

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: P529893

Luminaire Tested: **GALN-SA5A-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14800 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

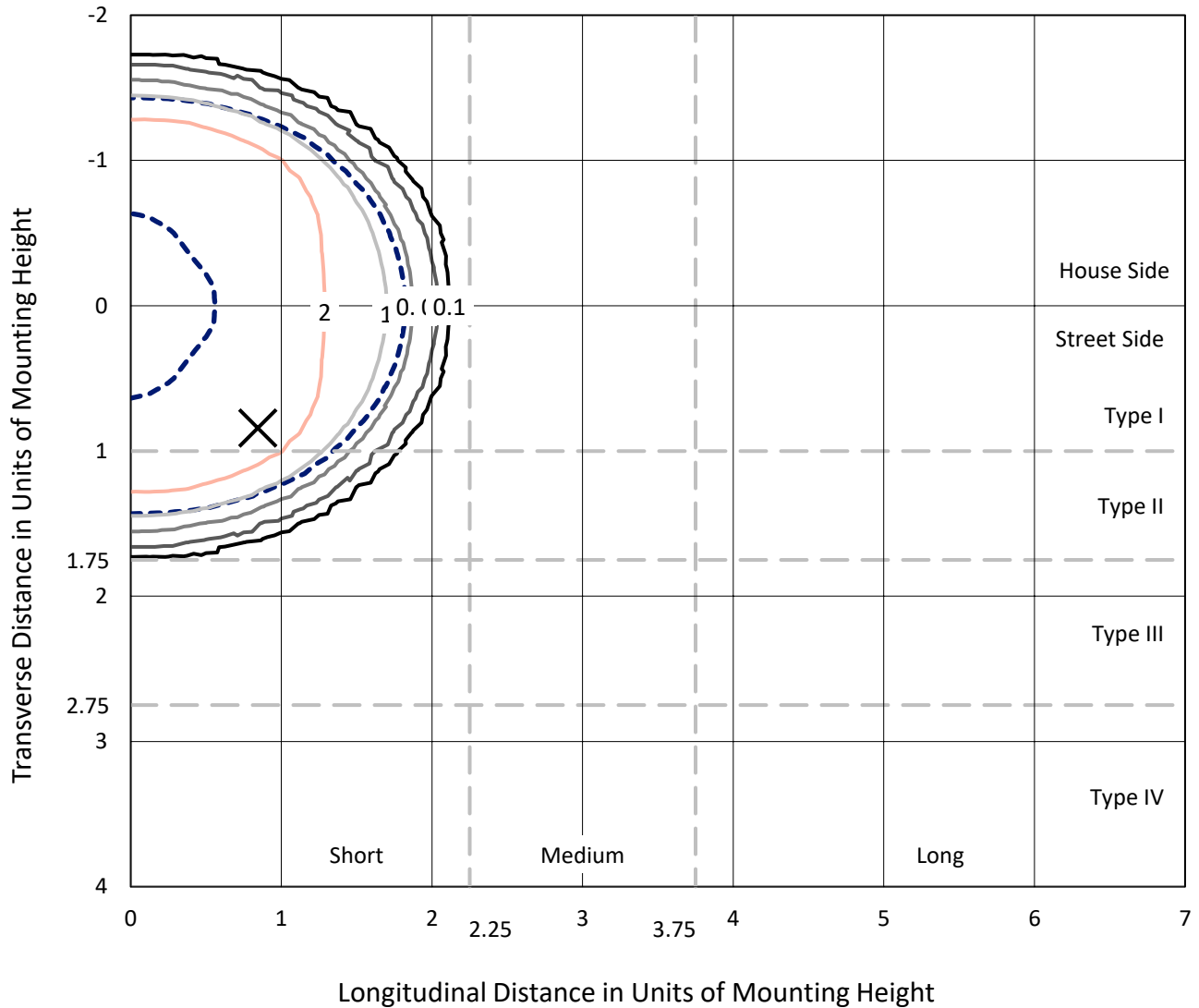
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

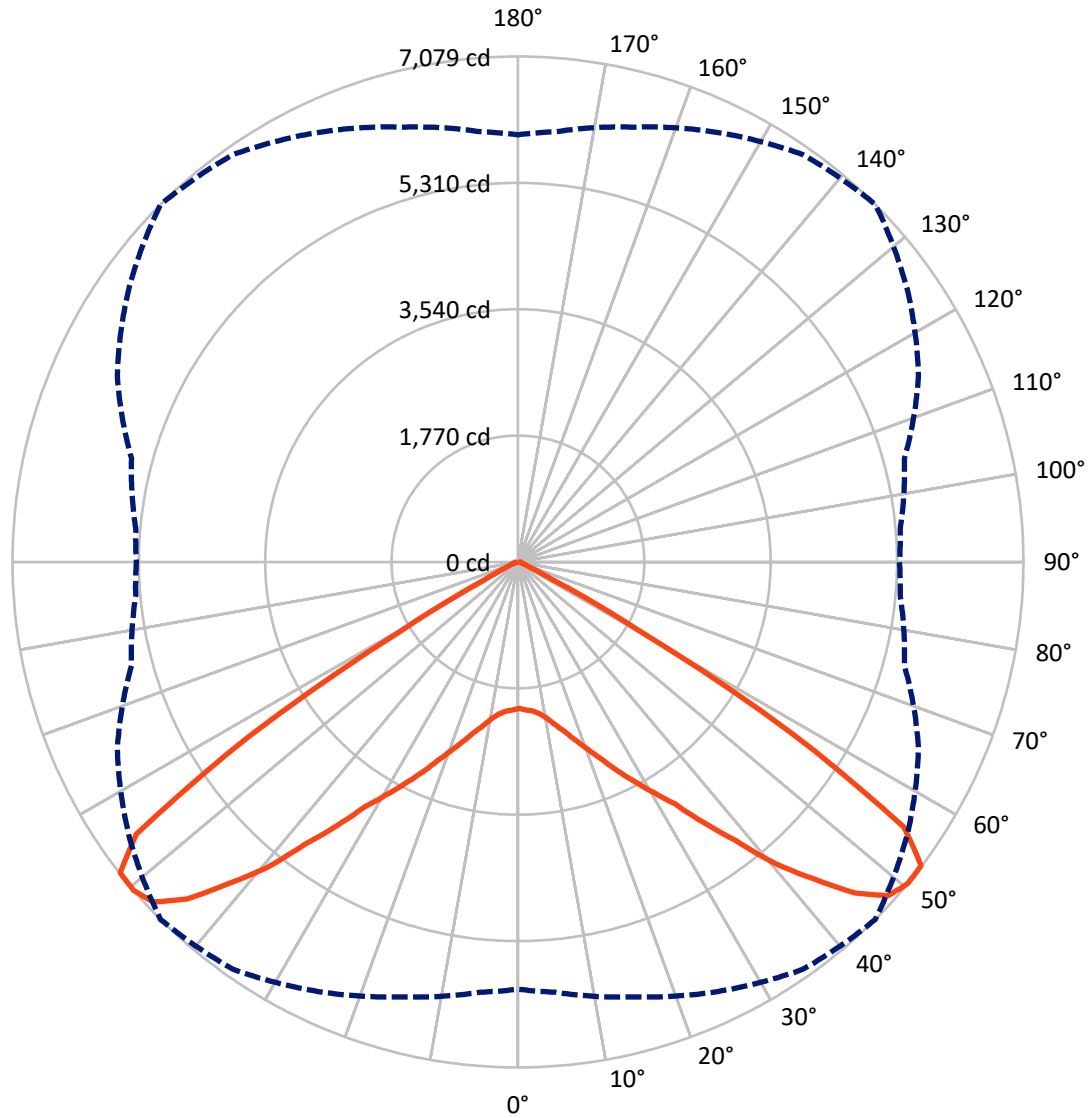
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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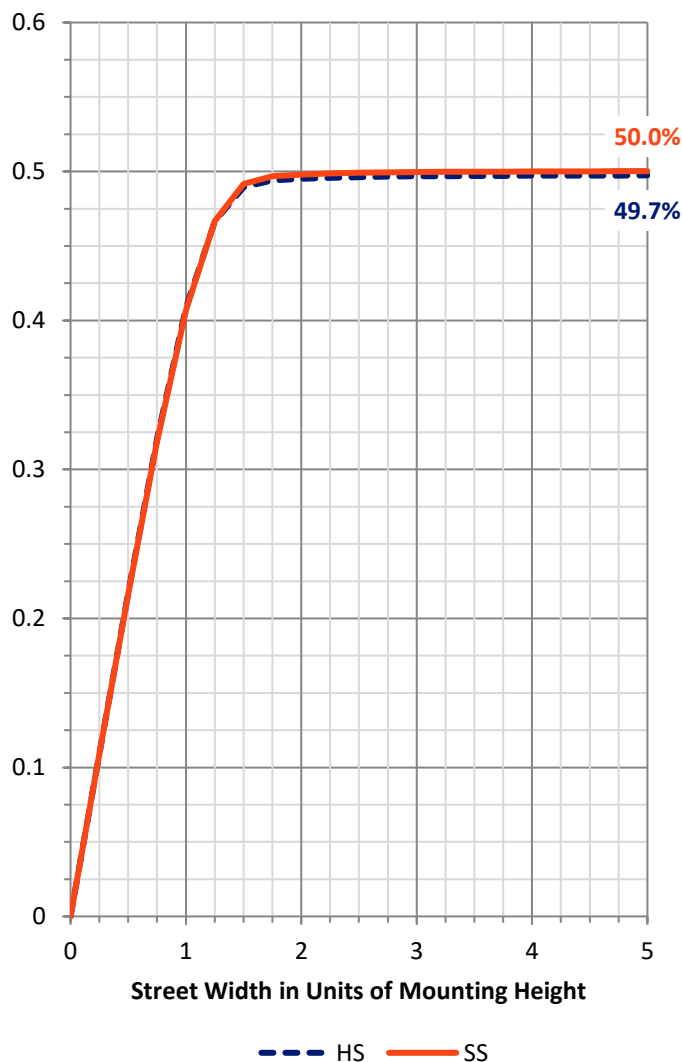
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7400.0	0.0	7400.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7400.0	0.0	7400.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14800.0	0.0	14800.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.1	1.4
10°-20°	703.5	4.8
20°-30°	1436.9	9.7
30°-40°	2740.2	18.5
40°-50°	4617.6	31.2
50°-60°	4403.7	29.8
60°-70°	614.7	4.2
70°-80°	58.8	0.4
80°-90°	20.3	0.1
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°	14800.0	100.0
0°-180°	14800.0	100.0

Coefficient of Utilization



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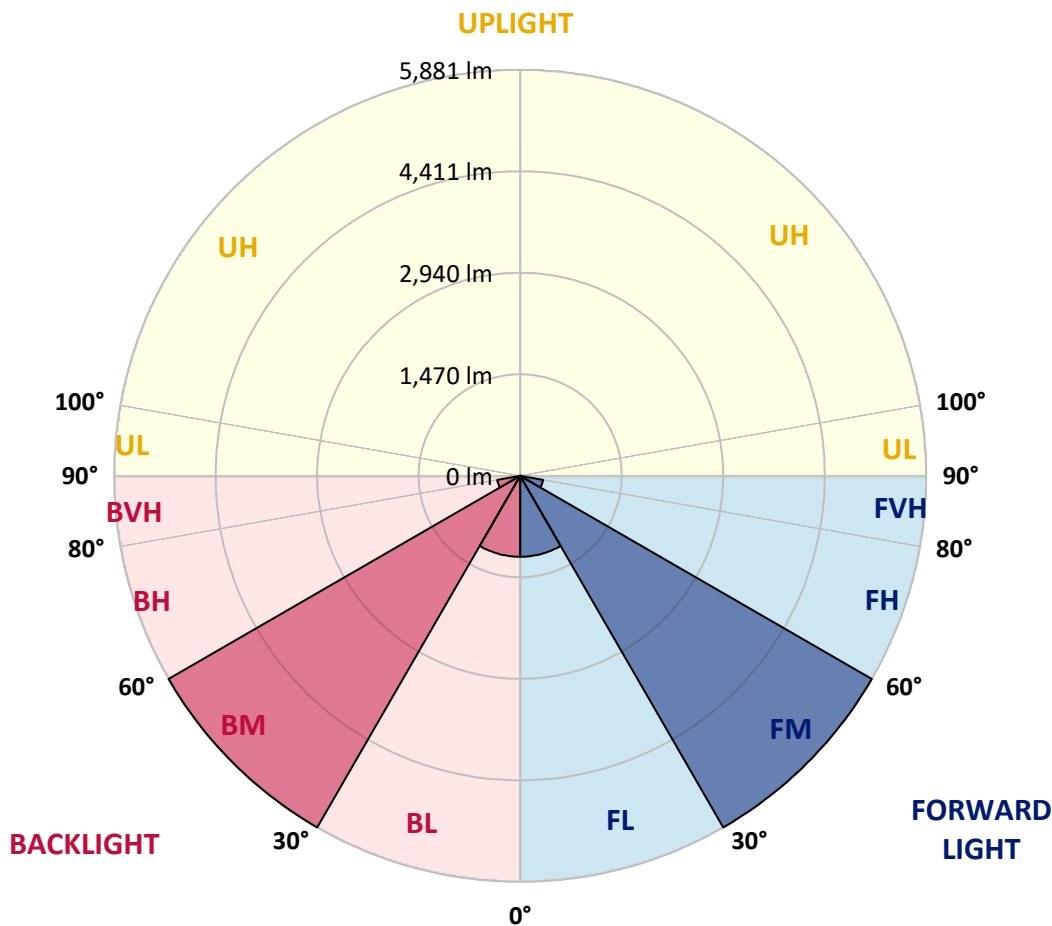
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.3	7.9			
FM (30°-60°)	5880.8	39.7			
FH (60°-80°)	336.8	2.3			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	1172.3	7.9	B3/2500		
BM (30°-60°)	5880.8	39.7	B4/8500		
BH (60°-80°)	336.8	2.3	B1/500		G0/660
BVH (80°-90°)	10.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9	2051.9
2.5°	2044.4	2044.4	2041.9	2061.8	2051.9	2074.3	2071.8	2079.2	2086.7	2084.2	2104.1
5°	2027.0	2024.5	2024.5	2046.9	2069.3	2094.2	2116.6	2131.5	2156.4	2156.4	2181.3
7.5°	2044.4	2031.9	2049.4	2059.3	2101.7	2144.0	2181.3	2211.2	2268.5	2288.4	2280.9
10°	2049.4	2064.3	2076.8	2106.6	2158.9	2223.7	2256.0	2330.8	2395.5	2440.3	2450.3
12.5°	2081.7	2104.1	2139.0	2211.2	2258.5	2343.2	2388.0	2460.2	2549.9	2599.7	2634.5
15°	2144.0	2151.5	2196.3	2288.4	2390.5	2467.7	2537.4	2589.7	2676.9	2734.1	2736.6
17.5°	2223.7	2256.0	2318.3	2405.5	2512.5	2627.1	2681.9	2739.1	2771.5	2848.7	2866.1
20°	2383.0	2388.0	2447.8	2562.3	2696.8	2801.4	2841.2	2871.1	2858.7	2938.3	2953.3
22.5°	2532.4	2537.4	2612.1	2766.5	2910.9	3000.6	3018.0	3000.6	2963.2	3020.5	3025.5
25°	2684.3	2729.2	2784.0	2938.3	3117.6	3237.2	3239.6	3192.3	3115.1	3125.1	3150.0
27.5°	2920.9	2953.3	3010.6	3152.5	3349.2	3483.7	3461.3	3404.0	3304.4	3311.9	3304.4
30°	3197.3	3227.2	3274.5	3456.3	3600.7	3747.6	3780.0	3725.2	3575.8	3543.4	3580.8
32.5°	3531.0	3573.3	3660.5	3827.3	3949.3	4039.0	4061.4	4041.5	3902.0	3889.6	3914.5
35°	3936.9	3994.1	4073.8	4220.7	4320.4	4482.2	4482.2	4415.0	4288.0	4302.9	4300.4
37.5°	4365.2	4449.8	4574.3	4723.8	4858.2	4945.4	4918.0	4860.7	4733.7	4701.3	4733.7
40°	4903.0	4945.4	5102.3	5296.5	5460.8	5560.4	5443.4	5318.9	5015.1	5062.4	5149.6
42.5°	5393.6	5460.8	5580.4	5794.5	5981.3	6063.4	5924.0	5677.5	5311.4	5274.1	5338.8
45°	5811.9	5884.1	6041.0	6347.3	6544.0	6616.2	6307.5	5909.0	5490.7	5396.1	5423.5
47.5°	6090.8	6128.2	6347.3	6638.7	6817.9	6982.3	6539.0	6068.4	5575.4	5396.1	5386.1
50°	5983.8	6048.5	6305.0	6636.2	6962.4	7079.4	6656.1	6190.4	5602.8	5373.7	5343.8
52.5°	5313.9	5426.0	5712.3	6158.1	6651.1	7069.4	6817.9	6150.6	5592.8	5396.1	5440.9
55°	3697.8	3700.3	4048.9	4706.3	5577.9	6564.0	6581.4	6195.4	5657.5	5535.5	5538.0
57.5°	1486.6	1561.3	1827.7	2487.6	3291.9	4507.1	5358.7	5747.2	5665.0	5635.1	5712.3
60°	376.0	378.5	460.7	702.2	1157.9	1932.3	2806.4	3797.4	4372.6	4569.4	4596.8
62.5°	191.7	194.2	214.2	249.0	316.2	517.9	921.3	1461.7	2079.2	2393.0	2475.2
65°	156.9	156.9	169.3	186.8	189.2	199.2	239.1	341.1	495.5	562.8	570.2
67.5°	119.5	119.5	129.5	139.4	144.4	141.9	137.0	141.9	171.8	164.3	159.4
70°	74.7	77.2	82.2	92.1	97.1	99.6	102.1	107.1	122.0	127.0	122.0
72.5°	44.8	44.8	47.3	54.8	62.3	67.2	74.7	79.7	87.2	99.6	97.1
75°	19.9	19.9	24.9	32.4	39.8	47.3	54.8	62.3	67.2	74.7	77.2
77.5°	5.0	7.5	12.5	22.4	29.9	39.8	49.8	57.3	62.3	62.3	59.8
80°	2.5	2.5	10.0	17.4	32.4	42.3	54.8	59.8	67.2	62.3	54.8
82.5°	2.5	2.5	10.0	17.4	29.9	42.3	57.3	64.7	69.7	62.3	52.3
85°	0.0	2.5	7.5	14.9	24.9	29.9	24.9	17.4	10.0	10.0	7.5
87.5°	0.0	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)