

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: P527605

Luminaire Tested: **GALN-SA2C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-827-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6717 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

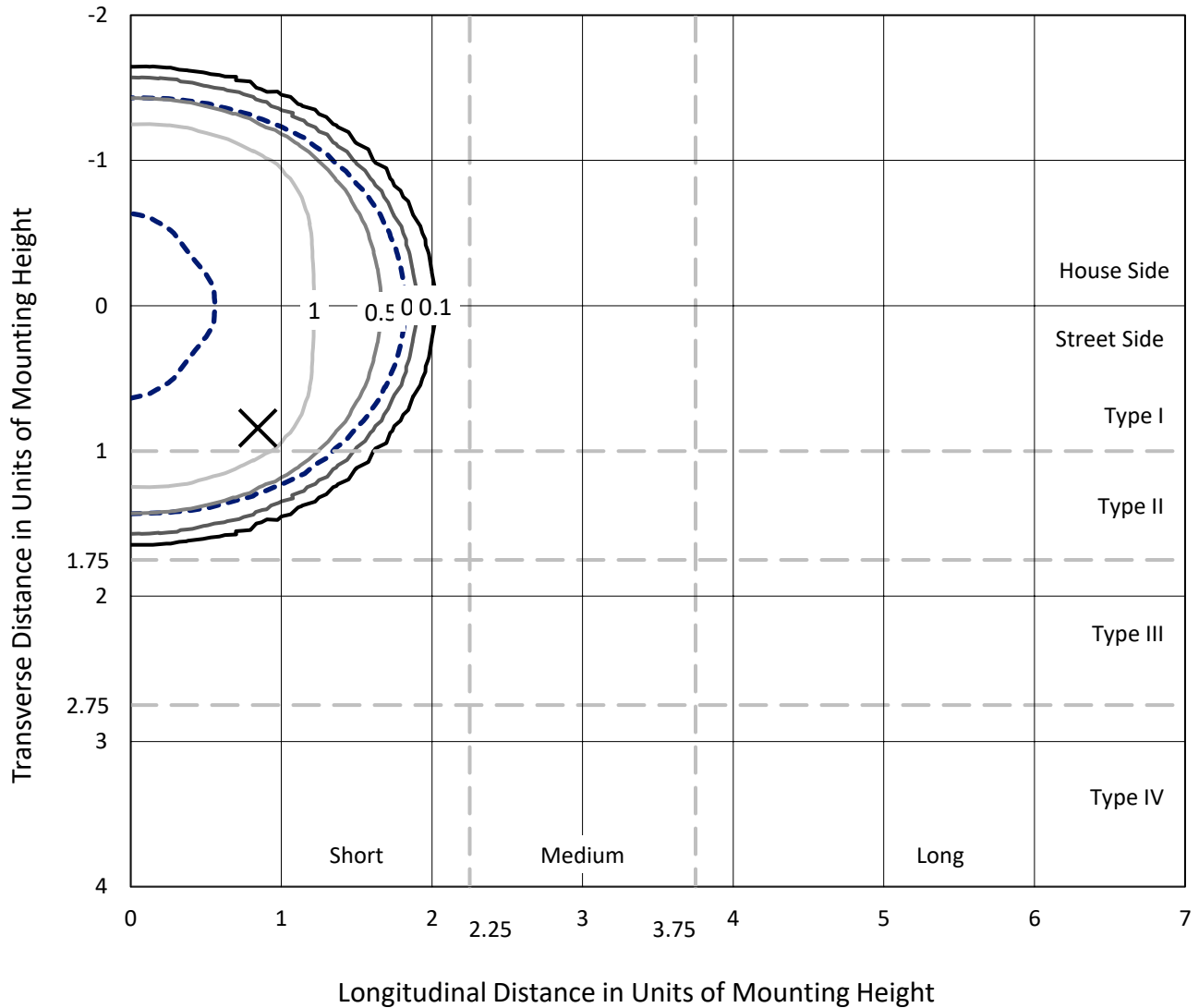
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

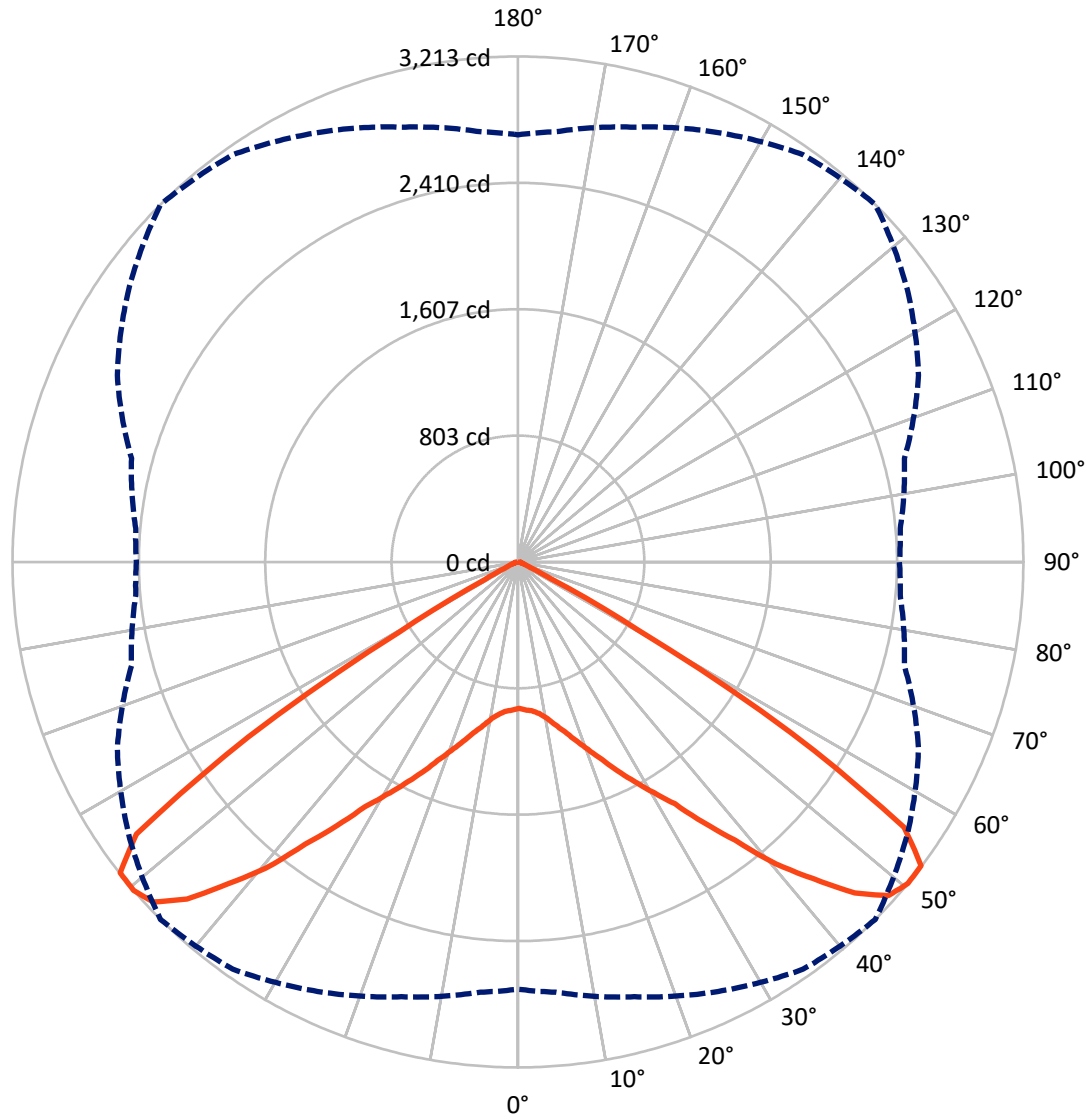
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3358.5	0.0	3358.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3358.5	0.0	3358.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6717.0	0.0	6717.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.6	1.4
10°-20°	319.3	4.8
20°-30°	652.1	9.7
30°-40°	1243.6	18.5
40°-50°	2095.7	31.2
50°-60°	1998.6	29.8
60°-70°	279.0	4.2
70°-80°	26.7	0.4
80°-90°	9.2	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°	6717.0	100.0
0°-180°	6717.0	100.0

**Coefficient of Utilization**



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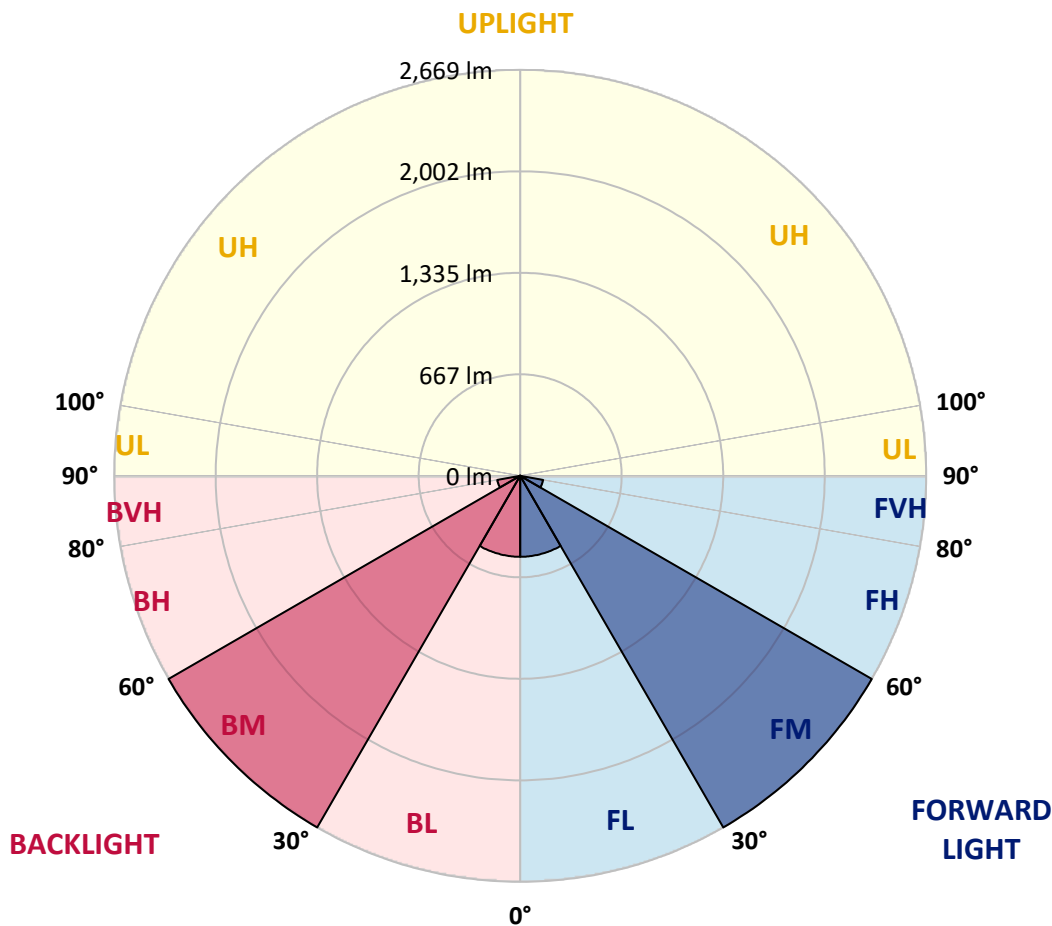
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.0	7.9			
FM (30°-60°)	2669.0	39.7			
FH (60°-80°)	152.8	2.3			G0/660
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	532.0	7.9	B2/1000		
BM (30°-60°)	2669.0	39.7	B3/5000		
BH (60°-80°)	152.8	2.3	B1/500		G0/660
BVH (80°-90°)	4.6	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°	931.2	931.2	931.2	931.2	931.2	931.2	931.2	931.2	931.2	931.2	931.2
2.5°	927.8	927.8	926.7	935.8	931.2	941.4	940.3	943.7	947.1	945.9	955.0
5°	919.9	918.8	918.8	929.0	939.1	950.5	960.6	967.4	978.7	978.7	990.0
7.5°	927.8	922.2	930.1	934.6	953.8	973.1	990.0	1003.6	1029.6	1038.6	1035.2
10°	930.1	936.9	942.5	956.1	979.8	1009.2	1023.9	1057.8	1087.2	1107.5	1112.1
12.5°	944.8	955.0	970.8	1003.6	1025.0	1063.5	1083.8	1116.6	1157.3	1179.9	1195.7
15°	973.1	976.4	996.8	1038.6	1084.9	1120.0	1151.6	1175.3	1214.9	1240.9	1242.0
17.5°	1009.2	1023.9	1052.2	1091.7	1140.3	1192.3	1217.2	1243.2	1257.8	1292.9	1300.8
20°	1081.5	1083.8	1110.9	1162.9	1223.9	1271.4	1289.5	1303.1	1297.4	1333.6	1340.4
22.5°	1149.4	1151.6	1185.5	1255.6	1321.1	1361.8	1369.7	1361.8	1344.9	1370.9	1373.1
25°	1218.3	1238.6	1263.5	1333.6	1414.9	1469.2	1470.3	1448.8	1413.8	1418.3	1429.6
27.5°	1325.7	1340.4	1366.3	1430.8	1520.0	1581.1	1570.9	1544.9	1499.7	1503.1	1499.7
30°	1451.1	1464.7	1486.1	1568.6	1634.2	1700.9	1715.6	1690.7	1622.9	1608.2	1625.1
32.5°	1602.5	1621.8	1661.3	1737.0	1792.4	1833.1	1843.3	1834.2	1770.9	1765.3	1776.6
35°	1786.8	1812.8	1848.9	1915.6	1960.8	2034.3	2034.3	2003.7	1946.1	1952.9	1951.8
37.5°	1981.1	2019.6	2076.1	2143.9	2204.9	2244.5	2232.0	2206.0	2148.4	2133.7	2148.4
40°	2225.3	2244.5	2315.7	2403.8	2478.4	2523.6	2470.5	2414.0	2276.1	2297.6	2337.1
42.5°	2447.9	2478.4	2532.7	2629.8	2714.6	2751.9	2688.6	2576.7	2410.6	2393.6	2423.0
45°	2637.8	2670.5	2741.7	2880.7	2970.0	3002.8	2862.7	2681.8	2492.0	2449.0	2461.5
47.5°	2764.3	2781.3	2880.7	3013.0	3094.3	3168.9	2967.8	2754.2	2530.4	2449.0	2444.5
50°	2715.7	2745.1	2861.5	3011.8	3159.9	3213.0	3020.9	2809.5	2542.8	2438.8	2425.3
52.5°	2411.7	2462.6	2592.5	2794.8	3018.6	3208.5	3094.3	2791.5	2538.3	2449.0	2469.4
55°	1678.3	1679.4	1837.6	2136.0	2531.5	2979.1	2987.0	2811.8	2567.7	2512.3	2513.4
57.5°	674.7	708.6	829.5	1129.0	1494.0	2045.6	2432.1	2608.4	2571.1	2557.5	2592.5
60°	170.7	171.8	209.1	318.7	525.5	877.0	1273.7	1723.5	1984.5	2073.8	2086.2
62.5°	87.0	88.2	97.2	113.0	143.5	235.1	418.2	663.4	943.7	1086.1	1123.4
65°	71.2	71.2	76.8	84.8	85.9	90.4	108.5	154.8	224.9	255.4	258.8
67.5°	54.2	54.2	58.8	63.3	65.5	64.4	62.2	64.4	78.0	74.6	72.3
70°	33.9	35.0	37.3	41.8	44.1	45.2	46.3	48.6	55.4	57.6	55.4
72.5°	20.3	20.3	21.5	24.9	28.3	30.5	33.9	36.2	39.6	45.2	44.1
75°	9.0	9.0	11.3	14.7	18.1	21.5	24.9	28.3	30.5	33.9	35.0
77.5°	2.3	3.4	5.7	10.2	13.6	18.1	22.6	26.0	28.3	28.3	27.1
80°	1.1	1.1	4.5	7.9	14.7	19.2	24.9	27.1	30.5	28.3	24.9
82.5°	1.1	1.1	4.5	7.9	13.6	19.2	26.0	29.4	31.6	28.3	23.7
85°	0.0	1.1	3.4	6.8	11.3	13.6	11.3	7.9	4.5	4.5	3.4
87.5°	0.0	0.0	1.1	1.1	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)