

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: P532593

Luminaire Tested: **GALN-SA8A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532593
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-SA8A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA 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: 16109 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

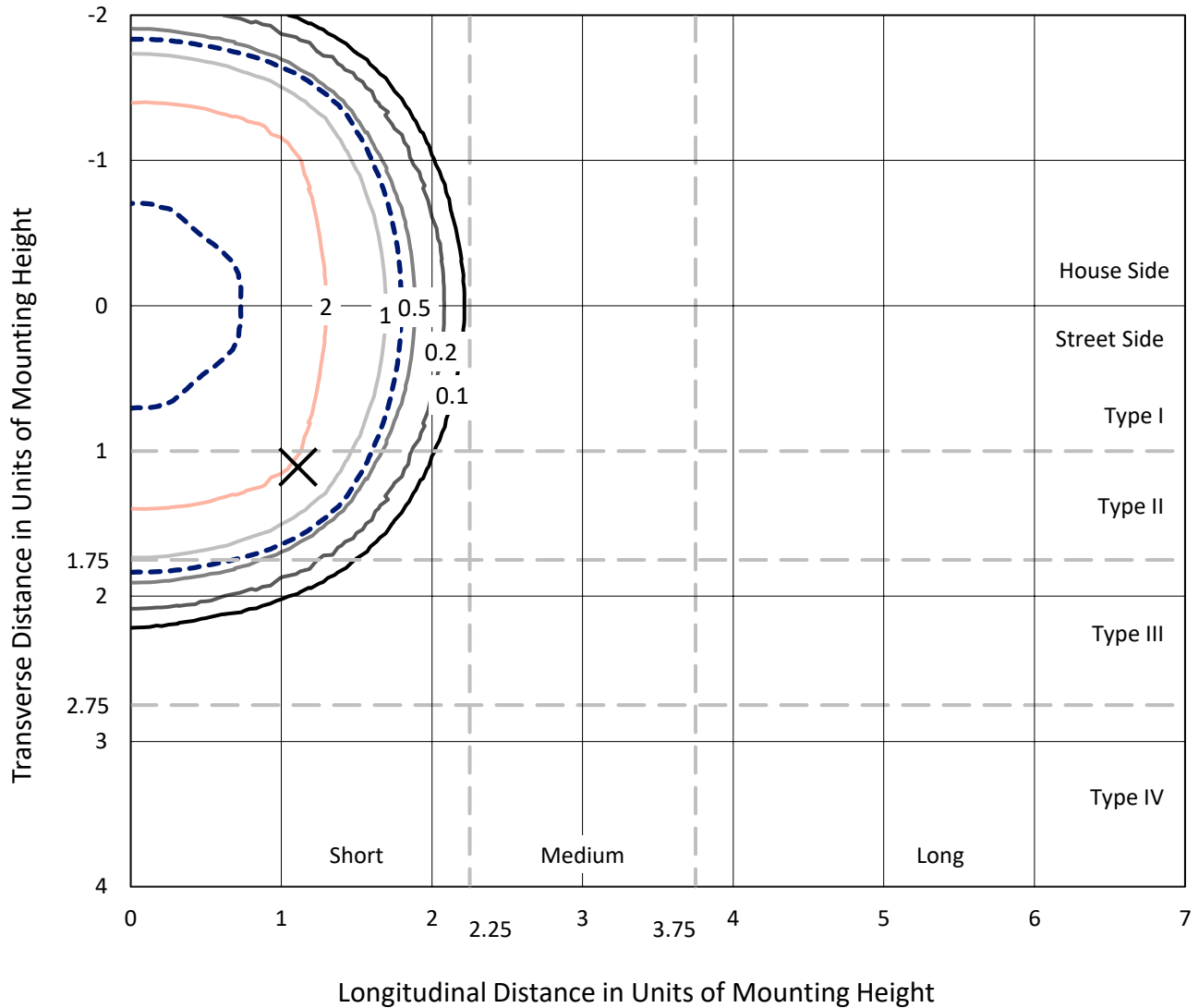
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532593
 CATALOG NUMBER: GALN-SA8A-727-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

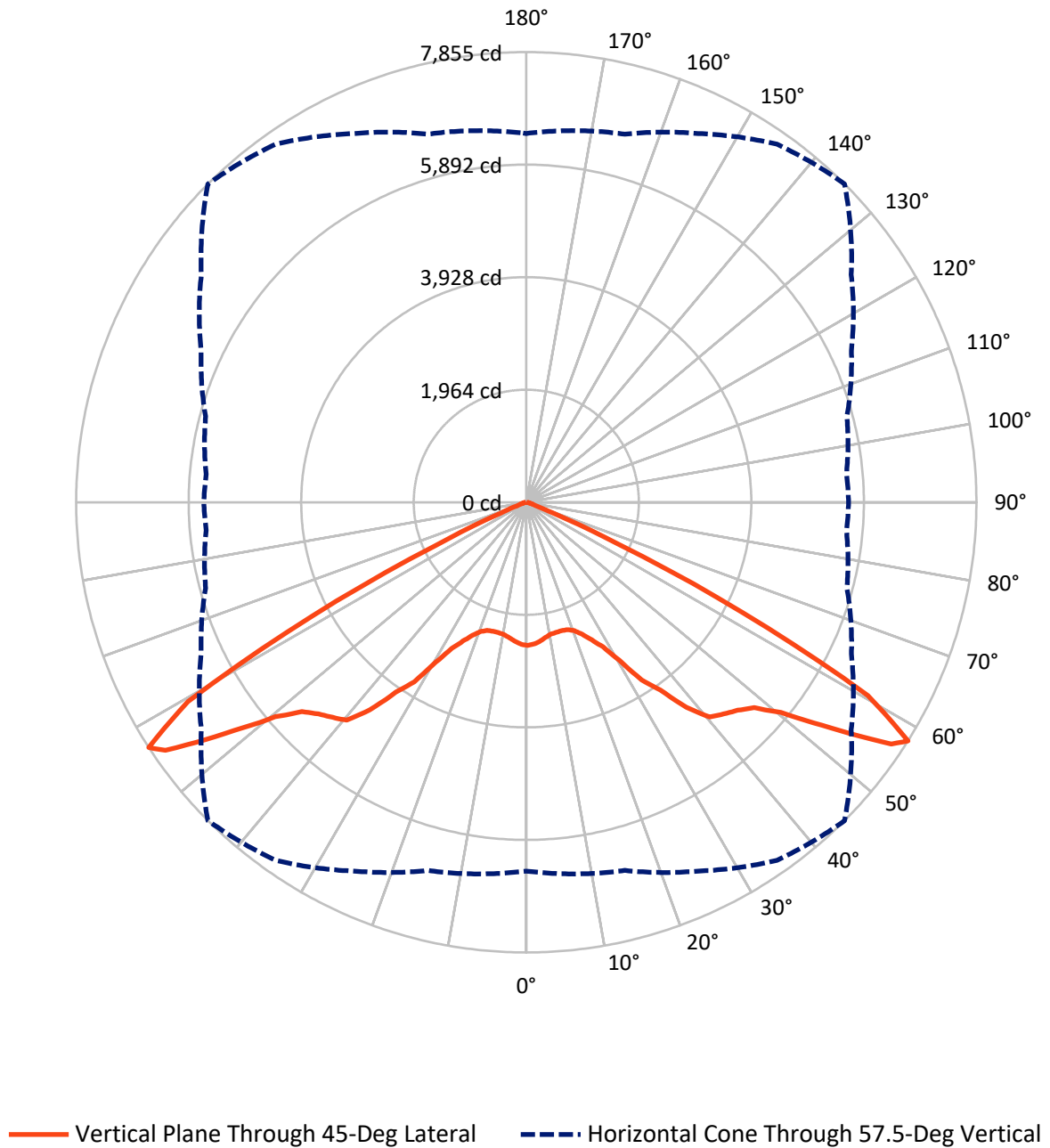
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P532593
CATALOG NUMBER: GALN-SA8A-727-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532593
 CATALOG NUMBER: GALN-SA8A-727-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8054.5	0.0	8054.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8054.5	0.0	8054.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16109.0	0.0	16109.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	1.4
10°-20°	663.7	4.1
20°-30°	1225.1	7.6
30°-40°	2409.3	15.0
40°-50°	3924.1	24.4
50°-60°	5596.2	34.7
60°-70°	1937.6	12.0
70°-80°	103.9	0.6
80°-90°	19.5	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°	16109.0	100.0
0°-180°	16109.0	100.0

Coefficient of Utilization

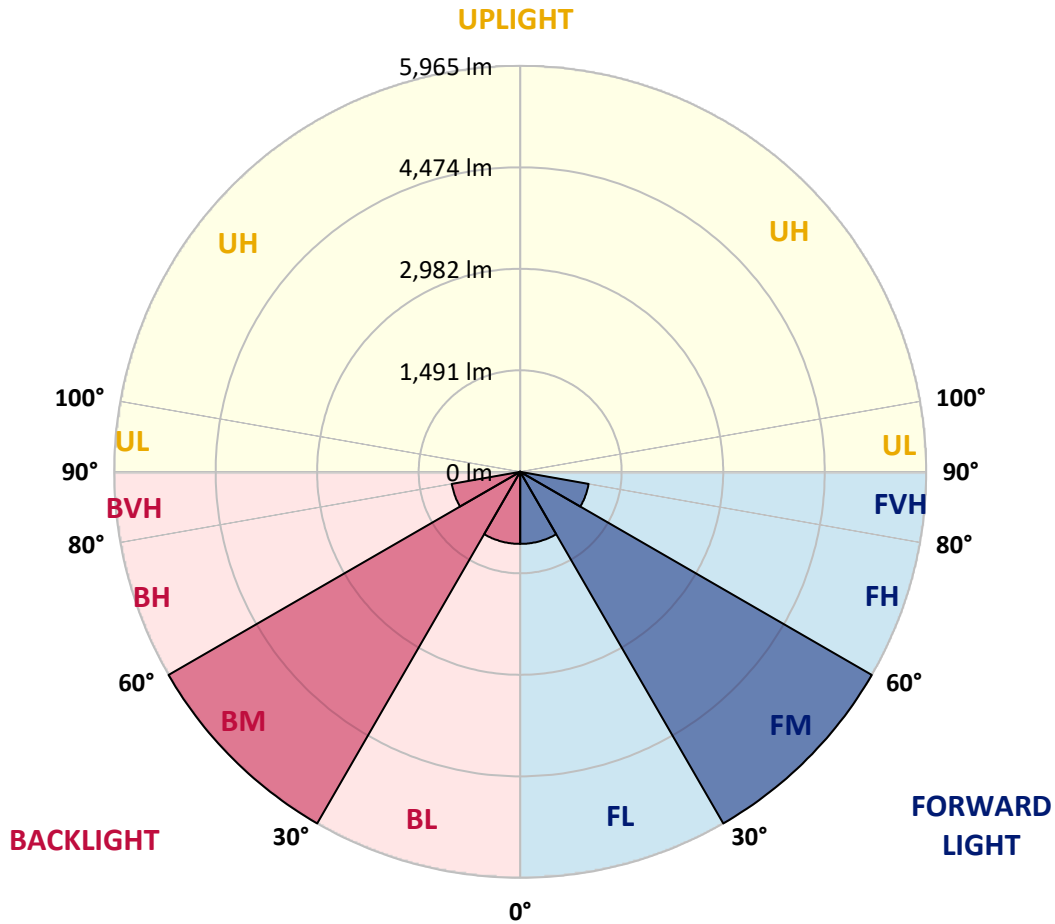


REPORT NUMBER: P532593
 CATALOG NUMBER: GALN-SA8A-727-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.2	6.6			
FM (30°-60°)	5964.8	37.0			
FH (60°-80°)	1020.7	6.3			G1/1800
FVH (80°-90°)	9.8	0.1			G0/10
BL (0°-30°)	1059.2	6.6	B3/2500		
BM (30°-60°)	5964.8	37.0	B4/8500		
BH (60°-80°)	1020.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	9.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





REPORT NUMBER: P532593

CATALOG NUMBER: GALN-SA8A-727-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7	2498.7
2.5°	2492.0	2505.4	2488.6	2481.9	2478.5	2478.5	2468.4	2468.4	2465.1	2468.4	2455.0
5°	2451.7	2465.1	2465.1	2461.7	2441.6	2438.2	2428.1	2421.4	2424.8	2411.4	2421.4
7.5°	2411.4	2421.4	2408.0	2404.6	2397.9	2384.5	2381.1	2350.9	2354.3	2354.3	2361.0
10°	2404.6	2401.3	2381.1	2364.3	2344.2	2340.8	2330.8	2324.0	2324.0	2320.7	2330.8
12.5°	2404.6	2387.8	2384.5	2347.5	2314.0	2327.4	2300.5	2283.7	2307.2	2314.0	2327.4
15°	2401.3	2418.1	2361.0	2344.2	2320.7	2324.0	2300.5	2283.7	2297.2	2303.9	2314.0
17.5°	2421.4	2411.4	2394.6	2361.0	2350.9	2337.5	2307.2	2293.8	2293.8	2310.6	2314.0
20°	2475.2	2448.3	2414.7	2397.9	2408.0	2391.2	2354.3	2303.9	2317.3	2330.8	2340.8
22.5°	2525.5	2505.4	2481.9	2471.8	2528.9	2502.0	2438.2	2381.1	2361.0	2384.5	2401.3
25°	2622.9	2622.9	2579.3	2592.7	2656.5	2659.9	2586.0	2485.2	2471.8	2481.9	2488.6
27.5°	2821.1	2831.2	2794.2	2807.7	2834.5	2858.0	2794.2	2710.3	2680.0	2676.7	2686.7
30°	3036.0	3056.2	3052.8	3109.9	3187.2	3200.6	3106.6	2968.9	2878.2	2861.4	2874.8
32.5°	3318.1	3328.2	3321.5	3388.7	3596.9	3694.3	3449.1	3254.3	3133.4	3163.6	3133.4
35°	3848.8	3838.7	3764.8	3778.2	3949.5	4020.0	3785.0	3660.7	3603.6	3664.1	3650.6
37.5°	4305.5	4268.6	4208.1	4295.4	4473.4	4537.2	4292.1	4073.8	3969.7	4070.4	4114.1
40°	4691.7	4597.7	4513.7	4601.1	4839.5	4926.8	4567.5	4389.5	4349.2	4423.1	4517.1
42.5°	5017.5	4957.0	4846.2	4852.9	5010.8	5051.1	4762.3	4658.1	4617.8	4735.4	4782.4
45°	5249.2	5192.1	5088.0	5081.3	5202.2	5175.3	4916.7	4846.2	4869.7	4947.0	4970.5
47.5°	5366.8	5397.0	5336.6	5353.3	5417.2	5353.3	5148.5	5148.5	5094.7	5141.8	5118.3
50°	5706.0	5611.9	5689.2	5689.2	5756.4	5763.1	5558.2	5484.3	5339.9	5259.3	5259.3
52.5°	6102.3	6109.0	6139.2	6250.0	6364.2	6461.6	6169.4	5853.7	5611.9	5507.8	5494.4
55°	6428.0	6495.2	6616.1	6824.3	7153.5	7287.8	6784.0	6219.8	5924.3	5763.1	5729.5
56°	6606.0	6542.2	6750.5	7035.9	7465.8	7640.4	6884.8	6293.7	5967.9	5786.6	5783.2
57.5°	6434.8	6505.3	6649.7	7099.7	7627.0	7855.4	6921.7	6260.1	5793.3	5608.6	5625.4
60°	5081.3	5148.5	5343.3	5847.0	6673.2	6851.2	5857.1	5161.9	4745.5	4480.2	4483.5
62.5°	2874.8	2925.2	3076.3	3543.1	4057.0	4228.3	3650.6	3187.2	2898.3	2750.6	2703.5
65°	1057.9	1037.8	1061.3	1299.7	1615.4	1759.8	1518.0	1282.9	1131.8	1078.1	1057.9
67.5°	396.3	366.1	342.6	366.1	460.1	487.0	446.7	372.8	349.3	359.4	366.1
70°	245.2	231.7	184.7	174.6	171.3	167.9	178.0	188.1	214.9	251.9	258.6
72.5°	171.3	161.2	131.0	124.3	117.5	114.2	131.0	144.4	167.9	194.8	198.1
75°	67.2	70.5	67.2	73.9	77.2	80.6	94.0	104.1	114.2	114.2	110.8
77.5°	13.4	13.4	20.2	26.9	33.6	43.7	63.8	73.9	77.2	73.9	63.8
80°	0.0	0.0	6.7	13.4	26.9	36.9	57.1	63.8	70.5	63.8	50.4
82.5°	0.0	0.0	6.7	16.8	26.9	33.6	53.7	67.2	77.2	70.5	53.7
85°	0.0	0.0	6.7	13.4	20.2	23.5	23.5	16.8	16.8	10.1	6.7
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)