

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: P528381

Luminaire Tested: **GALN-SA3C-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528381  
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-SA3C-727-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

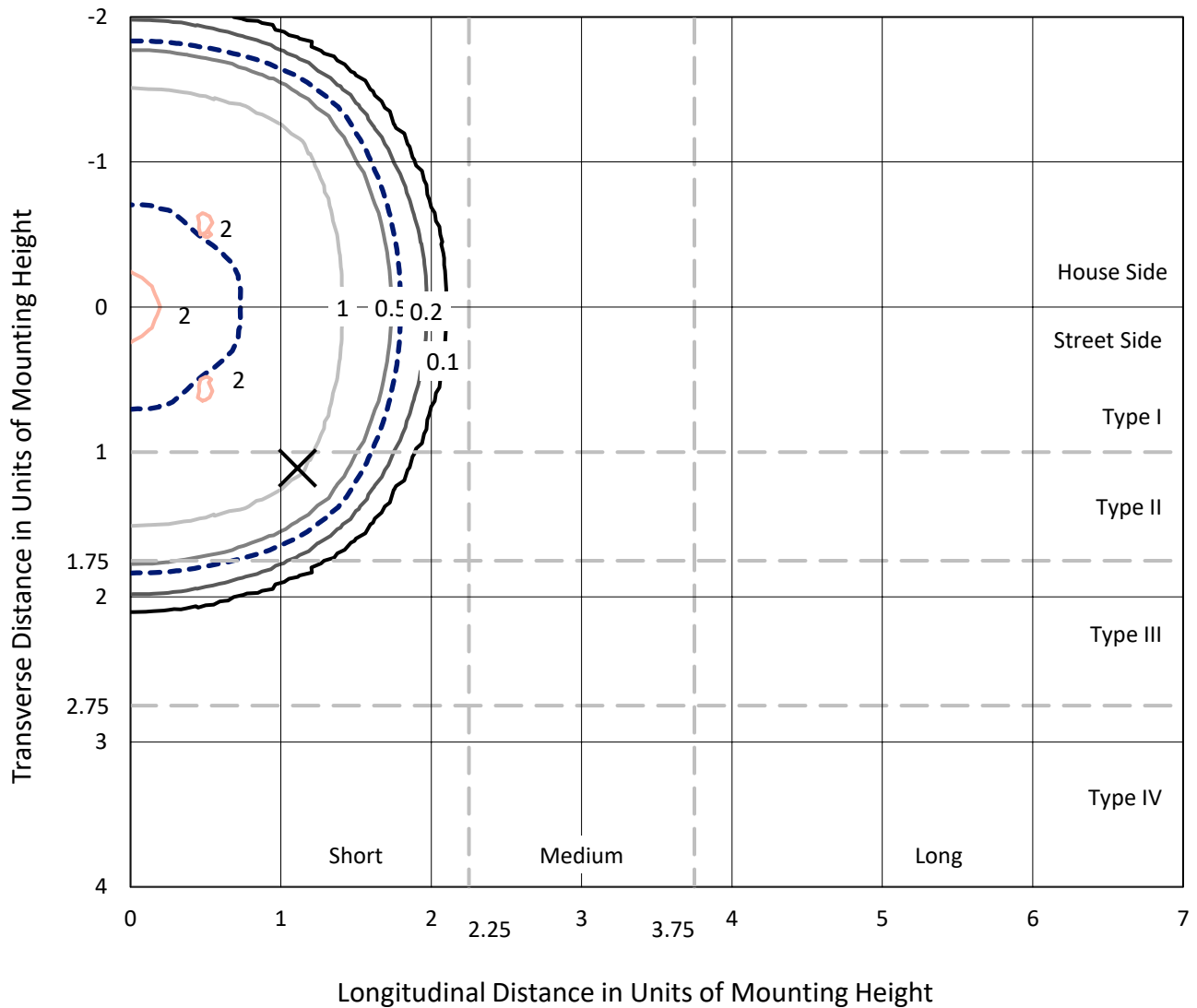
Lumens per Lamp: N/A  
Luminaire Lumens: 9155 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

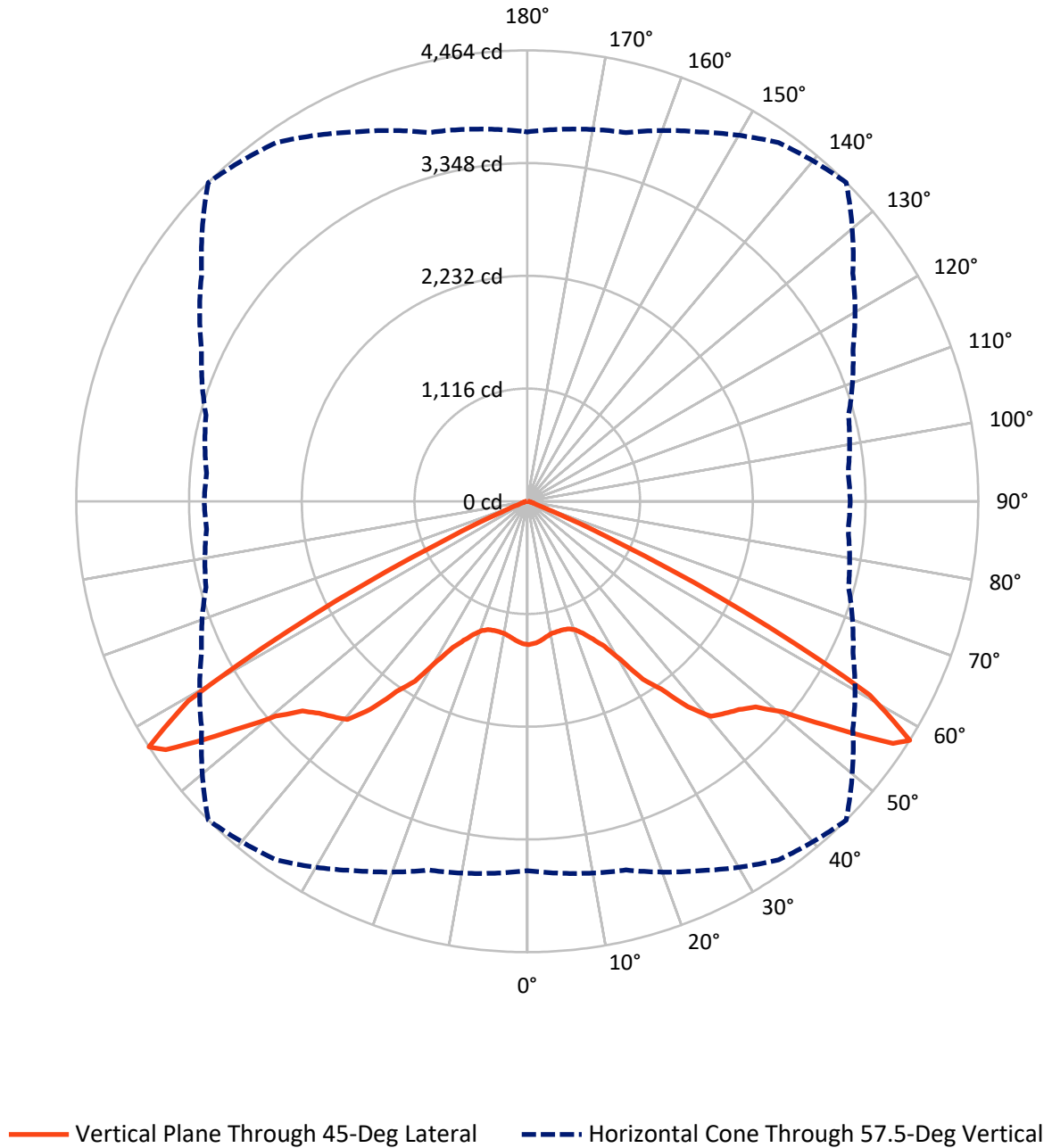
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	4577.5	0.0	4577.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4577.5	0.0	4577.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9155.0	0.0	9155.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.5	1.4
10°-20°	377.2	4.1
20°-30°	696.2	7.6
30°-40°	1369.2	15.0
40°-50°	2230.1	24.4
50°-60°	3180.4	34.7
60°-70°	1101.1	12.0
70°-80°	59.1	0.6
80°-90°	11.1	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°	9155.0	100.0
0°-180°	9155.0	100.0

**Coefficient of Utilization**



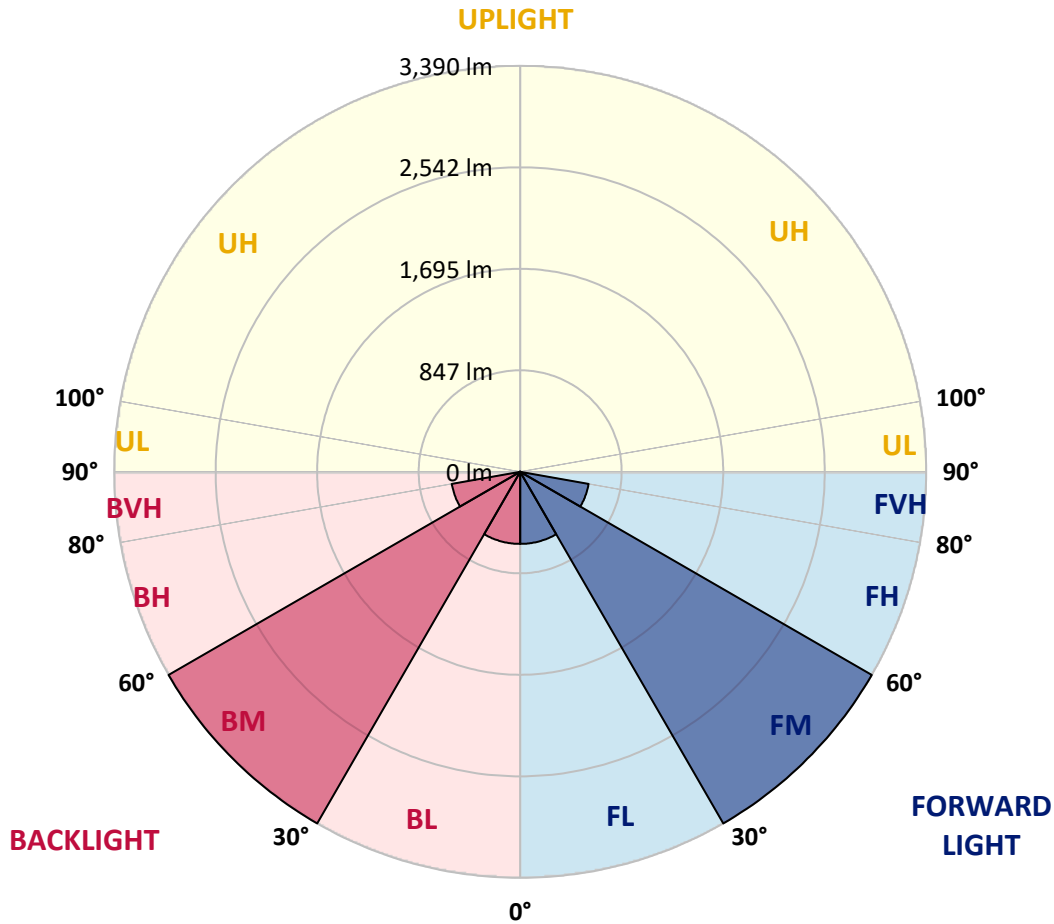
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.0	6.6			
FM (30°-60°)	3389.9	37.0			
FH (60°-80°)	580.1	6.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	602.0	6.6	B2/1000		
BM (30°-60°)	3389.9	37.0	B3/5000		
BH (60°-80°)	580.1	6.3	B2/1000		G0/660
BVH (80°-90°)	5.5	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°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1416.2	1423.9	1414.3	1410.5	1408.6	1408.6	1402.9	1402.9	1400.9	1402.9	1395.2
5°	1393.3	1400.9	1400.9	1399.0	1387.6	1385.7	1380.0	1376.1	1378.0	1370.4	1376.1
7.5°	1370.4	1376.1	1368.5	1366.6	1362.8	1355.1	1353.2	1336.1	1338.0	1338.0	1341.8
10°	1366.6	1364.7	1353.2	1343.7	1332.2	1330.3	1324.6	1320.8	1320.8	1318.9	1324.6
12.5°	1366.6	1357.1	1355.1	1334.1	1315.1	1322.7	1307.4	1297.9	1311.2	1315.1	1322.7
15°	1364.7	1374.2	1341.8	1332.2	1318.9	1320.8	1307.4	1297.9	1305.5	1309.3	1315.1
17.5°	1376.1	1370.4	1360.9	1341.8	1336.1	1328.4	1311.2	1303.6	1303.6	1313.2	1315.1
20°	1406.7	1391.4	1372.3	1362.8	1368.5	1359.0	1338.0	1309.3	1317.0	1324.6	1330.3
22.5°	1435.3	1423.9	1410.5	1404.8	1437.2	1421.9	1385.7	1353.2	1341.8	1355.1	1364.7
25°	1490.7	1490.7	1465.8	1473.5	1509.7	1511.7	1469.7	1412.4	1404.8	1410.5	1414.3
27.5°	1603.3	1609.0	1588.0	1595.6	1610.9	1624.3	1588.0	1540.3	1523.1	1521.2	1526.9
30°	1725.4	1736.9	1735.0	1767.4	1811.3	1818.9	1765.5	1687.2	1635.7	1626.2	1633.8
32.5°	1885.7	1891.5	1887.7	1925.8	2044.2	2099.5	1960.2	1849.5	1780.8	1797.9	1780.8
35°	2187.3	2181.6	2139.6	2147.2	2244.6	2284.7	2151.0	2080.4	2048.0	2082.3	2074.7
37.5°	2446.9	2425.9	2391.5	2441.2	2542.3	2578.6	2439.3	2315.2	2256.0	2313.3	2338.1
40°	2666.4	2612.9	2565.2	2614.9	2750.4	2800.0	2595.8	2494.6	2471.7	2513.7	2567.1
42.5°	2851.5	2817.2	2754.2	2758.0	2847.7	2870.6	2706.5	2647.3	2624.4	2691.2	2717.9
45°	2983.2	2950.8	2891.6	2887.8	2956.5	2941.2	2794.3	2754.2	2767.5	2811.4	2824.8
47.5°	3050.0	3067.2	3032.8	3042.4	3078.7	3042.4	2926.0	2926.0	2895.4	2922.1	2908.8
50°	3242.8	3189.4	3233.3	3233.3	3271.4	3275.2	3158.8	3116.8	3034.8	2988.9	2988.9
52.5°	3468.0	3471.8	3489.0	3552.0	3616.9	3672.2	3506.2	3326.8	3189.4	3130.2	3122.6
55°	3653.2	3691.3	3760.0	3878.4	4065.4	4141.8	3855.5	3534.8	3366.9	3275.2	3256.2
56°	3754.3	3718.1	3836.4	3998.6	4242.9	4342.2	3912.7	3576.8	3391.7	3288.6	3286.7
57.5°	3657.0	3697.1	3779.1	4034.9	4334.5	4464.3	3933.7	3557.7	3292.4	3187.4	3197.0
60°	2887.8	2926.0	3036.7	3323.0	3792.5	3893.6	3328.7	2933.6	2696.9	2546.1	2548.0
62.5°	1633.8	1662.4	1748.3	2013.6	2305.7	2403.0	2074.7	1811.3	1647.2	1563.2	1536.5
65°	601.2	589.8	603.1	738.6	918.1	1000.1	862.7	729.1	643.2	612.7	601.2
67.5°	225.2	208.0	194.7	208.0	261.5	276.8	253.9	211.9	198.5	204.2	208.0
70°	139.3	131.7	105.0	99.2	97.3	95.4	101.2	106.9	122.2	143.1	147.0
72.5°	97.3	91.6	74.4	70.6	66.8	64.9	74.4	82.1	95.4	110.7	112.6
75°	38.2	40.1	38.2	42.0	43.9	45.8	53.4	59.2	64.9	64.9	63.0
77.5°	7.6	7.6	11.5	15.3	19.1	24.8	36.3	42.0	43.9	42.0	36.3
80°	0.0	0.0	3.8	7.6	15.3	21.0	32.4	36.3	40.1	36.3	28.6
82.5°	0.0	0.0	3.8	9.5	15.3	19.1	30.5	38.2	43.9	40.1	30.5
85°	0.0	0.0	3.8	7.6	11.5	13.4	13.4	9.5	9.5	5.7	3.8
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)