

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: P527442

Luminaire Tested: **GALN-SA2C-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527442
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-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 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: 10436 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

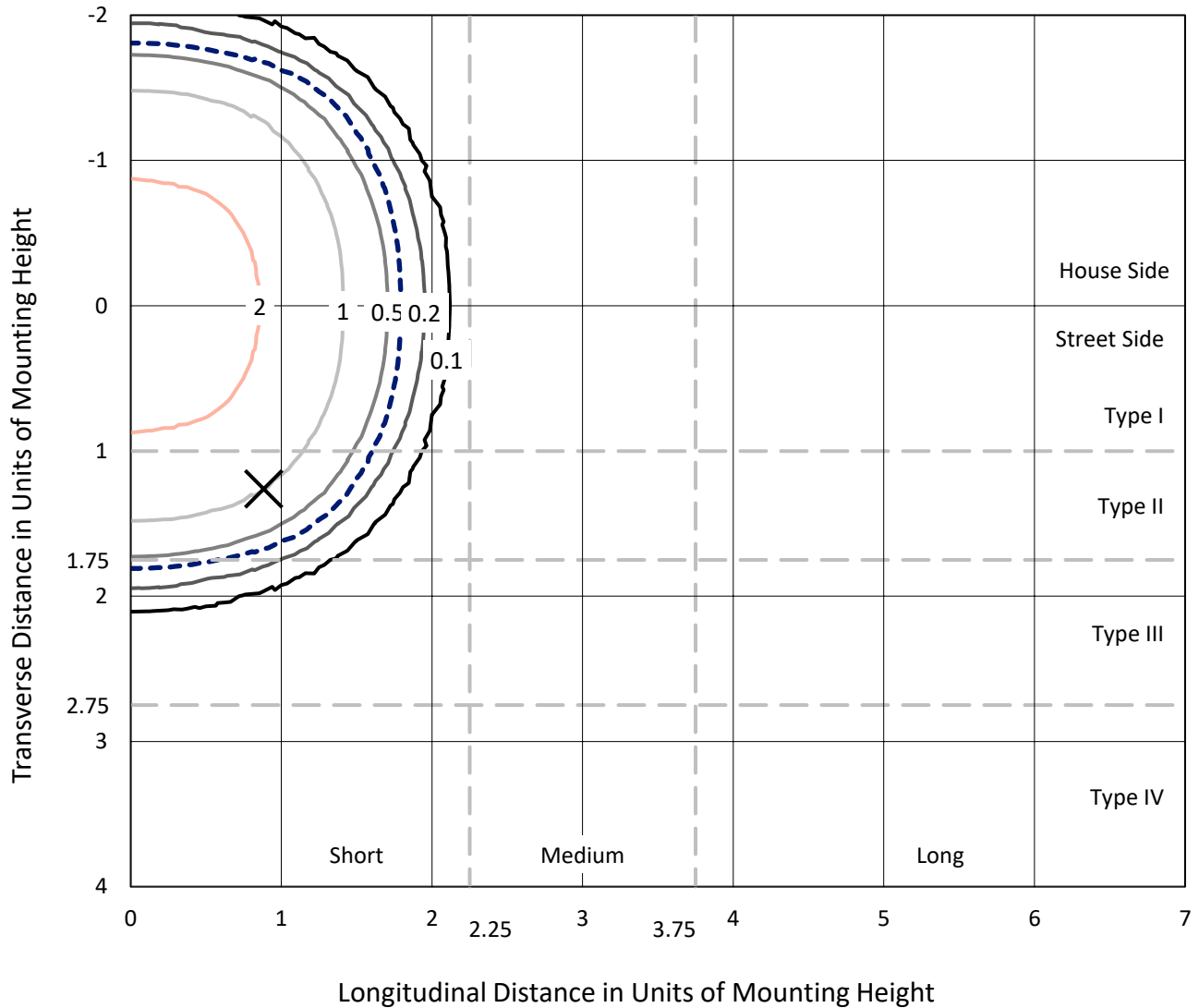
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

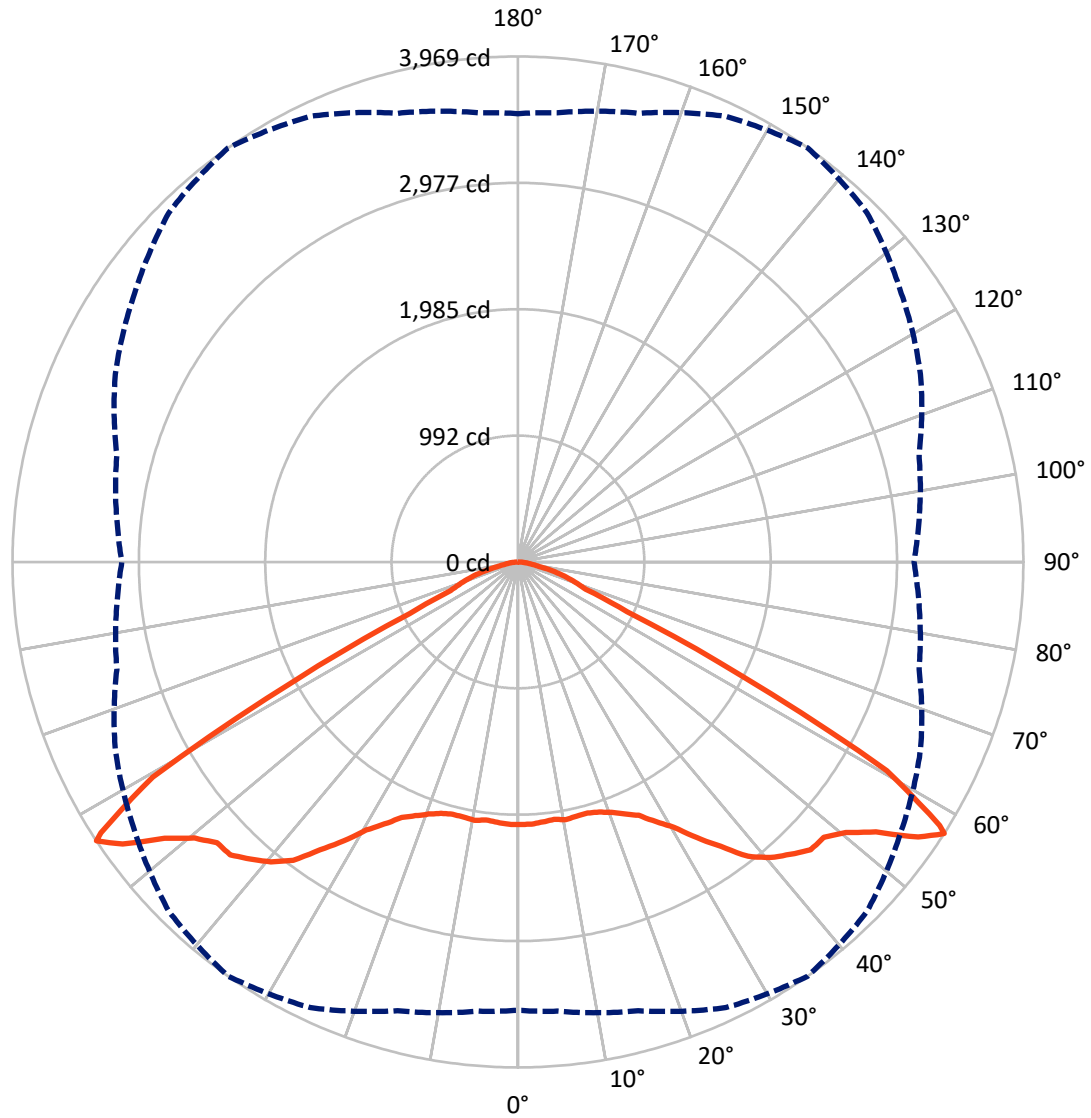
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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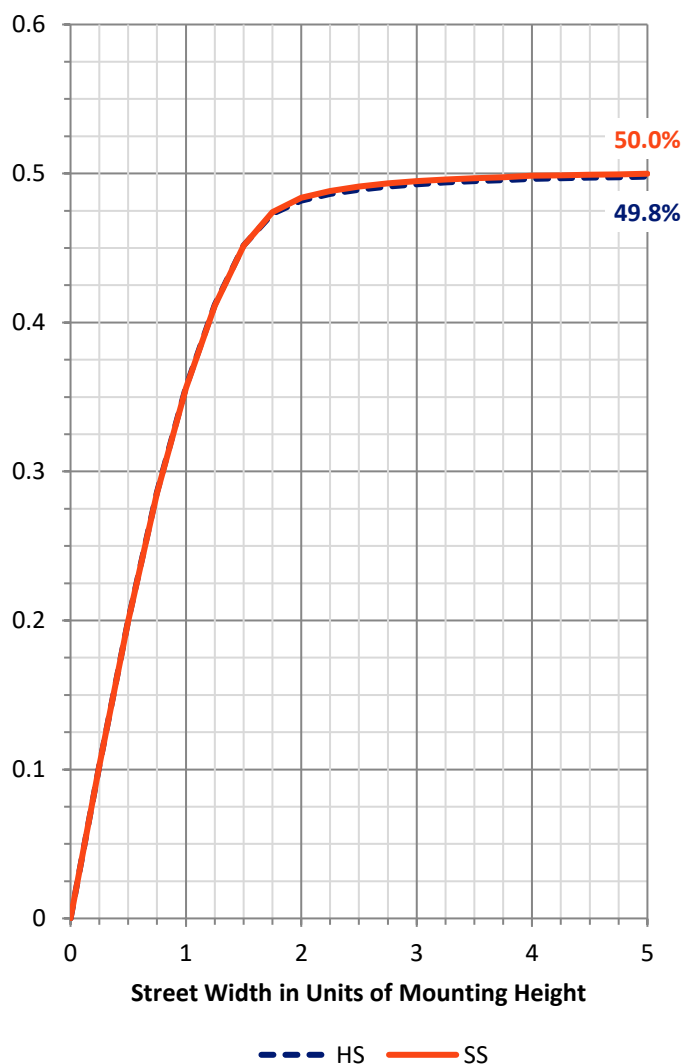
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5218.0	0.0	5218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5218.0	0.0	5218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10436.0	0.0	10436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	1.9
10°-20°	578.7	5.5
20°-30°	1010.7	9.7
30°-40°	1656.0	15.9
40°-50°	2428.2	23.3
50°-60°	3058.5	29.3
60°-70°	1150.3	11.0
70°-80°	305.8	2.9
80°-90°	52.5	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°	10436.0	100.0
0°-180°	10436.0	100.0

Coefficient of Utilization

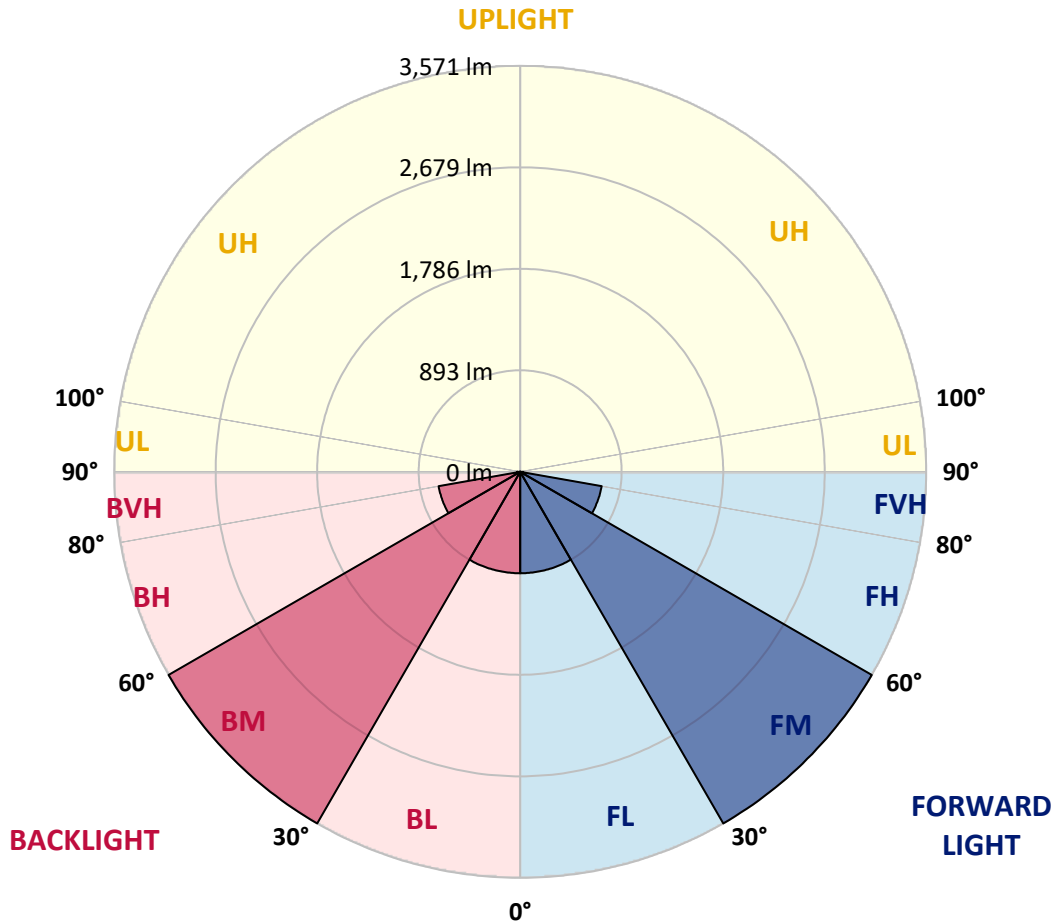


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	892.4	8.6			
FM (30°-60°)	3571.3	34.2			
FH (60°-80°)	728.0	7.0			G1/1800
FVH (80°-90°)	26.2	0.3			G1/100
BL (0°-30°)	892.4	8.6	B2/1000		
BM (30°-60°)	3571.3	34.2	B3/5000		
BH (60°-80°)	728.0	7.0	B2/1000		G1/1800
BVH (80°-90°)	26.2	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°	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0	2061.0
2.5°	2050.7	2071.3	2062.3	2057.2	2061.0	2054.6	2044.3	2055.9	2053.3	2043.0	2039.2
5°	2045.6	2061.0	2050.7	2061.0	2050.7	2068.7	2063.6	2044.3	2067.5	2045.6	2053.3
7.5°	2041.7	2046.9	2049.5	2044.3	2040.5	2062.3	2050.7	2041.7	2028.9	2025.0	2031.5
10°	2032.7	2045.6	2026.3	2052.0	2057.2	2041.7	2041.7	2025.0	2014.7	2008.3	2030.2
12.5°	2055.9	2034.0	2031.5	2044.3	2048.2	2054.6	2036.6	2027.6	2008.3	2010.9	2007.0
15°	2028.9	2037.9	2039.2	2041.7	2045.6	2061.0	2044.3	2025.0	2017.3	1990.3	1992.9
17.5°	2039.2	2030.2	2039.2	2068.7	2063.6	2075.2	2057.2	2027.6	2009.6	1994.2	2014.7
20°	2057.2	2053.3	2057.2	2093.2	2099.6	2109.9	2094.5	2067.5	2032.7	2014.7	2025.0
22.5°	2076.5	2073.9	2076.5	2111.2	2148.5	2161.3	2145.9	2082.9	2064.9	2031.5	2019.9
25°	2111.2	2113.7	2140.7	2179.3	2203.7	2228.2	2199.9	2154.9	2097.0	2076.5	2052.0
27.5°	2188.3	2194.7	2210.2	2266.8	2309.2	2331.0	2291.2	2229.5	2193.5	2151.0	2144.6
30°	2283.5	2283.5	2310.5	2359.3	2417.2	2450.6	2401.8	2328.5	2284.8	2261.6	2247.5
32.5°	2409.5	2395.3	2405.6	2491.8	2581.8	2610.0	2544.5	2454.5	2385.0	2354.2	2343.9
35°	2517.5	2526.5	2549.6	2642.2	2742.5	2808.0	2705.2	2588.2	2517.5	2489.2	2484.0
37.5°	2657.6	2673.0	2684.6	2811.9	2932.8	2957.2	2858.2	2764.3	2678.2	2655.0	2642.2
40°	2855.6	2845.3	2849.2	2943.0	3052.3	3067.8	2970.0	2903.2	2832.5	2818.3	2818.3
42.5°	3018.9	3007.3	3020.2	3054.9	3138.5	3126.9	3072.9	3024.0	2994.5	2979.0	2994.5
45°	3117.9	3115.3	3138.5	3164.2	3223.3	3184.8	3142.3	3150.1	3121.8	3096.0	3094.8
47.5°	3225.9	3209.2	3237.5	3276.1	3231.1	3213.1	3210.5	3227.2	3218.2	3173.2	3159.1
50°	3278.6	3272.2	3317.2	3362.2	3337.8	3296.6	3305.6	3332.6	3216.9	3156.5	3121.8
52.5°	3420.1	3421.3	3507.5	3531.9	3521.6	3461.2	3480.5	3407.2	3270.9	3186.1	3189.9
55°	3642.5	3633.5	3729.9	3801.9	3813.5	3736.3	3643.8	3540.9	3369.9	3283.8	3258.1
57°	3520.3	3540.9	3647.6	3861.1	3969.1	3877.8	3675.9	3488.2	3260.6	3156.5	3110.2
57.5°	3357.1	3390.5	3575.6	3790.3	3903.5	3895.8	3636.1	3390.5	3187.3	3025.3	3029.2
60°	2459.6	2466.0	2633.2	2973.9	3327.5	3335.2	3018.9	2693.6	2467.3	2291.2	2315.6
62.5°	1297.3	1326.9	1393.7	1667.6	1973.6	2048.2	1856.6	1689.5	1494.0	1360.3	1373.2
65°	686.6	682.7	714.9	792.0	942.4	981.0	955.3	822.9	754.7	732.9	734.2
67.5°	558.0	564.4	560.6	564.4	574.7	591.4	587.6	592.7	596.6	603.0	601.7
70°	473.2	473.2	475.7	477.0	477.0	484.7	493.7	510.4	511.7	518.2	520.7
72.5°	372.9	370.3	374.1	383.1	384.4	390.9	403.7	414.0	417.9	417.9	410.1
75°	253.3	255.9	261.0	268.7	276.4	288.0	298.3	304.7	307.3	303.4	299.6
77.5°	142.7	145.3	149.1	160.7	169.7	180.0	191.6	198.0	204.4	205.7	198.0
80°	84.9	84.9	91.3	100.3	110.6	120.9	131.1	138.9	141.4	141.4	137.6
82.5°	51.4	52.7	57.9	66.9	75.9	82.3	91.3	97.7	102.9	101.6	99.0
85°	27.0	27.0	32.1	39.9	46.3	52.7	52.7	48.9	46.3	39.9	37.3
87.5°	9.0	7.7	10.3	10.3	9.0	10.3	10.3	11.6	11.6	11.6	11.6
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)