

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: P533295

Luminaire Tested: **GALN-SA8D-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27250 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

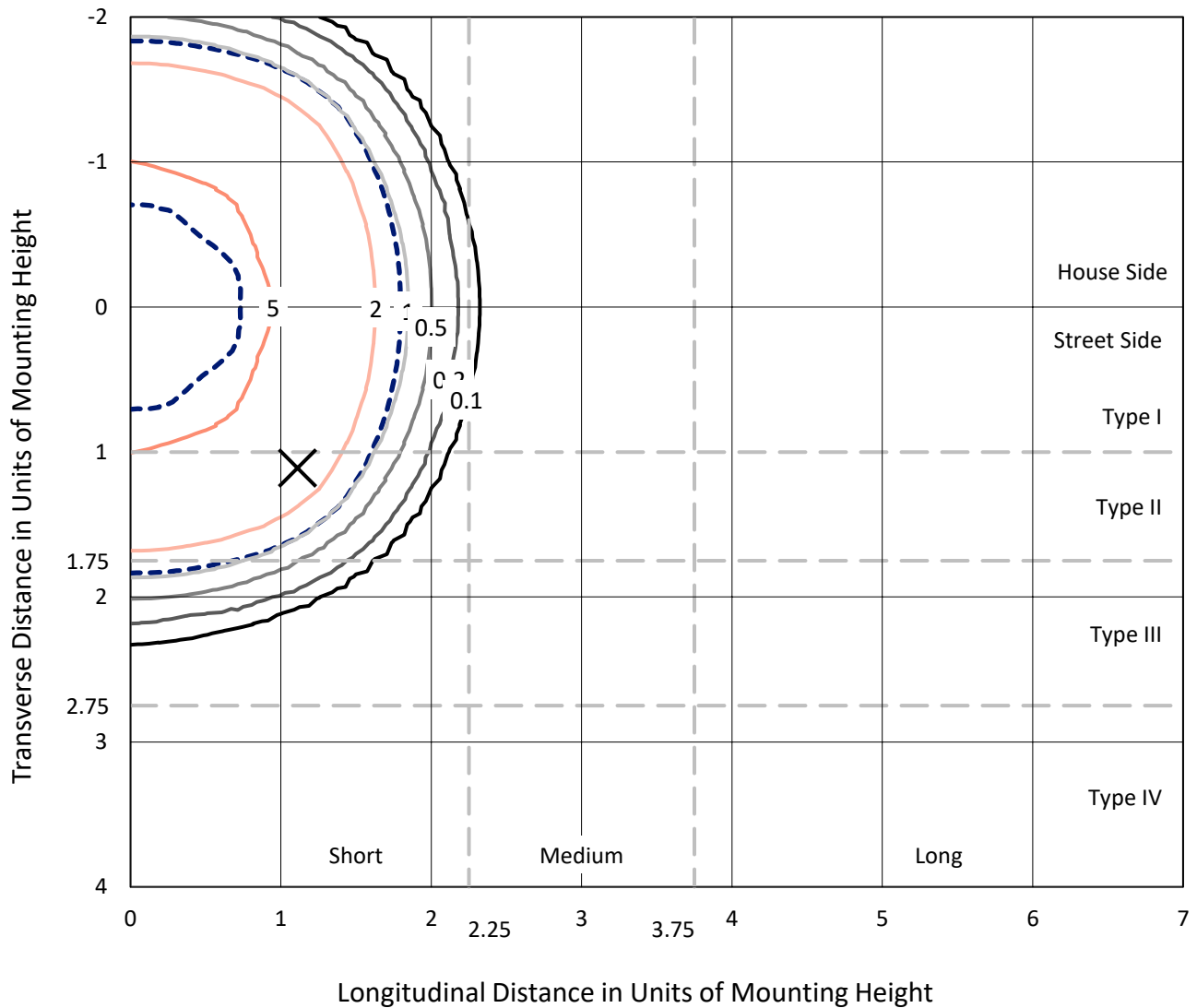
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

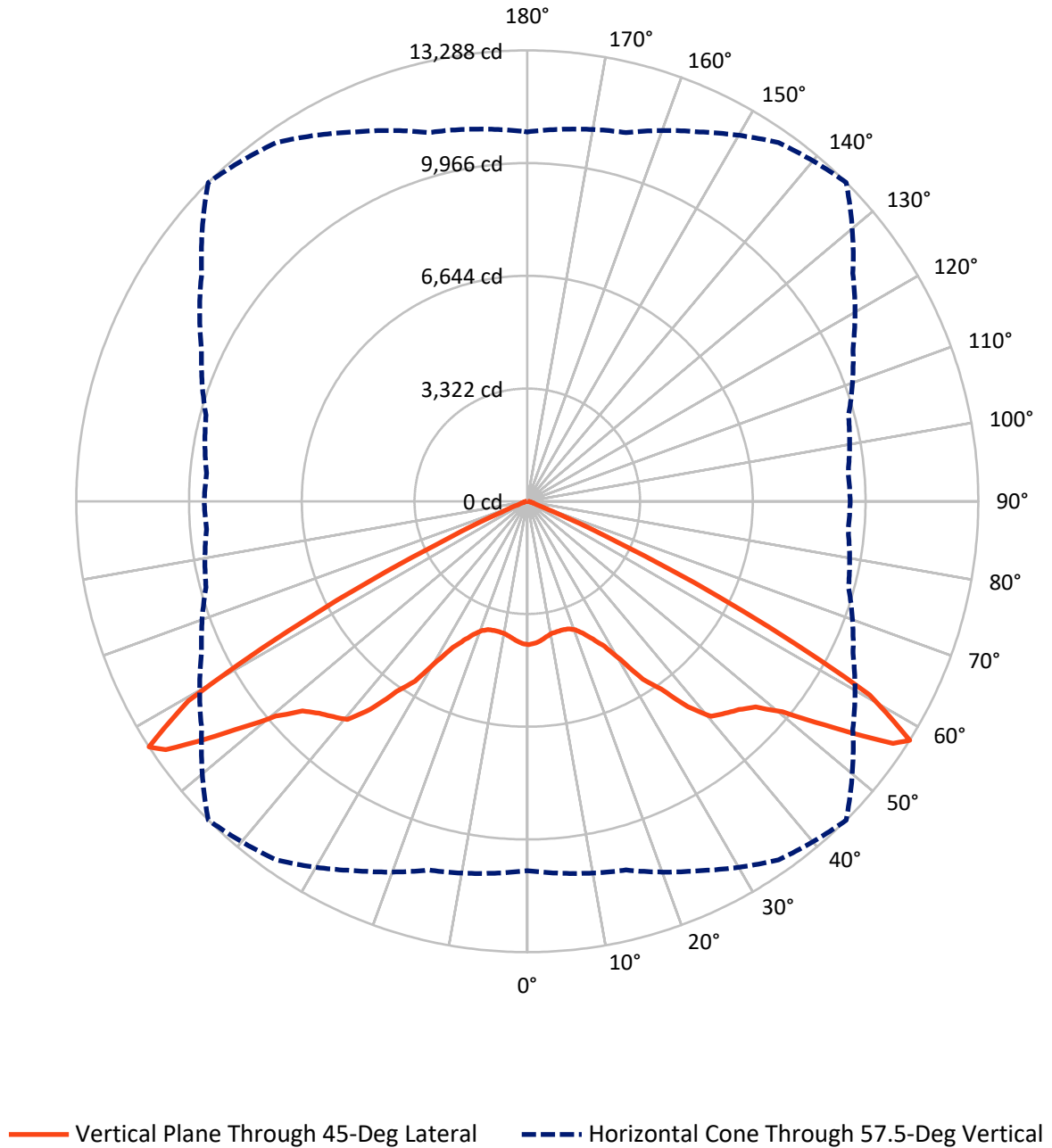
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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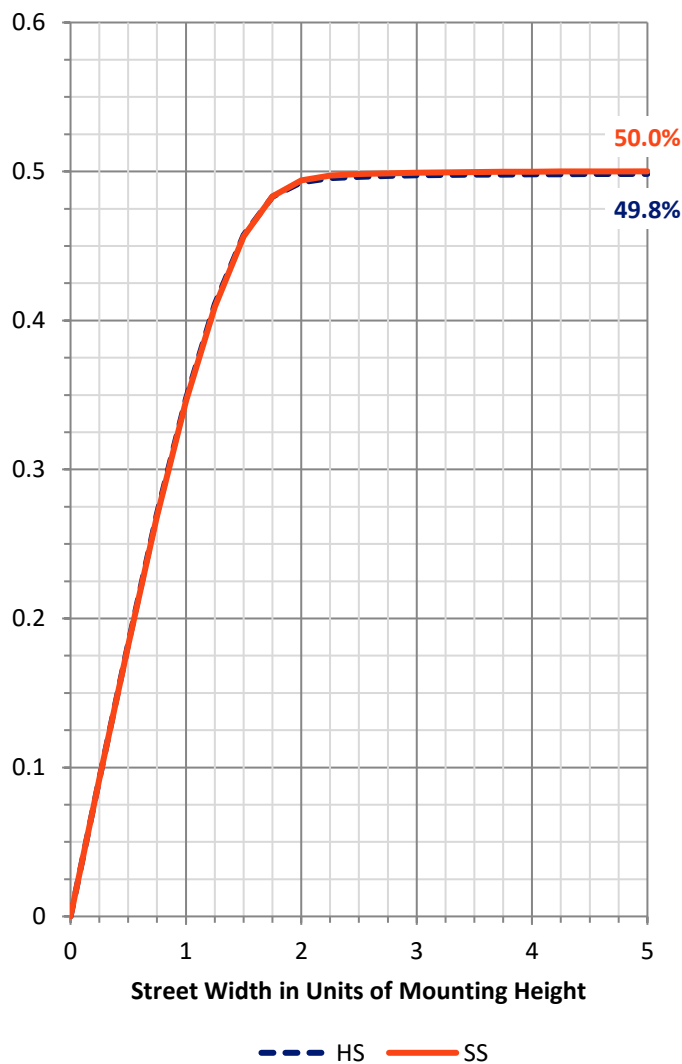
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13625.0	0.0	13625.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13625.0	0.0	13625.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27250.0	0.0	27250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.4	1.4
10°-20°	1122.7	4.1
20°-30°	2072.4	7.6
30°-40°	4075.6	15.0
40°-50°	6638.0	24.4
50°-60°	9466.6	34.7
60°-70°	3277.6	12.0
70°-80°	175.8	0.6
80°-90°	33.0	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°	27250.0	100.0
0°-180°	27250.0	100.0

Coefficient of Utilization

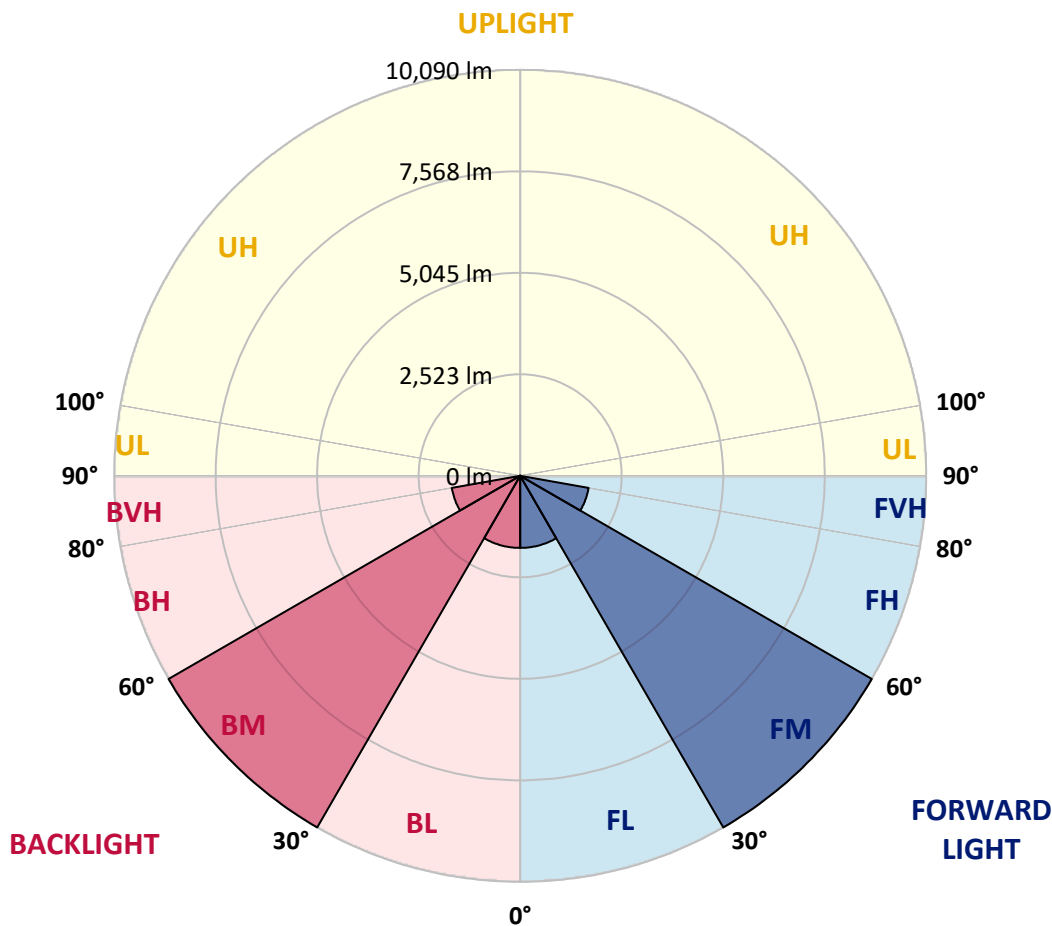


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1791.7	6.6			
FM (30°-60°)	10090.0	37.0			
FH (60°-80°)	1726.7	6.3			G1/1800
FVH (80°-90°)	16.5	0.1			G1/100
BL (0°-30°)	1791.7	6.6	B3/2500		
BM (30°-60°)	10090.0	37.0	B5		
BH (60°-80°)	1726.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	16.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8	4226.8
2.5°	4215.4	4238.1	4209.7	4198.4	4192.7	4192.7	4175.6	4175.6	4169.9	4175.6	4152.9
5°	4147.2	4169.9	4169.9	4164.3	4130.2	4124.5	4107.5	4096.1	4101.8	4079.1	4096.1
7.5°	4079.1	4096.1	4073.4	4067.7	4056.3	4033.6	4027.9	3976.8	3982.5	3982.5	3993.8
10°	4067.7	4062.0	4027.9	3999.5	3965.4	3959.7	3942.7	3931.3	3931.3	3925.7	3942.7
12.5°	4067.7	4039.3	4033.6	3971.1	3914.3	3937.0	3891.6	3863.2	3902.9	3914.3	3937.0
15°	4062.0	4090.4	3993.8	3965.4	3925.7	3931.3	3891.6	3863.2	3885.9	3897.3	3914.3
17.5°	4096.1	4079.1	4050.6	3993.8	3976.8	3954.1	3902.9	3880.2	3880.2	3908.6	3914.3
20°	4187.0	4141.5	4084.7	4056.3	4073.4	4045.0	3982.5	3897.3	3920.0	3942.7	3959.7
22.5°	4272.2	4238.1	4198.4	4181.3	4277.9	4232.4	4124.5	4027.9	3993.8	4033.6	4062.0
25°	4437.0	4437.0	4363.1	4385.8	4493.8	4499.5	4374.5	4204.0	4181.3	4198.4	4209.7
27.5°	4772.1	4789.2	4726.7	4749.4	4794.9	4834.6	4726.7	4584.7	4533.5	4527.9	4544.9
30°	5135.7	5169.8	5164.1	5260.7	5391.4	5414.1	5255.0	5022.1	4868.7	4840.3	4863.0
32.5°	5613.0	5630.0	5618.6	5732.3	6084.5	6249.2	5834.5	5505.0	5300.5	5351.6	5300.5
35°	6510.6	6493.5	6368.5	6391.3	6681.0	6800.3	6402.6	6192.4	6095.9	6198.1	6175.4
37.5°	7283.2	7220.7	7118.5	7266.2	7567.3	7675.2	7260.5	6891.2	6715.1	6885.5	6959.4
40°	7936.5	7777.5	7635.4	7783.1	8186.5	8334.2	7726.3	7425.2	7357.1	7482.0	7641.1
42.5°	8487.6	8385.3	8197.9	8209.2	8476.2	8544.4	8055.8	7879.7	7811.6	8010.4	8089.9
45°	8879.6	8783.0	8606.9	8595.5	8800.1	8754.6	8317.2	8197.9	8237.6	8368.3	8408.1
47.5°	9078.4	9129.6	9027.3	9055.7	9163.7	9055.7	8709.2	8709.2	8618.3	8697.8	8658.0
50°	9652.2	9493.2	9623.8	9623.8	9737.5	9748.8	9402.3	9277.3	9033.0	8896.6	8896.6
52.5°	10322.6	10334.0	10385.1	10572.6	10765.7	10930.5	10436.2	9902.2	9493.2	9317.1	9294.3
55°	10873.7	10987.3	11191.8	11544.1	12100.8	12328.1	11475.9	10521.5	10021.5	9748.8	9692.0
56°	11174.8	11066.8	11419.1	11902.0	12629.2	12924.6	11646.3	10646.4	10095.4	9788.6	9782.9
57.5°	10885.0	11004.3	11248.6	12009.9	12901.8	13288.2	11708.8	10589.6	9799.9	9487.5	9515.9
60°	8595.5	8709.2	9038.7	9890.8	11288.4	11589.5	9907.9	8731.9	8027.4	7578.6	7584.3
62.5°	4863.0	4948.3	5203.9	5993.6	6862.8	7152.5	6175.4	5391.4	4902.8	4652.8	4573.3
65°	1789.6	1755.5	1795.2	2198.6	2732.6	2976.9	2567.9	2170.2	1914.5	1823.6	1789.6
67.5°	670.4	619.2	579.5	619.2	778.3	823.8	755.6	630.6	590.8	607.9	619.2
70°	414.7	392.0	312.5	295.4	289.7	284.1	301.1	318.1	363.6	426.1	437.4
72.5°	289.7	272.7	221.6	210.2	198.8	193.2	221.6	244.3	284.1	329.5	335.2
75°	113.6	119.3	113.6	125.0	130.7	136.3	159.1	176.1	193.2	193.2	187.5
77.5°	22.7	22.7	34.1	45.4	56.8	73.9	107.9	125.0	130.7	125.0	107.9
80°	0.0	0.0	11.4	22.7	45.4	62.5	96.6	107.9	119.3	107.9	85.2
82.5°	0.0	0.0	11.4	28.4	45.4	56.8	90.9	113.6	130.7	119.3	90.9
85°	0.0	0.0	11.4	22.7	34.1	39.8	39.8	28.4	28.4	17.0	11.4
87.5°	0.0	0.0	0.0	0.0	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)