

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: P652264

Luminaire Tested: **GALN-SA3B-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652264  
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-840-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 4000K, 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: 7451.2 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

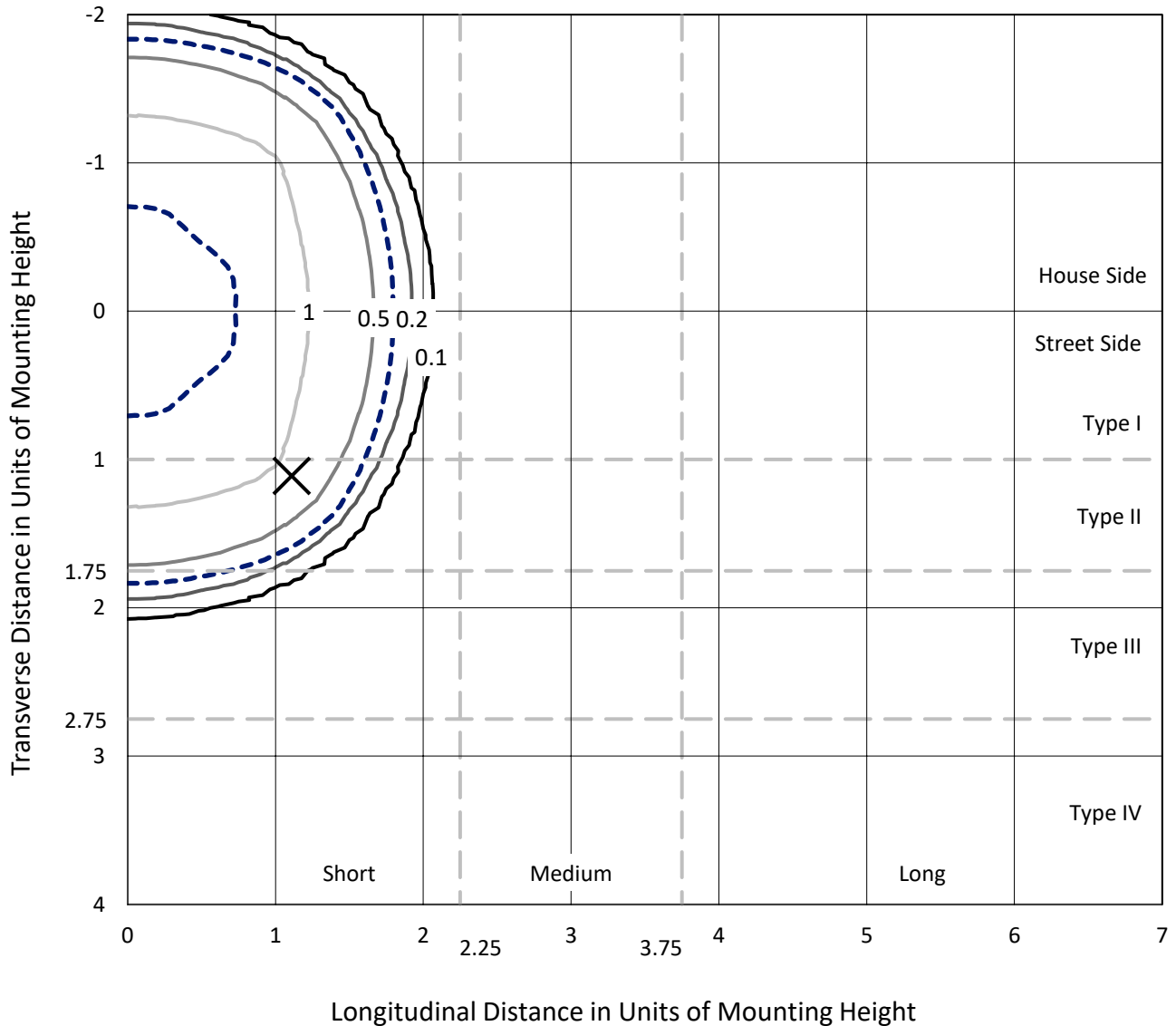
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

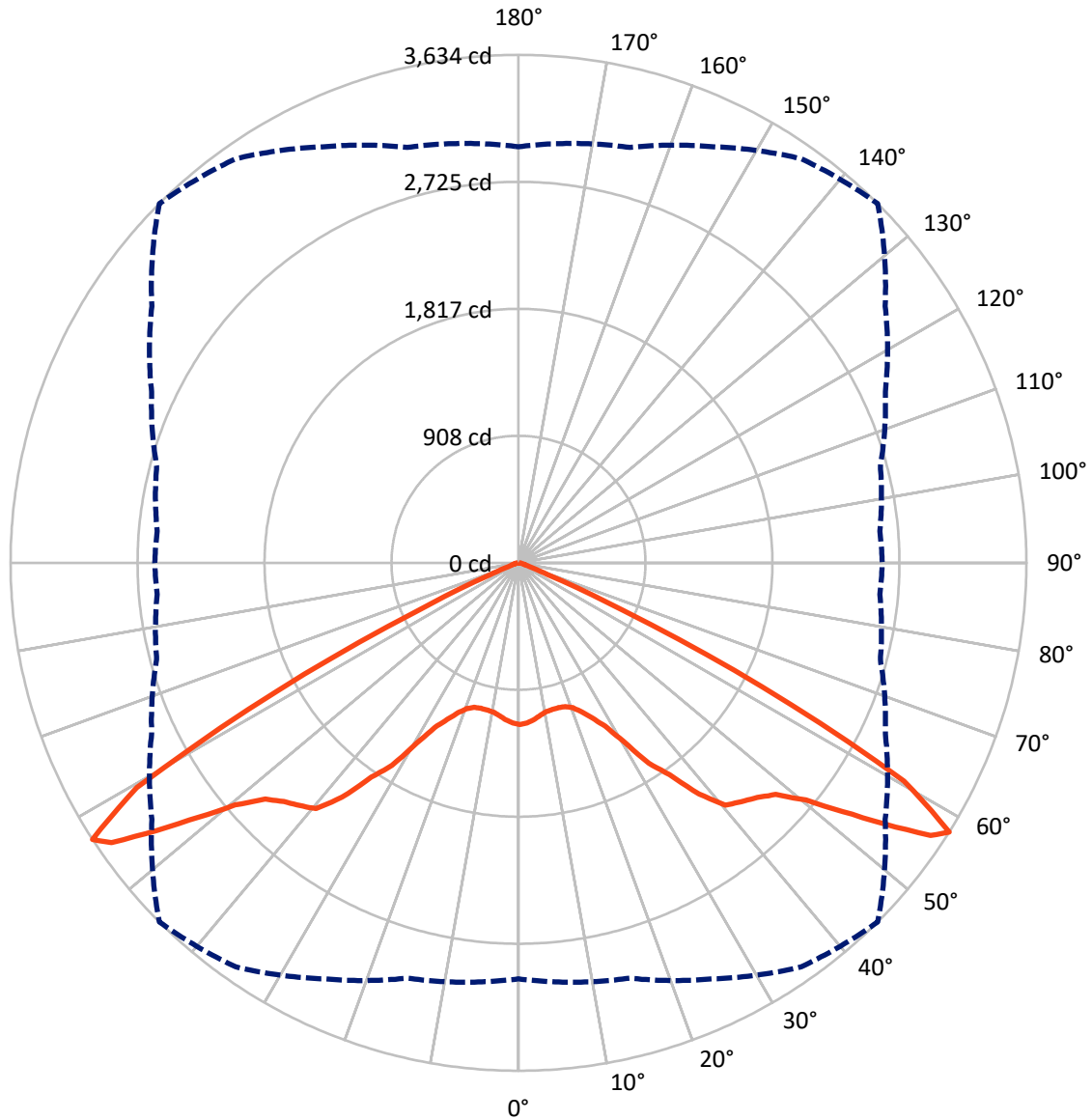
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 57.5-Deg Vertical

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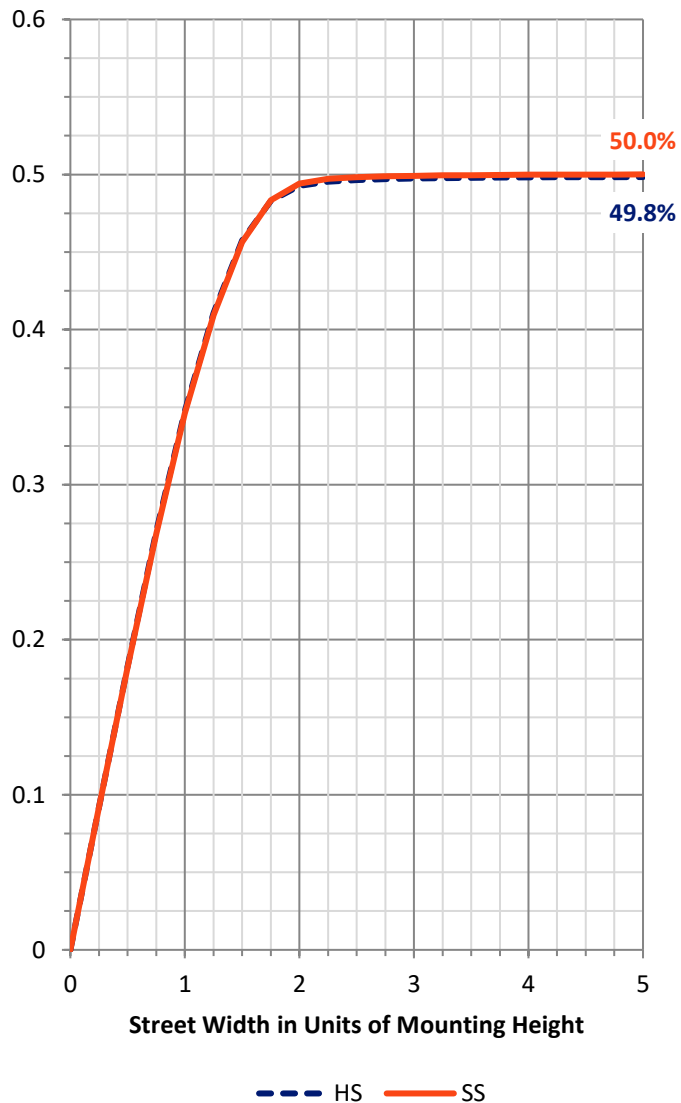
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3725.6	0.0	3725.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3725.6	0.0	3725.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7451.2	0.0	7451.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.2	1.4
10°-20°	307.0	4.1
20°-30°	566.7	7.6
30°-40°	1114.4	15.0
40°-50°	1815.1	24.4
50°-60°	2588.5	34.7
60°-70°	896.2	12.0
70°-80°	48.1	0.6
80°-90°	9.0	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°	7451.2	100.0
0°-180°	7451.2	100.0

**Coefficient of Utilization**

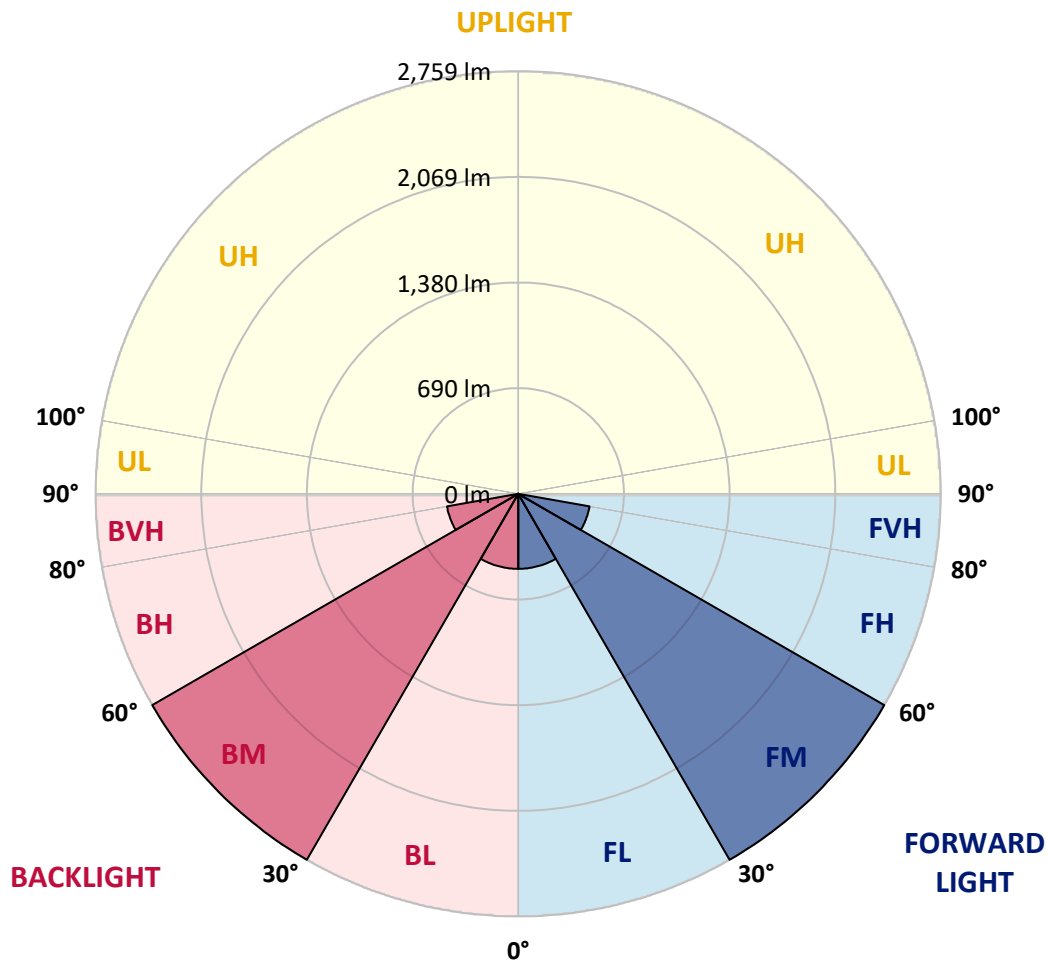


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.9	6.6			
FM (30°-60°)	2759.0	37.0			
FH (60°-80°)	472.1	6.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	489.9	6.6	B1/500		
BM (30°-60°)	2759.0	37.0	B3/5000		
BH (60°-80°)	472.1	6.3	B1/500		G0/660
BVH (80°-90°)	4.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8	1155.8
2.5°	1152.7	1158.9	1151.1	1148.0	1146.5	1146.5	1141.8	1141.8	1140.2	1141.8	1135.6
5°	1134.0	1140.2	1140.2	1138.7	1129.4	1127.8	1123.2	1120.0	1121.6	1115.4	1120.0
7.5°	1115.4	1120.0	1113.8	1112.3	1109.2	1103.0	1101.4	1087.4	1089.0	1089.0	1092.0
10°	1112.3	1110.7	1101.4	1093.6	1084.3	1082.8	1078.1	1075.0	1075.0	1073.5	1078.1
12.5°	1112.3	1104.5	1103.0	1085.9	1070.3	1076.6	1064.1	1056.4	1067.2	1070.3	1076.6
15°	1110.7	1118.4	1092.0	1084.3	1073.5	1075.0	1064.1	1056.4	1062.5	1065.6	1070.3
17.5°	1120.0	1115.4	1107.6	1092.0	1087.4	1081.2	1067.2	1061.0	1061.0	1068.7	1070.3
20°	1144.9	1132.5	1116.9	1109.2	1113.8	1106.1	1089.0	1065.6	1071.9	1078.1	1082.8
22.5°	1168.2	1158.9	1148.0	1143.3	1169.7	1157.3	1127.8	1101.4	1092.0	1103.0	1110.7
25°	1213.2	1213.2	1193.0	1199.3	1228.8	1230.3	1196.2	1149.6	1143.3	1148.0	1151.1
27.5°	1304.9	1309.5	1292.4	1298.7	1311.1	1322.0	1292.4	1253.6	1239.6	1238.1	1242.7
30°	1404.3	1413.6	1412.1	1438.5	1474.2	1480.4	1436.9	1373.3	1331.3	1323.6	1329.8
32.5°	1534.8	1539.5	1536.3	1567.5	1663.8	1708.8	1595.4	1505.3	1449.4	1463.3	1449.4
35°	1780.2	1775.6	1741.5	1747.6	1826.8	1859.5	1750.7	1693.3	1666.9	1694.8	1688.6
37.5°	1991.5	1974.4	1946.5	1986.9	2069.2	2098.7	1985.3	1884.3	1836.2	1882.7	1903.0
40°	2170.2	2126.6	2087.9	2128.2	2238.5	2278.9	2112.7	2030.3	2011.8	2045.9	2089.4
42.5°	2320.8	2292.9	2241.6	2244.7	2317.7	2336.4	2202.8	2154.6	2136.0	2190.4	2212.1
45°	2428.1	2401.6	2353.5	2350.3	2406.3	2393.9	2274.2	2241.6	2252.5	2288.3	2299.1
47.5°	2482.4	2496.4	2468.4	2476.2	2505.8	2476.2	2381.5	2381.5	2356.6	2378.3	2367.5
50°	2639.3	2595.8	2631.6	2631.6	2662.6	2665.7	2570.9	2536.8	2470.0	2432.7	2432.7
52.5°	2822.6	2825.8	2839.7	2890.9	2943.8	2988.8	2853.7	2707.7	2595.8	2547.6	2541.4
55°	2973.3	3004.4	3060.3	3156.6	3308.8	3371.0	3137.9	2877.0	2740.3	2665.7	2650.2
56°	3055.6	3026.1	3122.5	3254.5	3453.3	3534.1	3184.6	2911.2	2760.5	2676.6	2675.1
57.5°	2976.4	3009.0	3075.9	3284.0	3527.9	3633.5	3201.7	2895.6	2679.7	2594.2	2602.1
60°	2350.3	2381.5	2471.5	2704.6	3086.7	3169.1	2709.2	2387.7	2195.0	2072.3	2073.8
62.5°	1329.8	1353.1	1423.0	1638.9	1876.6	1955.8	1688.6	1474.2	1340.6	1272.3	1250.6
65°	489.4	480.0	490.9	601.1	747.2	814.0	702.2	593.4	523.5	498.6	489.4
67.5°	183.3	169.3	158.4	169.3	212.9	225.2	206.6	172.4	161.6	166.2	169.3
70°	113.4	107.2	85.4	80.8	79.2	77.7	82.3	87.0	99.4	116.5	119.6
72.5°	79.2	74.6	60.6	57.4	54.4	52.8	60.6	66.8	77.7	90.1	91.7
75°	31.0	32.6	31.0	34.1	35.7	37.3	43.5	48.2	52.8	52.8	51.3
77.5°	6.2	6.2	9.3	12.4	15.6	20.2	29.5	34.1	35.7	34.1	29.5
80°	0.0	0.0	3.1	6.2	12.4	17.1	26.4	29.5	32.6	29.5	23.3
82.5°	0.0	0.0	3.1	7.7	12.4	15.6	24.9	31.0	35.7	32.6	24.9
85°	0.0	0.0	3.1	6.2	9.3	10.8	10.8	7.7	7.7	4.6	3.1
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)