

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: P527996

Luminaire Tested: **GALN-SA3A-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527996
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-SA3A-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 615mA 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: 11962 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

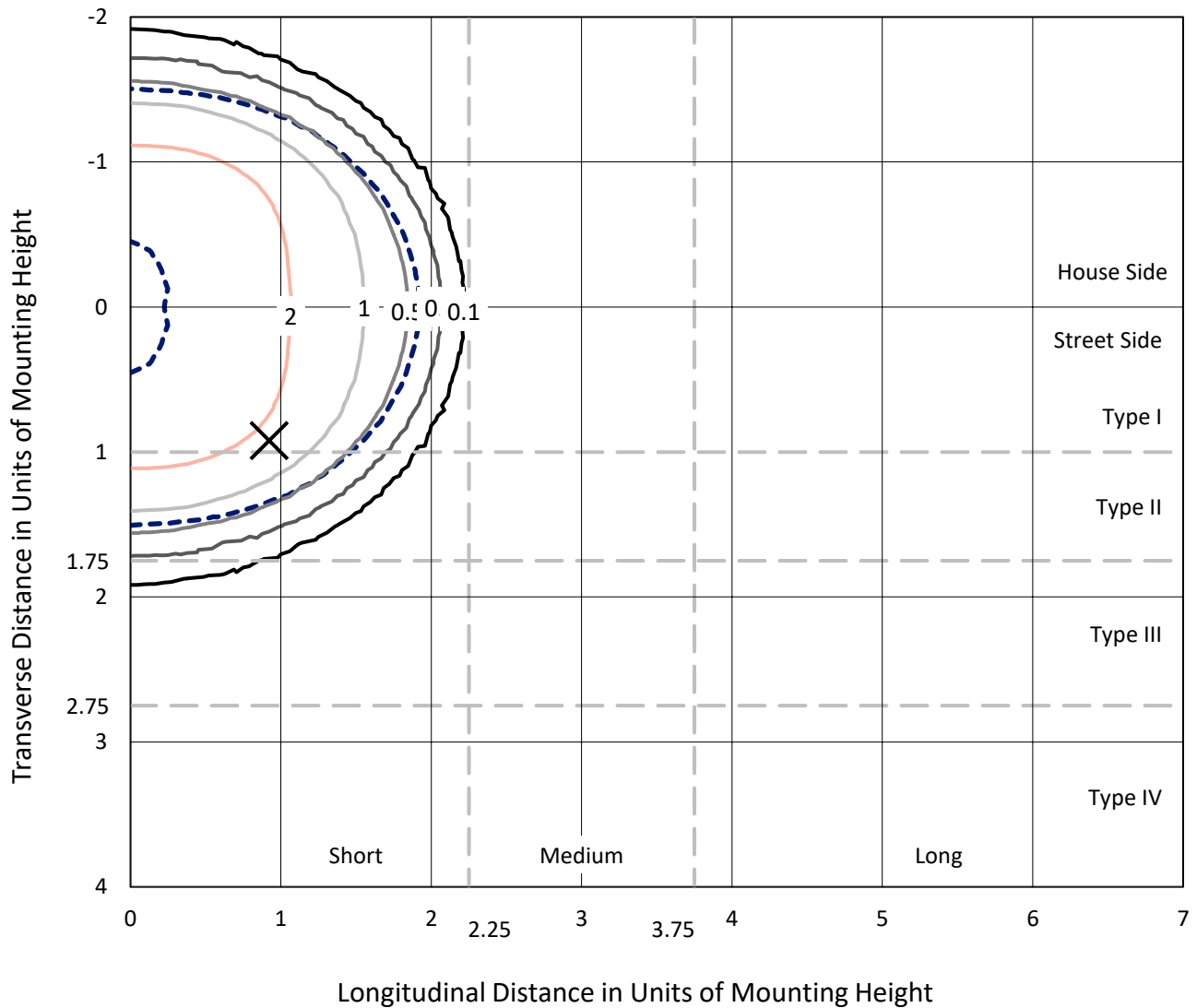
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

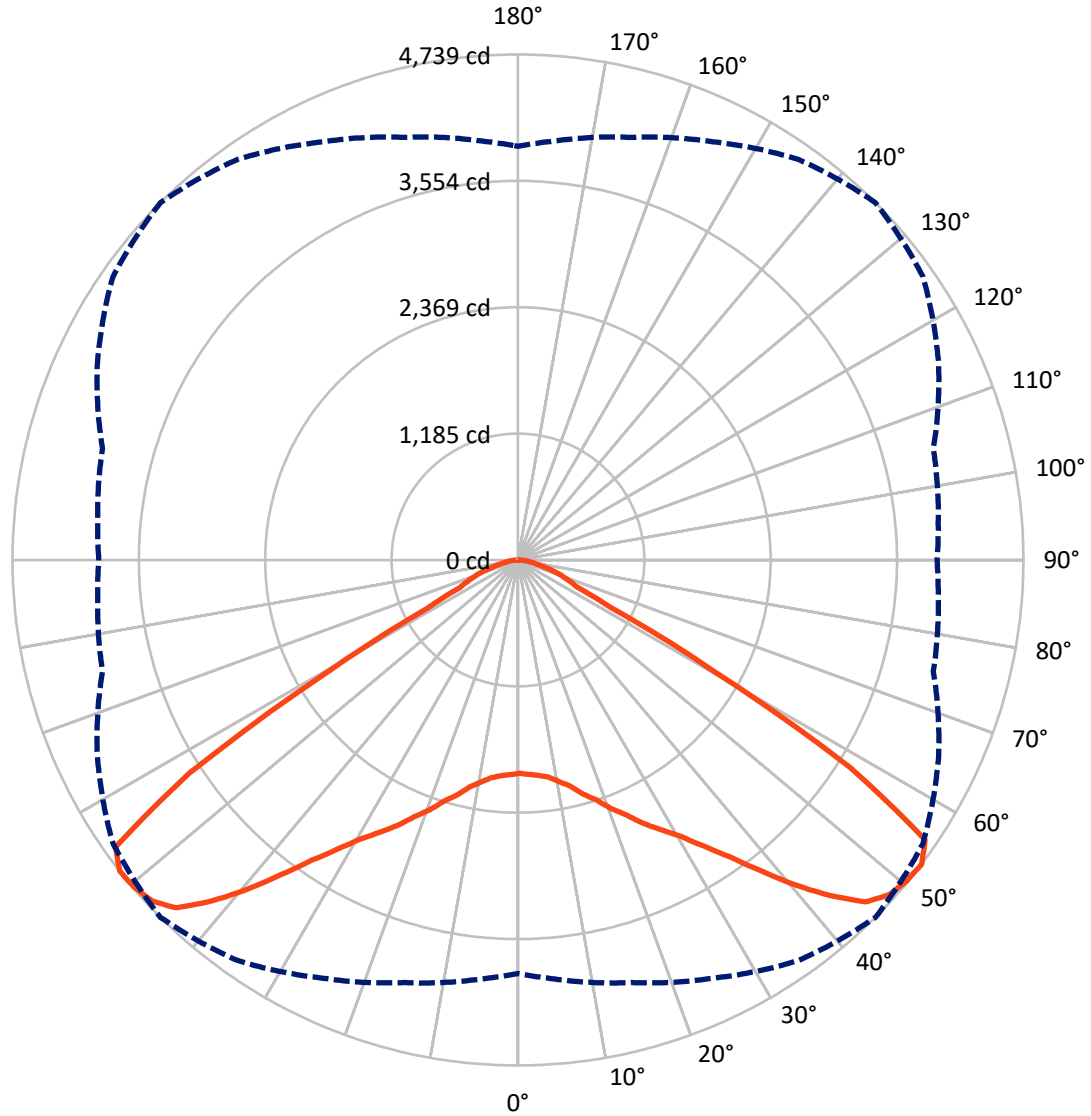
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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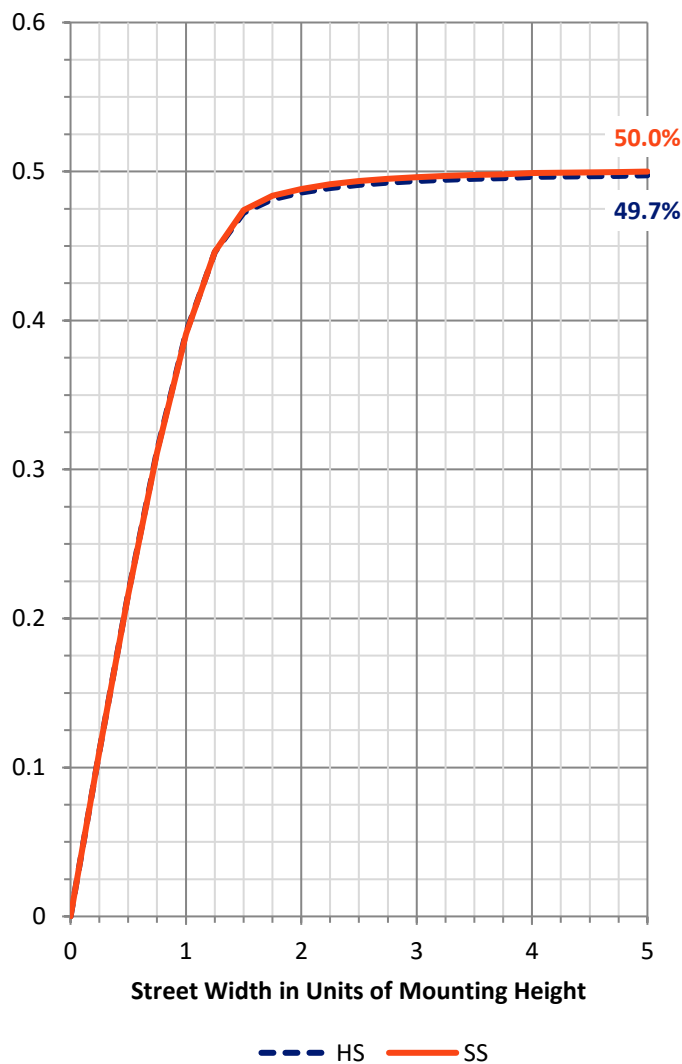
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5981.0	0.0	5981.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5981.0	0.0	5981.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11962.0	0.0	11962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	1.6
10°-20°	645.5	5.4
20°-30°	1229.0	10.3
30°-40°	2110.3	17.6
40°-50°	3243.6	27.1
50°-60°	3293.8	27.5
60°-70°	917.9	7.7
70°-80°	270.8	2.3
80°-90°	54.5	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°	11962.0	100.0
0°-180°	11962.0	100.0

Coefficient of Utilization

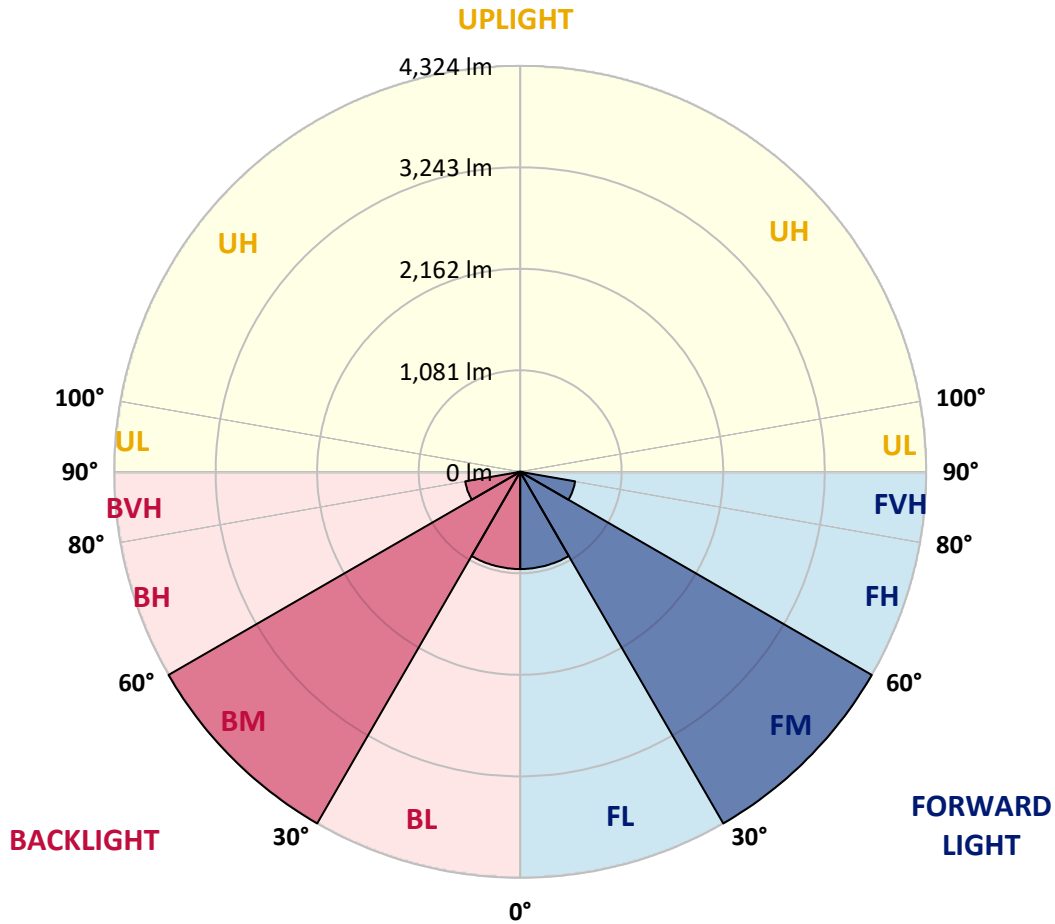


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1035.5	8.7			
FM (30°-60°)	4323.9	36.1			
FH (60°-80°)	594.4	5.0			G0/660
FVH (80°-90°)	27.3	0.2			G1/100
BL (0°-30°)	1035.5	8.7	B3/2500		
BM (30°-60°)	4323.9	36.1	B3/5000		
BH (60°-80°)	594.4	5.0	B2/1000		G0/660
BVH (80°-90°)	27.3	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°	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6	1999.6
2.5°	2004.1	1983.3	1990.7	1995.2	2014.5	2013.0	2008.5	2014.5	2020.4	2021.9	2018.9
5°	2002.6	1987.7	1993.7	1998.1	2017.4	2027.8	2024.8	2050.1	2067.9	2063.4	2085.7
7.5°	1990.7	1999.6	1992.2	2014.5	2030.8	2056.0	2082.7	2106.5	2128.8	2154.0	2158.4
10°	2017.4	2017.4	2030.8	2048.6	2091.6	2110.9	2149.5	2183.7	2226.7	2256.4	2244.5
12.5°	2045.6	2050.1	2050.1	2096.1	2131.7	2174.8	2210.4	2256.4	2317.3	2352.9	2370.7
15°	2073.8	2076.8	2091.6	2154.0	2207.4	2275.7	2308.4	2349.9	2384.1	2450.9	2452.4
17.5°	2099.1	2115.4	2159.9	2229.7	2296.5	2361.8	2413.8	2456.8	2486.5	2513.2	2507.3
20°	2194.1	2205.9	2252.0	2321.7	2421.2	2485.0	2502.8	2510.3	2529.6	2583.0	2566.7
22.5°	2286.1	2290.6	2333.6	2440.5	2510.3	2594.9	2614.2	2609.7	2617.2	2630.5	2654.3
25°	2381.1	2388.5	2447.9	2538.5	2636.5	2737.4	2753.7	2719.6	2709.2	2724.0	2725.5
27.5°	2502.8	2504.3	2580.0	2658.7	2770.1	2865.1	2890.3	2863.6	2814.6	2826.5	2845.8
30°	2657.2	2646.8	2722.6	2835.4	2952.6	3006.1	3049.1	3035.8	2982.3	2971.9	2955.6
32.5°	2835.4	2838.3	2906.6	3029.8	3107.0	3196.1	3242.1	3219.9	3185.7	3167.9	3178.3
35°	3086.3	3099.6	3145.6	3248.1	3372.8	3417.3	3490.0	3442.5	3353.5	3375.7	3395.0
37.5°	3292.6	3331.2	3417.3	3539.0	3613.2	3694.9	3721.6	3657.8	3592.5	3565.7	3629.6
40°	3608.8	3596.9	3691.9	3813.7	3923.5	4005.1	3971.0	3907.2	3745.4	3746.8	3764.7
42.5°	3880.5	3886.4	3959.1	4104.6	4254.5	4305.0	4196.6	4040.8	3861.2	3841.9	3880.5
45°	4109.1	4132.8	4174.4	4368.8	4515.8	4570.7	4370.3	4186.3	3945.8	3865.6	3929.4
47.5°	4190.7	4229.3	4319.9	4498.0	4643.5	4688.0	4527.7	4263.5	4024.4	3893.8	3928.0
50°	4202.6	4189.2	4337.7	4501.0	4628.6	4725.1	4584.1	4319.9	4005.1	3936.9	3926.5
52.5°	3877.5	3942.8	4101.6	4325.8	4584.1	4738.5	4634.6	4351.0	4031.9	3954.7	3929.4
55°	3138.2	3061.0	3350.5	3727.6	4202.6	4631.6	4616.8	4367.4	4048.2	3984.4	3950.2
57.5°	1751.7	1774.0	1937.3	2347.0	2960.1	3672.6	4104.6	4195.2	4040.8	4003.7	4021.5
60°	810.5	818.0	887.7	1079.2	1459.3	2082.7	2651.3	3228.8	3494.5	3547.9	3547.9
62.5°	604.2	601.2	619.0	653.2	733.3	957.5	1278.1	1736.9	2102.0	2357.4	2424.2
65°	546.3	544.8	553.7	565.6	571.5	602.7	674.0	815.0	933.7	1002.0	990.2
67.5°	478.0	476.5	479.5	486.9	497.3	513.6	531.4	561.1	602.7	599.7	592.3
70°	386.0	386.0	390.4	396.4	408.2	427.5	448.3	469.1	504.7	512.1	510.7
72.5°	285.0	280.6	289.5	301.4	313.2	337.0	359.2	378.5	403.8	411.2	408.2
75°	181.1	184.1	190.0	203.4	224.2	240.5	264.2	280.6	296.9	302.8	304.3
77.5°	100.9	103.9	114.3	130.6	151.4	169.2	190.0	203.4	213.8	215.3	216.7
80°	60.9	62.3	72.7	87.6	105.4	124.7	141.0	154.4	163.3	158.8	157.4
82.5°	37.1	38.6	47.5	60.9	75.7	90.6	108.4	120.2	129.2	123.2	117.3
85°	19.3	20.8	28.2	37.1	49.0	56.4	56.4	50.5	49.0	46.0	44.5
87.5°	5.9	5.9	7.4	8.9	7.4	8.9	10.4	11.9	11.9	13.4	11.9
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)