

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: P528199

Luminaire Tested: **GALN-SA3B-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528199  
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-SA3B-735-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 800mA 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: 8254 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

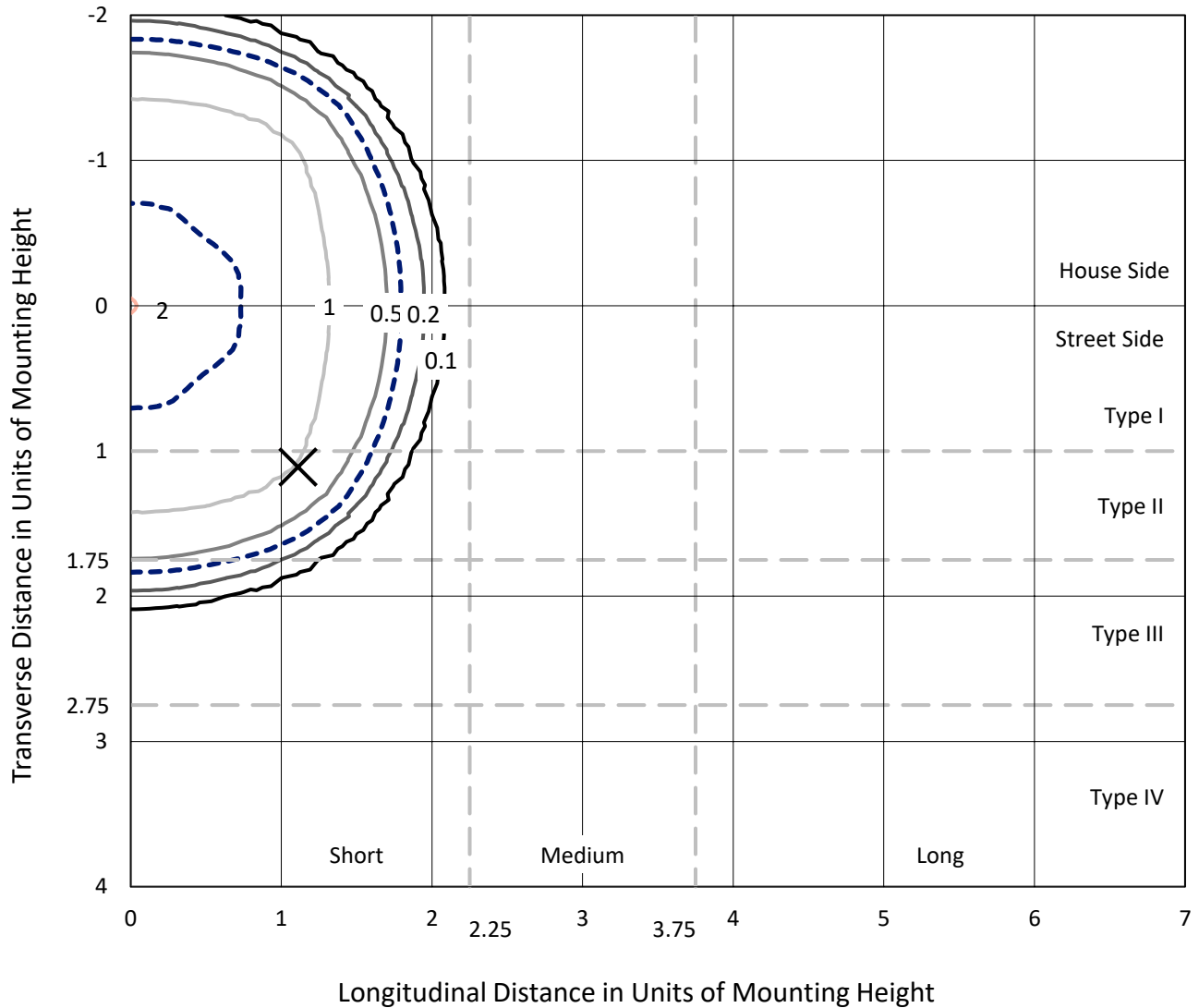
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

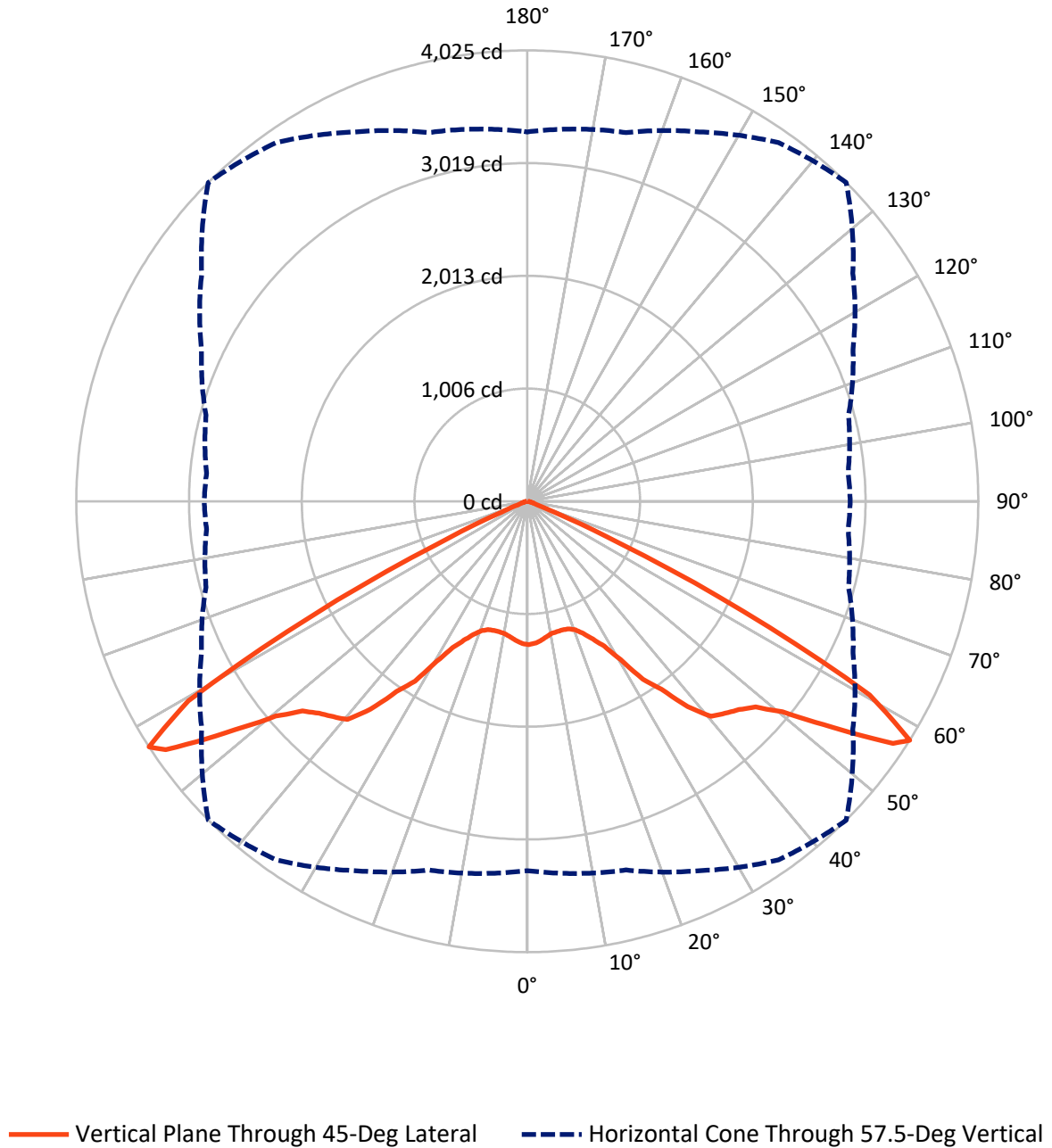
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	4127.0	0.0	4127.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4127.0	0.0	4127.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8254.0	0.0	8254.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.6	1.4
10°-20°	340.1	4.1
20°-30°	627.7	7.6
30°-40°	1234.5	15.0
40°-50°	2010.6	24.4
50°-60°	2867.4	34.7
60°-70°	992.8	12.0
70°-80°	53.3	0.6
80°-90°	10.0	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°	8254.0	100.0
0°-180°	8254.0	100.0

**Coefficient of Utilization**



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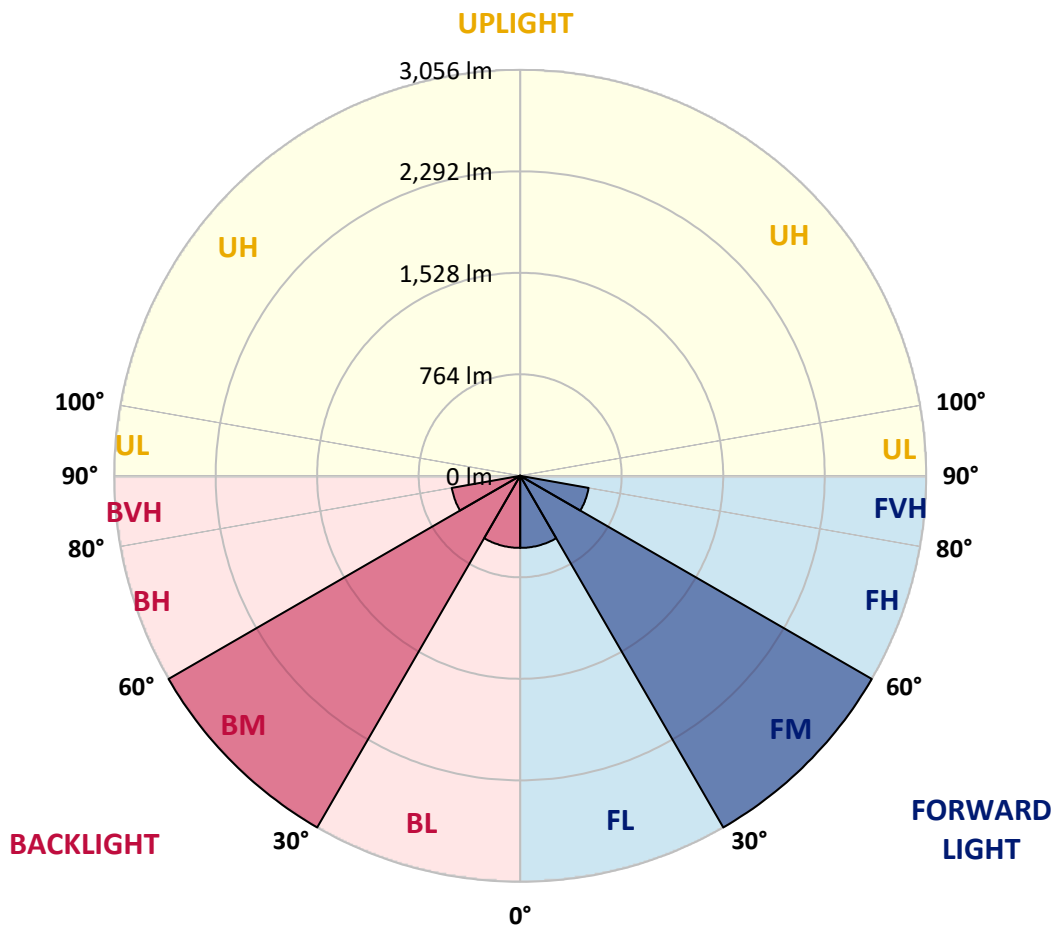
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.7	6.6			
FM (30°-60°)	3056.3	37.0			
FH (60°-80°)	523.0	6.3			G0/660
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	542.7	6.6	B2/1000		
BM (30°-60°)	3056.3	37.0	B3/5000		
BH (60°-80°)	523.0	6.3	B2/1000		G0/660
BVH (80°-90°)	5.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3
2.5°	1276.8	1283.7	1275.1	1271.7	1270.0	1270.0	1264.8	1264.8	1263.1	1264.8	1257.9
5°	1256.2	1263.1	1263.1	1261.4	1251.0	1249.3	1244.1	1240.7	1242.4	1235.5	1240.7
7.5°	1235.5	1240.7	1233.8	1232.1	1228.7	1221.8	1220.1	1204.6	1206.3	1206.3	1209.7
10°	1232.1	1230.4	1220.1	1211.4	1201.1	1199.4	1194.2	1190.8	1190.8	1189.1	1194.2
12.5°	1232.1	1223.5	1221.8	1202.8	1185.6	1192.5	1178.8	1170.2	1182.2	1185.6	1192.5
15°	1230.4	1239.0	1209.7	1201.1	1189.1	1190.8	1178.8	1170.2	1177.0	1180.5	1185.6
17.5°	1240.7	1235.5	1226.9	1209.7	1204.6	1197.7	1182.2	1175.3	1175.3	1183.9	1185.6
20°	1268.2	1254.5	1237.3	1228.7	1233.8	1225.2	1206.3	1180.5	1187.4	1194.2	1199.4
22.5°	1294.0	1283.7	1271.7	1266.5	1295.8	1282.0	1249.3	1220.1	1209.7	1221.8	1230.4
25°	1344.0	1344.0	1321.6	1328.5	1361.2	1362.9	1325.0	1273.4	1266.5	1271.7	1275.1
27.5°	1445.5	1450.6	1431.7	1438.6	1452.4	1464.4	1431.7	1388.7	1373.2	1371.5	1376.6
30°	1555.6	1565.9	1564.2	1593.5	1633.0	1639.9	1591.7	1521.2	1474.7	1466.1	1473.0
32.5°	1700.2	1705.3	1701.9	1736.3	1843.0	1892.9	1767.3	1667.5	1605.5	1621.0	1605.5
35°	1972.0	1966.9	1929.0	1935.9	2023.7	2059.8	1939.4	1875.7	1846.4	1877.4	1870.5
37.5°	2206.1	2187.1	2156.2	2200.9	2292.1	2324.8	2199.2	2087.3	2034.0	2085.6	2108.0
40°	2404.0	2355.8	2312.8	2357.5	2479.7	2524.4	2340.3	2249.1	2228.4	2266.3	2314.5
42.5°	2570.9	2539.9	2483.1	2486.6	2567.4	2588.1	2440.1	2386.8	2366.1	2426.3	2450.4
45°	2689.6	2660.4	2607.0	2603.6	2665.5	2651.8	2519.3	2483.1	2495.2	2534.8	2546.8
47.5°	2749.9	2765.3	2734.4	2743.0	2775.7	2743.0	2638.0	2638.0	2610.5	2634.6	2622.5
50°	2923.7	2875.5	2915.1	2915.1	2949.5	2952.9	2847.9	2810.1	2736.1	2694.8	2694.8
52.5°	3126.7	3130.2	3145.6	3202.4	3260.9	3310.8	3161.1	2999.4	2875.5	2822.1	2815.2
55°	3293.6	3328.0	3390.0	3496.7	3665.3	3734.2	3476.0	3186.9	3035.5	2952.9	2935.7
56°	3384.8	3352.1	3458.8	3605.1	3825.4	3914.8	3527.7	3224.8	3057.9	2965.0	2963.2
57.5°	3297.1	3333.2	3407.2	3637.8	3908.0	4025.0	3546.6	3207.6	2968.4	2873.8	2882.4
60°	2603.6	2638.0	2737.8	2995.9	3419.2	3510.5	3001.1	2644.9	2431.5	2295.6	2297.3
62.5°	1473.0	1498.8	1576.3	1815.5	2078.7	2166.5	1870.5	1633.0	1485.1	1409.3	1385.3
65°	542.1	531.7	543.8	666.0	827.7	901.7	777.8	657.3	579.9	552.4	542.1
67.5°	203.1	187.6	175.5	187.6	235.8	249.5	228.9	191.0	179.0	184.1	187.6
70°	125.6	118.7	94.6	89.5	87.8	86.0	91.2	96.4	110.1	129.1	132.5
72.5°	87.8	82.6	67.1	63.7	60.2	58.5	67.1	74.0	86.0	99.8	101.5
75°	34.4	36.1	34.4	37.9	39.6	41.3	48.2	53.3	58.5	58.5	56.8
77.5°	6.9	6.9	10.3	13.8	17.2	22.4	32.7	37.9	39.6	37.9	32.7
80°	0.0	0.0	3.4	6.9	13.8	18.9	29.3	32.7	36.1	32.7	25.8
82.5°	0.0	0.0	3.4	8.6	13.8	17.2	27.5	34.4	39.6	36.1	27.5
85°	0.0	0.0	3.4	6.9	10.3	12.0	12.0	8.6	8.6	5.2	3.4
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)