

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: P530877

Luminaire Tested: **GALN-SA6A-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-827-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10398 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

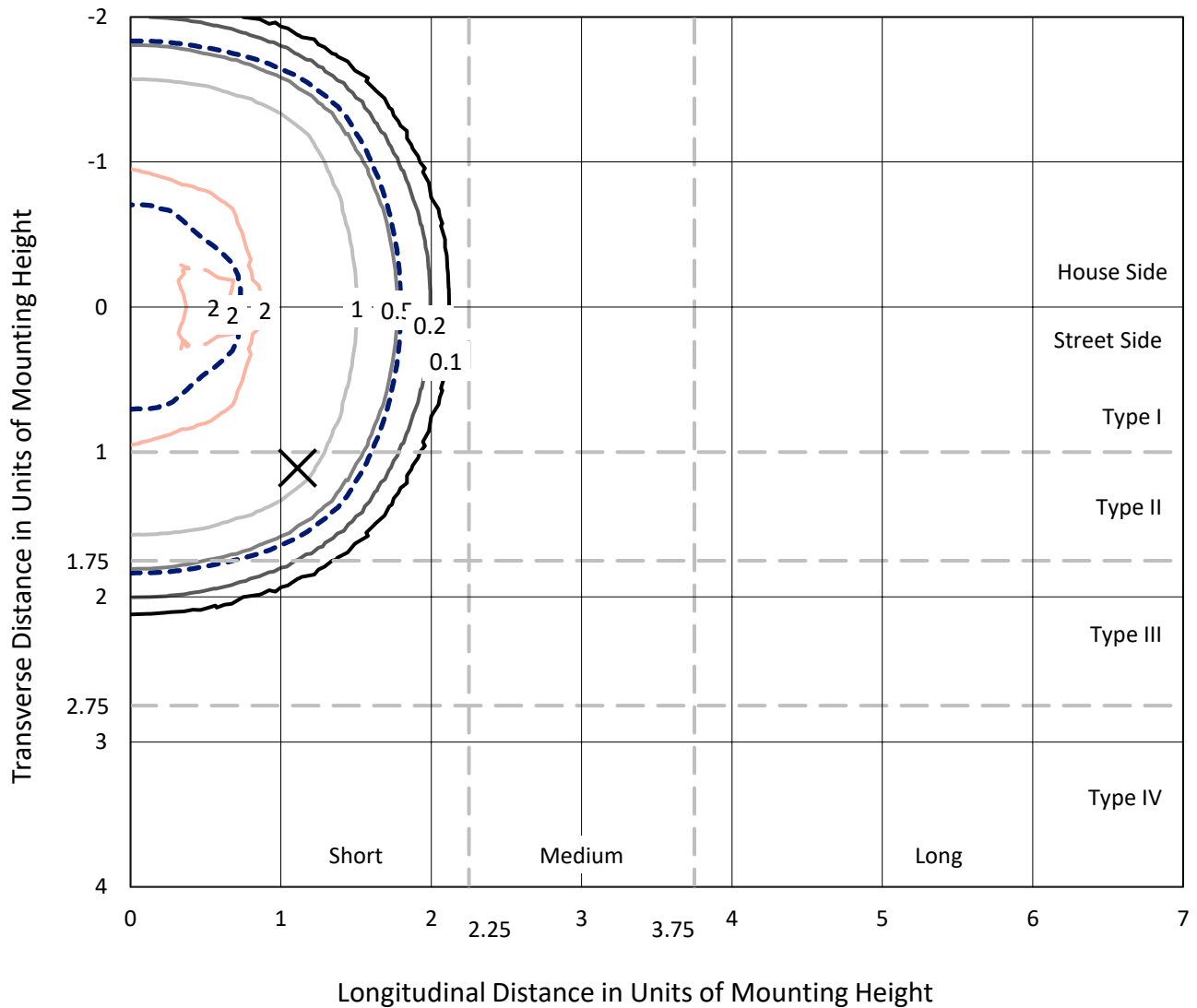
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

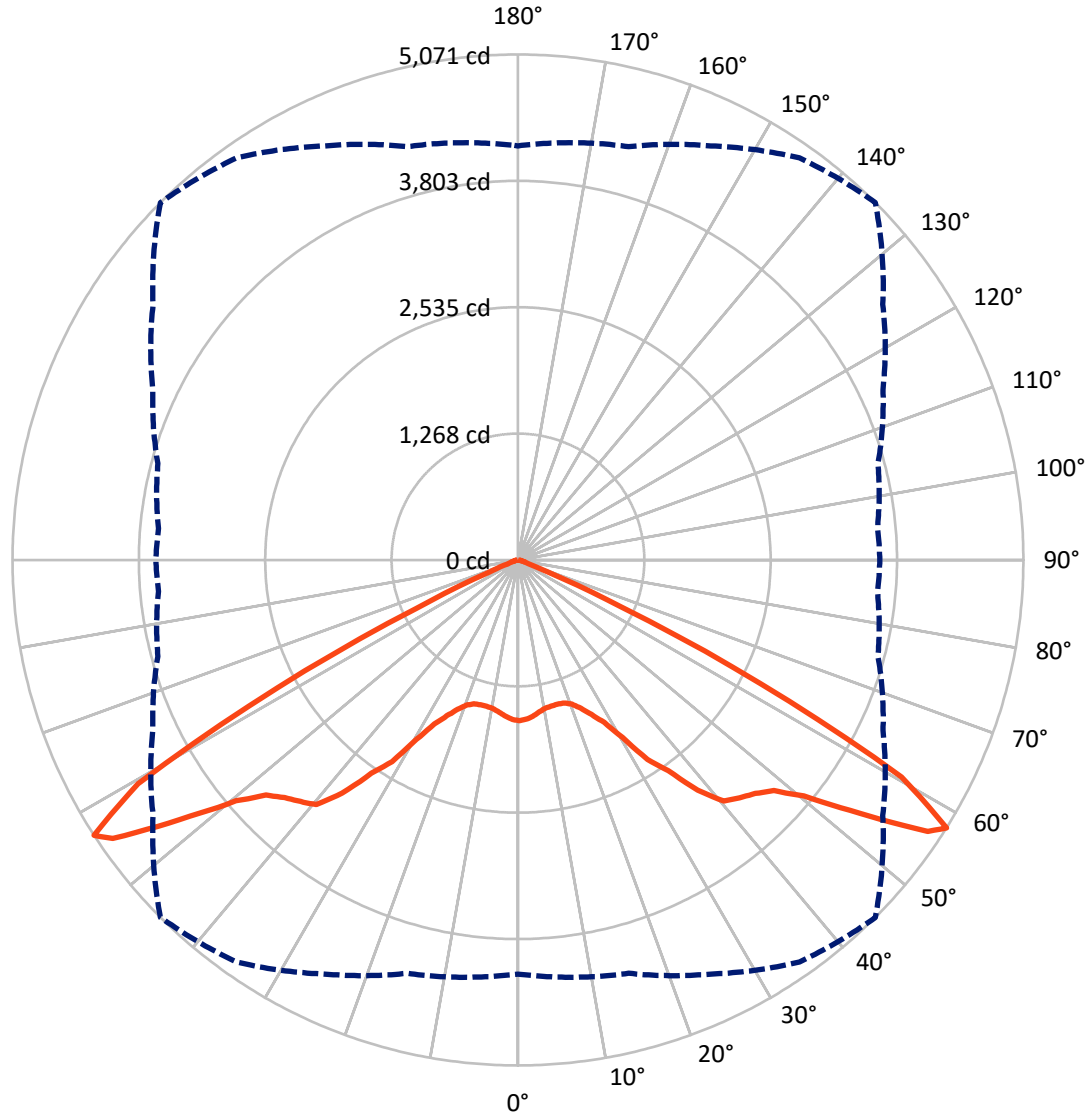
✕ Max cd  
 - - - 1/2 Max cd



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 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5199.0	0.0	5199.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5199.0	0.0	5199.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10398.0	0.0	10398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.2	1.4
10°-20°	428.4	4.1
20°-30°	790.8	7.6
30°-40°	1555.1	15.0
40°-50°	2532.9	24.4
50°-60°	3612.2	34.7
60°-70°	1250.6	12.0
70°-80°	67.1	0.6
80°-90°	12.6	0.1
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°	10398.0	100.0
0°-180°	10398.0	100.0

**Coefficient of Utilization**

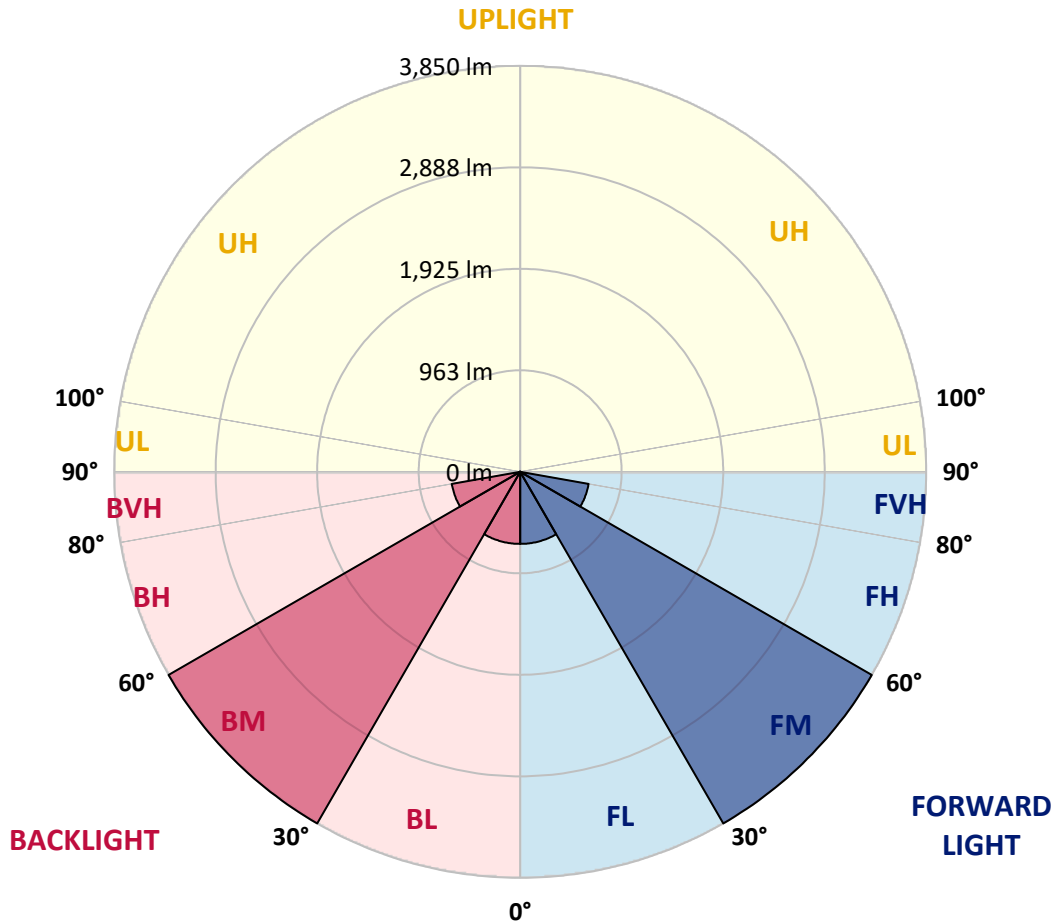


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.7	6.6			
FM (30°-60°)	3850.1	37.0			
FH (60°-80°)	658.9	6.3			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	683.7	6.6	B2/1000		
BM (30°-60°)	3850.1	37.0	B3/5000		
BH (60°-80°)	658.9	6.3	B2/1000		G0/660
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8	1612.8
2.5°	1608.5	1617.2	1606.3	1602.0	1599.8	1599.8	1593.3	1593.3	1591.2	1593.3	1584.7
5°	1582.5	1591.2	1591.2	1589.0	1576.0	1573.8	1567.3	1563.0	1565.1	1556.5	1563.0
7.5°	1556.5	1563.0	1554.3	1552.1	1547.8	1539.1	1537.0	1517.5	1519.6	1519.6	1524.0
10°	1552.1	1550.0	1537.0	1526.1	1513.1	1511.0	1504.4	1500.1	1500.1	1497.9	1504.4
12.5°	1552.1	1541.3	1539.1	1515.3	1493.6	1502.3	1484.9	1474.1	1489.3	1493.6	1502.3
15°	1550.0	1560.8	1524.0	1513.1	1497.9	1500.1	1484.9	1474.1	1482.8	1487.1	1493.6
17.5°	1563.0	1556.5	1545.6	1524.0	1517.5	1508.8	1489.3	1480.6	1480.6	1491.4	1493.6
20°	1597.7	1580.3	1558.6	1547.8	1554.3	1543.5	1519.6	1487.1	1495.8	1504.4	1511.0
22.5°	1630.2	1617.2	1602.0	1595.5	1632.3	1615.0	1573.8	1537.0	1524.0	1539.1	1550.0
25°	1693.0	1693.0	1664.9	1673.5	1714.7	1716.9	1669.2	1604.2	1595.5	1602.0	1606.3
27.5°	1820.9	1827.5	1803.6	1812.3	1829.6	1844.8	1803.6	1749.4	1729.9	1727.7	1734.2
30°	1959.7	1972.7	1970.5	2007.4	2057.2	2065.9	2005.2	1916.3	1857.8	1847.0	1855.6
32.5°	2141.8	2148.3	2143.9	2187.3	2321.7	2384.6	2226.3	2100.6	2022.6	2042.1	2022.6
35°	2484.3	2477.8	2430.1	2438.8	2549.3	2594.8	2443.1	2362.9	2326.0	2365.1	2356.4
37.5°	2779.1	2755.3	2716.2	2772.6	2887.5	2928.7	2770.4	2629.5	2562.3	2627.4	2655.5
40°	3028.4	2967.7	2913.5	2969.9	3123.8	3180.2	2948.2	2833.3	2807.3	2855.0	2915.7
42.5°	3238.7	3199.7	3128.1	3132.5	3234.3	3260.4	3073.9	3006.7	2980.7	3056.6	3086.9
45°	3388.3	3351.4	3284.2	3279.9	3357.9	3340.6	3173.7	3128.1	3143.3	3193.2	3208.3
47.5°	3464.1	3483.6	3444.6	3455.5	3496.7	3455.5	3323.2	3323.2	3288.5	3318.9	3303.7
50°	3683.1	3622.4	3672.2	3672.2	3715.6	3719.9	3587.7	3540.0	3446.8	3394.8	3394.8
52.5°	3938.9	3943.2	3962.7	4034.3	4108.0	4170.8	3982.2	3778.5	3622.4	3555.2	3546.5
55°	4149.2	4192.5	4270.6	4405.0	4617.4	4704.1	4378.9	4014.8	3824.0	3719.9	3698.3
56°	4264.1	4222.9	4357.3	4541.5	4819.0	4931.7	4444.0	4062.4	3852.2	3735.1	3732.9
57.5°	4153.5	4199.0	4292.2	4582.7	4923.1	5070.5	4467.8	4040.8	3739.4	3620.2	3631.1
60°	3279.9	3323.2	3449.0	3774.1	4307.4	4422.3	3780.6	3331.9	3063.1	2891.8	2894.0
62.5°	1855.6	1888.1	1985.7	2287.0	2618.7	2729.3	2356.4	2057.2	1870.8	1775.4	1745.1
65°	682.9	669.8	685.0	838.9	1042.7	1135.9	979.8	828.1	730.5	695.9	682.9
67.5°	255.8	236.3	221.1	236.3	297.0	314.3	288.3	240.6	225.5	232.0	236.3
70°	158.2	149.6	119.2	112.7	110.6	108.4	114.9	121.4	138.7	162.6	166.9
72.5°	110.6	104.1	84.5	80.2	75.9	73.7	84.5	93.2	108.4	125.7	127.9
75°	43.4	45.5	43.4	47.7	49.9	52.0	60.7	67.2	73.7	73.7	71.5
77.5°	8.7	8.7	13.0	17.3	21.7	28.2	41.2	47.7	49.9	47.7	41.2
80°	0.0	0.0	4.3	8.7	17.3	23.8	36.9	41.2	45.5	41.2	32.5
82.5°	0.0	0.0	4.3	10.8	17.3	21.7	34.7	43.4	49.9	45.5	34.7
85°	0.0	0.0	4.3	8.7	13.0	15.2	15.2	10.8	10.8	6.5	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)