

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: P527502

Luminaire Tested: **GALN-SA2C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11540 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

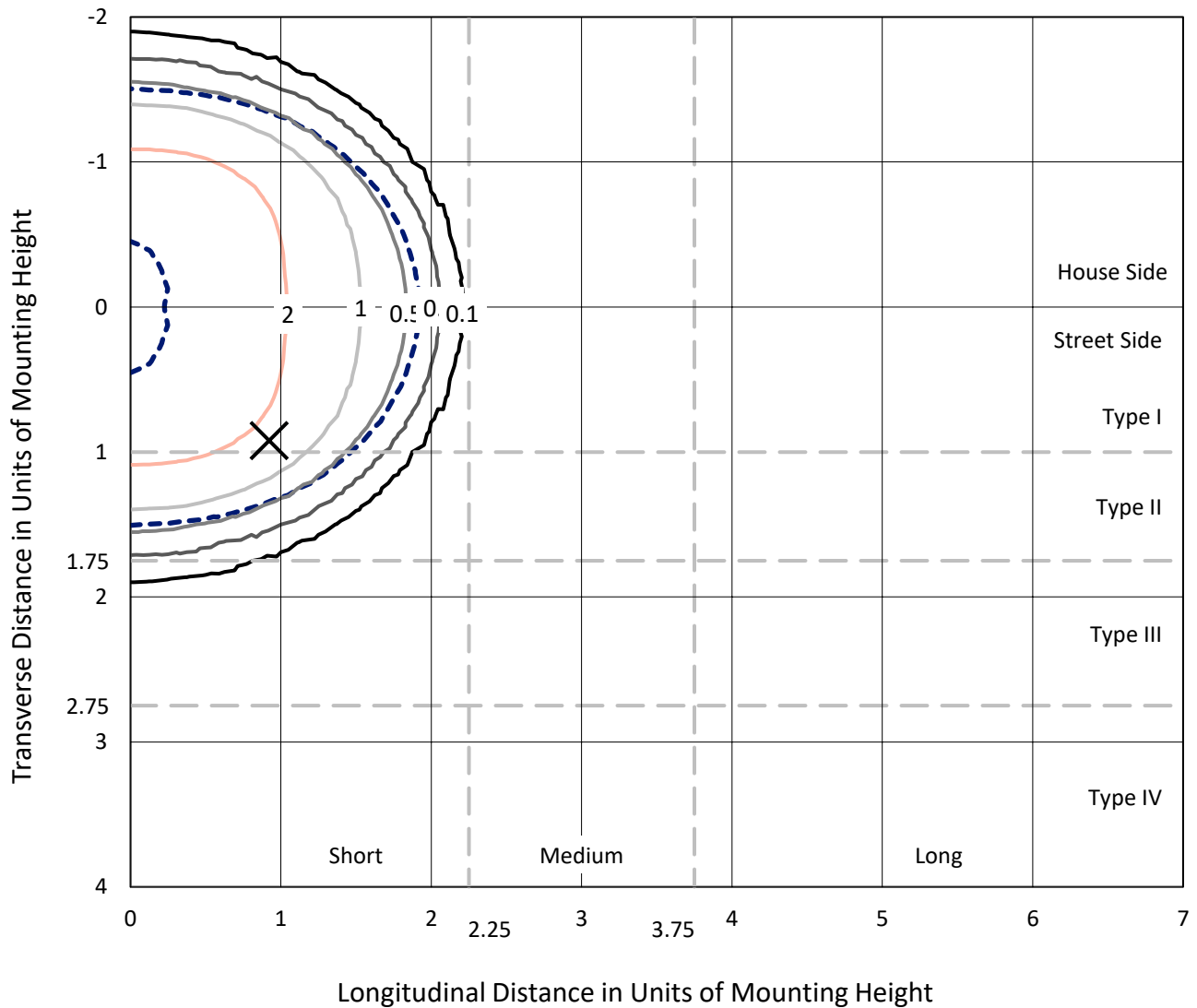
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

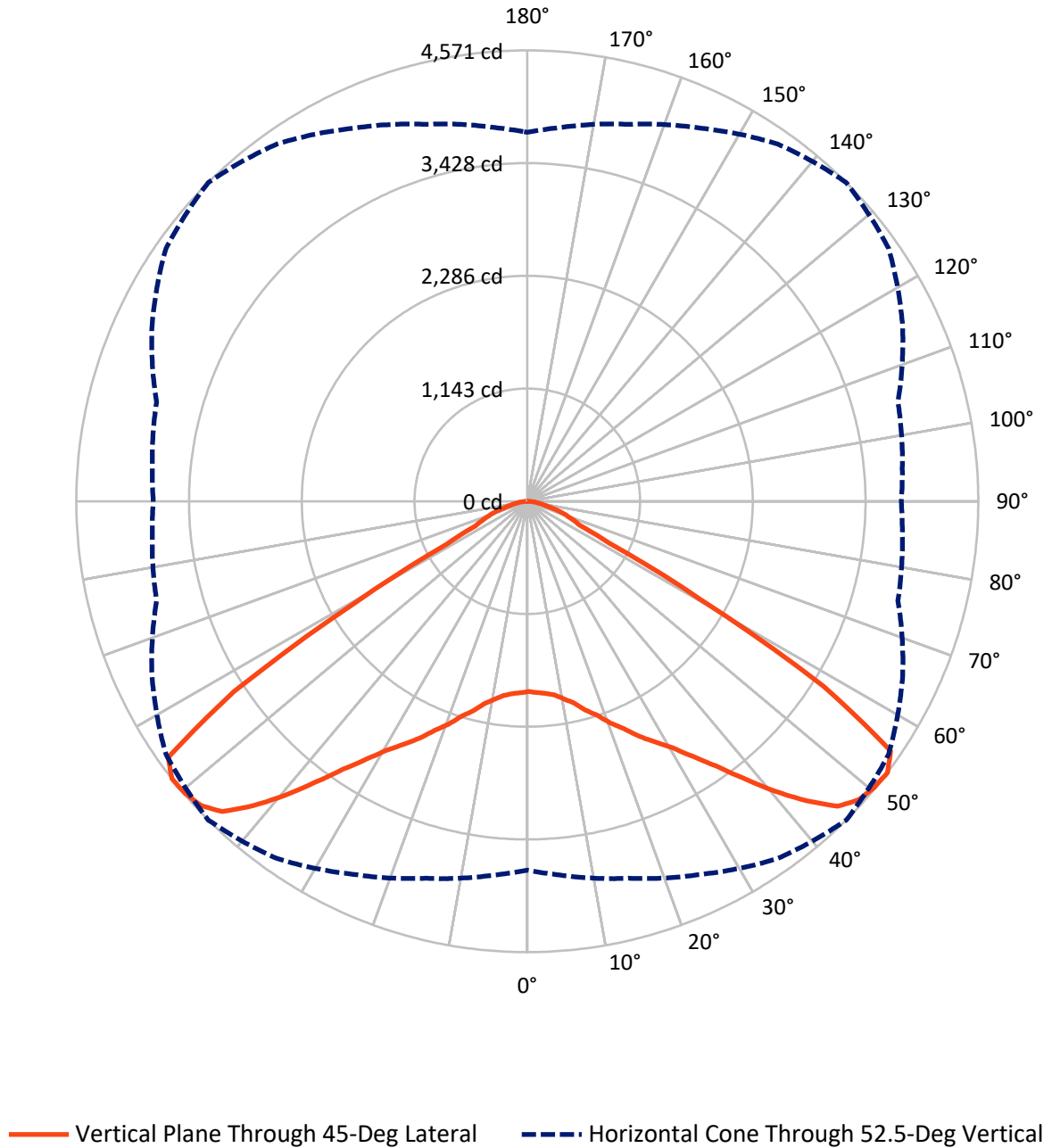
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	5770.0	0.0	5770.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5770.0	0.0	5770.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11540.0	0.0	11540.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.5	1.6
10°-20°	622.8	5.4
20°-30°	1185.7	10.3
30°-40°	2035.9	17.6
40°-50°	3129.2	27.1
50°-60°	3177.6	27.5
60°-70°	885.6	7.7
70°-80°	261.2	2.3
80°-90°	52.6	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°	11540.0	100.0
0°-180°	11540.0	100.0



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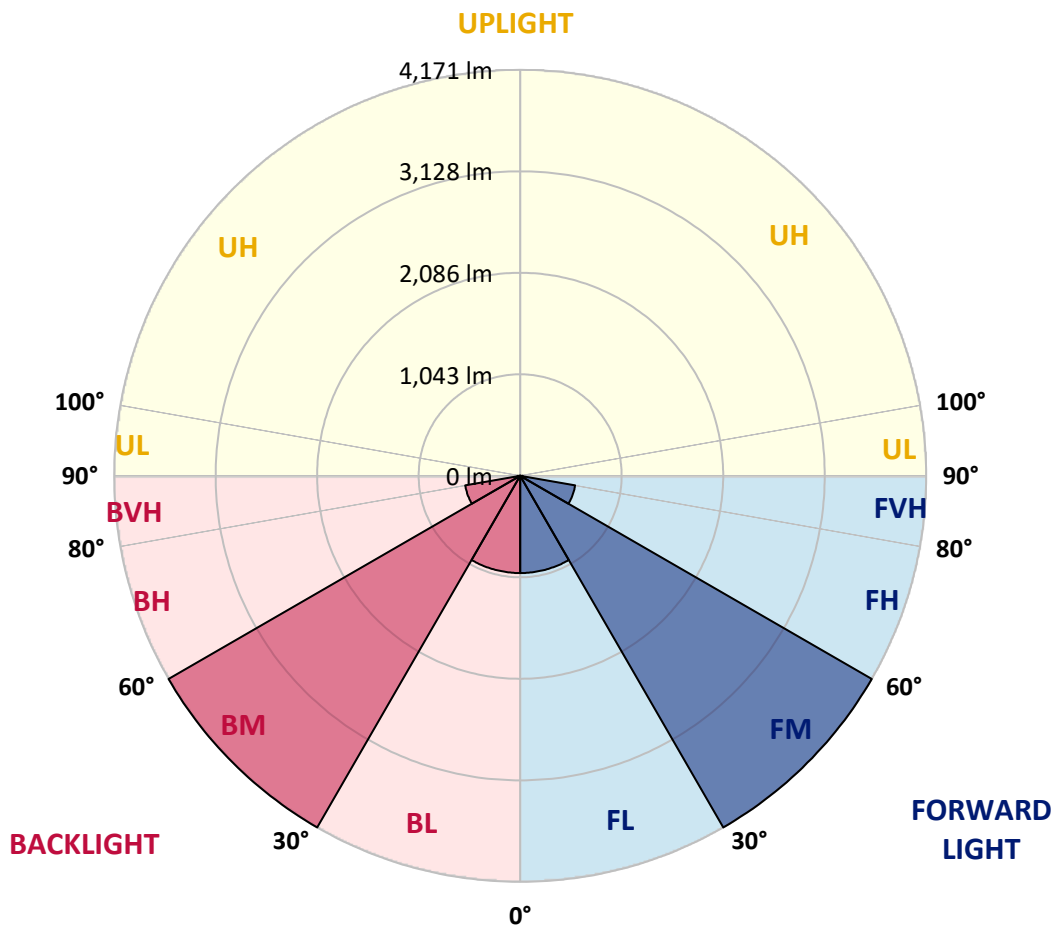
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.0	8.7			
FM (30°-60°)	4171.3	36.1			
FH (60°-80°)	573.4	5.0			G0/660
FVH (80°-90°)	26.3	0.2			G1/100
BL (0°-30°)	999.0	8.7	B2/1000		
BM (30°-60°)	4171.3	36.1	B3/5000		
BH (60°-80°)	573.4	5.0	B2/1000		G0/660
BVH (80°-90°)	26.3	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°	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1	1929.1
2.5°	1933.4	1913.3	1920.5	1924.8	1943.4	1942.0	1937.7	1943.4	1949.1	1950.5	1947.7
5°	1931.9	1917.6	1923.3	1927.6	1946.2	1956.3	1953.4	1977.8	1994.9	1990.6	2012.1
7.5°	1920.5	1929.1	1921.9	1943.4	1959.1	1983.5	2009.3	2032.2	2053.7	2078.0	2082.3
10°	1946.2	1946.2	1959.1	1976.3	2017.9	2036.5	2073.7	2106.6	2148.2	2176.8	2165.4
12.5°	1973.5	1977.8	1977.8	2022.2	2056.5	2098.1	2132.4	2176.8	2235.5	2269.9	2287.1
15°	2000.7	2003.5	2017.9	2078.0	2129.6	2195.4	2226.9	2267.0	2300.0	2364.4	2365.9
17.5°	2025.0	2040.8	2083.7	2151.0	2215.5	2278.5	2328.6	2370.2	2398.8	2424.6	2418.8
20°	2116.7	2128.1	2172.5	2239.8	2335.8	2397.4	2414.6	2421.7	2440.3	2491.9	2476.1
22.5°	2205.5	2209.8	2251.3	2354.4	2421.7	2503.3	2522.0	2517.7	2524.8	2537.7	2560.6
25°	2297.1	2304.3	2361.6	2448.9	2543.4	2640.8	2656.6	2623.6	2613.6	2627.9	2629.4
27.5°	2414.6	2416.0	2489.0	2564.9	2672.3	2764.0	2788.3	2762.6	2715.3	2726.8	2745.4
30°	2563.5	2553.5	2626.5	2735.3	2848.5	2900.0	2941.6	2928.7	2877.1	2867.1	2851.3
32.5°	2735.3	2738.2	2804.1	2923.0	2997.4	3083.4	3127.7	3106.3	3073.3	3056.1	3066.2
35°	2977.4	2990.3	3034.7	3133.5	3253.8	3296.7	3366.9	3321.1	3235.2	3256.6	3275.3
37.5°	3176.4	3213.7	3296.7	3414.2	3485.8	3564.5	3590.3	3528.7	3465.7	3439.9	3501.5
40°	3481.5	3470.0	3561.7	3679.1	3785.1	3863.9	3830.9	3769.3	3613.2	3614.7	3631.9
42.5°	3743.6	3749.3	3819.5	3959.8	4104.5	4153.1	4048.6	3898.2	3724.9	3706.3	3743.6
45°	3964.1	3987.0	4027.1	4214.7	4356.5	4409.5	4216.2	4038.6	3806.6	3729.2	3790.8
47.5°	4042.9	4080.1	4167.5	4339.3	4479.7	4522.6	4368.0	4113.0	3882.5	3756.4	3789.4
50°	4054.3	4041.4	4184.6	4342.2	4465.3	4558.4	4422.4	4167.5	3863.9	3798.0	3788.0
52.5°	3740.7	3803.7	3956.9	4173.2	4422.4	4571.3	4471.1	4197.5	3889.6	3815.2	3790.8
55°	3027.5	2953.0	3232.3	3596.0	4054.3	4468.2	4453.9	4213.3	3905.4	3843.8	3810.9
57.5°	1689.9	1711.4	1868.9	2264.2	2855.6	3543.1	3959.8	4047.2	3898.2	3862.4	3879.6
60°	781.9	789.1	856.4	1041.1	1407.8	2009.3	2557.8	3114.9	3371.2	3422.8	3422.8
62.5°	582.9	580.0	597.2	630.1	707.5	923.7	1233.1	1675.6	2027.9	2274.2	2338.6
65°	527.0	525.6	534.2	545.6	551.4	581.4	650.2	786.2	900.8	966.7	955.2
67.5°	461.1	459.7	462.6	469.7	479.8	495.5	512.7	541.3	581.4	578.6	571.4
70°	372.4	372.4	376.6	382.4	393.8	412.5	432.5	452.5	486.9	494.1	492.6
72.5°	275.0	270.7	279.3	290.7	302.2	325.1	346.6	365.2	389.5	396.7	393.8
75°	174.7	177.6	183.3	196.2	216.2	232.0	254.9	270.7	286.4	292.2	293.6
77.5°	97.4	100.2	110.3	126.0	146.1	163.3	183.3	196.2	206.2	207.7	209.1
80°	58.7	60.1	70.2	84.5	101.7	120.3	136.1	148.9	157.5	153.2	151.8
82.5°	35.8	37.2	45.8	58.7	73.0	87.4	104.5	116.0	124.6	118.9	113.1
85°	18.6	20.0	27.2	35.8	47.3	54.4	54.4	48.7	47.3	44.4	43.0
87.5°	5.7	5.7	7.2	8.6	7.2	8.6	10.0	11.5	11.5	12.9	11.5
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)