

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: P650718

Luminaire Tested: **GALN-SA2C-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2C-840-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7135.9 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

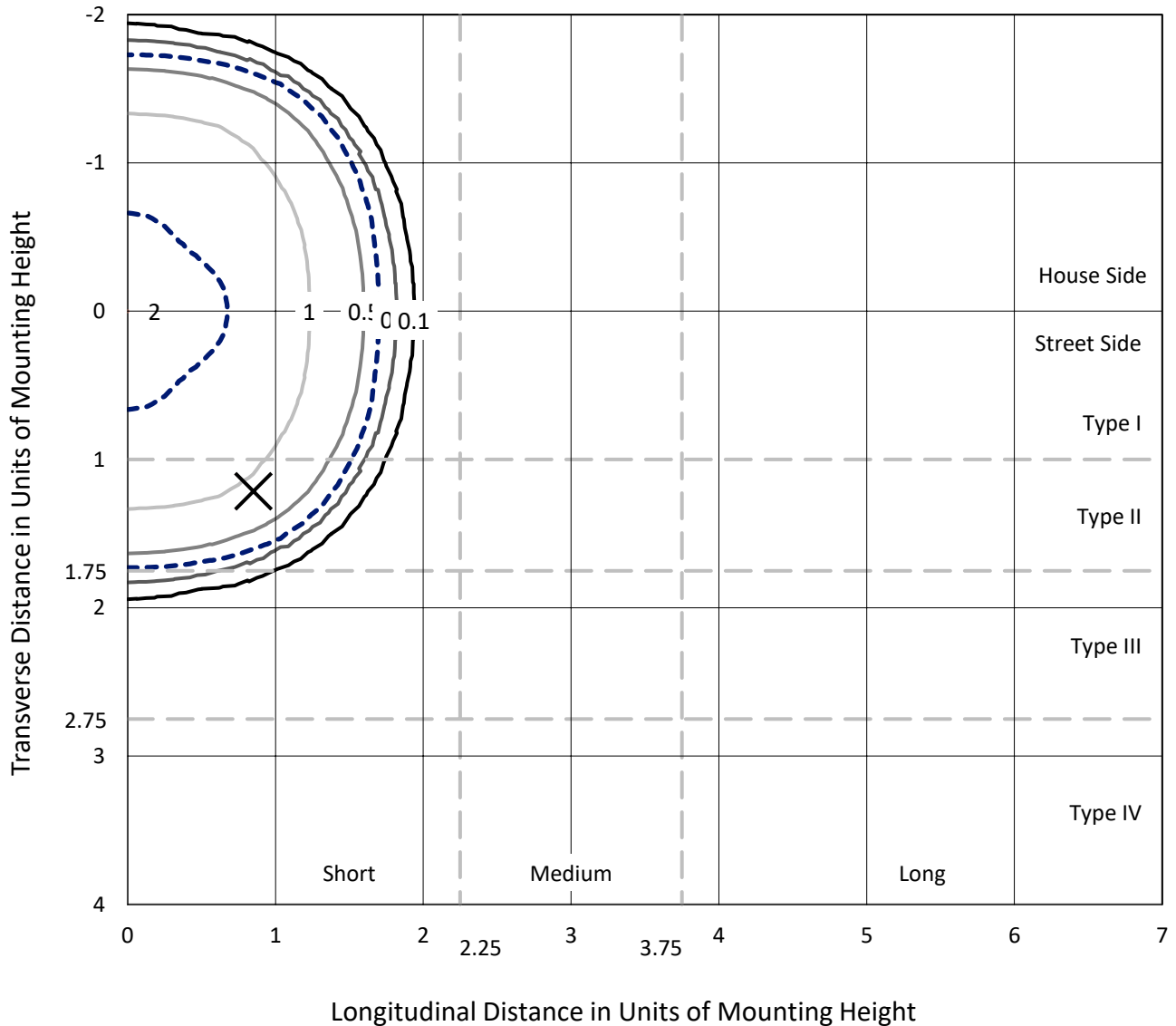
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

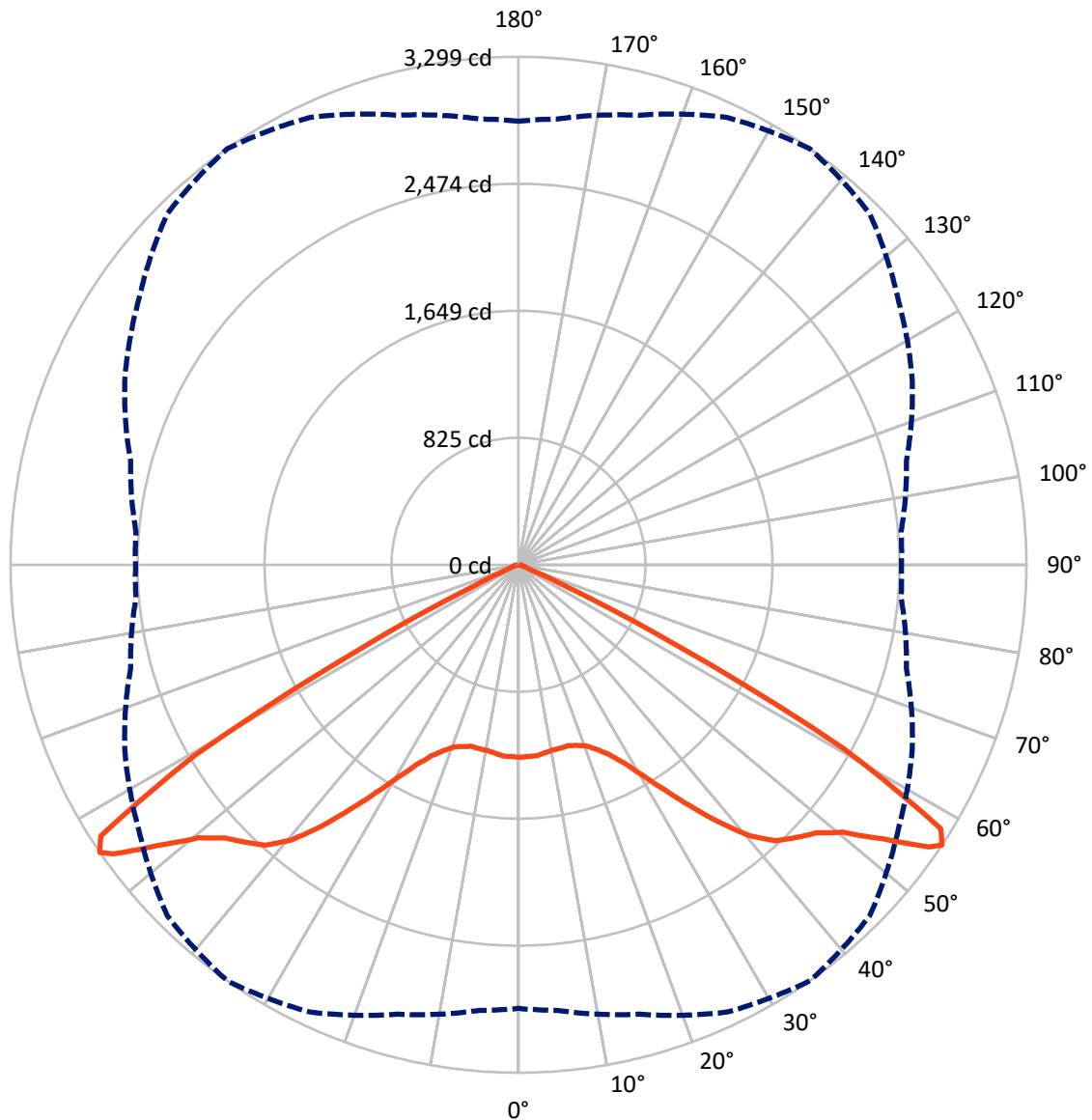
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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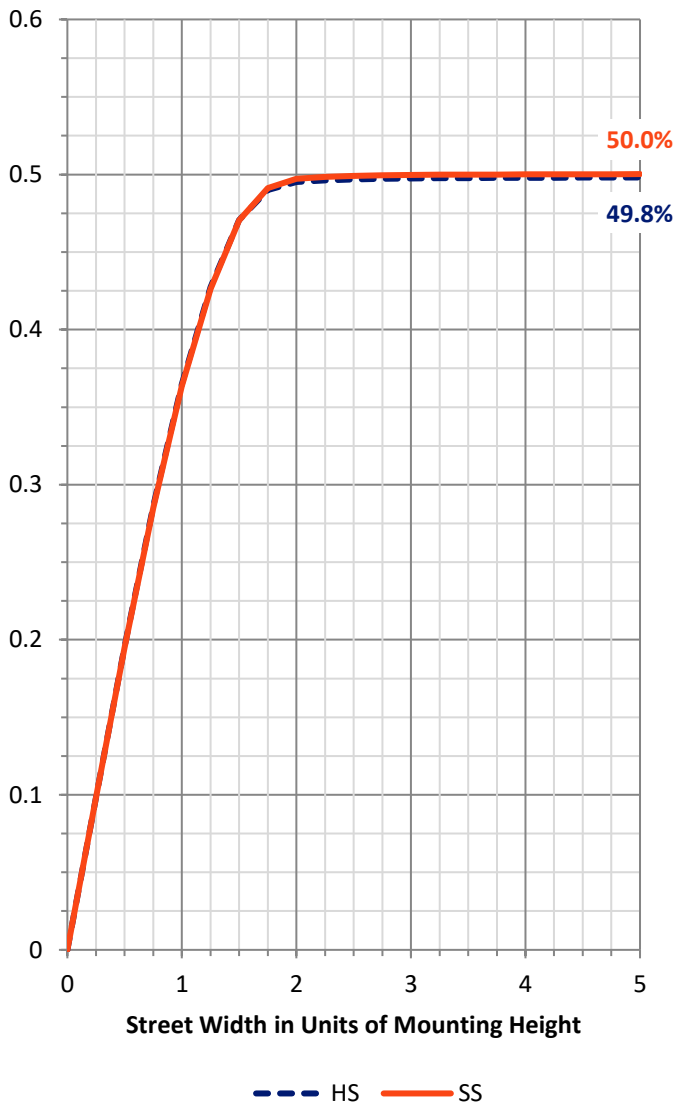
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3567.9	0.0	3567.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3567.9	0.0	3567.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7135.9	0.0	7135.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	1.6
10°-20°	343.1	4.8
20°-30°	621.3	8.7
30°-40°	1152.1	16.1
40°-50°	1891.0	26.5
50°-60°	2436.2	34.1
60°-70°	536.9	7.5
70°-80°	31.2	0.4
80°-90°	6.6	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°	7135.9	100.0
0°-180°	7135.9	100.0

**Coefficient of Utilization**

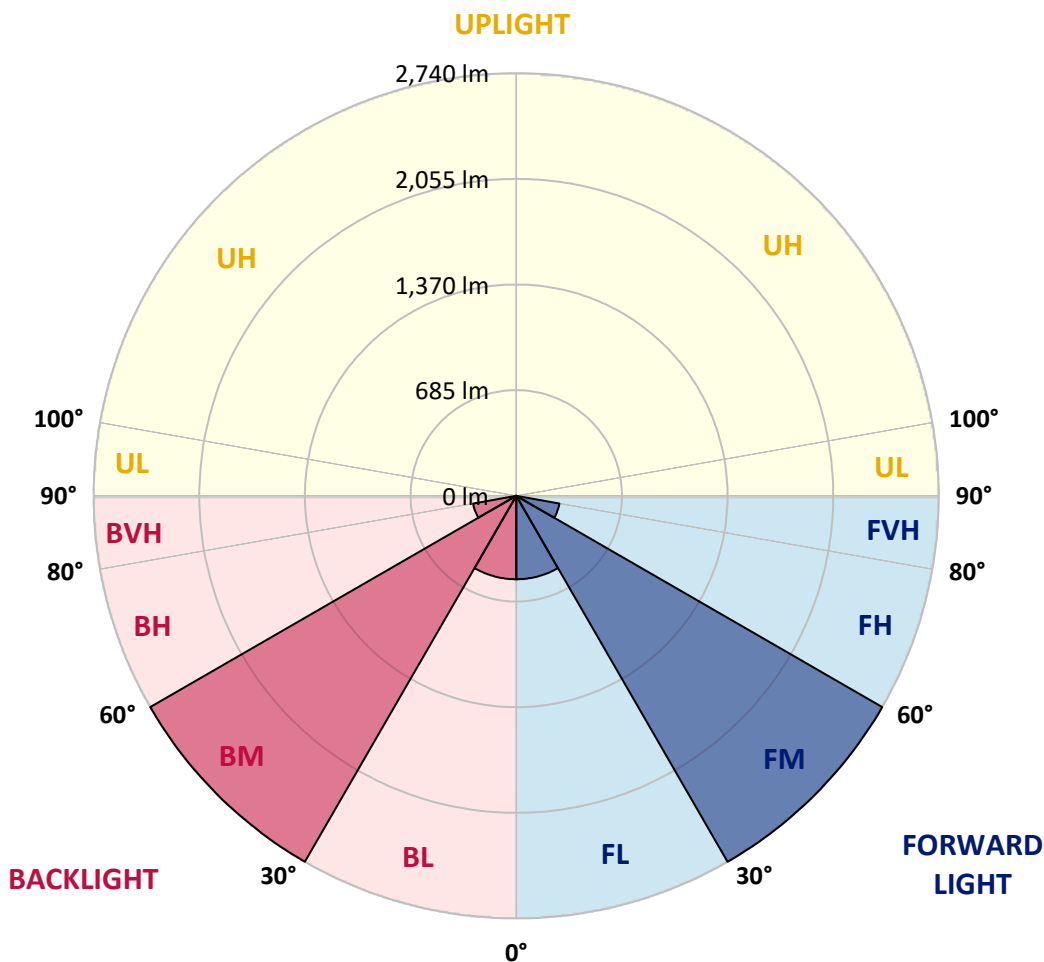


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.9	7.6			
FM (30°-60°)	2739.7	38.4			
FH (60°-80°)	284.0	4.0			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	540.9	7.6	B2/1000		
BM (30°-60°)	2739.7	38.4	B3/5000		
BH (60°-80°)	284.0	4.0	B1/500		G0/660
BVH (80°-90°)	3.3	0.0			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°	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4
2.5°	1252.9	1252.9	1254.3	1255.5	1246.4	1242.6	1243.9	1241.3	1240.1	1243.9	1243.9
5°	1249.1	1249.1	1245.2	1246.4	1246.4	1234.8	1234.8	1237.4	1237.4	1229.7	1227.1
7.5°	1238.7	1236.1	1231.0	1237.4	1233.6	1233.6	1224.5	1218.0	1215.4	1220.6	1215.4
10°	1216.8	1218.0	1223.2	1225.8	1223.2	1231.0	1215.4	1206.4	1197.3	1193.5	1193.5
12.5°	1206.4	1214.2	1206.4	1212.9	1221.9	1215.4	1206.4	1199.9	1187.0	1181.9	1181.9
15°	1205.1	1210.3	1212.9	1221.9	1218.0	1220.6	1202.5	1194.7	1175.4	1166.3	1162.4
17.5°	1203.8	1210.3	1214.2	1231.0	1233.6	1234.8	1220.6	1197.3	1180.5	1171.5	1162.4
20°	1218.0	1220.6	1228.4	1245.2	1255.5	1273.6	1247.8	1223.2	1187.0	1176.6	1172.8
22.5°	1236.1	1249.1	1256.8	1275.0	1302.1	1317.6	1284.0	1252.9	1215.4	1202.5	1187.0
25°	1294.3	1291.8	1304.6	1342.2	1364.2	1375.8	1348.6	1303.4	1254.3	1238.7	1241.3
27.5°	1366.7	1369.3	1380.9	1422.3	1454.7	1472.8	1440.5	1380.9	1333.2	1307.3	1304.6
30°	1461.2	1458.5	1471.5	1527.1	1585.3	1612.4	1555.5	1485.7	1439.1	1405.6	1413.3
32.5°	1560.7	1562.0	1598.2	1648.6	1743.0	1796.0	1704.2	1618.8	1549.0	1525.7	1514.1
35°	1708.1	1714.5	1743.0	1820.6	1925.3	1993.8	1893.0	1790.8	1710.7	1668.0	1673.2
37.5°	1890.4	1883.9	1931.8	2015.8	2125.7	2176.2	2090.8	1974.4	1893.0	1864.6	1882.7
40°	2084.3	2090.8	2115.4	2191.6	2314.5	2348.2	2221.4	2158.1	2086.9	2072.7	2094.7
42.5°	2278.4	2274.4	2292.6	2361.1	2450.3	2427.0	2352.0	2314.5	2264.1	2235.6	2265.4
45°	2420.6	2414.1	2447.7	2494.2	2526.6	2482.6	2449.0	2436.0	2410.2	2379.2	2406.4
47.5°	2558.9	2553.7	2586.1	2599.0	2601.5	2543.4	2549.8	2573.1	2508.5	2443.9	2474.9
50°	2676.6	2667.5	2707.6	2736.0	2729.5	2636.5	2659.7	2636.5	2535.6	2459.3	2447.7
52.5°	2873.1	2877.0	2919.7	2971.4	2955.9	2878.3	2844.7	2738.6	2609.4	2540.8	2500.7
55°	2997.2	2977.8	3051.6	3215.7	3233.9	3153.7	3005.0	2848.6	2654.6	2570.5	2560.2
56°	2880.8	2905.4	3021.8	3205.4	3298.5	3224.8	3008.8	2821.4	2608.0	2494.2	2486.5
57.5°	2584.7	2571.9	2729.5	2980.4	3233.9	3202.9	2902.9	2627.5	2379.2	2251.2	2235.6
60°	1608.5	1646.0	1784.3	2094.7	2433.5	2449.0	2151.6	1915.0	1625.3	1511.5	1538.7
62.5°	629.7	597.4	684.0	915.4	1148.2	1199.9	1087.4	903.8	742.2	629.7	621.9
65°	146.1	142.2	160.3	221.1	309.1	358.2	340.1	244.4	179.7	170.6	157.8
67.5°	82.8	82.8	78.9	78.9	86.6	91.8	87.9	86.6	90.5	94.4	93.1
70°	58.2	56.9	54.3	55.6	53.0	53.0	56.9	63.3	68.5	68.5	69.8
72.5°	34.9	34.9	34.9	38.8	38.8	38.8	42.6	47.9	49.1	47.9	46.5
75°	15.5	15.5	18.1	22.0	24.6	25.8	29.8	32.3	34.9	32.3	29.8
77.5°	3.9	3.9	6.5	9.1	11.6	14.2	19.4	23.3	24.6	23.3	19.4
80°	1.3	1.3	2.6	6.5	11.6	14.2	19.4	20.7	22.0	19.4	15.5
82.5°	1.3	1.3	2.6	6.5	9.1	11.6	15.5	18.1	19.4	16.8	15.5
85°	0.0	1.3	2.6	5.1	7.7	10.3	10.3	7.7	6.5	3.9	5.1
87.5°	0.0	0.0	1.3	1.3	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)