

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: P528074

Luminaire Tested: **GALN-SA3A-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3A-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8793 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

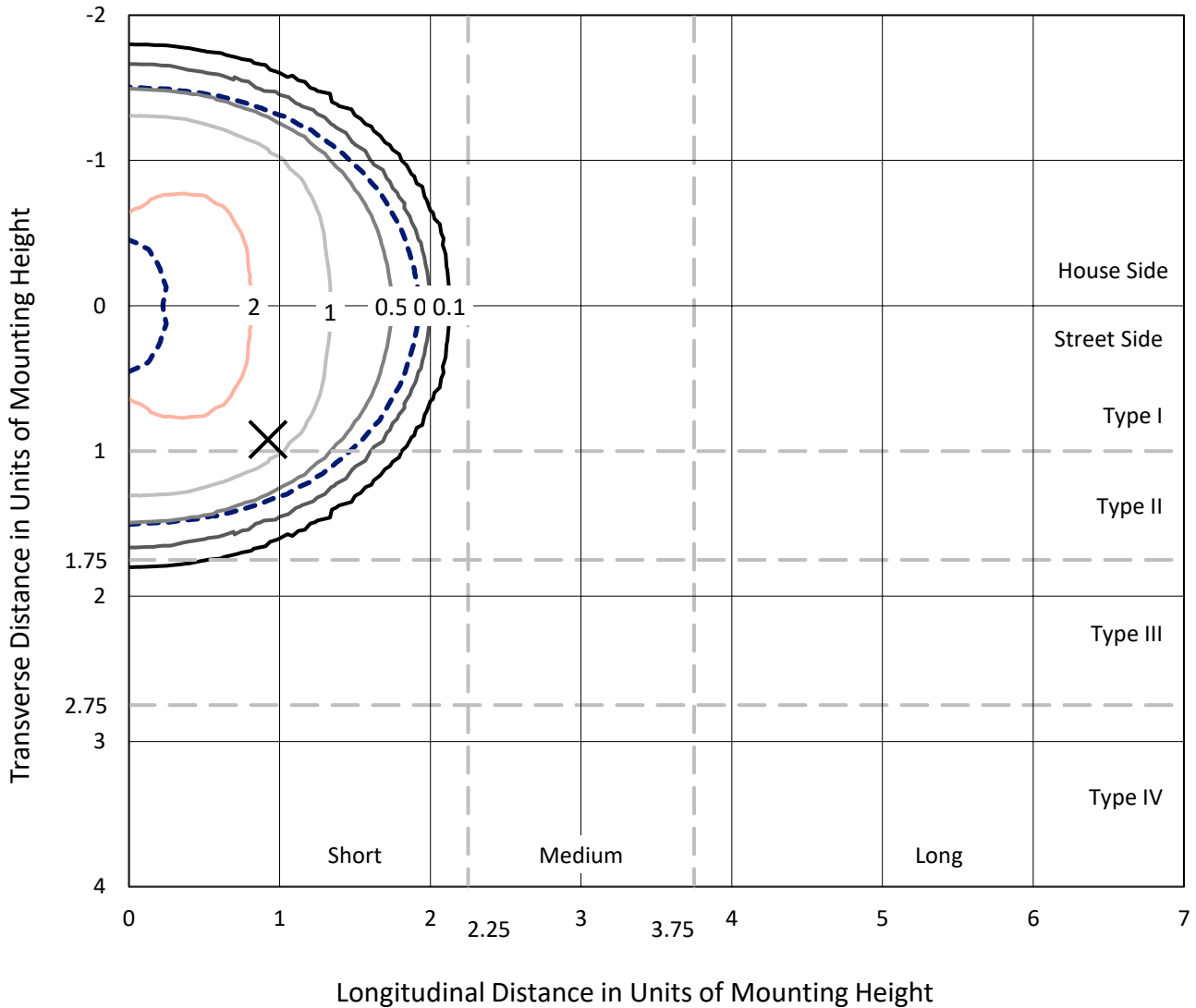
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

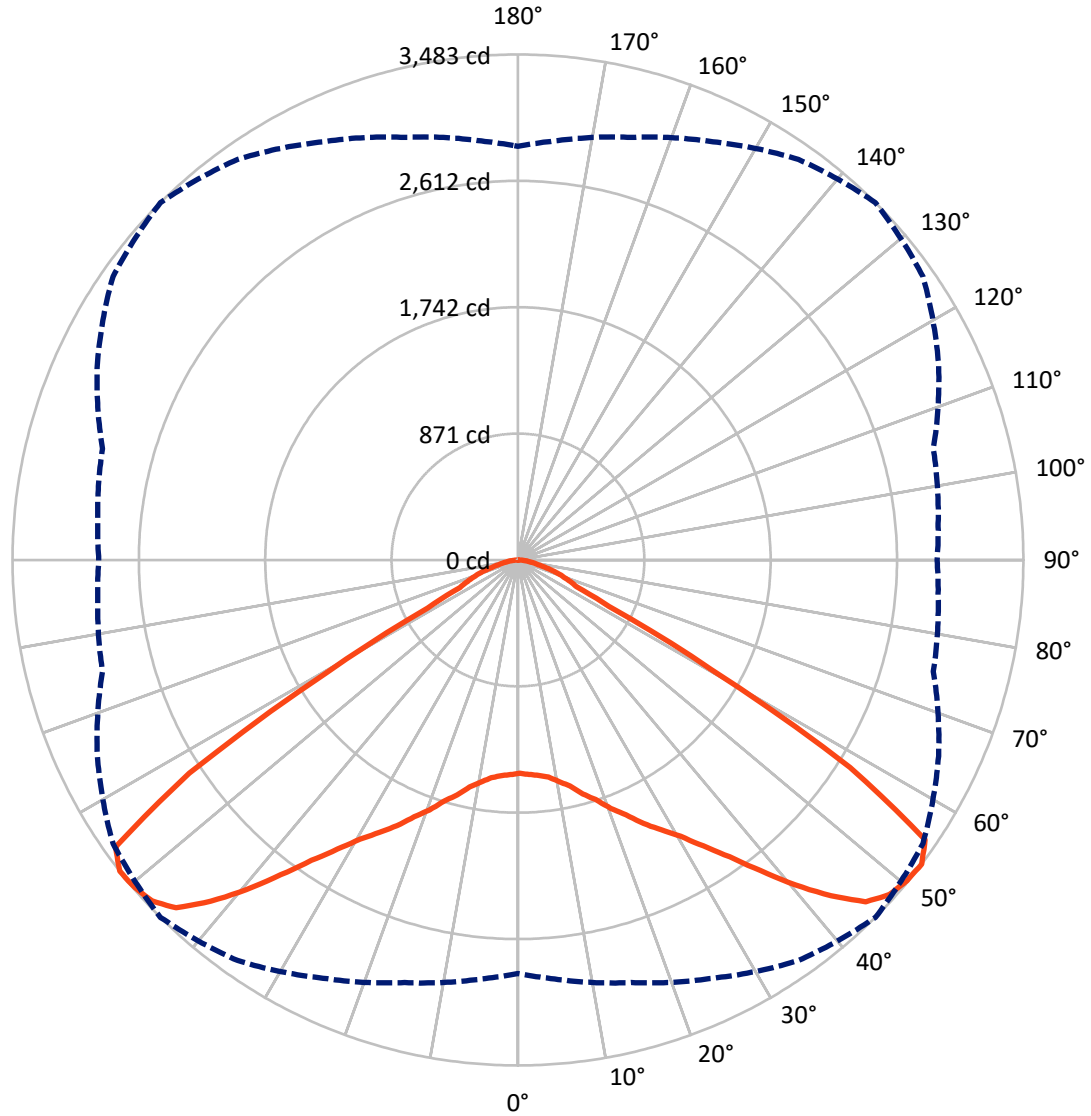
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4396.5	0.0	4396.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4396.5	0.0	4396.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8793.0	0.0	8793.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.4	1.6
10°-20°	474.5	5.4
20°-30°	903.4	10.3
30°-40°	1551.2	17.6
40°-50°	2384.3	27.1
50°-60°	2421.2	27.5
60°-70°	674.8	7.7
70°-80°	199.0	2.3
80°-90°	40.1	0.5
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°	8793.0	100.0
0°-180°	8793.0	100.0

**Coefficient of Utilization**



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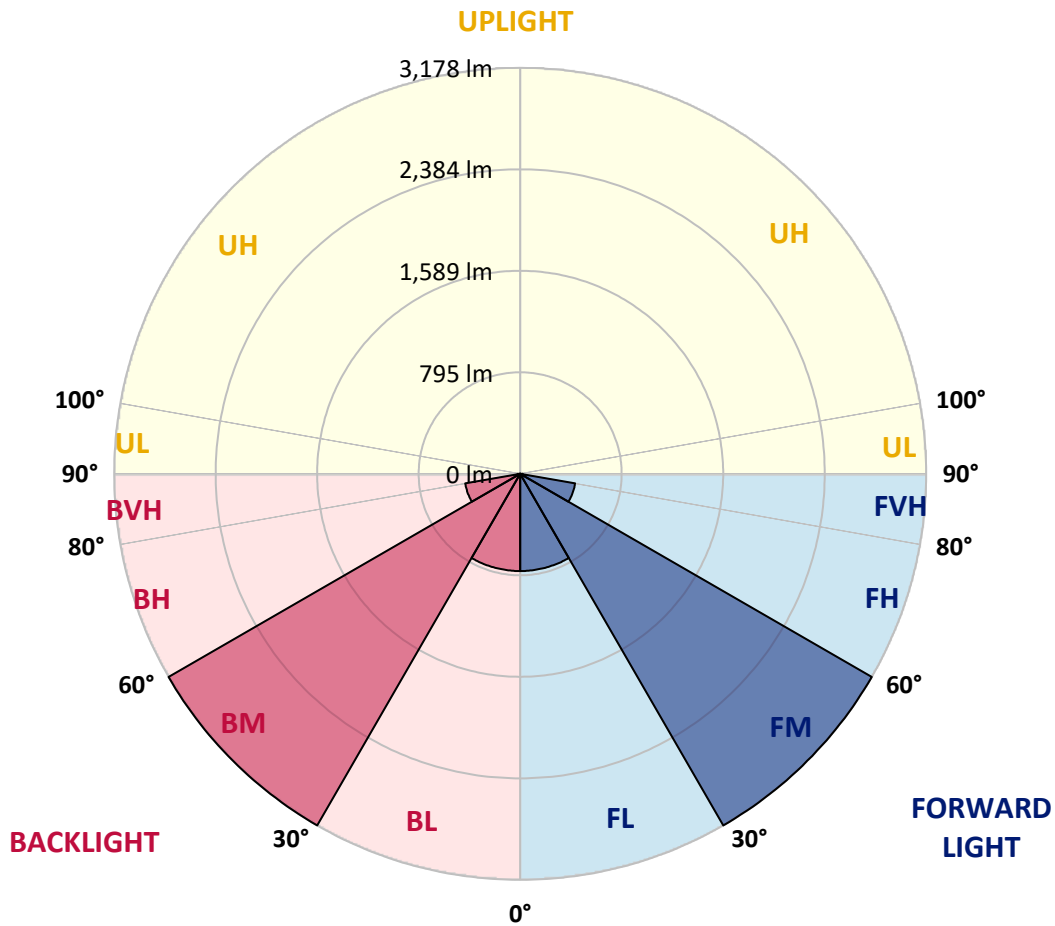
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.2	8.7			
FM (30°-60°)	3178.4	36.1			
FH (60°-80°)	436.9	5.0			G0/660
FVH (80°-90°)	20.0	0.2			G1/100
BL (0°-30°)	761.2	8.7	B2/1000		
BM (30°-60°)	3178.4	36.1	B3/5000		
BH (60°-80°)	436.9	5.0	B1/500		G0/660
BVH (80°-90°)	20.0	0.2			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°	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9
2.5°	1473.1	1457.9	1463.3	1466.6	1480.8	1479.7	1476.4	1480.8	1485.1	1486.2	1484.1
5°	1472.0	1461.1	1465.5	1468.8	1483.0	1490.6	1488.4	1507.0	1520.1	1516.8	1533.2
7.5°	1463.3	1469.9	1464.4	1480.8	1492.8	1511.3	1531.0	1548.4	1564.8	1583.4	1586.6
10°	1483.0	1483.0	1492.8	1505.9	1537.5	1551.7	1580.1	1605.2	1636.8	1658.6	1649.9
12.5°	1503.7	1507.0	1507.0	1540.8	1567.0	1598.6	1624.8	1658.6	1703.4	1729.6	1742.7
15°	1524.4	1526.6	1537.5	1583.4	1622.6	1672.8	1696.8	1727.4	1752.5	1801.6	1802.7
17.5°	1543.0	1555.0	1587.7	1639.0	1688.1	1736.1	1774.3	1806.0	1827.8	1847.4	1843.1
20°	1612.8	1621.5	1655.4	1706.7	1779.8	1826.7	1839.8	1845.2	1859.4	1898.7	1886.7
22.5°	1680.5	1683.7	1715.4	1794.0	1845.2	1907.4	1921.6	1918.4	1923.8	1933.6	1951.1
25°	1750.3	1755.8	1799.4	1866.0	1938.0	2012.2	2024.2	1999.1	1991.5	2002.4	2003.5
27.5°	1839.8	1840.9	1896.5	1954.4	2036.2	2106.0	2124.6	2105.0	2068.9	2077.7	2091.9
30°	1953.3	1945.6	2001.3	2084.2	2170.4	2209.7	2241.4	2231.5	2192.2	2184.6	2172.6
32.5°	2084.2	2086.4	2136.6	2227.2	2283.9	2349.4	2383.2	2366.8	2341.7	2328.7	2336.3
35°	2268.6	2278.5	2312.3	2387.6	2479.2	2512.0	2565.4	2530.5	2465.1	2481.4	2495.6
37.5°	2420.3	2448.7	2512.0	2601.5	2656.0	2716.0	2735.7	2688.8	2640.7	2621.1	2668.0
40°	2652.7	2644.0	2713.9	2803.3	2884.1	2944.1	2919.0	2872.1	2753.1	2754.2	2767.3
42.5°	2852.4	2856.8	2910.3	3017.2	3127.4	3164.5	3084.9	2970.3	2838.2	2824.1	2852.4
45°	3020.5	3037.9	3068.5	3211.4	3319.5	3359.8	3212.5	3077.2	2900.4	2841.5	2888.4
47.5°	3080.5	3108.9	3175.4	3306.4	3413.3	3446.1	3328.2	3134.0	2958.3	2862.3	2887.4
50°	3089.2	3079.4	3188.5	3308.6	3402.4	3473.3	3369.7	3175.4	2944.1	2893.9	2886.3
52.5°	2850.3	2898.3	3015.0	3179.8	3369.7	3483.2	3406.8	3198.3	2963.7	2907.0	2888.4
55°	2306.8	2250.1	2462.9	2740.0	3089.2	3404.6	3393.7	3210.4	2975.7	2928.8	2903.7
57.5°	1287.6	1304.0	1424.0	1725.2	2175.9	2699.7	3017.2	3083.8	2970.3	2943.0	2956.1
60°	595.8	601.3	652.5	793.3	1072.7	1531.0	1948.9	2373.4	2568.7	2608.0	2608.0
62.5°	444.1	441.9	455.0	480.1	539.1	703.8	939.5	1276.7	1545.2	1732.8	1782.0
65°	401.6	400.5	407.0	415.8	420.1	443.0	495.4	599.1	686.4	736.6	727.8
67.5°	351.4	350.3	352.5	357.9	365.6	377.6	390.7	412.5	443.0	440.9	435.4
70°	283.7	283.7	287.0	291.4	300.1	314.3	329.5	344.8	371.0	376.5	375.4
72.5°	209.5	206.2	212.8	221.5	230.2	247.7	264.1	278.3	296.8	302.3	300.1
75°	133.1	135.3	139.7	149.5	164.8	176.8	194.2	206.2	218.2	222.6	223.7
77.5°	74.2	76.4	84.0	96.0	111.3	124.4	139.7	149.5	157.1	158.2	159.3
80°	44.7	45.8	53.5	64.4	77.5	91.7	103.7	113.5	120.0	116.8	115.7
82.5°	27.3	28.4	34.9	44.7	55.7	66.6	79.7	88.4	94.9	90.6	86.2
85°	14.2	15.3	20.7	27.3	36.0	41.5	41.5	37.1	36.0	33.8	32.7
87.5°	4.4	4.4	5.5	6.5	5.5	6.5	7.6	8.7	8.7	9.8	8.7
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)