

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: P532122

Luminaire Tested: **GALN-SA7C-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36147 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

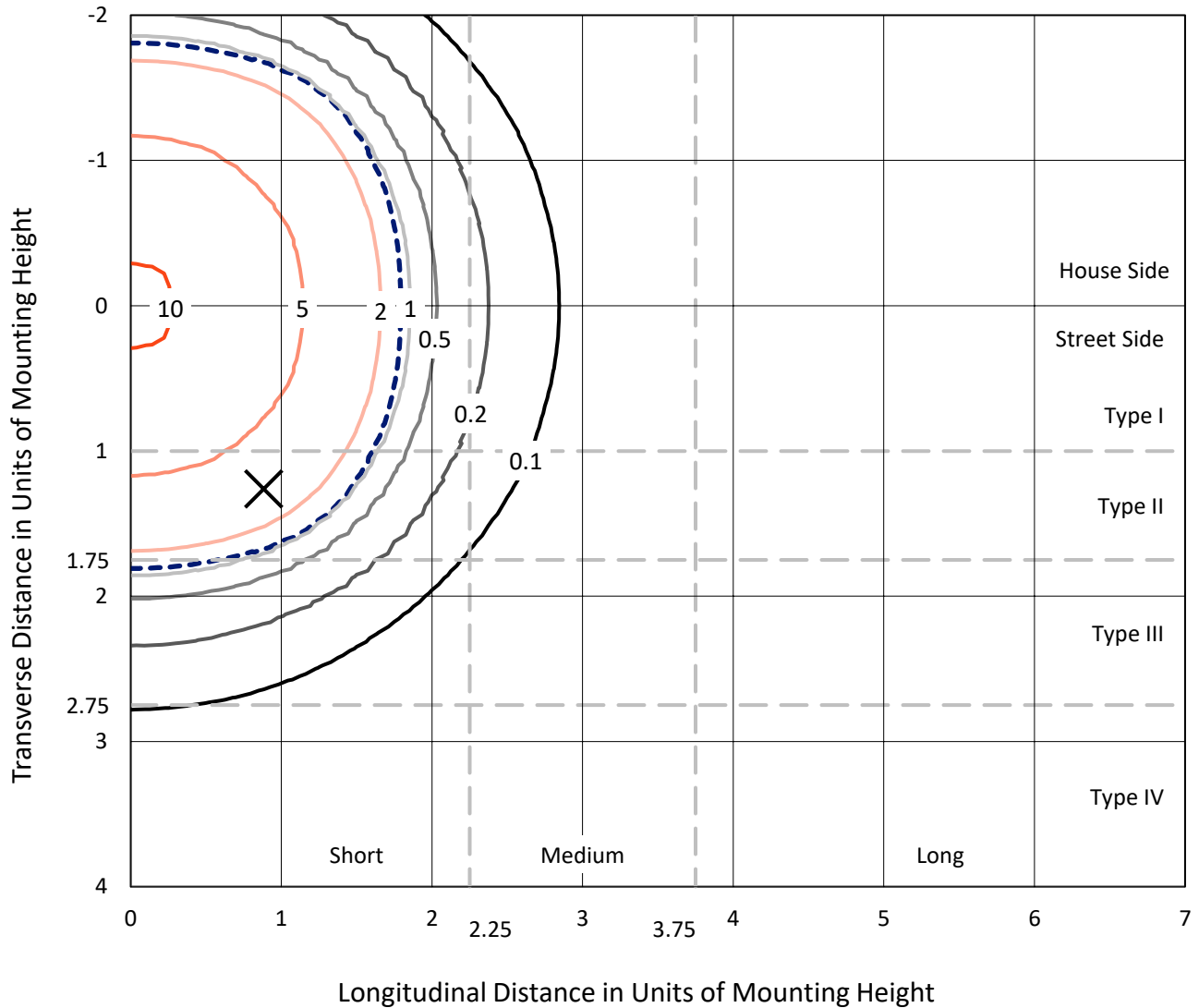
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

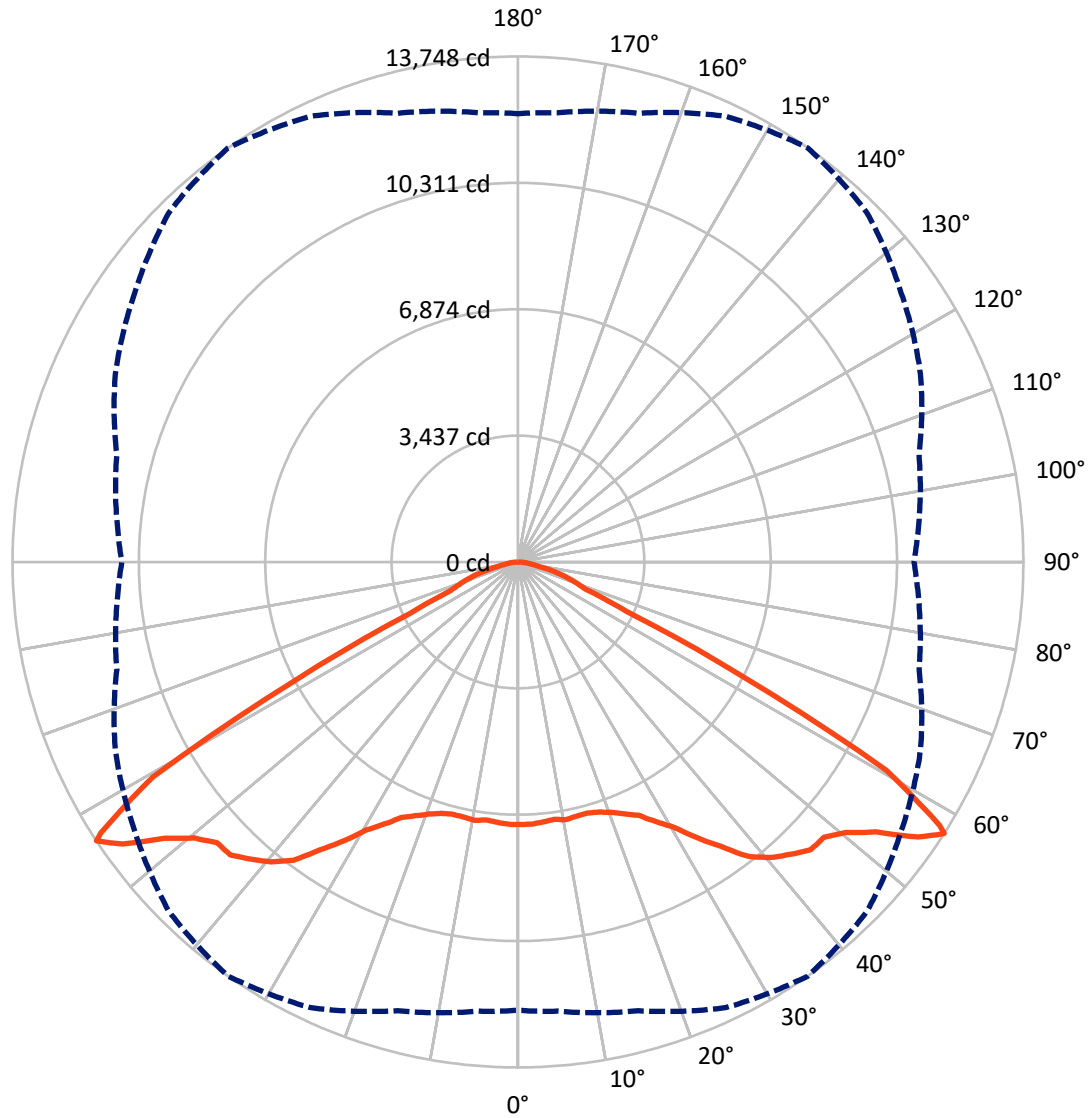
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18073.5	0.0	18073.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18073.5	0.0	18073.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36147.0	0.0	36147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.8	1.9
10°-20°	2004.4	5.5
20°-30°	3500.7	9.7
30°-40°	5736.0	15.9
40°-50°	8410.4	23.3
50°-60°	10593.5	29.3
60°-70°	3984.1	11.0
70°-80°	1059.4	2.9
80°-90°	181.6	0.5
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°	36147.0	100.0
0°-180°	36147.0	100.0

Coefficient of Utilization



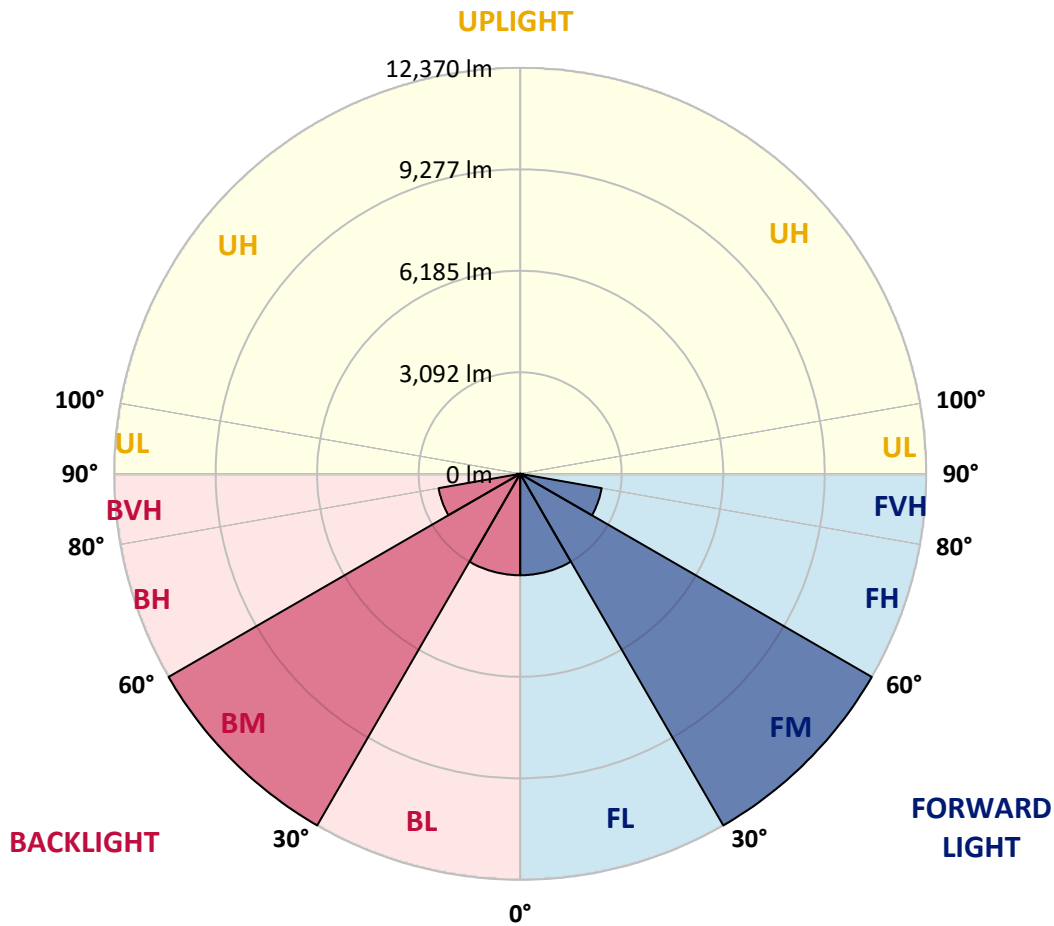
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3091.0	8.6			
FM (30°-60°)	12370.0	34.2			
FH (60°-80°)	2521.7	7.0			G2/5000
FVH (80°-90°)	90.8	0.3			G1/100
BL (0°-30°)	3091.0	8.6	B4/5000		
BM (30°-60°)	12370.0	34.2	B5		
BH (60°-80°)	2521.7	7.0	B4/5000		G2/5000
BVH (80°-90°)	90.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8	7138.8
2.5°	7103.1	7174.4	7143.2	7125.4	7138.8	7116.5	7080.9	7121.0	7112.0	7076.4	7063.1
5°	7085.3	7138.8	7103.1	7138.8	7103.1	7165.5	7147.7	7080.9	7161.0	7085.3	7112.0
7.5°	7072.0	7089.8	7098.7	7080.9	7067.5	7143.2	7103.1	7072.0	7027.4	7014.1	7036.3
10°	7040.8	7085.3	7018.5	7107.6	7125.4	7072.0	7072.0	7014.1	6978.4	6956.2	7031.9
12.5°	7121.0	7045.2	7036.3	7080.9	7094.2	7116.5	7054.2	7023.0	6956.2	6965.1	6951.7
15°	7027.4	7058.6	7063.1	7072.0	7085.3	7138.8	7080.9	7014.1	6987.4	6893.8	6902.7
17.5°	7063.1	7031.9	7063.1	7165.5	7147.7	7187.8	7125.4	7023.0	6960.6	6907.2	6978.4
20°	7125.4	7112.0	7125.4	7250.1	7272.4	7308.0	7254.6	7161.0	7040.8	6978.4	7014.1
22.5°	7192.2	7183.3	7192.2	7312.4	7441.6	7486.1	7432.7	7214.5	7152.1	7036.3	6996.3
25°	7312.4	7321.4	7414.9	7548.5	7633.1	7717.7	7619.7	7463.9	7263.5	7192.2	7107.6
27.5°	7579.7	7601.9	7655.4	7851.3	7998.3	8074.0	7935.9	7722.2	7597.5	7450.5	7428.2
30°	7909.2	7909.2	8002.7	8172.0	8372.4	8488.1	8318.9	8065.1	7913.7	7833.5	7784.5
32.5°	8345.6	8296.6	8332.3	8630.6	8942.4	9040.4	8813.2	8501.5	8261.0	8154.1	8118.5
35°	8719.7	8750.9	8831.1	9151.7	9499.1	9726.2	9369.9	8964.7	8719.7	8621.7	8603.9
37.5°	9205.1	9258.6	9298.7	9739.5	10158.2	10242.8	9899.9	9574.8	9276.4	9196.2	9151.7
40°	9891.0	9855.3	9868.7	10193.8	10572.3	10625.8	10287.3	10055.7	9810.8	9761.8	9761.8
42.5°	10456.5	10416.5	10461.0	10581.2	10870.7	10830.6	10643.6	10474.3	10371.9	10318.5	10371.9
45°	10799.4	10790.5	10870.7	10959.8	11164.6	11031.0	10884.1	10910.8	10812.8	10723.7	10719.3
47.5°	11173.5	11115.6	11213.6	11347.2	11191.3	11129.0	11120.1	11178.0	11146.8	10990.9	10942.0
50°	11356.1	11333.8	11489.7	11645.6	11561.0	11418.5	11449.6	11543.2	11142.4	10933.0	10812.8
52.5°	11846.0	11850.4	12148.8	12233.4	12197.8	11988.5	12055.3	11801.5	11329.4	11035.5	11048.8
55°	12616.4	12585.2	12919.3	13168.6	13208.7	12941.5	12620.9	12264.6	11672.3	11373.9	11284.9
57°	12193.4	12264.6	12634.2	13373.5	13747.6	13431.4	12732.2	12082.0	11293.8	10933.0	10772.7
57.5°	11627.8	11743.6	12384.8	13128.6	13520.5	13493.7	12594.2	11743.6	11039.9	10478.8	10492.2
60°	8519.3	8541.6	9120.5	10300.7	11525.3	11552.1	10456.5	9329.8	8546.0	7935.9	8020.5
62.5°	4493.5	4595.9	4827.5	5776.0	6835.9	7094.2	6430.7	5851.7	5174.8	4711.7	4756.2
65°	2378.1	2364.7	2476.1	2743.3	3264.3	3397.9	3308.9	2850.2	2614.1	2538.4	2542.9
67.5°	1932.8	1955.0	1941.7	1955.0	1990.7	2048.6	2035.2	2053.0	2066.4	2088.6	2084.2
70°	1638.8	1638.8	1647.8	1652.2	1652.2	1678.9	1710.1	1768.0	1772.4	1794.7	1803.6
72.5°	1291.5	1282.6	1295.9	1327.1	1331.6	1353.8	1398.4	1434.0	1447.3	1447.3	1420.6
75°	877.3	886.2	904.0	930.8	957.5	997.6	1033.2	1055.5	1064.4	1051.0	1037.6
77.5°	494.3	503.2	516.6	556.7	587.8	623.5	663.6	685.8	708.1	712.5	685.8
80°	293.9	293.9	316.2	347.4	383.0	418.6	454.2	481.0	489.9	489.9	476.5
82.5°	178.1	182.6	200.4	231.6	262.7	285.0	316.2	338.5	356.3	351.8	342.9
85°	93.5	93.5	111.3	138.1	160.3	182.6	182.6	169.2	160.3	138.1	129.1
87.5°	31.2	26.7	35.6	35.6	31.2	35.6	35.6	40.1	40.1	40.1	40.1
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)