

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: P527522

Luminaire Tested: **GALN-SA2C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12735 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

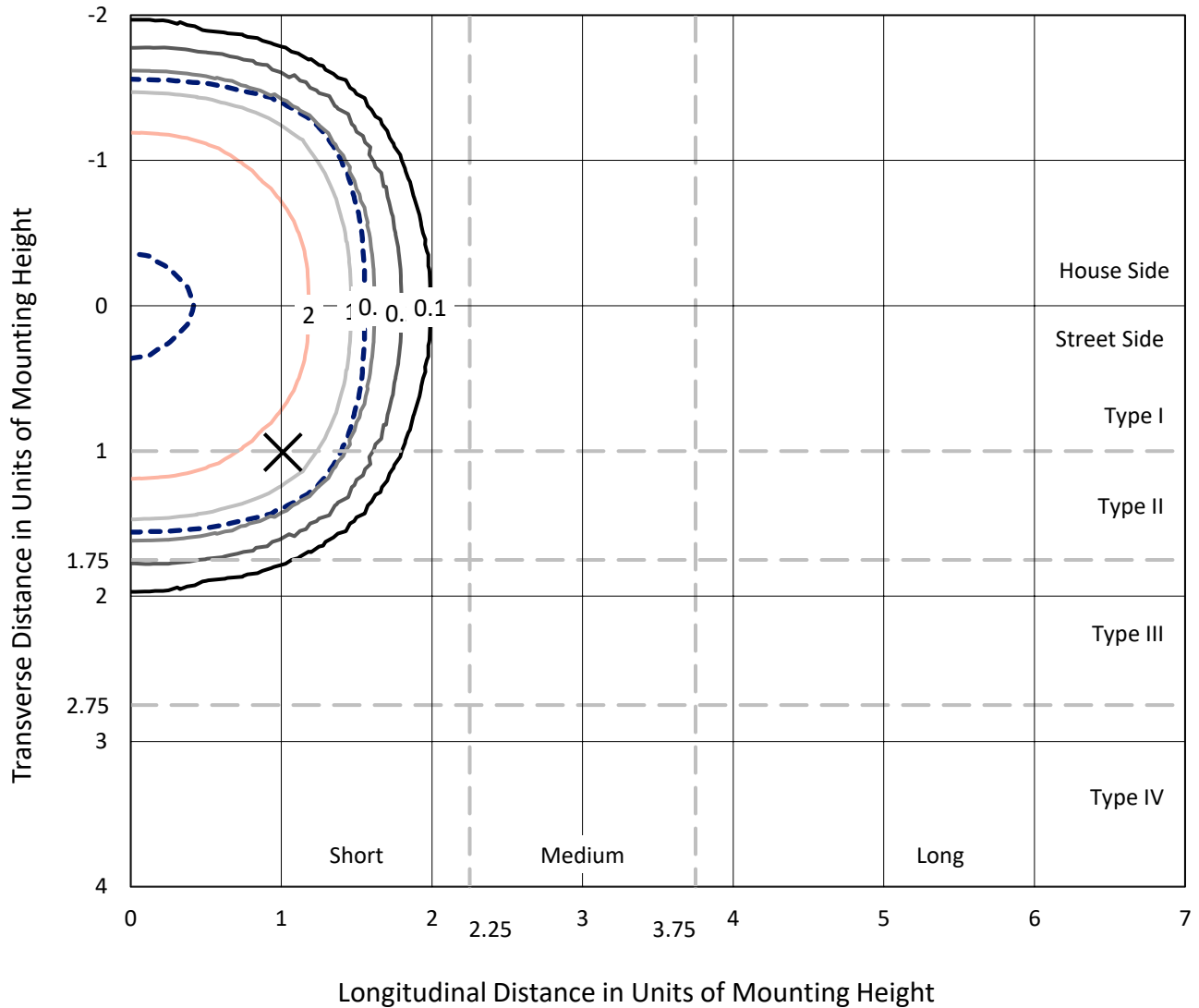
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

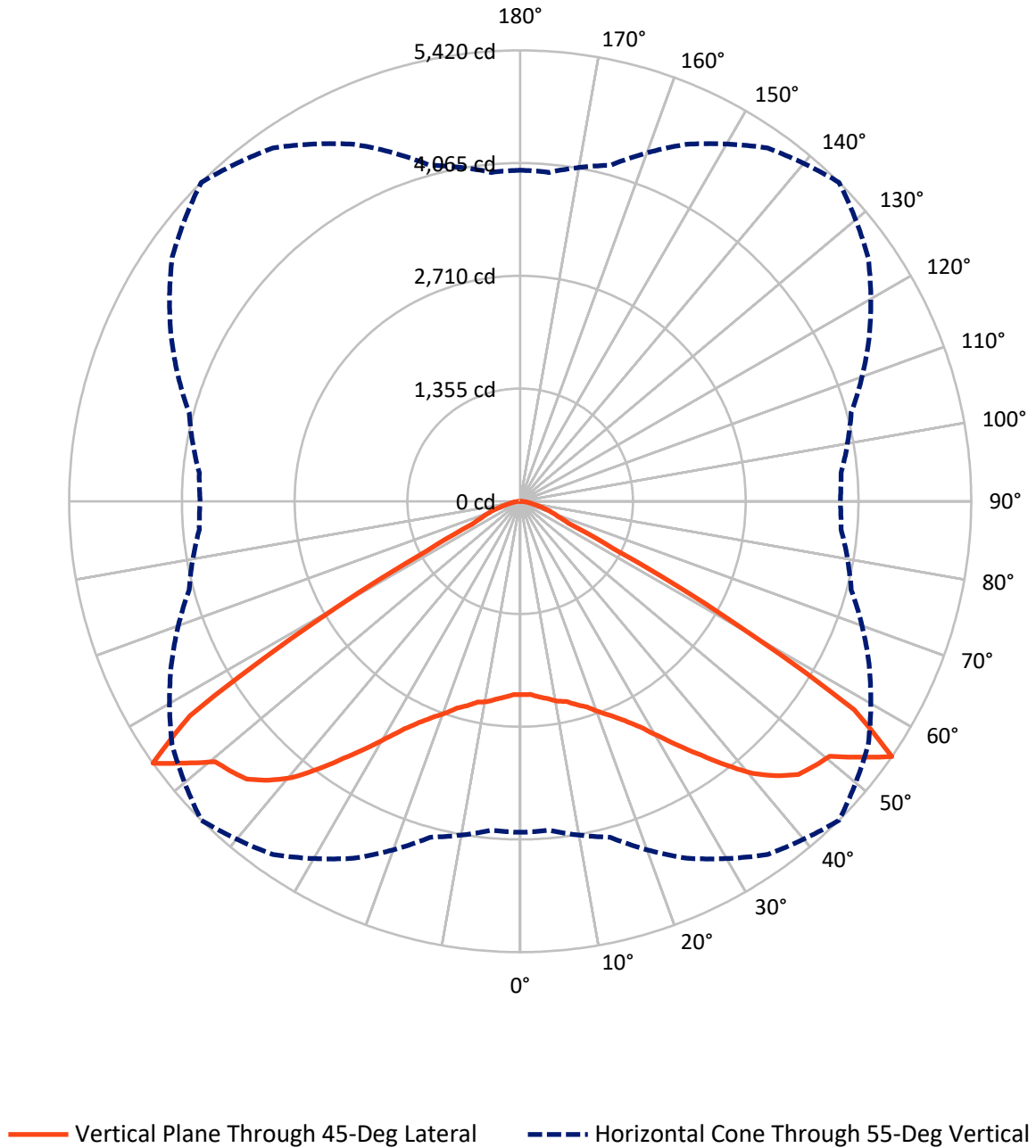
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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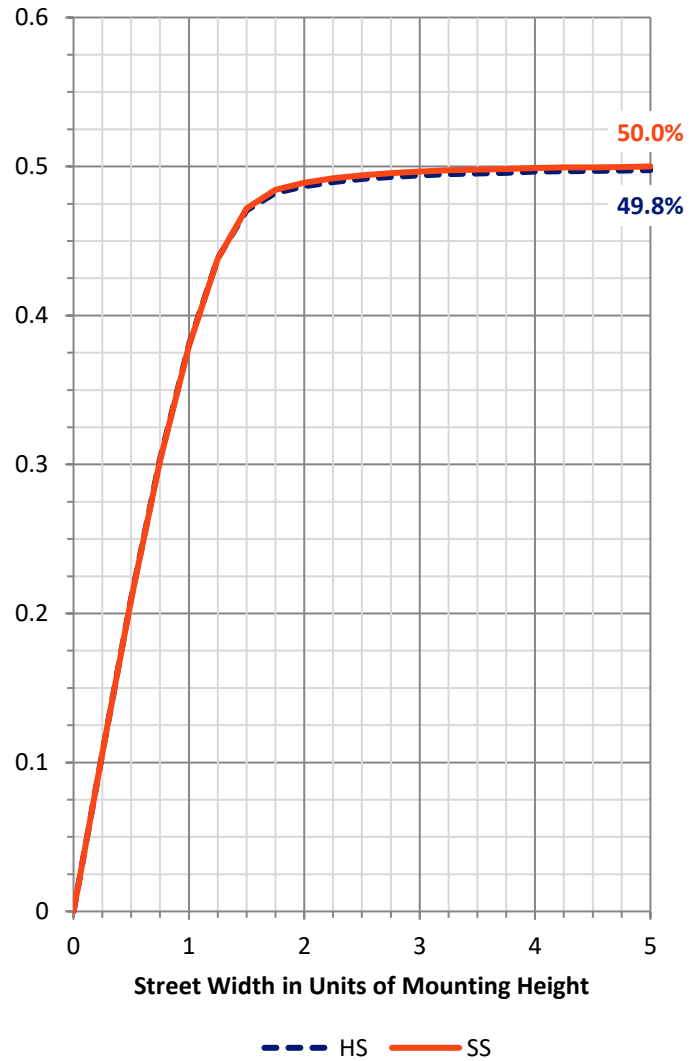
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6367.5	0.0	6367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6367.5	0.0	6367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12735.0	0.0	12735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.2	1.8
10°-20°	719.7	5.7
20°-30°	1342.1	10.5
30°-40°	2247.1	17.6
40°-50°	3496.6	27.5
50°-60°	3630.6	28.5
60°-70°	769.9	6.0
70°-80°	253.6	2.0
80°-90°	48.3	0.4
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°	12735.0	100.0
0°-180°	12735.0	100.0

Coefficient of Utilization



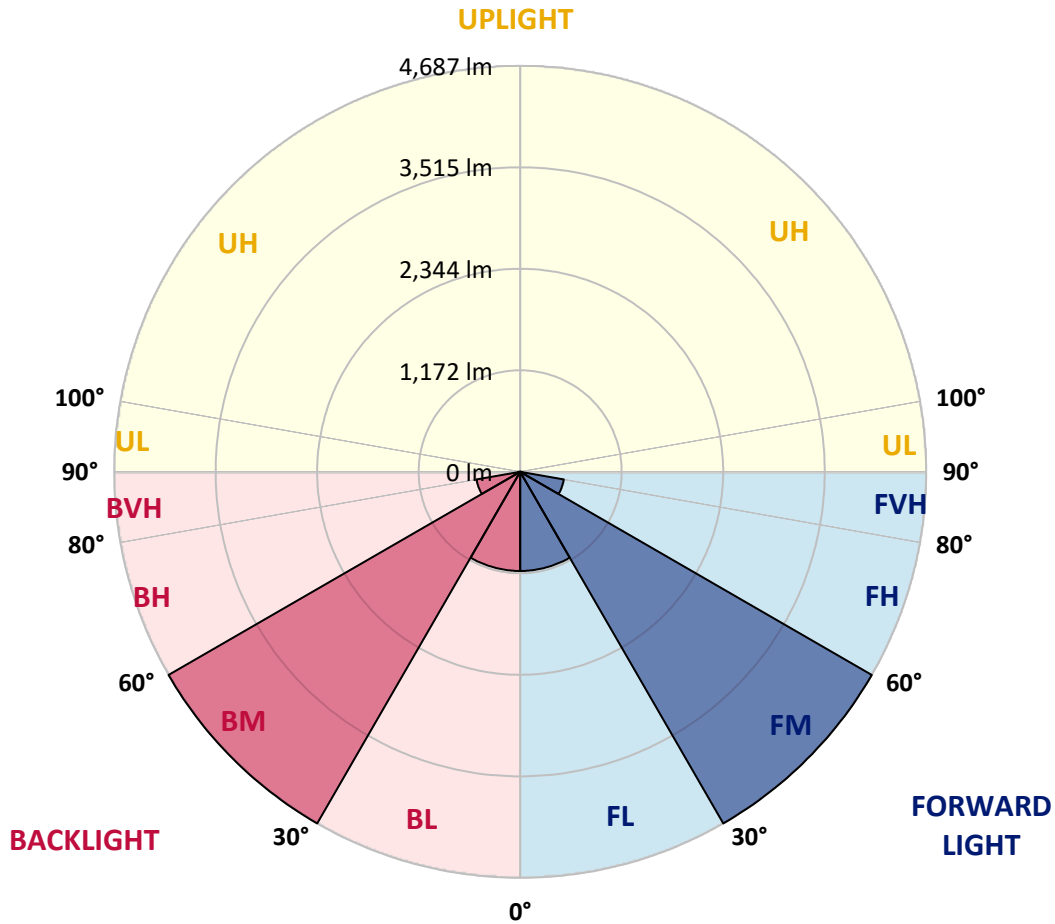
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1144.5	9.0			
FM (30°-60°)	4687.1	36.8			
FH (60°-80°)	511.8	4.0			G0/660
FVH (80°-90°)	24.1	0.2			G1/100
BL (0°-30°)	1144.5	9.0	B3/2500		
BM (30°-60°)	4687.1	36.8	B3/5000		
BH (60°-80°)	511.8	4.0	B2/1000		G0/660
BVH (80°-90°)	24.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2	2325.2
2.5°	2352.9	2342.1	2323.7	2337.5	2348.3	2325.2	2334.5	2339.1	2336.0	2323.7	2328.3
5°	2386.8	2380.6	2365.2	2376.0	2362.2	2362.2	2352.9	2340.6	2359.1	2356.0	2363.7
7.5°	2386.8	2379.1	2409.9	2389.9	2396.0	2396.0	2380.6	2368.3	2377.5	2363.7	2356.0
10°	2434.5	2445.3	2431.4	2436.0	2432.9	2443.7	2420.6	2412.9	2405.2	2400.6	2391.4
12.5°	2491.4	2483.7	2488.3	2485.3	2496.0	2468.3	2454.5	2437.6	2451.4	2431.4	2445.3
15°	2537.6	2533.0	2537.6	2549.9	2539.1	2537.6	2513.0	2496.0	2474.5	2479.1	2457.6
17.5°	2600.7	2596.1	2597.6	2608.4	2606.8	2599.1	2580.7	2548.4	2540.7	2528.4	2514.5
20°	2694.5	2686.9	2683.8	2688.4	2696.1	2702.2	2665.3	2653.0	2626.8	2606.8	2583.7
22.5°	2774.6	2771.5	2783.8	2763.8	2780.7	2799.2	2763.8	2757.6	2693.0	2682.2	2657.6
25°	2885.4	2880.8	2873.1	2902.3	2922.3	2920.8	2886.9	2853.1	2803.8	2791.5	2791.5
27.5°	3002.3	2976.2	3016.2	3023.9	3059.3	3070.0	3040.8	2991.5	2945.4	2919.2	2925.4
30°	3148.5	3123.9	3133.1	3188.5	3234.7	3274.7	3200.8	3128.5	3063.9	3017.7	3010.0
32.5°	3294.7	3270.1	3297.8	3351.6	3444.0	3504.0	3431.7	3305.5	3230.1	3162.4	3176.2
35°	3413.2	3431.7	3476.3	3557.8	3653.3	3750.2	3634.8	3537.8	3430.1	3354.7	3365.5
37.5°	3604.0	3661.0	3696.3	3790.2	3925.6	4025.7	3905.6	3779.4	3664.0	3565.5	3531.7
40°	3853.3	3891.8	3931.8	4042.6	4202.6	4302.7	4188.8	4024.1	3910.2	3808.7	3804.1
42.5°	4127.2	4164.2	4205.7	4341.1	4436.5	4511.9	4407.3	4319.6	4193.4	4113.4	4108.8
45°	4445.8	4419.6	4465.8	4555.0	4635.1	4684.3	4616.6	4573.5	4482.7	4408.8	4401.1
47.5°	4658.1	4635.1	4718.2	4798.2	4810.5	4756.6	4770.5	4810.5	4715.1	4593.5	4632.0
50°	4781.2	4781.2	4836.6	4910.5	4887.4	4818.2	4927.4	4930.5	4835.1	4727.4	4727.4
52.5°	4567.3	4615.0	4772.0	5013.6	5090.6	5110.6	5085.9	4981.3	4732.0	4511.9	4501.2
55°	3979.5	3968.7	4181.1	4735.1	5182.9	5419.9	5105.9	4624.3	4118.0	3870.2	3845.6
57.5°	2588.4	2600.7	2917.7	3482.4	4290.3	4732.0	4202.6	3525.5	2917.7	2576.1	2608.4
60°	1164.9	1206.5	1398.8	1820.5	2514.5	2874.6	2520.7	1912.8	1468.1	1274.2	1291.1
62.5°	669.4	677.1	684.8	812.5	1071.0	1266.5	1112.6	858.7	757.1	723.3	723.3
65°	564.8	560.1	561.7	572.5	600.2	640.2	623.2	600.2	603.2	600.2	595.5
67.5°	480.1	486.3	481.7	489.4	490.9	497.1	507.8	517.1	518.6	521.7	518.6
70°	393.9	395.5	398.6	404.7	406.3	410.9	426.3	434.0	438.6	438.6	444.7
72.5°	301.6	300.1	303.2	309.3	317.0	318.5	332.4	343.2	349.3	341.6	343.2
75°	198.5	200.1	204.7	209.3	220.1	230.8	235.4	246.2	247.8	250.8	243.1
77.5°	118.5	121.6	126.2	135.4	144.7	153.9	164.7	172.4	175.4	172.4	163.1
80°	76.9	76.9	83.1	90.8	101.6	109.3	115.4	121.6	126.2	121.6	118.5
82.5°	47.7	47.7	55.4	64.6	72.3	76.9	86.2	93.9	98.5	95.4	90.8
85°	24.6	26.2	32.3	40.0	46.2	49.2	47.7	43.1	38.5	36.9	33.9
87.5°	7.7	7.7	9.2	9.2	7.7	7.7	9.2	7.7	9.2	9.2	9.2
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)