

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: P528533

Luminaire Tested: **GALN-SA3C-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528533  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-827-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9259 lumens  
Efficiency: N/A  
Efficacy: 57.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

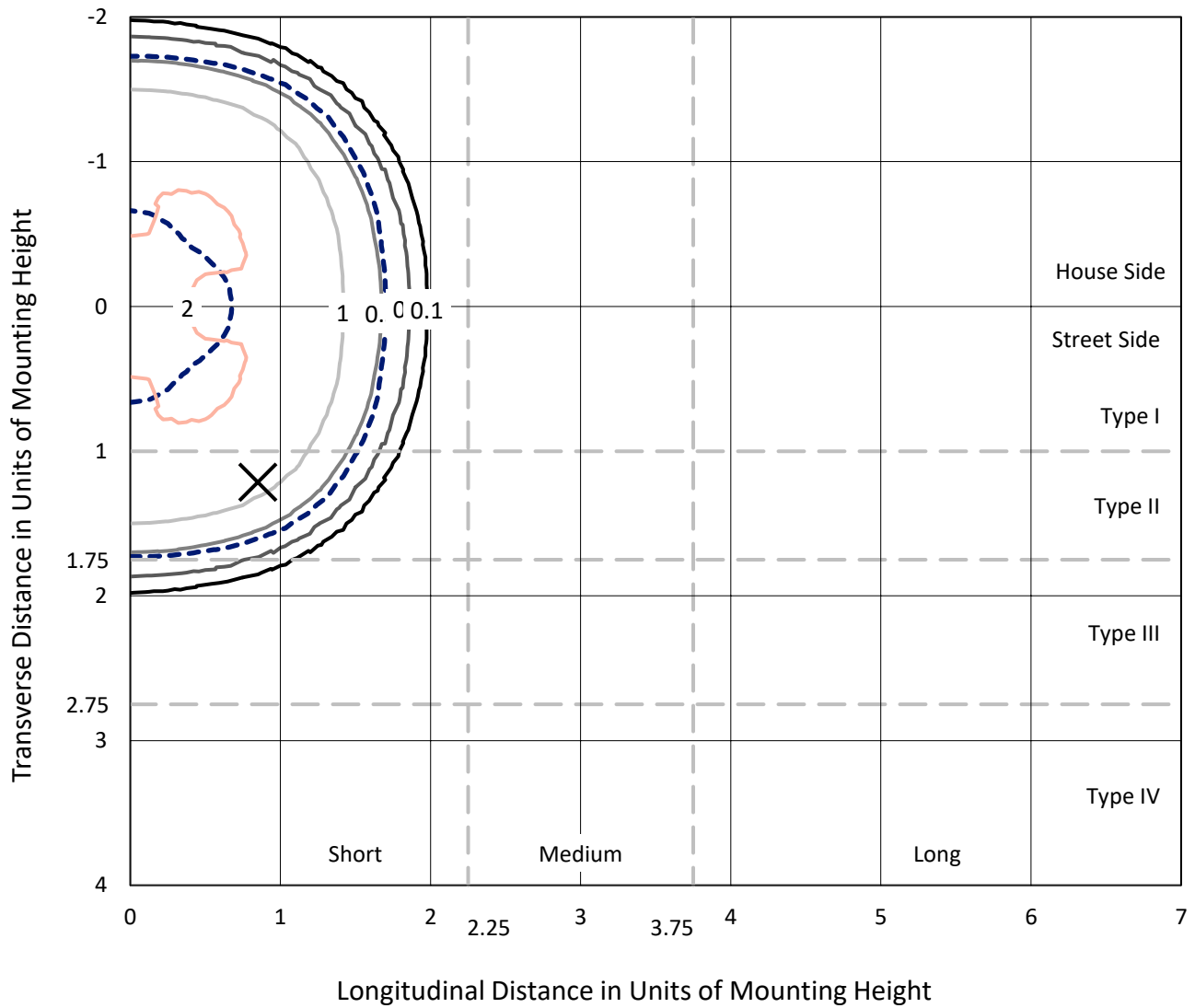
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

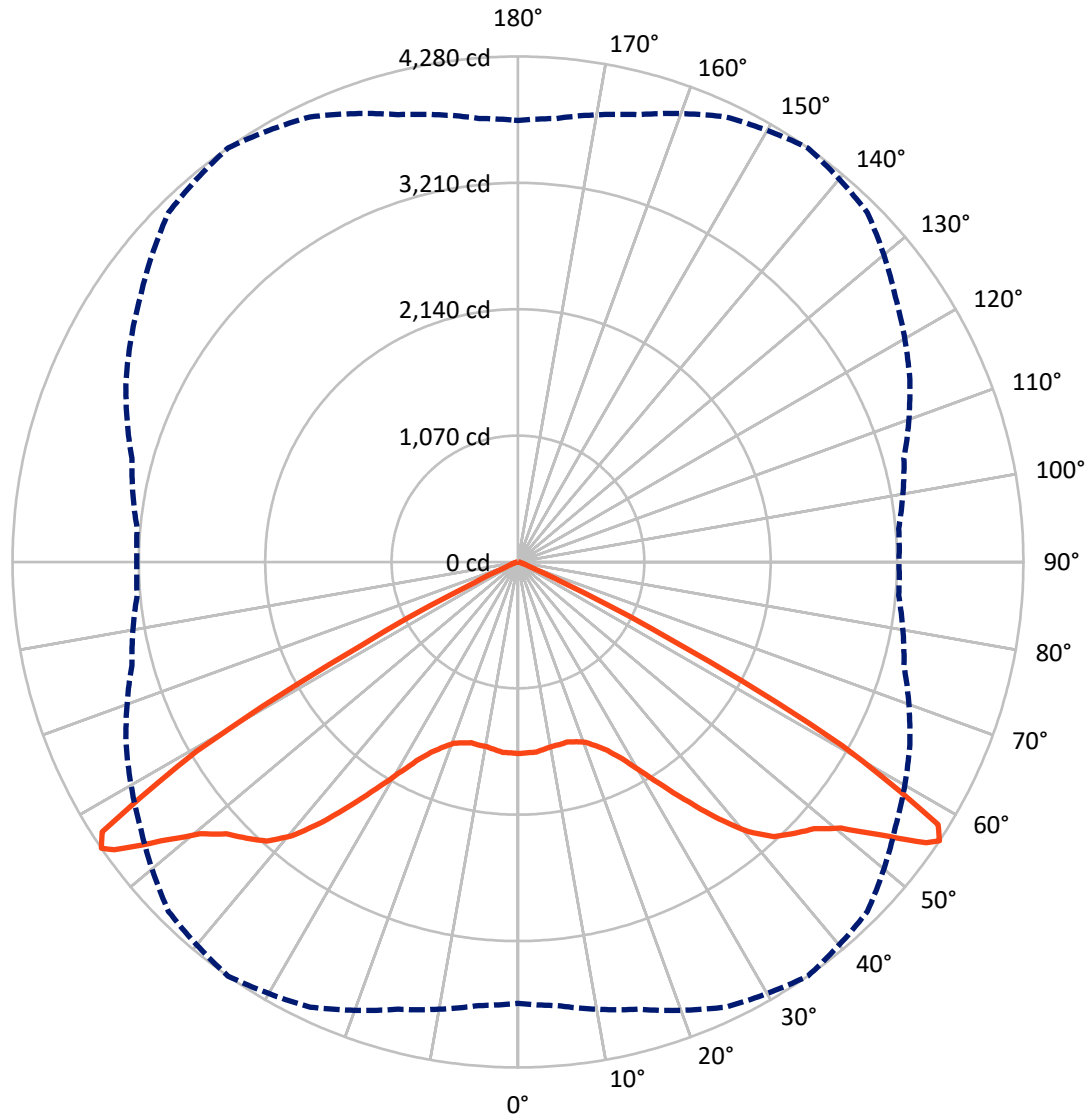
✕ Max cd  
 - - - 1/2 Max cd



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 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4629.5	0.0	4629.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4629.5	0.0	4629.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9259.0	0.0	9259.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.5	1.6
10°-20°	445.2	4.8
20°-30°	806.1	8.7
30°-40°	1494.9	16.1
40°-50°	2453.7	26.5
50°-60°	3161.1	34.1
60°-70°	696.7	7.5
70°-80°	40.4	0.4
80°-90°	8.5	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°	9259.0	100.0
0°-180°	9259.0	100.0

**Coefficient of Utilization**

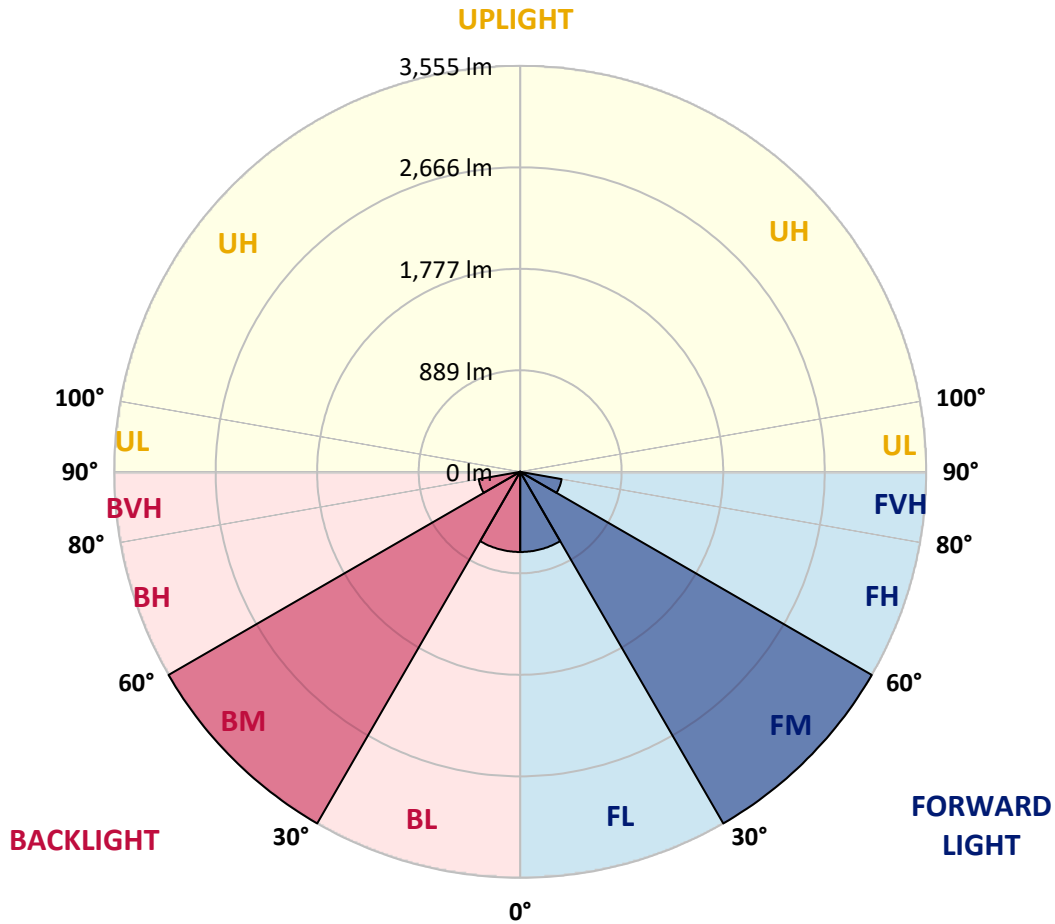


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.9	7.6			
FM (30°-60°)	3554.8	38.4			
FH (60°-80°)	368.5	4.0			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	701.9	7.6	B2/1000		
BM (30°-60°)	3554.8	38.4	B3/5000		
BH (60°-80°)	368.5	4.0	B1/500		G0/660
BVH (80°-90°)	4.3	0.0			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°	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4	1622.4
2.5°	1625.7	1625.7	1627.4	1629.1	1617.3	1612.3	1614.0	1610.6	1609.0	1614.0	1614.0
5°	1620.7	1620.7	1615.7	1617.3	1617.3	1602.2	1602.2	1605.6	1605.6	1595.5	1592.2
7.5°	1607.3	1603.9	1597.2	1605.6	1600.6	1600.6	1588.8	1580.4	1577.1	1583.8	1577.1
10°	1578.8	1580.4	1587.1	1590.5	1587.1	1597.2	1577.1	1565.3	1553.6	1548.6	1548.6
12.5°	1565.3	1575.4	1565.3	1573.7	1585.5	1577.1	1565.3	1556.9	1540.2	1533.5	1533.5
15°	1563.7	1570.4	1573.7	1585.5	1580.4	1583.8	1560.3	1550.2	1525.1	1513.3	1508.3
17.5°	1562.0	1570.4	1575.4	1597.2	1600.6	1602.2	1583.8	1553.6	1531.8	1520.0	1508.3
20°	1580.4	1583.8	1593.9	1615.7	1629.1	1652.6	1619.0	1587.1	1540.2	1526.7	1521.7
22.5°	1603.9	1620.7	1630.8	1654.3	1689.5	1709.6	1666.0	1625.7	1577.1	1560.3	1540.2
25°	1679.4	1676.1	1692.8	1741.5	1770.0	1785.1	1749.9	1691.2	1627.4	1607.3	1610.6
27.5°	1773.4	1776.7	1791.8	1845.5	1887.5	1910.9	1869.0	1791.8	1729.8	1696.2	1692.8
30°	1895.8	1892.5	1909.3	1981.4	2056.9	2092.1	2018.3	1927.7	1867.3	1823.7	1833.8
32.5°	2025.0	2026.7	2073.7	2139.1	2261.6	2330.4	2211.3	2100.5	2009.9	1979.7	1964.6
35°	2216.3	2224.7	2261.6	2362.3	2498.2	2587.1	2456.2	2323.7	2219.7	2164.3	2171.0
37.5°	2452.9	2444.5	2506.5	2615.6	2758.2	2823.6	2712.9	2561.9	2456.2	2419.3	2442.8
40°	2704.5	2712.9	2744.8	2843.8	3003.2	3046.8	2882.4	2800.2	2707.9	2689.4	2717.9
42.5°	2956.2	2951.1	2974.6	3063.6	3179.3	3149.1	3051.8	3003.2	2937.7	2900.8	2939.4
45°	3140.7	3132.3	3176.0	3236.4	3278.3	3221.3	3177.6	3160.9	3127.3	3087.0	3122.3
47.5°	3320.3	3313.5	3355.5	3372.3	3375.6	3300.1	3308.5	3338.7	3254.8	3170.9	3211.2
50°	3472.9	3461.2	3513.2	3550.1	3541.7	3420.9	3451.1	3420.9	3290.1	3191.1	3176.0
52.5°	3727.9	3733.0	3788.3	3855.4	3835.3	3734.7	3691.0	3553.5	3385.7	3296.8	3244.8
55°	3889.0	3863.8	3959.5	4172.5	4196.0	4092.0	3899.1	3696.1	3444.4	3335.3	3321.9
56°	3738.0	3769.9	3920.9	4159.1	4279.9	4184.3	3904.1	3660.8	3384.0	3236.4	3226.3
57.5°	3353.8	3337.0	3541.7	3867.2	4196.0	4155.8	3766.5	3409.2	3087.0	2920.9	2900.8
60°	2087.1	2135.8	2315.3	2717.9	3157.5	3177.6	2791.8	2484.7	2108.9	1961.3	1996.5
62.5°	817.1	775.1	887.5	1187.8	1489.8	1556.9	1411.0	1172.7	963.0	817.1	807.0
65°	189.6	184.6	208.0	286.9	401.0	464.7	441.2	317.1	233.2	221.5	204.7
67.5°	107.4	107.4	102.3	102.3	112.4	119.1	114.1	112.4	117.4	122.5	120.8
70°	75.5	73.8	70.5	72.1	68.8	68.8	73.8	82.2	88.9	88.9	90.6
72.5°	45.3	45.3	45.3	50.3	50.3	50.3	55.4	62.1	63.8	62.1	60.4
75°	20.1	20.1	23.5	28.5	31.9	33.6	38.6	41.9	45.3	41.9	38.6
77.5°	5.0	5.0	8.4	11.7	15.1	18.5	25.2	30.2	31.9	30.2	25.2
80°	1.7	1.7	3.4	8.4	15.1	18.5	25.2	26.8	28.5	25.2	20.1
82.5°	1.7	1.7	3.4	8.4	11.7	15.1	20.1	23.5	25.2	21.8	20.1
85°	0.0	1.7	3.4	6.7	10.1	13.4	13.4	10.1	8.4	5.0	6.7
87.5°	0.0	0.0	1.7	1.7	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)