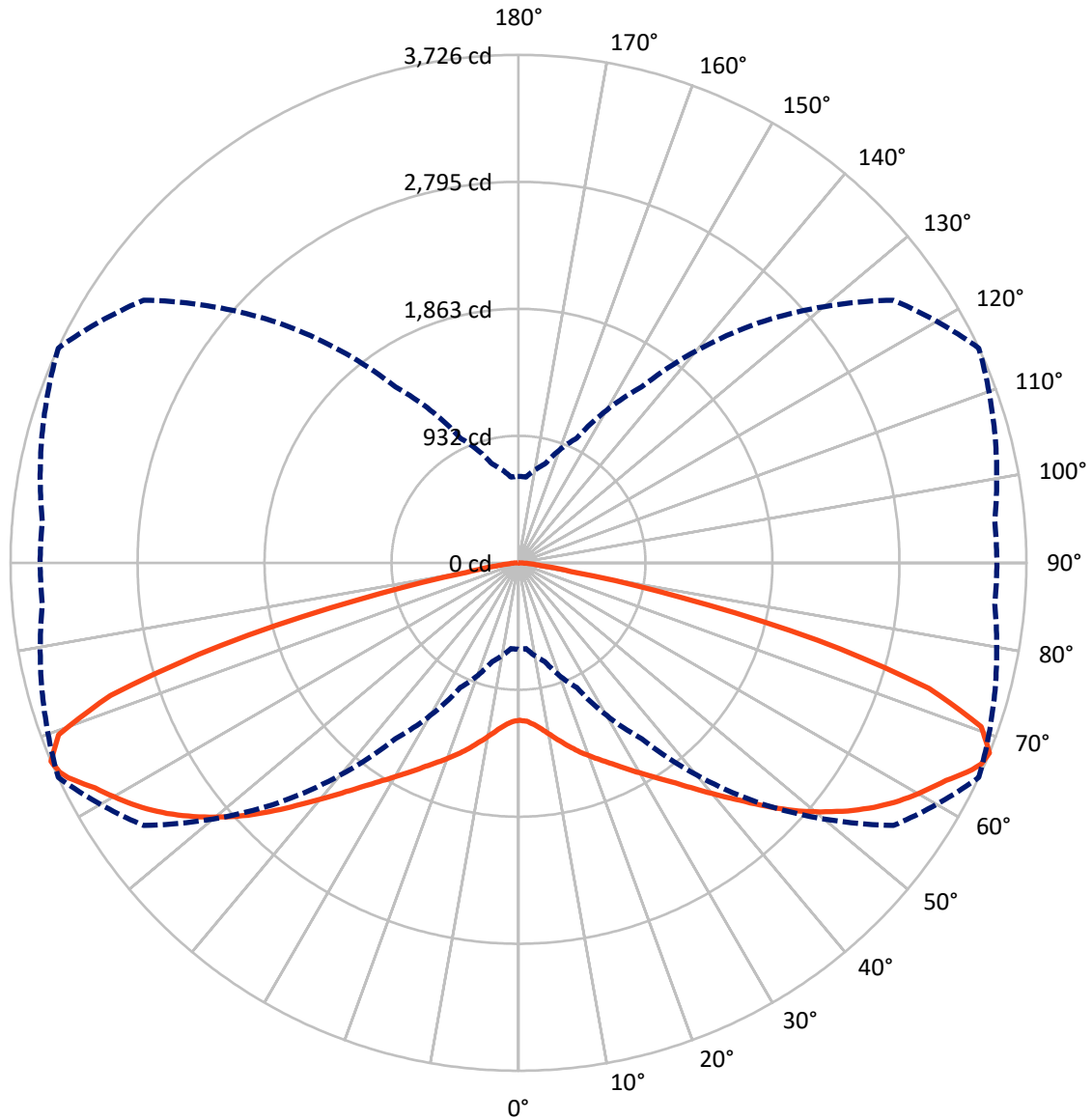
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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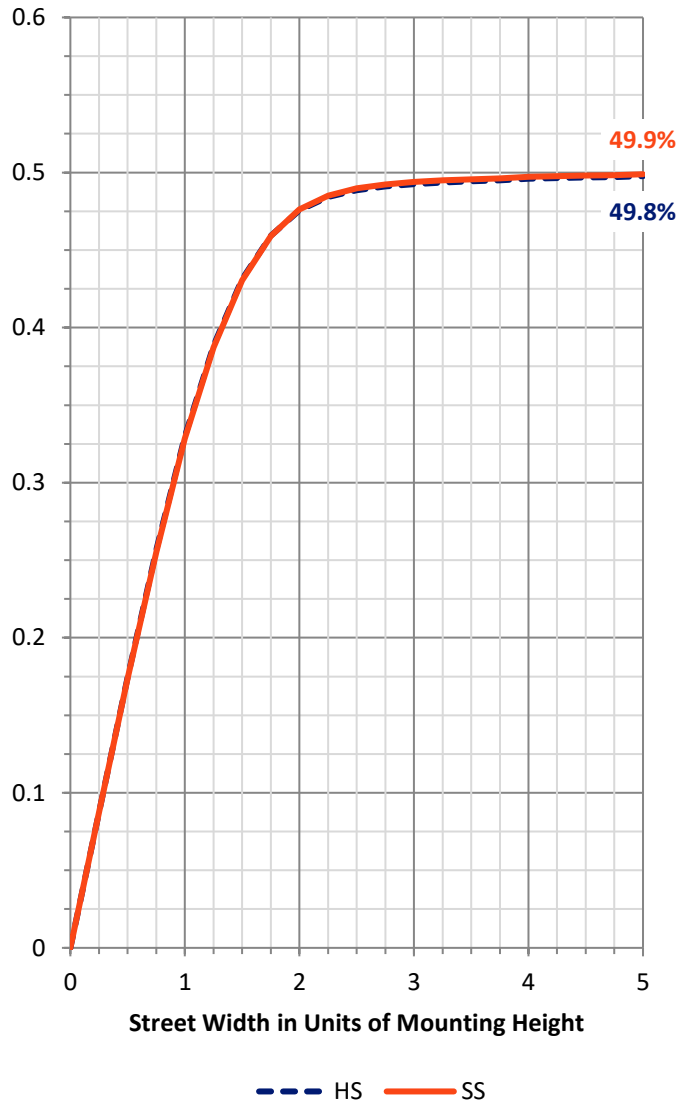
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5514.3	0.0	5514.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5514.3	0.0	5514.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11028.6	0.0	11028.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.9	1.0
10°-20°	381.3	3.5
20°-30°	745.9	6.8
30°-40°	1268.6	11.5
40°-50°	2007.8	18.2
50°-60°	2662.4	24.1
60°-70°	2511.4	22.8
70°-80°	1241.5	11.3
80°-90°	95.7	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°	11028.6	100.0
0°-180°	11028.6	100.0

**Coefficient of Utilization**

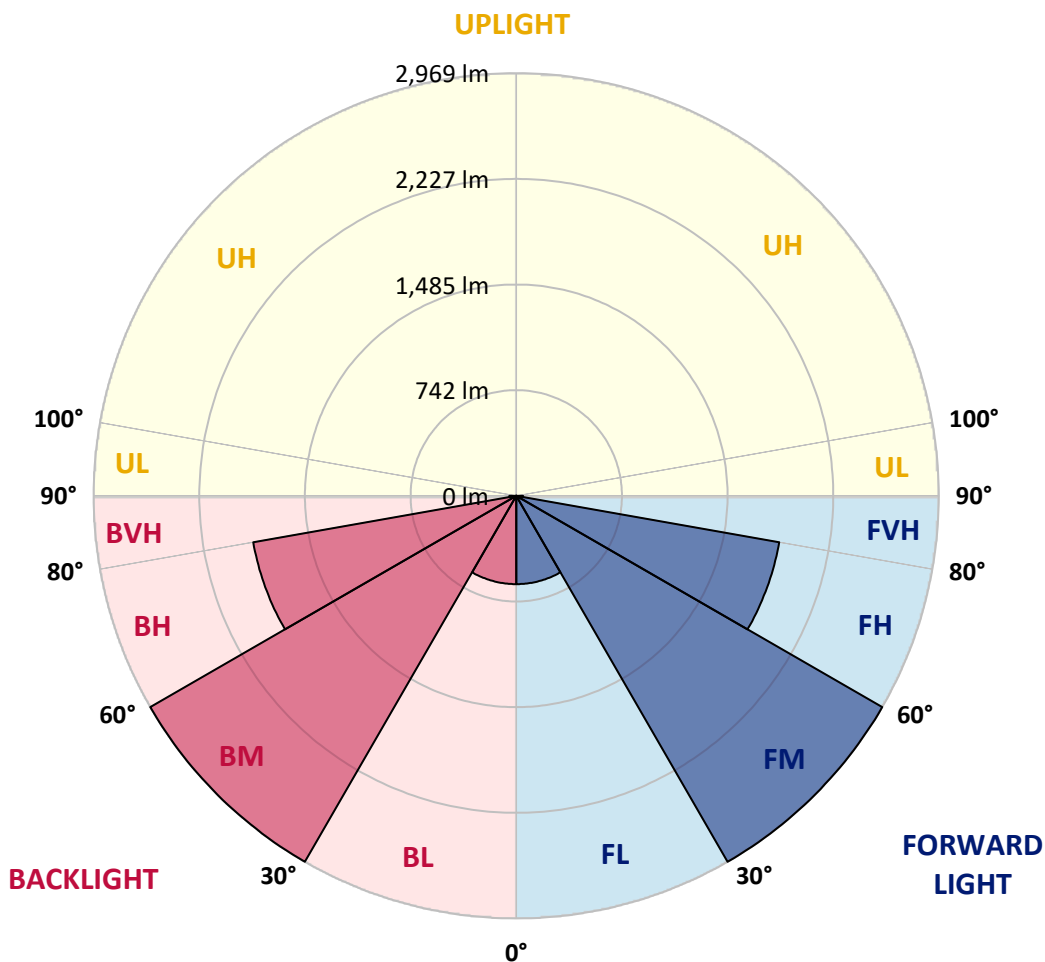


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	620.6	5.6			
FM (30°-60°)	2969.4	26.9			
FH (60°-80°)	1876.5	17.0			G2/5000
FVH (80°-90°)	47.8	0.4			G1/100
BL (0°-30°)	620.6	5.6	B2/1000		
BM (30°-60°)	2969.4	26.9	B3/5000		
BH (60°-80°)	1876.5	17.0	B3/2500		G3/2500
BVH (80°-90°)	47.8	0.4			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2	1155.2
2.5°	1149.2	1150.4	1151.6	1153.4	1155.7	1159.3	1161.7	1163.4	1168.2	1168.7	1168.2
5°	1145.1	1146.3	1149.2	1154.5	1162.2	1172.9	1181.2	1191.2	1198.9	1204.2	1203.0
7.5°	1144.5	1146.9	1151.6	1162.8	1177.6	1195.9	1214.8	1232.0	1246.7	1258.5	1256.8
10°	1154.0	1156.9	1164.6	1181.2	1204.2	1230.8	1257.3	1282.8	1304.0	1319.4	1324.8
12.5°	1169.9	1172.3	1186.5	1211.3	1244.3	1277.5	1307.6	1338.9	1368.4	1394.4	1394.4
15°	1197.7	1201.8	1219.5	1255.6	1296.3	1334.8	1365.5	1398.6	1430.5	1460.1	1468.9
17.5°	1236.1	1242.0	1268.6	1314.7	1366.6	1402.1	1431.1	1458.3	1486.1	1514.4	1518.6
20°	1288.7	1294.6	1330.0	1385.6	1447.1	1489.6	1509.1	1515.6	1529.2	1556.4	1559.9
22.5°	1360.1	1366.1	1405.6	1468.3	1536.9	1582.9	1591.2	1575.9	1572.3	1593.6	1595.9
25°	1441.1	1446.4	1491.9	1559.3	1630.2	1680.4	1678.0	1640.2	1619.0	1632.0	1635.5
27.5°	1532.1	1539.8	1585.9	1655.6	1732.4	1776.7	1769.7	1714.7	1669.2	1666.9	1668.0
30°	1648.5	1656.8	1700.5	1767.3	1842.9	1883.7	1868.9	1795.0	1724.7	1701.1	1701.1
32.5°	1771.4	1792.1	1836.4	1906.1	1965.3	1994.8	1972.3	1883.7	1790.3	1757.2	1755.5
35°	1931.5	1942.8	1986.5	2054.4	2098.8	2121.8	2078.6	1983.6	1876.0	1837.0	1831.7
37.5°	2088.1	2097.6	2148.4	2213.4	2267.2	2266.0	2207.5	2102.3	1982.3	1938.6	1935.1
40°	2248.2	2258.3	2316.2	2375.9	2429.6	2425.0	2354.0	2236.4	2108.8	2059.8	2069.2
42.5°	2387.1	2398.3	2463.9	2549.0	2597.4	2596.3	2514.1	2381.8	2248.9	2205.1	2213.4
45°	2513.5	2523.6	2599.8	2697.3	2768.2	2777.1	2687.3	2547.3	2410.7	2354.6	2357.0
47.5°	2602.8	2621.6	2701.4	2813.1	2909.4	2940.7	2852.7	2715.6	2558.5	2500.0	2503.5
50°	2670.7	2682.6	2769.4	2896.4	3018.2	3083.1	3012.2	2871.6	2706.2	2644.1	2652.4
52.5°	2679.0	2693.2	2787.7	2934.2	3090.3	3188.9	3154.1	3024.0	2856.9	2793.0	2810.7
55°	2611.6	2619.9	2732.7	2910.6	3118.6	3267.5	3276.4	3165.8	3000.5	2952.0	2963.8
57.5°	2419.6	2440.8	2583.8	2800.1	3079.6	3309.4	3367.9	3294.7	3145.8	3097.9	3116.8
60°	2104.7	2125.9	2269.5	2543.7	2932.5	3289.9	3443.6	3408.7	3277.6	3239.1	3249.1
62.5°	1649.1	1647.4	1825.2	2161.4	2640.0	3194.2	3499.7	3518.6	3407.5	3359.1	3374.4
65°	1068.9	1074.2	1246.1	1608.4	2198.6	2950.8	3512.1	3658.6	3535.2	3461.9	3473.1
66°	859.7	875.6	1021.6	1355.5	1973.5	2791.2	3474.9	3700.0	3574.2	3485.5	3490.8
67.5°	634.6	631.6	751.6	1009.2	1575.9	2488.1	3358.5	3726.0	3618.5	3506.8	3509.2
70°	362.2	361.6	404.2	554.2	926.4	1751.9	2830.9	3601.3	3708.3	3583.6	3577.1
72.5°	264.7	262.9	268.9	306.1	452.0	884.6	1952.8	3147.6	3662.2	3571.2	3552.9
75°	222.1	221.0	219.8	224.6	253.5	400.6	1036.4	2264.2	3177.6	3352.0	3333.1
77.5°	181.4	181.4	182.0	180.8	182.0	210.9	429.6	1213.6	1935.1	2160.2	2212.8
80°	141.8	141.3	151.3	147.1	137.7	135.3	190.3	390.6	642.3	638.7	527.0
82.5°	104.6	97.5	115.3	112.3	101.6	86.3	111.1	166.6	214.5	139.5	103.4
85°	66.2	65.6	81.5	74.5	62.0	40.8	53.2	71.5	88.6	53.8	43.7
87.5°	11.8	11.2	26.0	18.9	18.9	11.8	14.8	19.5	29.0	20.1	14.8
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)