

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: P527627

Luminaire Tested: **GALN-SA2C-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527627  
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-SA2C-830-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA 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: 5860 lumens  
Efficiency: N/A  
Efficacy: 54.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

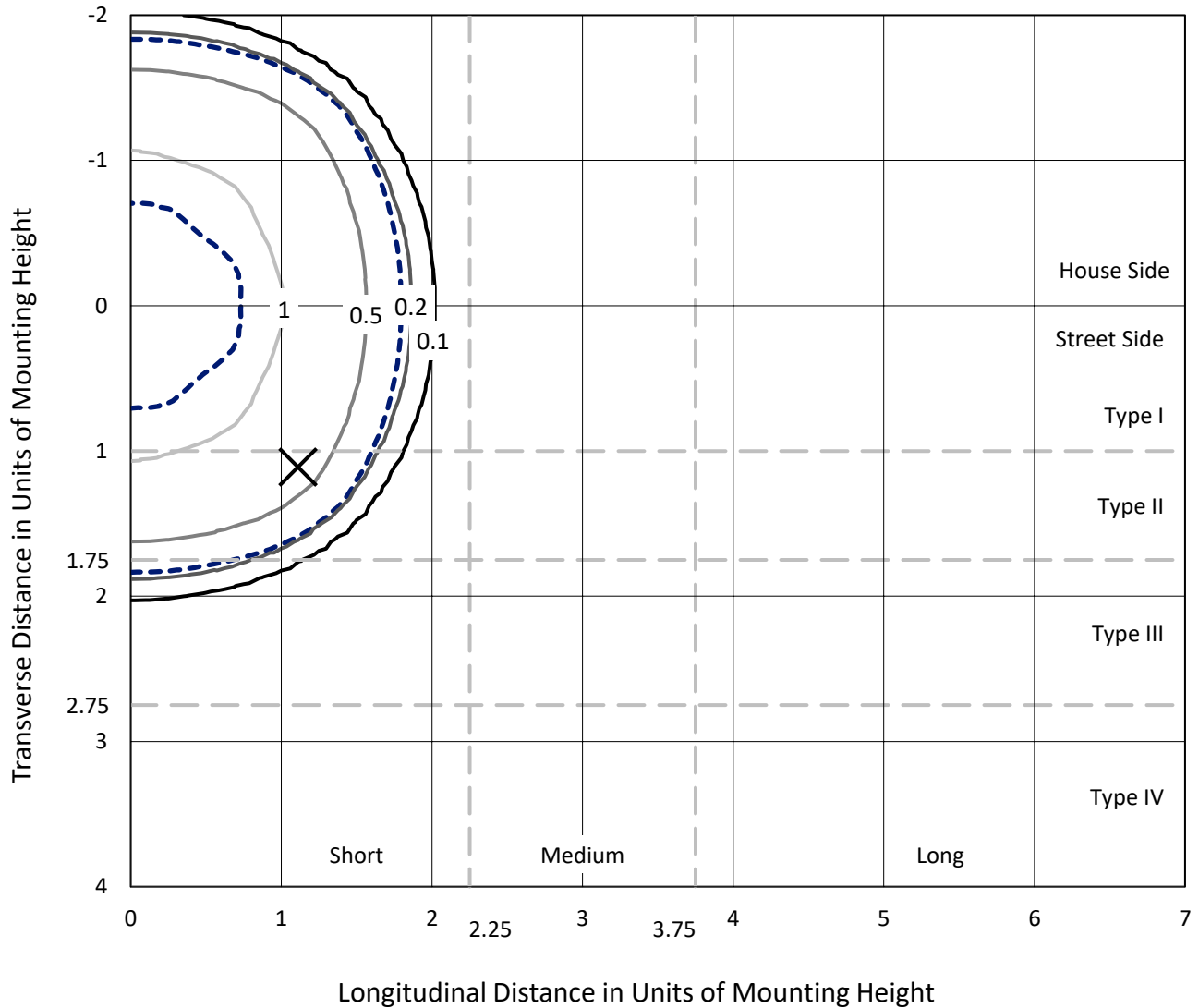
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

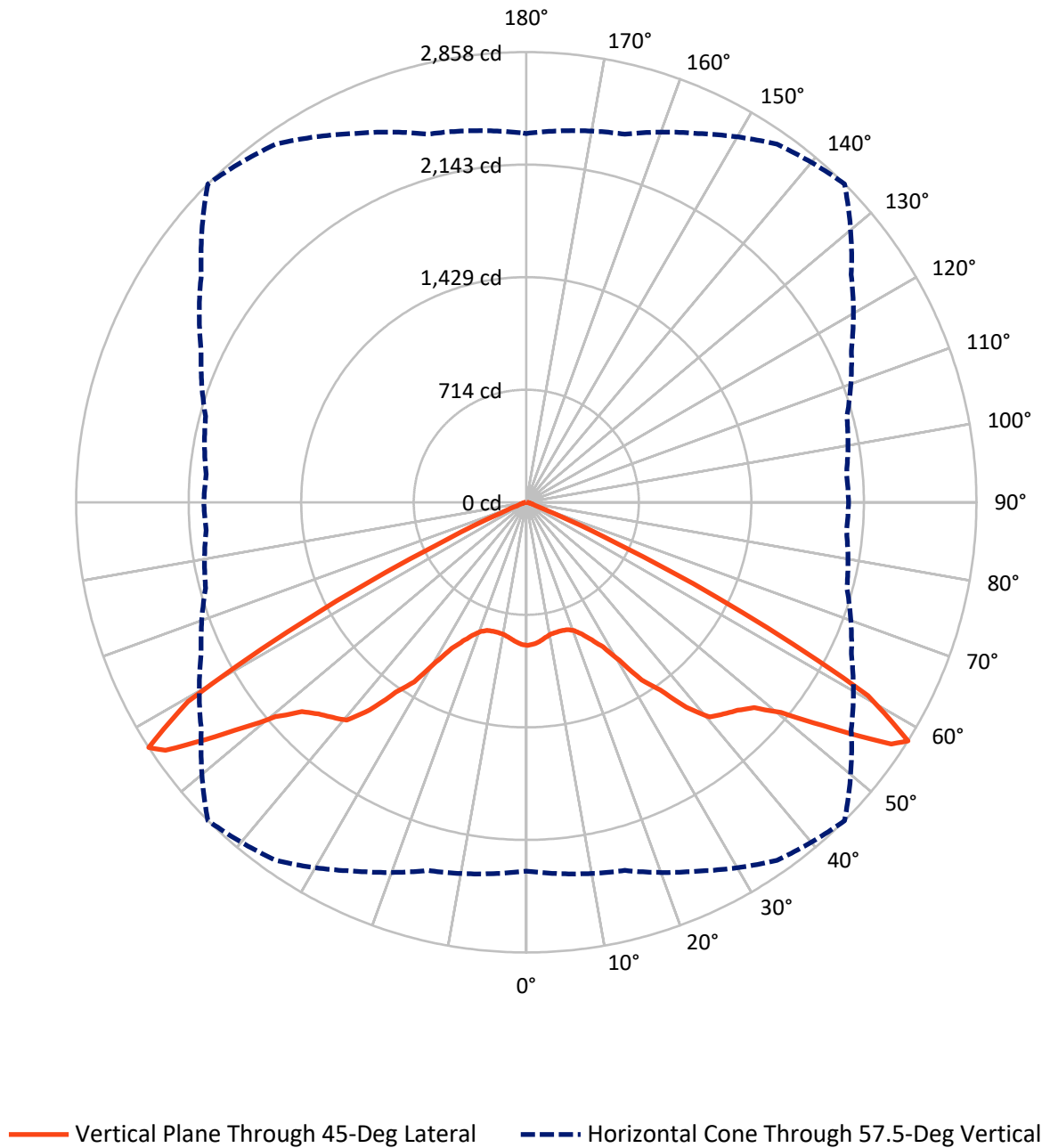
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5860.0	0.0	5860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	1.4
10°-20°	241.4	4.1
20°-30°	445.7	7.6
30°-40°	876.4	15.0
40°-50°	1427.5	24.4
50°-60°	2035.8	34.7
60°-70°	704.8	12.0
70°-80°	37.8	0.6
80°-90°	7.1	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°	5860.0	100.0
0°-180°	5860.0	100.0

**Coefficient of Utilization**



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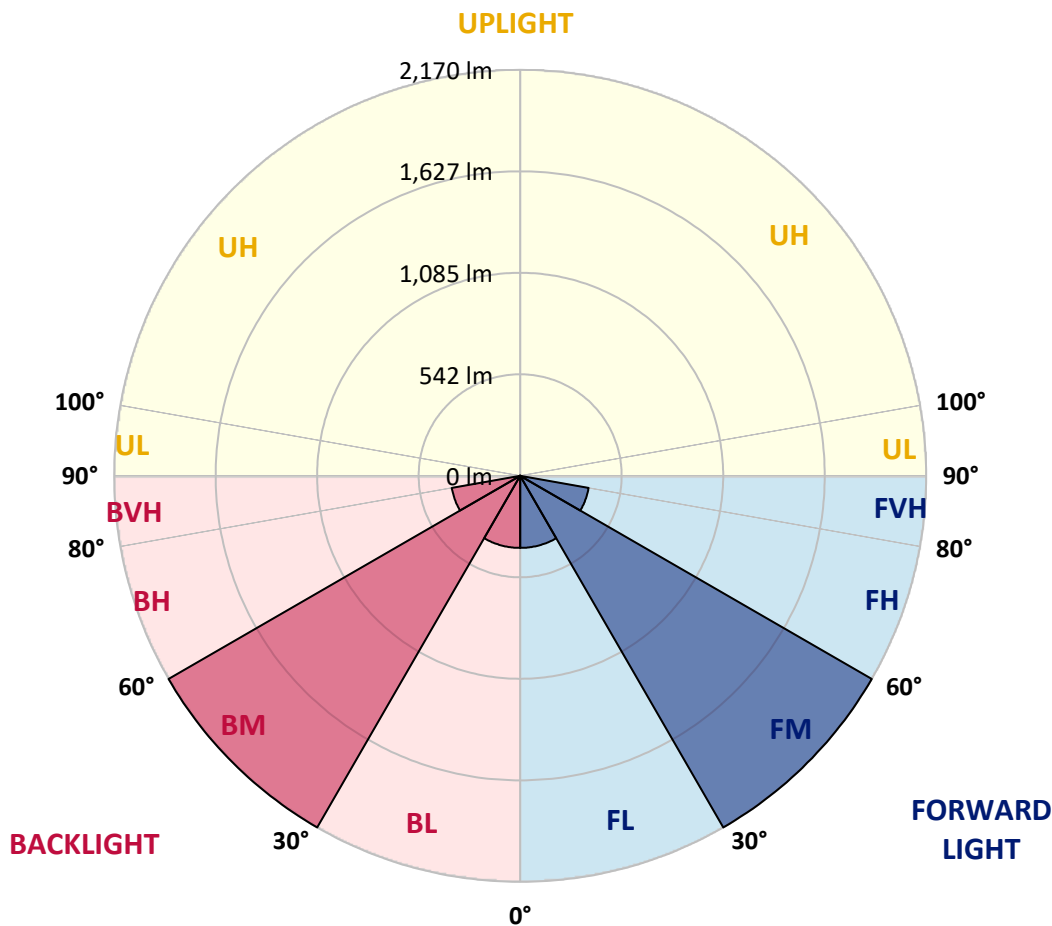
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.3	6.6			
FM (30°-60°)	2169.8	37.0			
FH (60°-80°)	371.3	6.3			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	385.3	6.6	B1/500		
BM (30°-60°)	2169.8	37.0	B2/2500		
BH (60°-80°)	371.3	6.3	B1/500		G0/660
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9	908.9
2.5°	906.5	911.4	905.3	902.8	901.6	901.6	898.0	898.0	896.7	898.0	893.1
5°	891.8	896.7	896.7	895.5	888.2	887.0	883.3	880.8	882.1	877.2	880.8
7.5°	877.2	880.8	876.0	874.7	872.3	867.4	866.2	855.2	856.4	856.4	858.9
10°	874.7	873.5	866.2	860.1	852.7	851.5	847.9	845.4	845.4	844.2	847.9
12.5°	874.7	868.6	867.4	854.0	841.8	846.6	836.9	830.8	839.3	841.8	846.6
15°	873.5	879.6	858.9	852.7	844.2	845.4	836.9	830.8	835.6	838.1	841.8
17.5°	880.8	877.2	871.1	858.9	855.2	850.3	839.3	834.4	834.4	840.5	841.8
20°	900.4	890.6	878.4	872.3	876.0	869.9	856.4	838.1	843.0	847.9	851.5
22.5°	918.7	911.4	902.8	899.2	919.9	910.2	887.0	866.2	858.9	867.4	873.5
25°	954.2	954.2	938.3	943.2	966.4	967.6	940.7	904.1	899.2	902.8	905.3
27.5°	1026.2	1029.9	1016.5	1021.3	1031.1	1039.7	1016.5	985.9	974.9	973.7	977.4
30°	1104.4	1111.8	1110.5	1131.3	1159.4	1164.3	1130.1	1080.0	1047.0	1040.9	1045.8
32.5°	1207.0	1210.7	1208.3	1232.7	1308.4	1343.9	1254.7	1183.8	1139.8	1150.8	1139.8
35°	1400.1	1396.4	1369.5	1374.4	1436.7	1462.4	1376.9	1331.7	1310.9	1332.9	1328.0
37.5°	1566.2	1552.8	1530.8	1562.6	1627.3	1650.5	1561.3	1481.9	1444.1	1480.7	1496.6
40°	1706.7	1672.5	1642.0	1673.7	1760.5	1792.2	1661.5	1596.8	1582.1	1609.0	1643.2
42.5°	1825.2	1803.2	1762.9	1765.4	1822.8	1837.4	1732.4	1694.5	1679.8	1722.6	1739.7
45°	1909.5	1888.8	1850.9	1848.4	1892.4	1882.6	1788.6	1762.9	1771.5	1799.6	1808.1
47.5°	1952.3	1963.3	1941.3	1947.4	1970.6	1947.4	1872.9	1872.9	1853.3	1870.4	1861.9
50°	2075.7	2041.5	2069.6	2069.6	2094.0	2096.4	2021.9	1995.0	1942.5	1913.2	1913.2
52.5°	2219.8	2222.3	2233.3	2273.6	2315.1	2350.6	2244.3	2129.4	2041.5	2003.6	1998.7
55°	2338.3	2362.8	2406.8	2482.5	2602.2	2651.1	2467.8	2262.6	2155.1	2096.4	2084.2
56°	2403.1	2379.9	2455.6	2559.5	2715.8	2779.4	2504.5	2289.5	2171.0	2105.0	2103.8
57.5°	2340.8	2366.4	2419.0	2582.7	2774.5	2857.6	2517.9	2277.3	2107.4	2040.2	2046.4
60°	1848.4	1872.9	1943.7	2127.0	2427.5	2492.3	2130.7	1877.8	1726.3	1629.8	1631.0
62.5°	1045.8	1064.1	1119.1	1288.9	1475.8	1538.1	1328.0	1159.4	1054.3	1000.6	983.5
65°	384.8	377.5	386.1	472.8	587.6	640.2	552.2	466.7	411.7	392.2	384.8
67.5°	144.2	133.2	124.6	133.2	167.4	177.1	162.5	135.6	127.1	130.7	133.2
70°	89.2	84.3	67.2	63.5	62.3	61.1	64.8	68.4	78.2	91.6	94.1
72.5°	62.3	58.6	47.6	45.2	42.8	41.5	47.6	52.5	61.1	70.9	72.1
75°	24.4	25.7	24.4	26.9	28.1	29.3	34.2	37.9	41.5	41.5	40.3
77.5°	4.9	4.9	7.3	9.8	12.2	15.9	23.2	26.9	28.1	26.9	23.2
80°	0.0	0.0	2.4	4.9	9.8	13.4	20.8	23.2	25.7	23.2	18.3
82.5°	0.0	0.0	2.4	6.1	9.8	12.2	19.5	24.4	28.1	25.7	19.5
85°	0.0	0.0	2.4	4.9	7.3	8.6	8.6	6.1	6.1	3.7	2.4
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)