

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: P527965

Luminaire Tested: **GALN-SA3A-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527965  
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-SA3A-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 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: 6634 lumens  
Efficiency: N/A  
Efficacy: 71.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

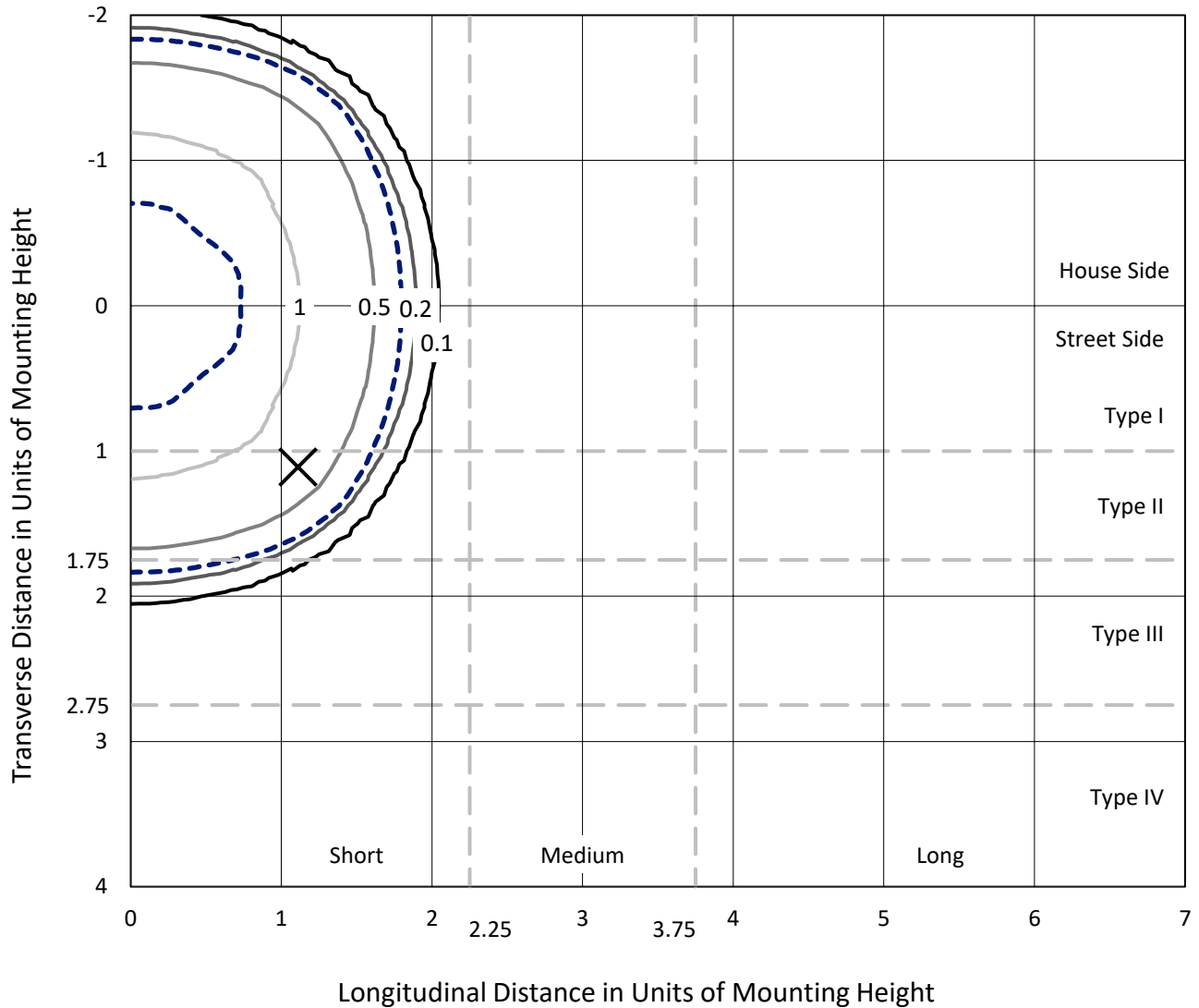
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

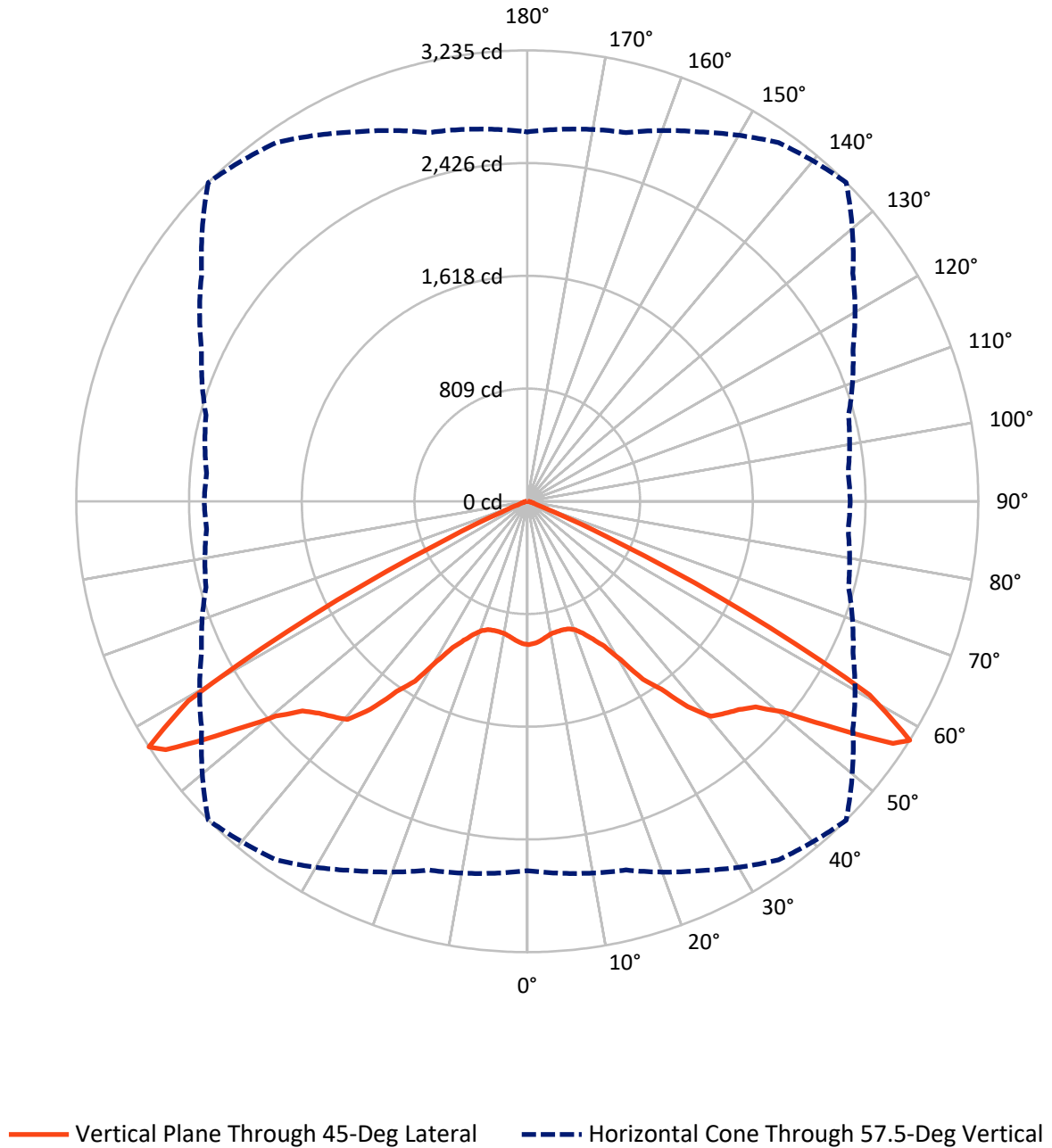
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	3317.0	0.0	3317.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3317.0	0.0	3317.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6634.0	0.0	6634.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.6	1.4
10°-20°	273.3	4.1
20°-30°	504.5	7.6
30°-40°	992.2	15.0
40°-50°	1616.0	24.4
50°-60°	2304.6	34.7
60°-70°	797.9	12.0
70°-80°	42.8	0.6
80°-90°	8.0	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°	6634.0	100.0
0°-180°	6634.0	100.0

**Coefficient of Utilization**



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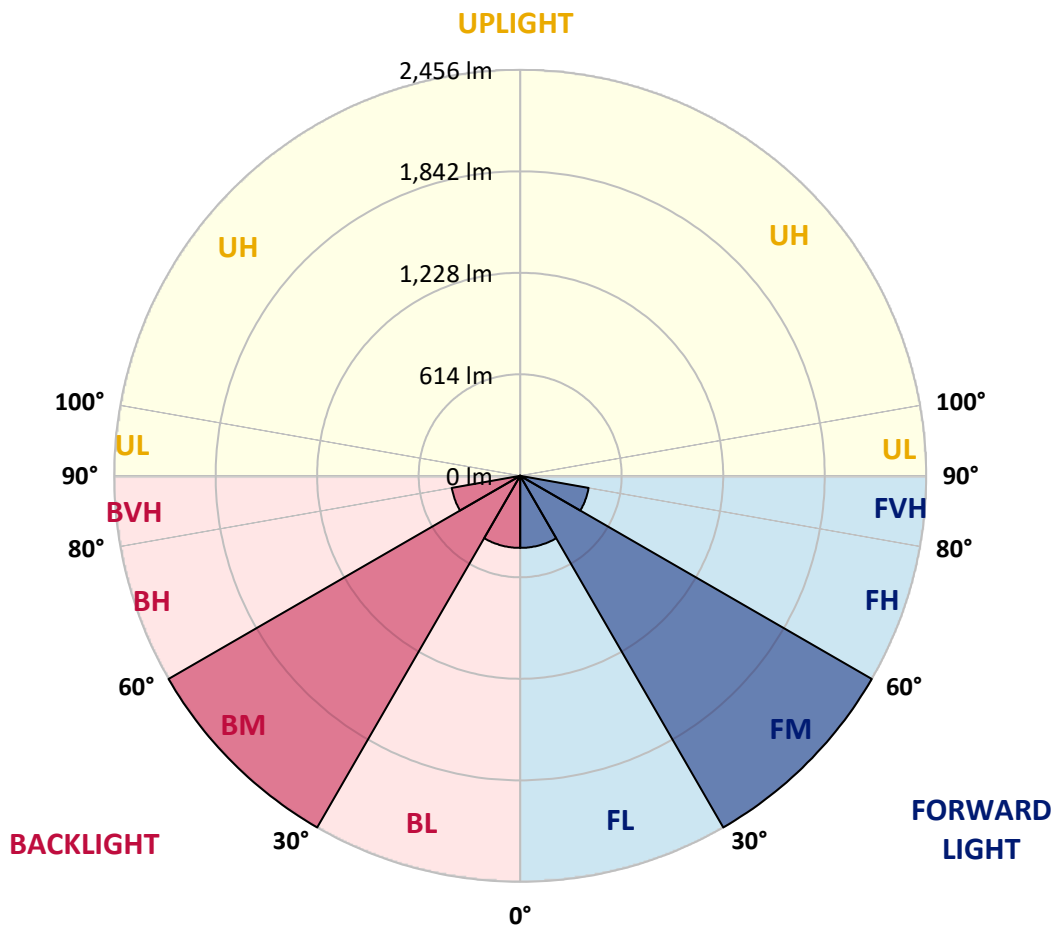
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.2	6.6			
FM (30°-60°)	2456.4	37.0			
FH (60°-80°)	420.4	6.3			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	436.2	6.6	B1/500		
BM (30°-60°)	2456.4	37.0	B2/2500		
BH (60°-80°)	420.4	6.3	B1/500		G0/660
BVH (80°-90°)	4.0	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°	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0	1029.0
2.5°	1026.2	1031.8	1024.9	1022.1	1020.7	1020.7	1016.6	1016.6	1015.2	1016.6	1011.0
5°	1009.6	1015.2	1015.2	1013.8	1005.5	1004.1	1000.0	997.2	998.6	993.0	997.2
7.5°	993.0	997.2	991.7	990.3	987.5	982.0	980.6	968.1	969.5	969.5	972.3
10°	990.3	988.9	980.6	973.7	965.4	964.0	959.8	957.1	957.1	955.7	959.8
12.5°	990.3	983.4	982.0	966.8	952.9	958.5	947.4	940.5	950.2	952.9	958.5
15°	988.9	995.8	972.3	965.4	955.7	957.1	947.4	940.5	946.0	948.8	952.9
17.5°	997.2	993.0	986.1	972.3	968.1	962.6	950.2	944.6	944.6	951.6	952.9
20°	1019.3	1008.3	994.4	987.5	991.7	984.7	969.5	948.8	954.3	959.8	964.0
22.5°	1040.1	1031.8	1022.1	1017.9	1041.5	1030.4	1004.1	980.6	972.3	982.0	988.9
25°	1080.2	1080.2	1062.2	1067.7	1094.0	1095.4	1065.0	1023.5	1017.9	1022.1	1024.9
27.5°	1161.8	1165.9	1150.7	1156.2	1167.3	1177.0	1150.7	1116.1	1103.7	1102.3	1106.5
30°	1250.3	1258.6	1257.2	1280.7	1312.5	1318.1	1279.3	1222.6	1185.3	1178.4	1183.9
32.5°	1366.5	1370.6	1367.9	1395.5	1481.3	1521.4	1420.4	1340.2	1290.4	1302.9	1290.4
35°	1585.0	1580.8	1550.4	1556.0	1626.5	1655.5	1558.7	1507.5	1484.0	1508.9	1503.4
37.5°	1773.1	1757.9	1733.0	1768.9	1842.2	1868.5	1767.6	1677.7	1634.8	1676.3	1694.3
40°	1932.1	1893.4	1858.8	1894.8	1993.0	2029.0	1881.0	1807.7	1791.1	1821.5	1860.2
42.5°	2066.3	2041.4	1995.8	1998.5	2063.5	2080.1	1961.2	1918.3	1901.7	1950.1	1969.5
45°	2161.7	2138.2	2095.3	2092.6	2142.4	2131.3	2024.8	1995.8	2005.4	2037.3	2046.9
47.5°	2210.1	2222.6	2197.7	2204.6	2230.9	2204.6	2120.2	2120.2	2098.1	2117.5	2107.8
50°	2349.8	2311.1	2342.9	2342.9	2370.6	2373.3	2289.0	2258.6	2199.1	2165.9	2165.9
52.5°	2513.0	2515.8	2528.2	2573.9	2620.9	2661.0	2540.7	2410.7	2311.1	2268.2	2262.7
55°	2647.2	2674.9	2724.6	2810.4	2945.9	3001.3	2793.8	2561.4	2439.7	2373.3	2359.5
56°	2720.5	2694.2	2780.0	2897.5	3074.6	3146.5	2835.3	2591.9	2457.7	2383.0	2381.6
57.5°	2650.0	2679.0	2738.5	2923.8	3140.9	3235.0	2850.5	2578.0	2385.8	2309.7	2316.6
60°	2092.6	2120.2	2200.5	2407.9	2748.2	2821.5	2412.1	2125.8	1954.3	1845.0	1846.4
62.5°	1183.9	1204.7	1266.9	1459.1	1670.7	1741.3	1503.4	1312.5	1193.6	1132.7	1113.4
65°	435.7	427.4	437.0	535.2	665.3	724.7	625.1	528.3	466.1	444.0	435.7
67.5°	163.2	150.8	141.1	150.8	189.5	200.5	183.9	153.5	143.8	148.0	150.8
70°	101.0	95.4	76.1	71.9	70.5	69.2	73.3	77.5	88.5	103.7	106.5
72.5°	70.5	66.4	53.9	51.2	48.4	47.0	53.9	59.5	69.2	80.2	81.6
75°	27.7	29.0	27.7	30.4	31.8	33.2	38.7	42.9	47.0	47.0	45.6
77.5°	5.5	5.5	8.3	11.1	13.8	18.0	26.3	30.4	31.8	30.4	26.3
80°	0.0	0.0	2.8	5.5	11.1	15.2	23.5	26.3	29.0	26.3	20.7
82.5°	0.0	0.0	2.8	6.9	11.1	13.8	22.1	27.7	31.8	29.0	22.1
85°	0.0	0.0	2.8	5.5	8.3	9.7	9.7	6.9	6.9	4.1	2.8
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)