

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: P527053

Luminaire Tested: **GALN-SA2A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA2A-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6312 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

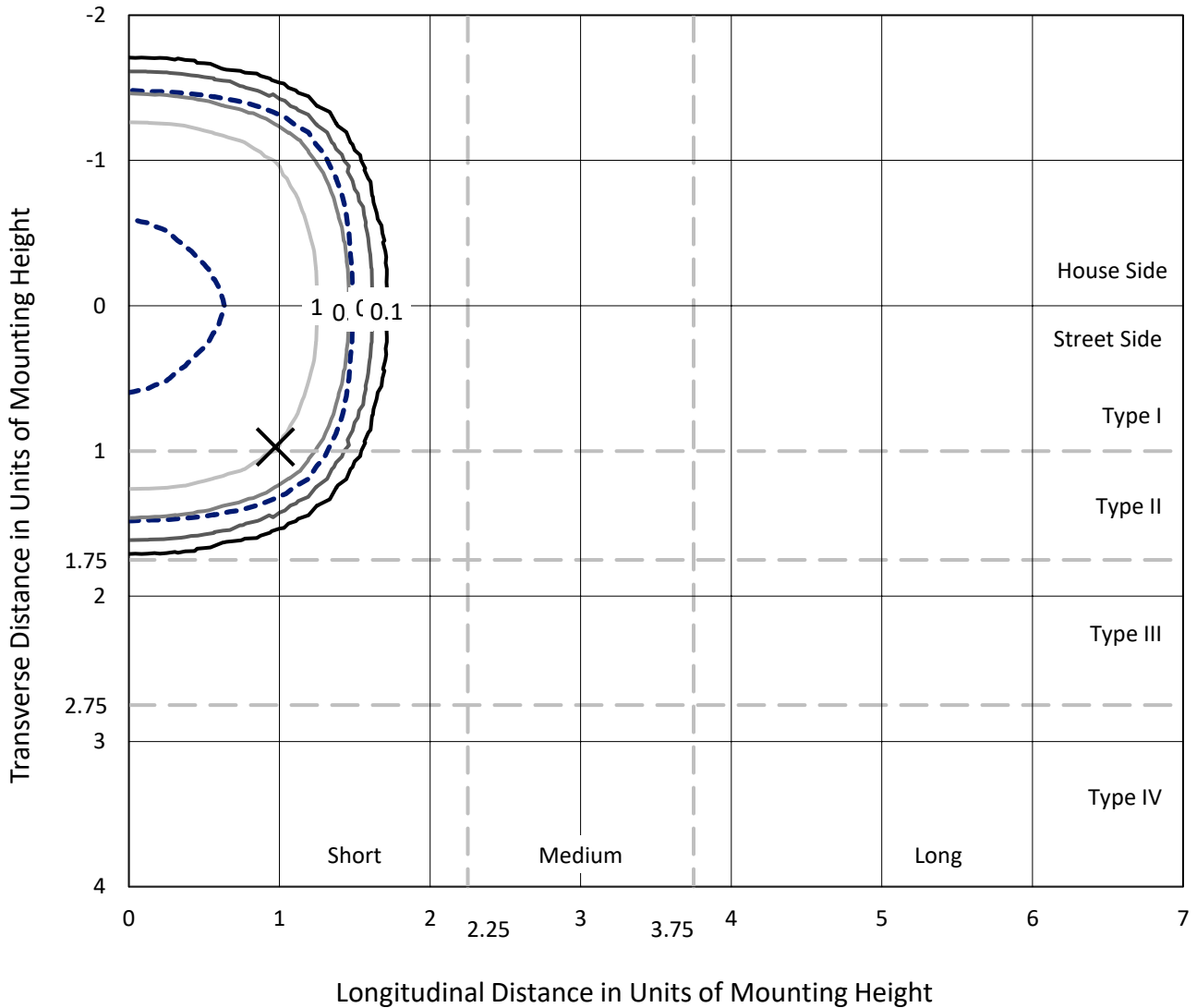
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

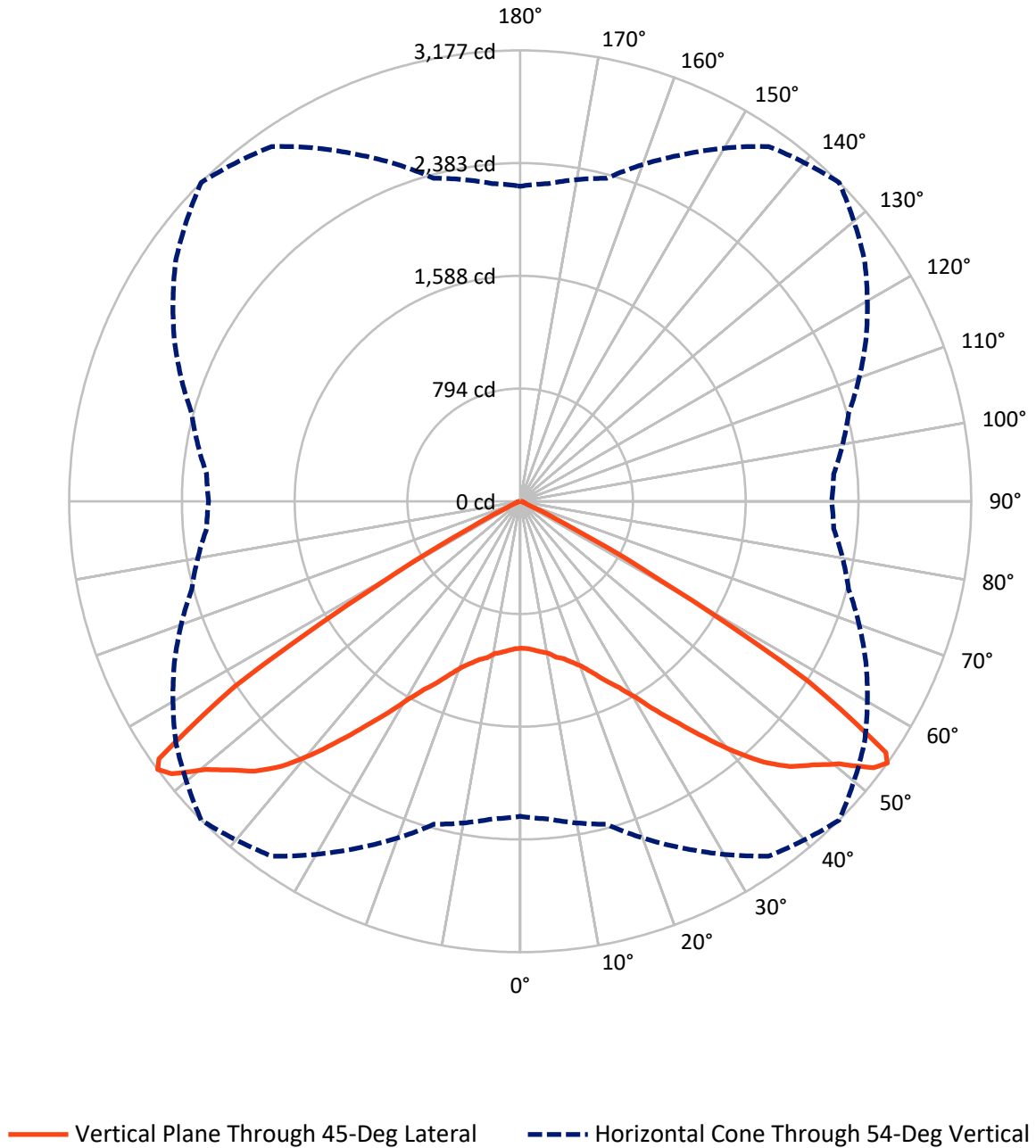
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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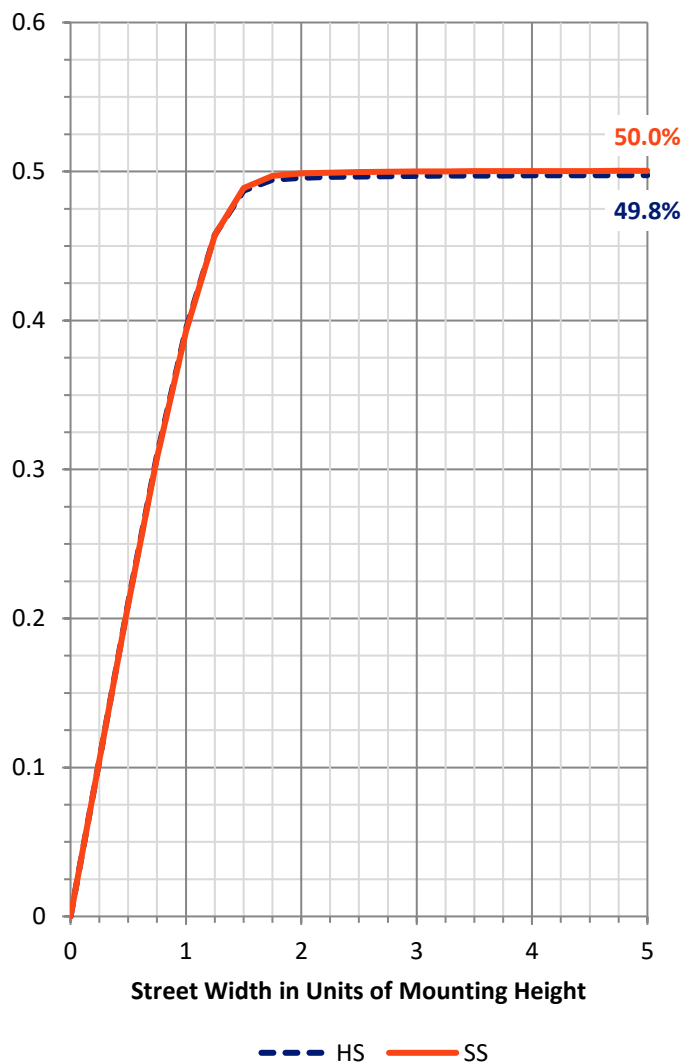
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3156.0	0.0	3156.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6312.0	0.0	6312.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.3	1.6
10°-20°	328.1	5.2
20°-30°	643.0	10.2
30°-40°	1156.2	18.3
40°-50°	1979.1	31.4
50°-60°	1915.0	30.3
60°-70°	163.9	2.6
70°-80°	19.4	0.3
80°-90°	6.1	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°	6312.0	100.0
0°-180°	6312.0	100.0

**Coefficient of Utilization**



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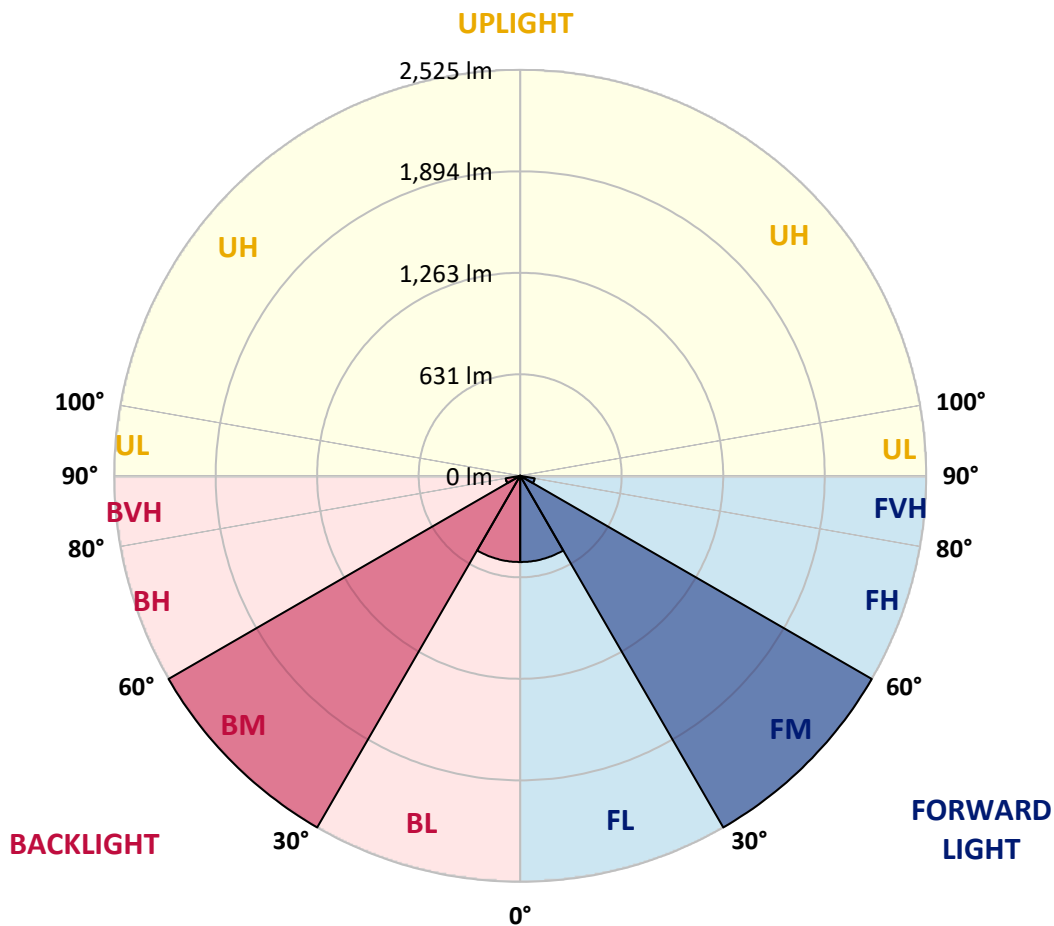
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.2	8.5			
FM (30°-60°)	2525.1	40.0			
FH (60°-80°)	91.7	1.5			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	536.2	8.5	B2/1000		
BM (30°-60°)	2525.1	40.0	B3/5000		
BH (60°-80°)	91.7	1.5	B0/110		G0/660
BVH (80°-90°)	3.0	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°	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0	1035.0
2.5°	1040.0	1046.0	1042.0	1045.0	1045.0	1040.0	1043.0	1031.0	1039.0	1033.0	1034.0
5°	1056.0	1055.0	1055.0	1056.0	1052.0	1054.0	1050.0	1046.0	1043.0	1039.0	1051.0
7.5°	1076.0	1076.0	1069.0	1071.0	1069.0	1072.0	1064.0	1056.0	1053.0	1050.0	1048.0
10°	1095.0	1093.0	1090.0	1099.0	1092.0	1088.0	1084.0	1079.0	1068.0	1064.0	1060.0
12.5°	1123.0	1122.0	1118.0	1127.0	1123.0	1127.0	1112.0	1099.0	1097.0	1084.0	1091.0
15°	1156.0	1165.0	1158.0	1158.0	1156.0	1151.0	1145.0	1139.0	1121.0	1116.0	1117.0
17.5°	1199.0	1196.0	1197.0	1197.0	1207.0	1194.0	1182.0	1167.0	1158.0	1155.0	1145.0
20°	1240.0	1244.0	1243.0	1250.0	1256.0	1242.0	1229.0	1227.0	1202.0	1206.0	1192.0
22.5°	1312.0	1309.0	1314.0	1319.0	1315.0	1313.0	1301.0	1286.0	1264.0	1254.0	1252.0
25°	1388.0	1383.0	1374.0	1386.0	1392.0	1401.0	1378.0	1370.0	1336.0	1321.0	1322.0
27.5°	1453.0	1460.0	1470.0	1475.0	1490.0	1487.0	1471.0	1445.0	1419.0	1402.0	1391.0
30°	1542.0	1546.0	1563.0	1570.0	1596.0	1603.0	1578.0	1548.0	1502.0	1480.0	1467.0
32.5°	1624.0	1652.0	1651.0	1686.0	1728.0	1757.0	1712.0	1666.0	1620.0	1594.0	1571.0
35°	1757.0	1752.0	1781.0	1817.9	1885.9	1918.9	1869.9	1816.9	1747.0	1705.0	1687.0
37.5°	1880.9	1882.9	1921.9	1980.9	2058.9	2109.9	2066.9	1979.9	1907.9	1853.9	1828.9
40°	2060.9	2064.9	2104.9	2171.9	2259.9	2314.9	2264.9	2176.9	2080.9	2038.9	2038.9
42.5°	2271.9	2288.9	2314.9	2372.9	2451.9	2512.9	2467.9	2398.9	2301.9	2247.9	2255.9
45°	2488.9	2496.9	2513.9	2599.9	2636.9	2666.9	2624.9	2592.9	2527.9	2461.9	2450.9
47.5°	2691.9	2694.9	2744.9	2771.9	2800.9	2775.9	2802.9	2760.9	2687.9	2623.9	2610.9
50°	2781.9	2776.9	2847.9	2929.9	2951.9	2907.9	2884.9	2856.9	2745.9	2668.9	2634.9
52.5°	2519.9	2548.9	2680.9	2908.9	3080.9	3117.9	2983.9	2854.9	2647.9	2497.9	2474.9
54°	2219.9	2246.9	2355.9	2693.9	3051.9	3176.9	2960.9	2686.9	2394.9	2216.9	2193.9
55°	1922.9	1892.9	2090.9	2435.9	2915.9	3124.9	2869.9	2469.9	2135.9	1972.9	1940.9
57.5°	1041.0	1046.0	1213.0	1539.0	2048.9	2395.9	2115.9	1671.0	1262.0	1079.0	1063.0
60°	330.0	338.0	411.0	622.0	979.0	1169.0	1002.0	671.0	464.0	372.0	357.0
62.5°	103.0	107.0	117.0	174.0	268.0	383.0	300.0	180.0	134.0	123.0	125.0
65°	63.0	63.0	64.0	68.0	80.0	93.0	90.0	79.0	76.0	74.0	73.0
67.5°	41.0	40.0	42.0	45.0	47.0	48.0	51.0	54.0	53.0	51.0	51.0
70°	25.0	24.0	26.0	30.0	31.0	33.0	36.0	40.0	39.0	37.0	38.0
72.5°	14.0	14.0	15.0	18.0	21.0	23.0	26.0	29.0	30.0	29.0	29.0
75°	5.0	6.0	8.0	11.0	13.0	16.0	19.0	22.0	25.0	23.0	22.0
77.5°	2.0	2.0	4.0	7.0	10.0	13.0	18.0	21.0	23.0	21.0	19.0
80°	1.0	1.0	3.0	6.0	9.0	12.0	15.0	18.0	19.0	17.0	15.0
82.5°	1.0	1.0	3.0	6.0	9.0	11.0	16.0	18.0	20.0	18.0	15.0
85°	0.0	1.0	3.0	6.0	8.0	9.0	9.0	6.0	5.0	3.0	3.0
87.5°	0.0	0.0	1.0	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)