

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: P528457

Luminaire Tested: **GALN-SA3C-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528457  
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-SA3C-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1050mA 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: 14418 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

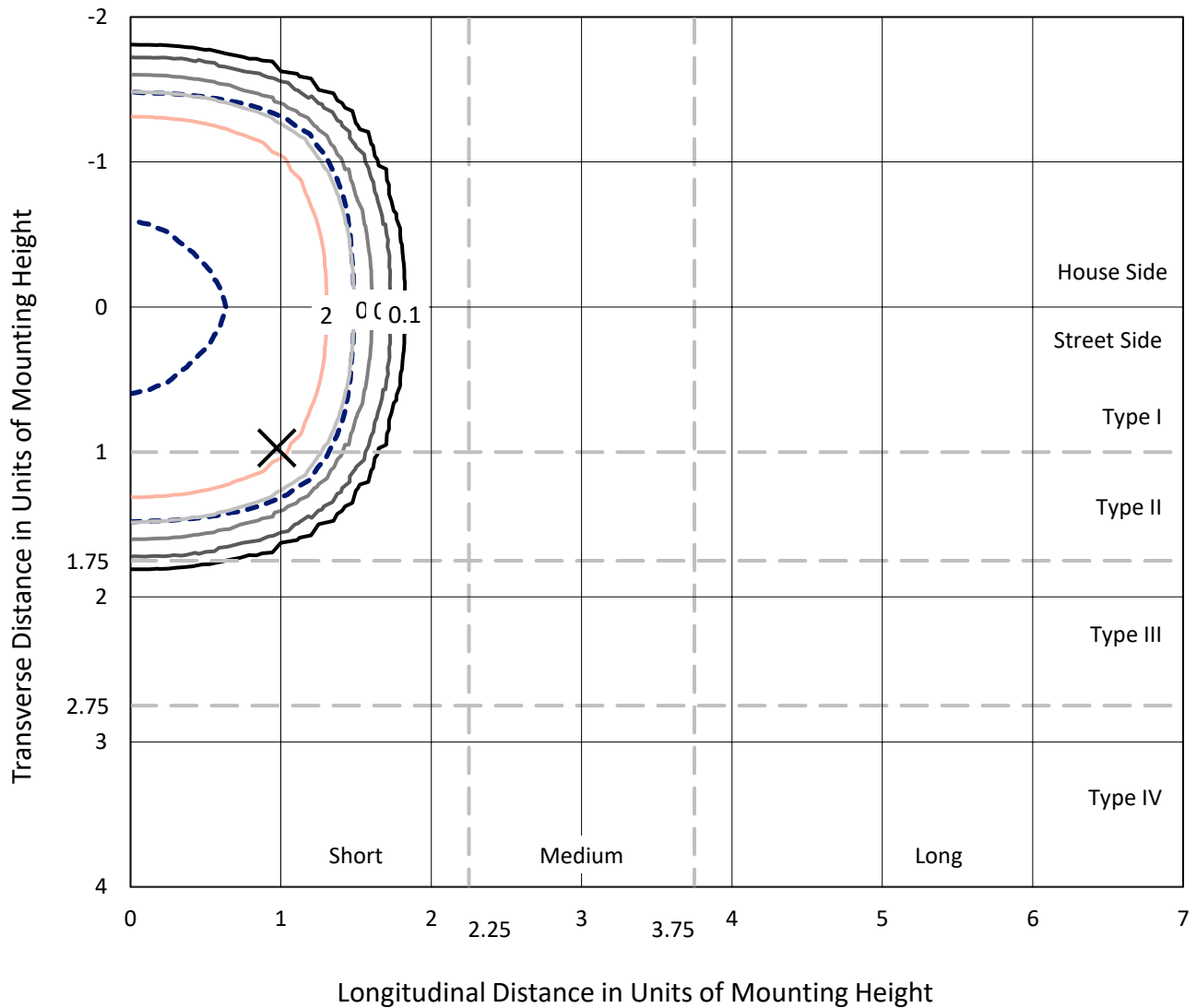
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

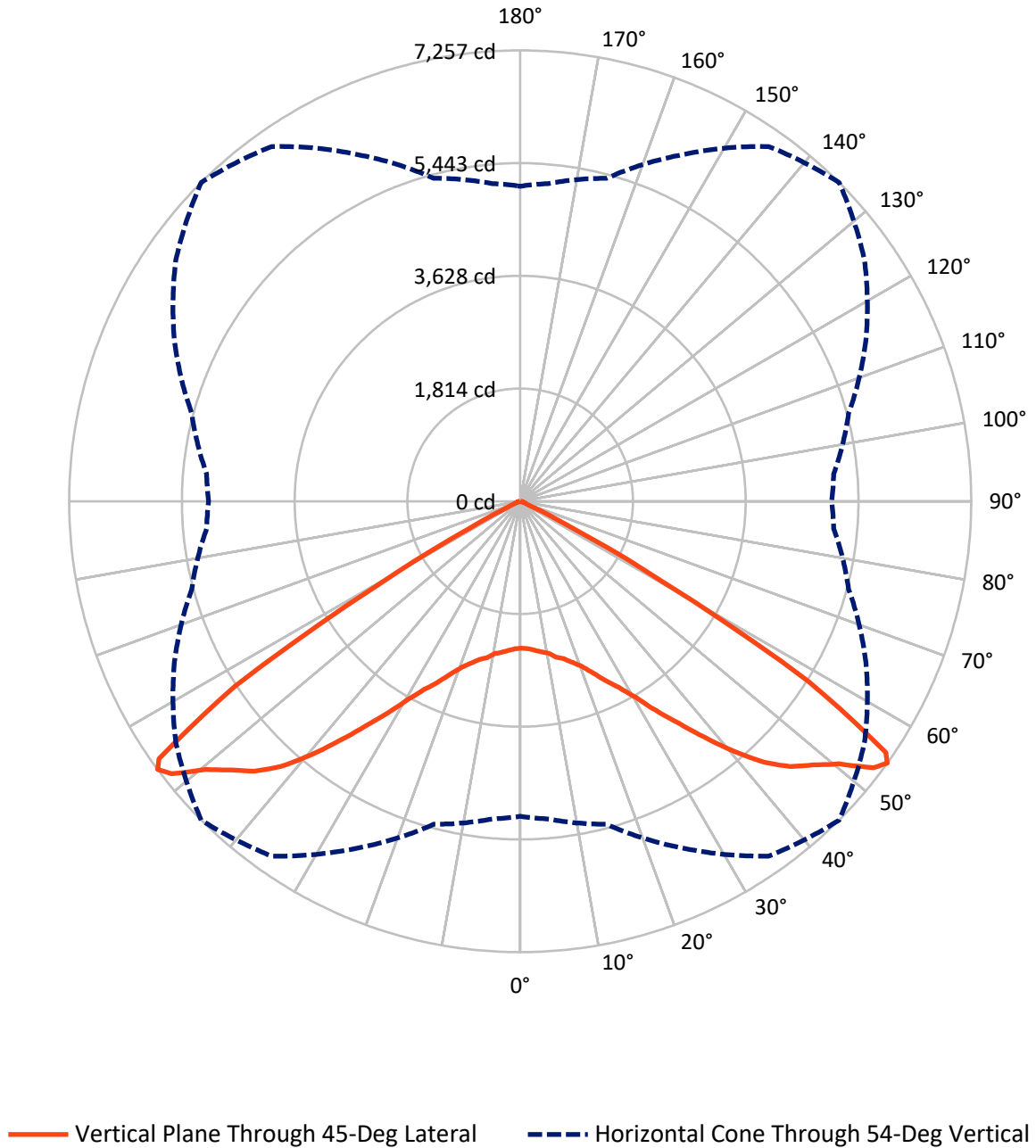
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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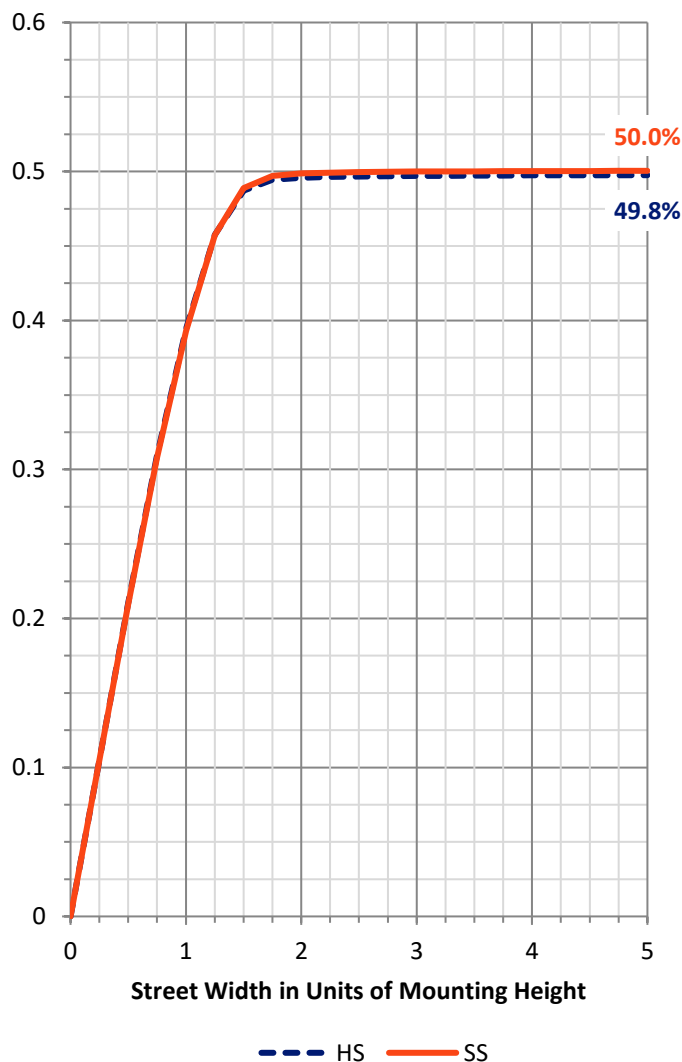
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7209.0	0.0	7209.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7209.0	0.0	7209.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14418.0	0.0	14418.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.4	1.6
10°-20°	749.3	5.2
20°-30°	1468.6	10.2
30°-40°	2640.9	18.3
40°-50°	4520.7	31.4
50°-60°	4374.2	30.3
60°-70°	374.4	2.6
70°-80°	44.4	0.3
80°-90°	13.9	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°	14418.0	100.0
0°-180°	14418.0	100.0

**Coefficient of Utilization**

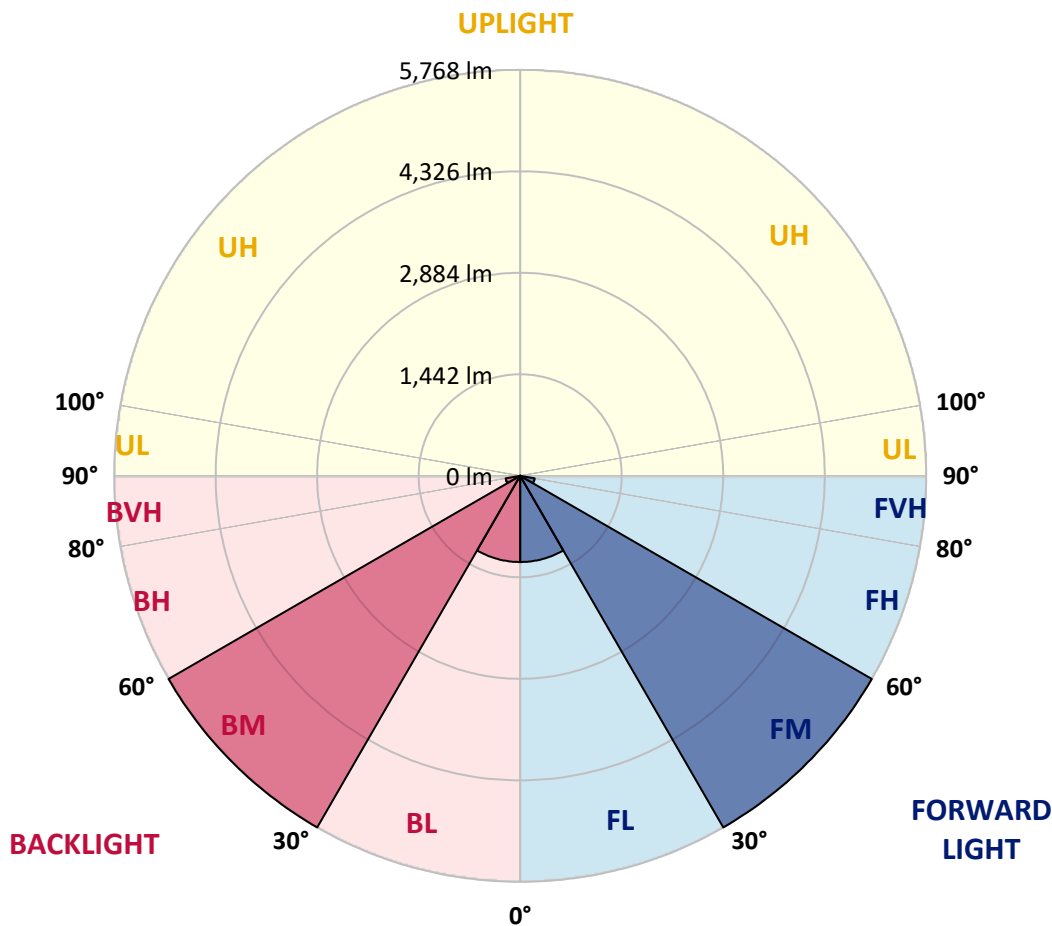


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1224.7	8.5			
FM (30°-60°)	5767.9	40.0			
FH (60°-80°)	209.4	1.5			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	1224.7	8.5	B3/2500		
BM (30°-60°)	5767.9	40.0	B4/8500		
BH (60°-80°)	209.4	1.5	B1/500		G0/660
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1	2364.1
2.5°	2375.5	2389.2	2380.1	2386.9	2386.9	2375.5	2382.4	2355.0	2373.2	2359.5	2361.8
5°	2412.1	2409.8	2409.8	2412.1	2402.9	2407.5	2398.4	2389.2	2382.4	2373.2	2400.6
7.5°	2457.8	2457.8	2441.8	2446.3	2441.8	2448.6	2430.3	2412.1	2405.2	2398.4	2393.8
10°	2501.2	2496.6	2489.7	2510.3	2494.3	2485.2	2476.0	2464.6	2439.5	2430.3	2421.2
12.5°	2565.1	2562.8	2553.7	2574.2	2565.1	2574.2	2540.0	2510.3	2505.7	2476.0	2492.0
15°	2640.5	2661.0	2645.1	2645.1	2640.5	2629.1	2615.4	2601.7	2560.5	2549.1	2551.4
17.5°	2738.7	2731.9	2734.1	2734.1	2757.0	2727.3	2699.9	2665.6	2645.1	2638.2	2615.4
20°	2832.4	2841.5	2839.2	2855.2	2868.9	2836.9	2807.2	2802.7	2745.6	2754.7	2722.7
22.5°	2996.8	2990.0	3001.4	3012.8	3003.7	2999.1	2971.7	2937.4	2887.2	2864.3	2859.8
25°	3170.4	3159.0	3138.4	3165.8	3179.5	3200.1	3147.6	3129.3	3051.6	3017.4	3019.7
27.5°	3318.9	3334.9	3357.7	3369.1	3403.4	3396.5	3360.0	3300.6	3241.2	3202.4	3177.3
30°	3522.2	3531.3	3570.1	3586.1	3645.5	3661.5	3604.4	3535.9	3430.8	3380.6	3350.9
32.5°	3709.5	3773.4	3771.1	3851.1	3947.0	4013.3	3910.5	3805.4	3700.3	3640.9	3588.4
35°	4013.3	4001.8	4068.1	4152.6	4307.9	4383.3	4271.4	4150.3	3990.4	3894.5	3853.4
37.5°	4296.5	4301.1	4390.2	4524.9	4703.1	4819.6	4721.4	4522.6	4358.2	4234.8	4177.7
40°	4707.6	4716.8	4808.2	4961.2	5162.2	5287.8	5173.6	4972.6	4753.3	4657.4	4657.4
42.5°	5189.6	5228.4	5287.8	5420.3	5600.8	5740.1	5637.3	5479.7	5258.1	5134.8	5153.1
45°	5685.3	5703.5	5742.4	5938.8	6023.3	6091.8	5995.9	5922.8	5774.3	5623.6	5598.5
47.5°	6149.0	6155.8	6270.0	6331.7	6397.9	6340.8	6402.5	6306.6	6139.8	5993.6	5963.9
50°	6354.5	6343.1	6505.3	6692.6	6742.8	6642.3	6589.8	6525.8	6272.3	6096.4	6018.8
52.5°	5756.1	5822.3	6123.8	6644.6	7037.5	7122.0	6815.9	6521.3	6048.4	5705.8	5653.3
54°	5070.8	5132.5	5381.5	6153.5	6971.2	7256.8	6763.4	6137.5	5470.6	5064.0	5011.4
55°	4392.4	4323.9	4776.2	5564.2	6660.6	7138.0	6555.5	5641.9	4879.0	4506.6	4433.5
57.5°	2377.8	2389.2	2770.7	3515.3	4680.2	5472.8	4833.3	3816.8	2882.6	2464.6	2428.1
60°	753.8	772.0	938.8	1420.7	2236.2	2670.2	2288.7	1532.7	1059.8	849.7	815.4
62.5°	235.3	244.4	267.2	397.4	612.2	874.8	685.2	411.1	306.1	281.0	285.5
65°	143.9	143.9	146.2	155.3	182.7	212.4	205.6	180.4	173.6	169.0	166.7
67.5°	93.7	91.4	95.9	102.8	107.4	109.6	116.5	123.3	121.1	116.5	116.5
70°	57.1	54.8	59.4	68.5	70.8	75.4	82.2	91.4	89.1	84.5	86.8
72.5°	32.0	32.0	34.3	41.1	48.0	52.5	59.4	66.2	68.5	66.2	66.2
75°	11.4	13.7	18.3	25.1	29.7	36.5	43.4	50.3	57.1	52.5	50.3
77.5°	4.6	4.6	9.1	16.0	22.8	29.7	41.1	48.0	52.5	48.0	43.4
80°	2.3	2.3	6.9	13.7	20.6	27.4	34.3	41.1	43.4	38.8	34.3
82.5°	2.3	2.3	6.9	13.7	20.6	25.1	36.5	41.1	45.7	41.1	34.3
85°	0.0	2.3	6.9	13.7	18.3	20.6	20.6	13.7	11.4	6.9	6.9
87.5°	0.0	0.0	2.3	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)