

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: P527520

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527520
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-SA2C-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 12479 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

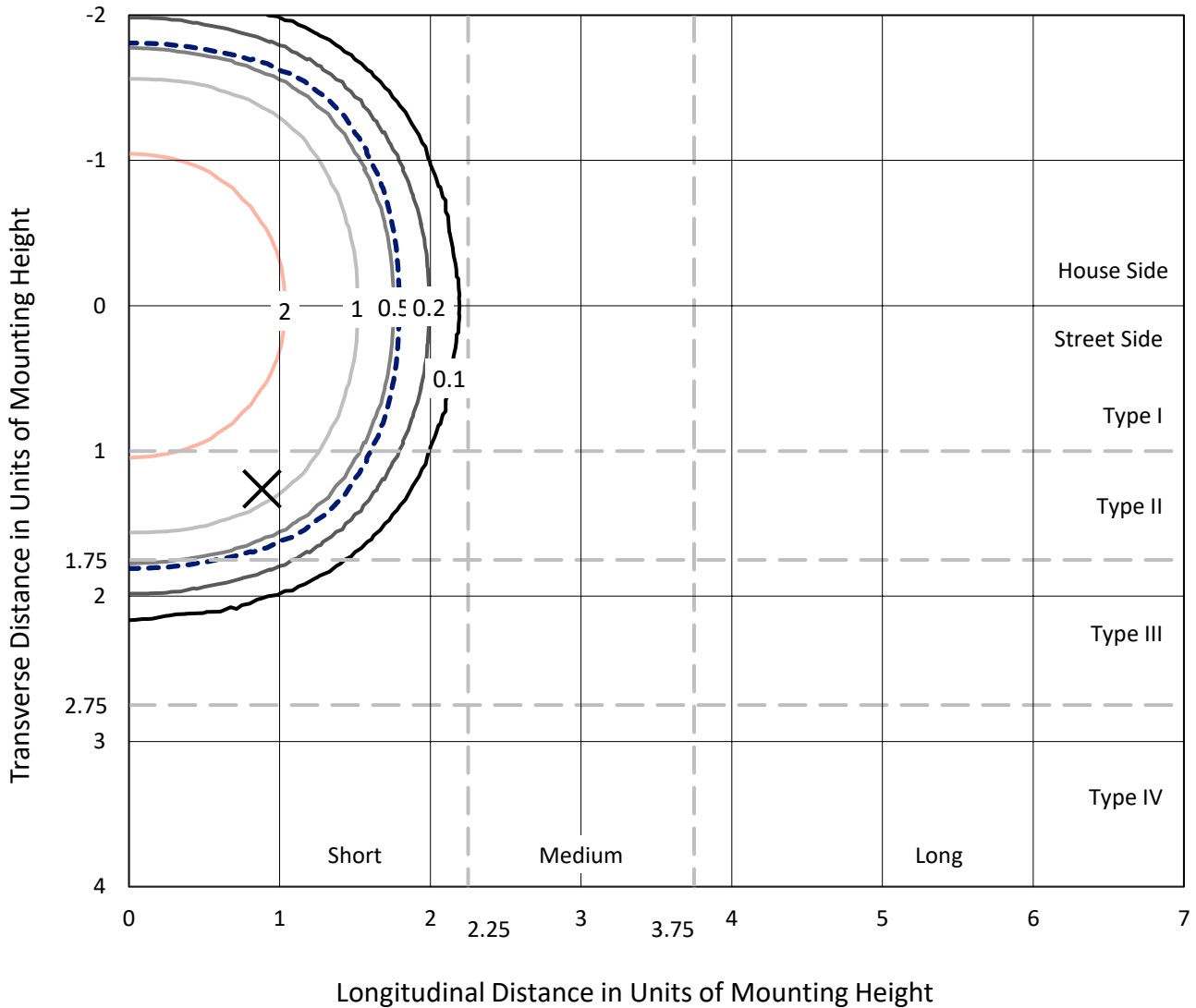
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

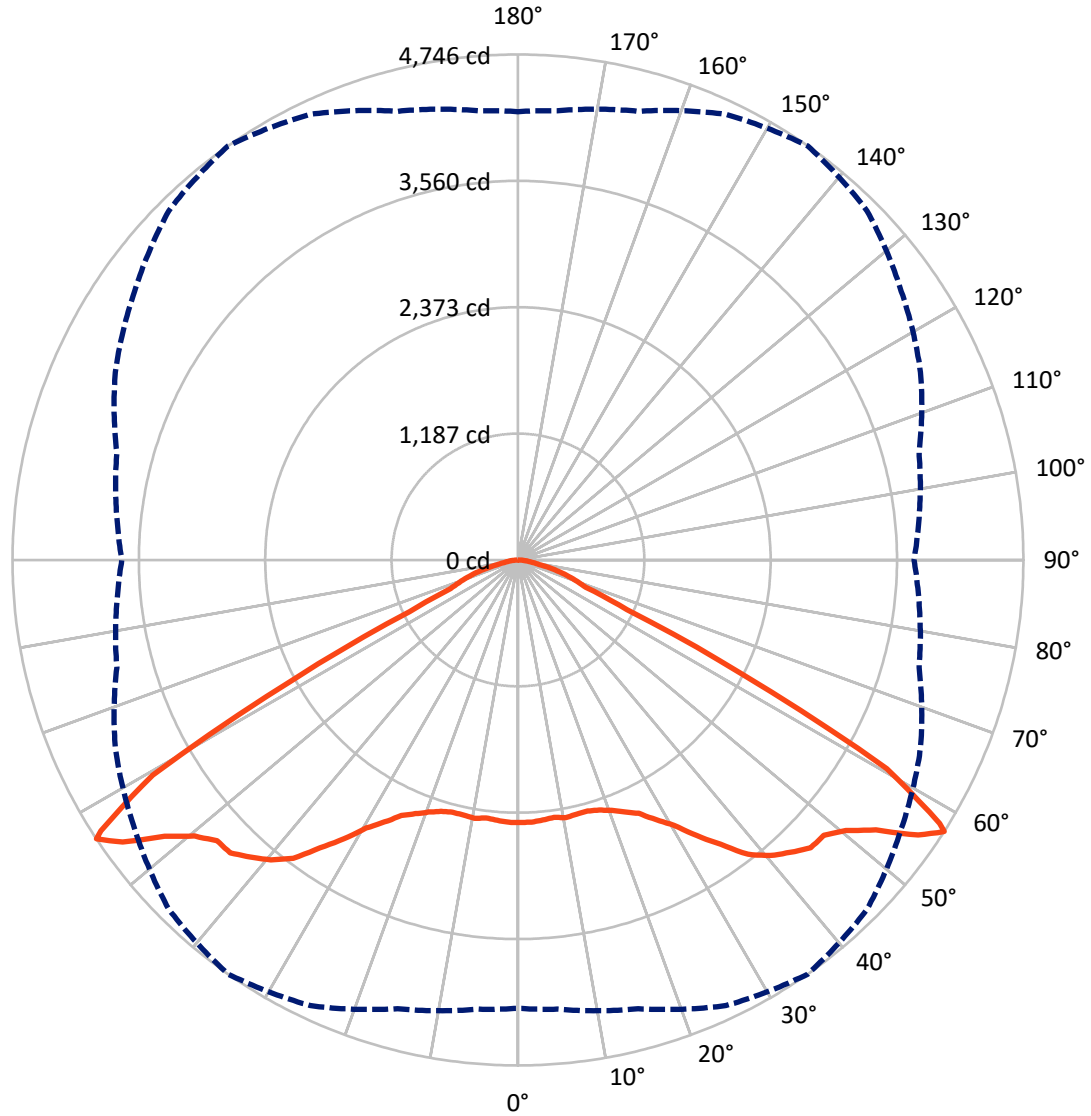
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	6239.5	0.0	6239.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6239.5	0.0	6239.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12479.0	0.0	12479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.6	1.9
10°-20°	692.0	5.5
20°-30°	1208.6	9.7
30°-40°	1980.2	15.9
40°-50°	2903.5	23.3
50°-60°	3657.2	29.3
60°-70°	1375.4	11.0
70°-80°	365.7	2.9
80°-90°	62.7	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°	12479.0	100.0
0°-180°	12479.0	100.0

Coefficient of Utilization

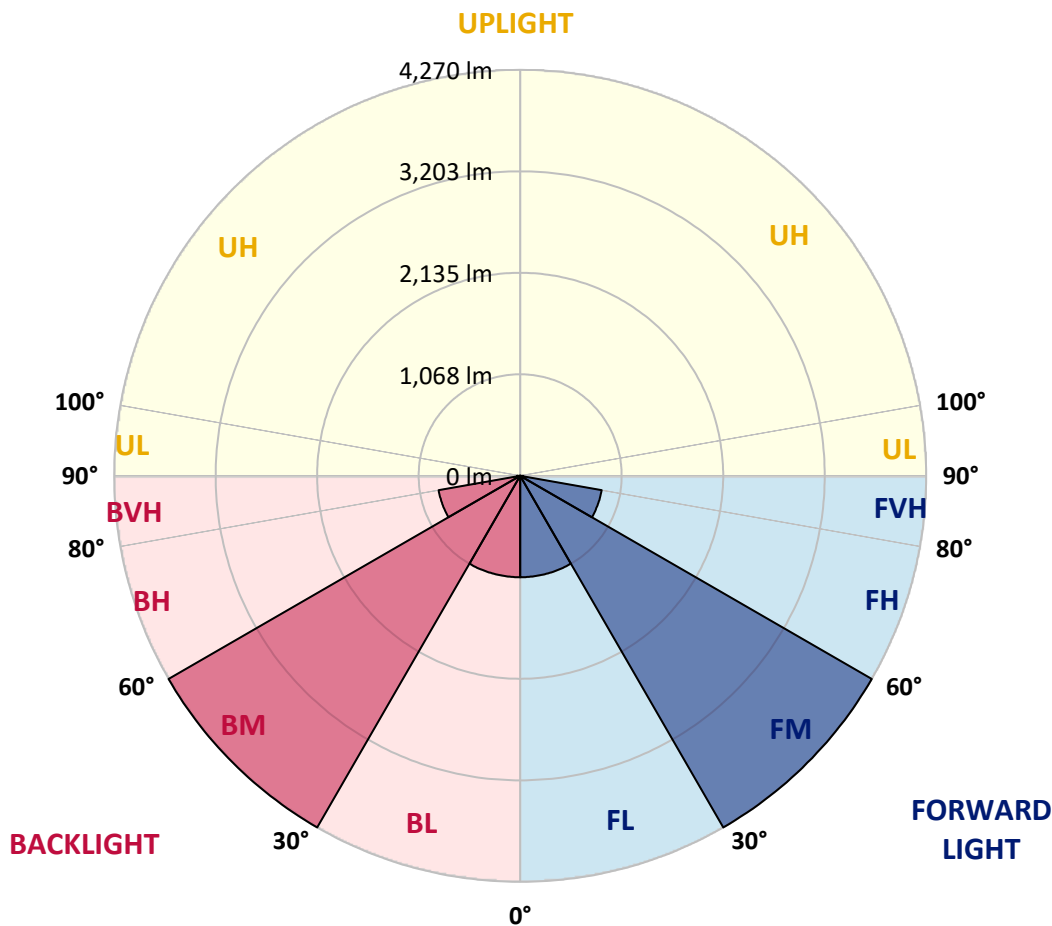


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1067.1	8.6			
FM (30°-60°)	4270.5	34.2			
FH (60°-80°)	870.6	7.0			G1/1800
FVH (80°-90°)	31.3	0.3			G1/100
BL (0°-30°)	1067.1	8.6	B3/2500		
BM (30°-60°)	4270.5	34.2	B3/5000		
BH (60°-80°)	870.6	7.0	B2/1000		G1/1800
BVH (80°-90°)	31.3	0.3			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°	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5
2.5°	2452.2	2476.8	2466.0	2459.9	2464.5	2456.8	2444.5	2458.4	2455.3	2443.0	2438.4
5°	2446.1	2464.5	2452.2	2464.5	2452.2	2473.7	2467.6	2444.5	2472.2	2446.1	2455.3
7.5°	2441.4	2447.6	2450.7	2444.5	2439.9	2466.0	2452.2	2441.4	2426.1	2421.5	2429.1
10°	2430.7	2446.1	2423.0	2453.7	2459.9	2441.4	2441.4	2421.5	2409.2	2401.5	2427.6
12.5°	2458.4	2432.2	2429.1	2444.5	2449.1	2456.8	2435.3	2424.5	2401.5	2404.6	2399.9
15°	2426.1	2436.8	2438.4	2441.4	2446.1	2464.5	2444.5	2421.5	2412.2	2380.0	2383.0
17.5°	2438.4	2427.6	2438.4	2473.7	2467.6	2481.4	2459.9	2424.5	2403.0	2384.6	2409.2
20°	2459.9	2455.3	2459.9	2502.9	2510.6	2522.9	2504.5	2472.2	2430.7	2409.2	2421.5
22.5°	2483.0	2479.9	2483.0	2524.5	2569.1	2584.4	2566.0	2490.6	2469.1	2429.1	2415.3
25°	2524.5	2527.5	2559.8	2606.0	2635.2	2664.4	2630.6	2576.7	2507.6	2483.0	2453.7
27.5°	2616.7	2624.4	2642.9	2710.5	2761.2	2787.4	2739.7	2665.9	2622.9	2572.1	2564.4
30°	2730.5	2730.5	2762.8	2821.2	2890.4	2930.4	2871.9	2784.3	2732.0	2704.4	2687.4
32.5°	2881.2	2864.2	2876.5	2979.6	3087.2	3121.0	3042.6	2935.0	2851.9	2815.0	2802.7
35°	3010.3	3021.1	3048.7	3159.4	3279.4	3357.8	3234.8	3094.9	3010.3	2976.5	2970.3
37.5°	3177.9	3196.3	3210.2	3362.4	3506.9	3536.1	3417.7	3305.5	3202.5	3174.8	3159.4
40°	3414.6	3402.3	3407.0	3519.2	3649.9	3668.3	3551.5	3471.5	3387.0	3370.1	3370.1
42.5°	3609.9	3596.1	3611.4	3652.9	3752.9	3739.0	3674.5	3616.1	3580.7	3562.2	3580.7
45°	3728.3	3725.2	3752.9	3783.6	3854.4	3808.2	3757.5	3766.7	3732.9	3702.1	3700.6
47.5°	3857.4	3837.4	3871.3	3917.4	3863.6	3842.1	3839.0	3859.0	3848.2	3794.4	3777.5
50°	3920.5	3912.8	3966.6	4020.4	3991.2	3942.0	3952.7	3985.0	3846.7	3774.4	3732.9
52.5°	4089.6	4091.1	4194.1	4223.3	4211.0	4138.8	4161.8	4074.2	3911.2	3809.8	3814.4
55°	4355.6	4344.8	4460.1	4546.2	4560.0	4467.8	4357.1	4234.1	4029.6	3926.6	3895.9
57°	4209.5	4234.1	4361.7	4616.9	4746.1	4636.9	4395.5	4171.1	3898.9	3774.4	3719.1
57.5°	4014.2	4054.2	4275.6	4532.4	4667.7	4658.4	4347.9	4054.2	3811.3	3617.6	3622.2
60°	2941.1	2948.8	3148.7	3556.1	3978.9	3988.1	3609.9	3220.9	2950.3	2739.7	2768.9
62.5°	1551.3	1586.6	1666.6	1994.1	2360.0	2449.1	2220.1	2020.2	1786.5	1626.6	1642.0
65°	821.0	816.4	854.8	947.1	1126.9	1173.1	1142.3	984.0	902.5	876.3	877.9
67.5°	667.2	674.9	670.3	674.9	687.2	707.2	702.6	708.8	713.4	721.1	719.5
70°	565.8	565.8	568.9	570.4	570.4	579.6	590.4	610.4	611.9	619.6	622.7
72.5°	445.9	442.8	447.4	458.2	459.7	467.4	482.8	495.1	499.7	499.7	490.4
75°	302.9	305.9	312.1	321.3	330.5	344.4	356.7	364.4	367.4	362.8	358.2
77.5°	170.7	173.7	178.3	192.2	202.9	215.2	229.1	236.8	244.5	246.0	236.8
80°	101.5	101.5	109.2	119.9	132.2	144.5	156.8	166.0	169.1	169.1	164.5
82.5°	61.5	63.0	69.2	79.9	90.7	98.4	109.2	116.8	123.0	121.5	118.4
85°	32.3	32.3	38.4	47.7	55.3	63.0	63.0	58.4	55.3	47.7	44.6
87.5°	10.8	9.2	12.3	12.3	10.8	12.3	12.3	13.8	13.8	13.8	13.8
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)