

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: P527550

Luminaire Tested: **GALN-SA2C-750-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-750-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11994 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

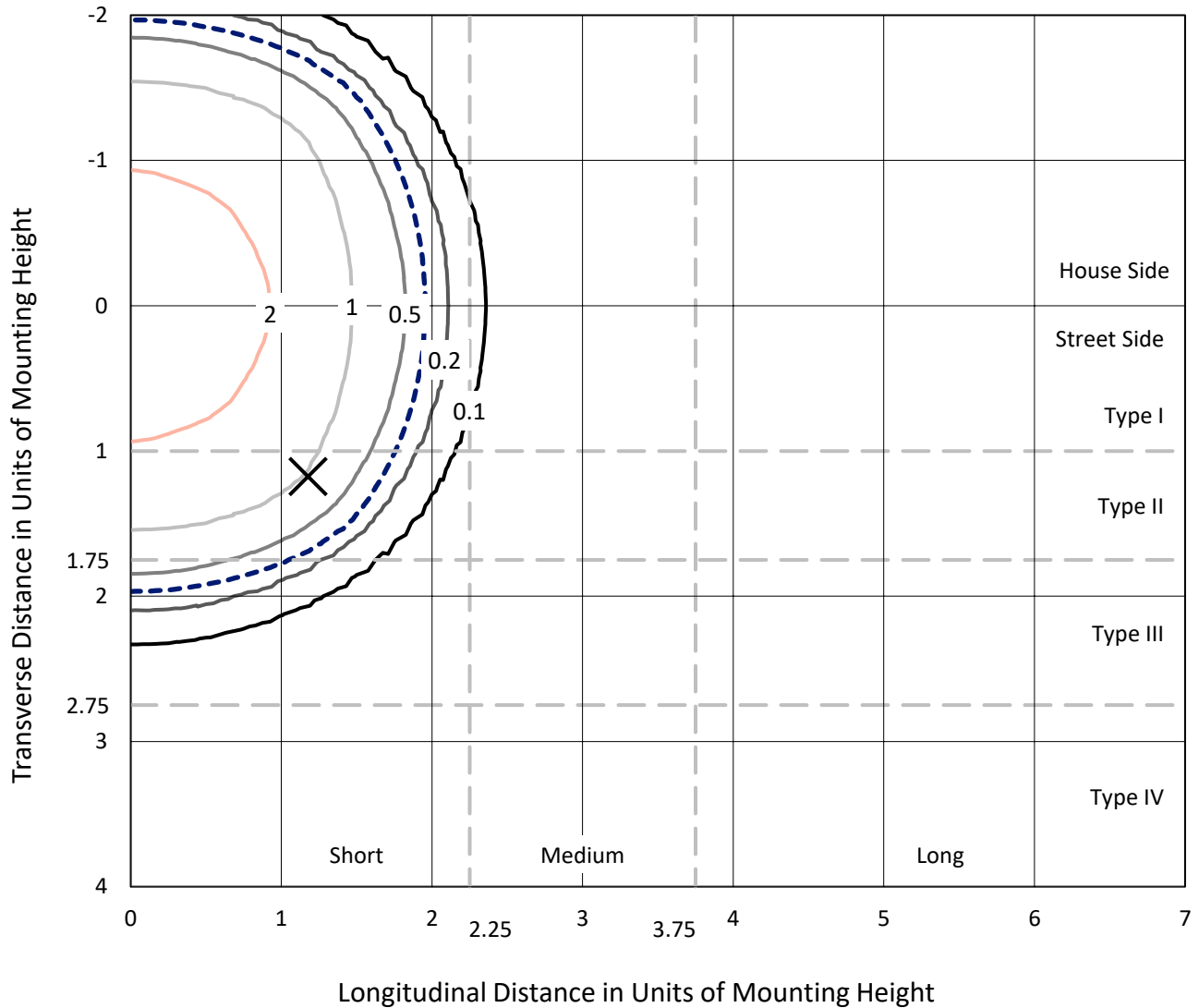
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

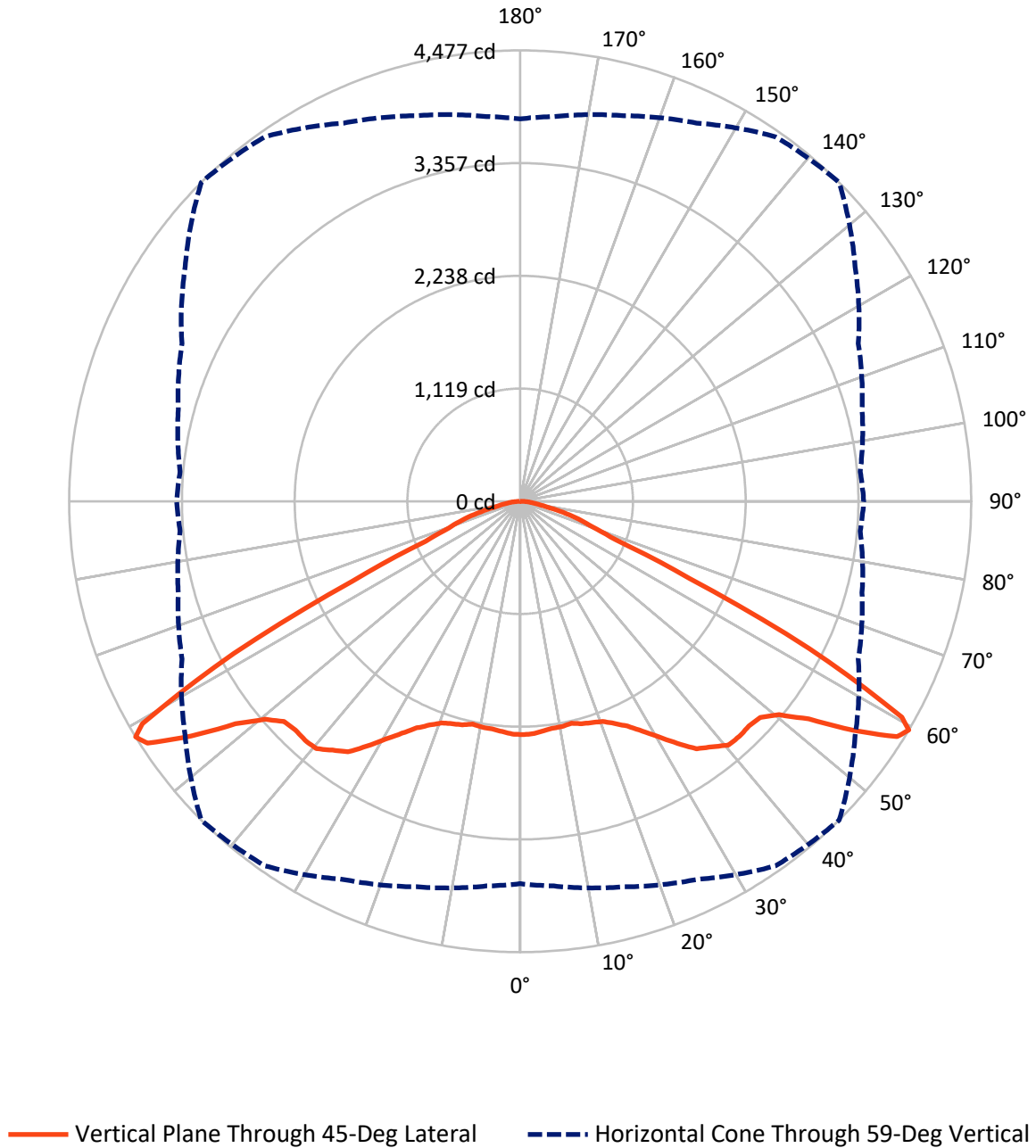
✕ Max cd
 - - - 1/2 Max cd



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	5997.0	0.0	5997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5997.0	0.0	5997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11994.0	0.0	11994.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.4	1.8
10°-20°	649.4	5.4
20°-30°	1134.0	9.5
30°-40°	1811.2	15.1
40°-50°	2467.2	20.6
50°-60°	3336.3	27.8
60°-70°	1829.6	15.3
70°-80°	468.1	3.9
80°-90°	79.8	0.7
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°	11994.0	100.0
0°-180°	11994.0	100.0

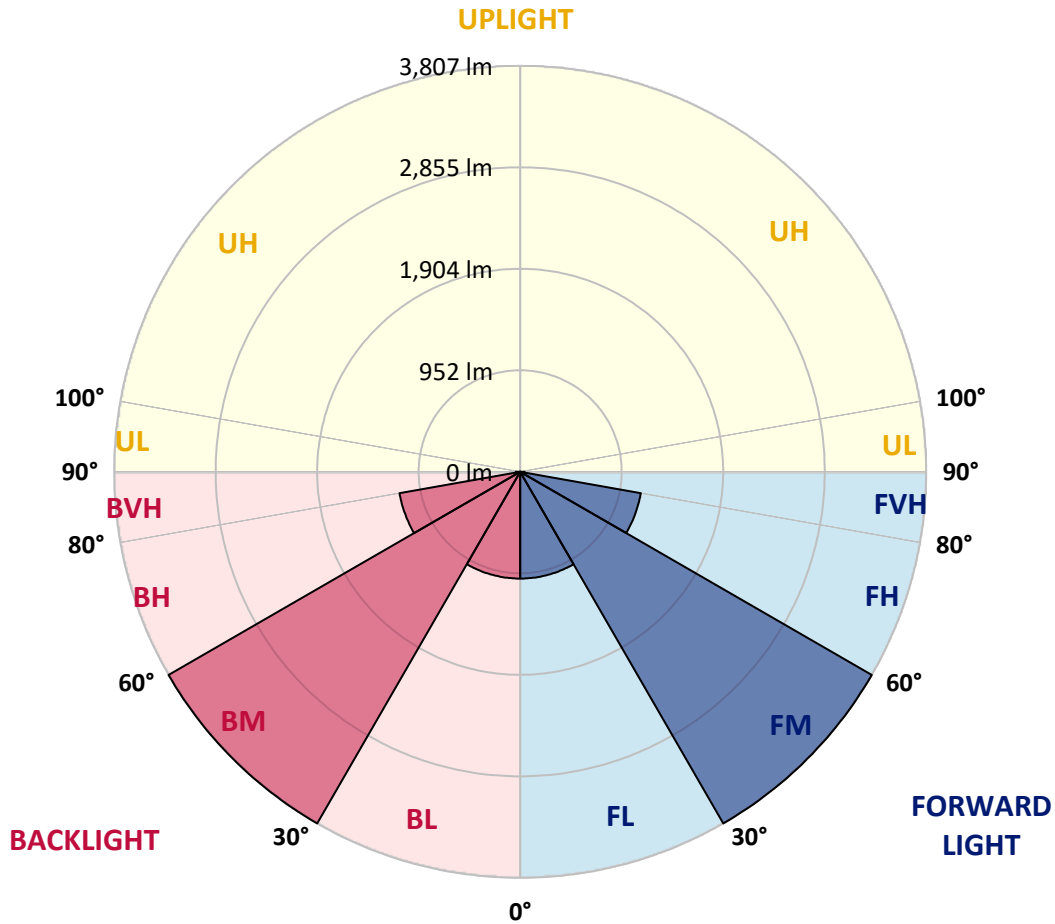


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.9	8.3			
FM (30°-60°)	3807.3	31.7			
FH (60°-80°)	1148.8	9.6			G1/1800
FVH (80°-90°)	39.9	0.3			G1/100
BL (0°-30°)	1000.9	8.3	B3/2500		
BM (30°-60°)	3807.3	31.7	B3/5000		
BH (60°-80°)	1148.8	9.6	B3/2500		G1/1800
BVH (80°-90°)	39.9	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°	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7	2316.7
2.5°	2302.8	2319.7	2307.4	2318.2	2316.7	2312.1	2304.4	2299.8	2293.6	2302.8	2287.5
5°	2293.6	2307.4	2321.3	2302.8	2302.8	2293.6	2289.0	2279.8	2279.8	2278.2	2276.7
7.5°	2309.0	2295.1	2289.0	2292.1	2295.1	2275.2	2289.0	2270.5	2255.2	2265.9	2278.2
10°	2295.1	2301.3	2278.2	2289.0	2272.1	2275.2	2265.9	2278.2	2261.3	2261.3	2261.3
12.5°	2309.0	2292.1	2299.8	2292.1	2287.5	2261.3	2273.6	2259.8	2258.3	2273.6	2259.8
15°	2336.7	2309.0	2302.8	2287.5	2292.1	2292.1	2279.8	2281.3	2264.4	2273.6	2276.7
17.5°	2327.4	2312.1	2307.4	2289.0	2304.4	2309.0	2285.9	2270.5	2281.3	2279.8	2278.2
20°	2335.1	2341.3	2336.7	2339.7	2345.9	2333.6	2312.1	2290.5	2276.7	2296.7	2295.1
22.5°	2384.3	2378.2	2375.1	2372.0	2382.8	2395.1	2365.9	2332.0	2332.0	2345.9	2352.0
25°	2424.3	2422.7	2421.2	2435.0	2471.9	2471.9	2435.0	2392.0	2381.2	2390.5	2382.8
27.5°	2482.7	2499.6	2493.5	2518.0	2571.9	2584.2	2535.0	2484.2	2455.0	2444.3	2458.1
30°	2616.4	2596.5	2601.1	2627.2	2674.9	2714.8	2639.5	2585.7	2545.7	2544.2	2550.3
32.5°	2705.6	2721.0	2734.8	2759.4	2834.7	2865.5	2774.8	2687.1	2662.6	2648.7	2653.3
35°	2883.9	2870.1	2867.0	2891.6	2966.9	3017.7	2903.9	2827.0	2794.8	2825.5	2825.5
37.5°	3053.0	3014.6	2985.4	3017.7	3086.8	3093.0	2996.1	2954.6	2937.7	2973.1	2971.5
40°	3133.0	3129.9	3062.2	3080.7	3172.9	3182.2	3091.5	3042.3	3039.2	3085.3	3131.4
42.5°	3216.0	3186.8	3119.1	3131.4	3188.3	3191.4	3105.3	3091.5	3125.3	3169.9	3172.9
45°	3229.8	3205.2	3162.2	3131.4	3172.9	3182.2	3131.4	3140.6	3143.7	3197.5	3197.5
47.5°	3257.5	3254.4	3229.8	3206.7	3214.4	3206.7	3174.5	3188.3	3234.4	3260.6	3248.3
50°	3334.3	3302.1	3326.7	3306.7	3308.2	3329.7	3300.5	3314.4	3305.1	3282.1	3266.7
52.5°	3503.4	3488.1	3509.6	3523.4	3538.8	3588.0	3554.2	3480.4	3411.2	3349.7	3348.2
55°	3750.9	3761.7	3803.2	3873.9	3933.9	4012.3	3849.3	3672.5	3561.9	3465.0	3471.2
57.5°	3984.6	3976.9	4033.8	4195.2	4370.5	4410.4	4090.7	3838.6	3658.7	3597.2	3571.1
59°	3797.1	3834.0	3963.1	4142.9	4418.1	4476.5	4058.4	3703.3	3512.7	3388.1	3409.7
60°	3501.9	3515.7	3631.0	3881.6	4253.6	4353.6	3841.6	3494.2	3240.6	3168.3	3200.6
62.5°	2475.0	2464.2	2547.3	2751.7	3085.3	3220.6	2856.2	2611.8	2451.9	2372.0	2390.5
65°	1315.9	1365.1	1398.9	1526.5	1703.3	1846.3	1695.6	1589.5	1500.4	1434.3	1432.7
67.5°	888.5	882.4	890.1	919.3	979.2	1019.2	1016.1	962.3	954.6	942.3	956.2
70°	748.7	745.6	731.7	731.7	744.0	753.3	764.0	770.2	782.5	797.8	796.3
72.5°	607.2	599.5	590.3	585.7	601.1	605.7	619.5	625.7	636.4	634.9	648.7
75°	401.2	401.2	412.0	424.3	428.9	438.1	439.7	458.1	458.1	461.2	448.9
77.5°	224.4	218.3	226.0	238.3	249.0	265.9	282.9	296.7	304.4	301.3	301.3
80°	130.7	130.7	138.4	152.2	166.0	181.4	193.7	204.5	212.1	209.1	202.9
82.5°	81.5	81.5	89.2	103.0	113.8	123.0	139.9	153.7	163.0	159.9	152.2
85°	41.5	41.5	50.7	60.0	73.8	79.9	78.4	72.3	70.7	63.0	63.0
87.5°	10.8	10.8	15.4	16.9	13.8	15.4	15.4	15.4	15.4	15.4	16.9
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)