

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: P532669

Luminaire Tested: **GALN-SA8A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25368 lumens
Efficiency: N/A
Efficacy: 104.0 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

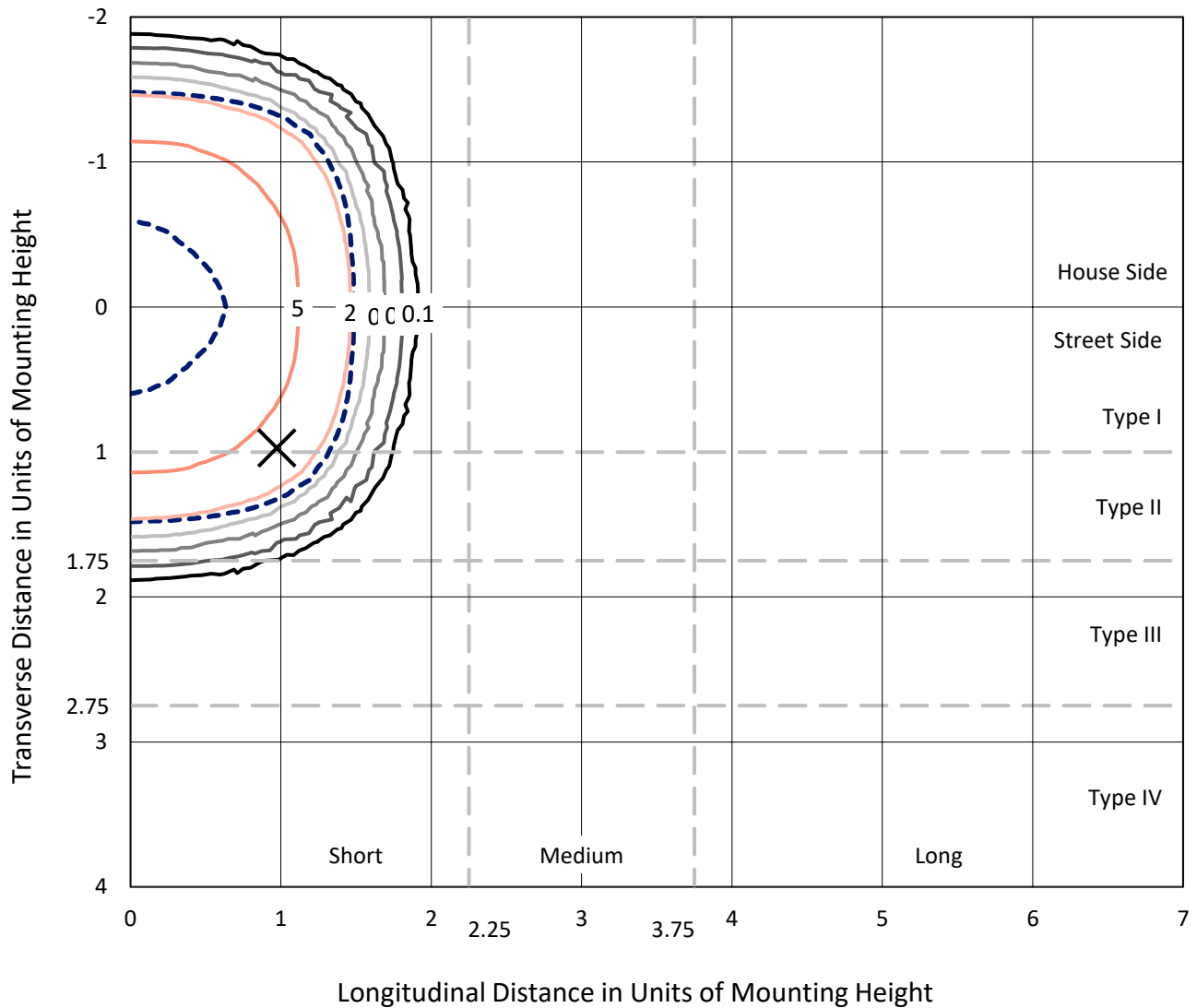
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

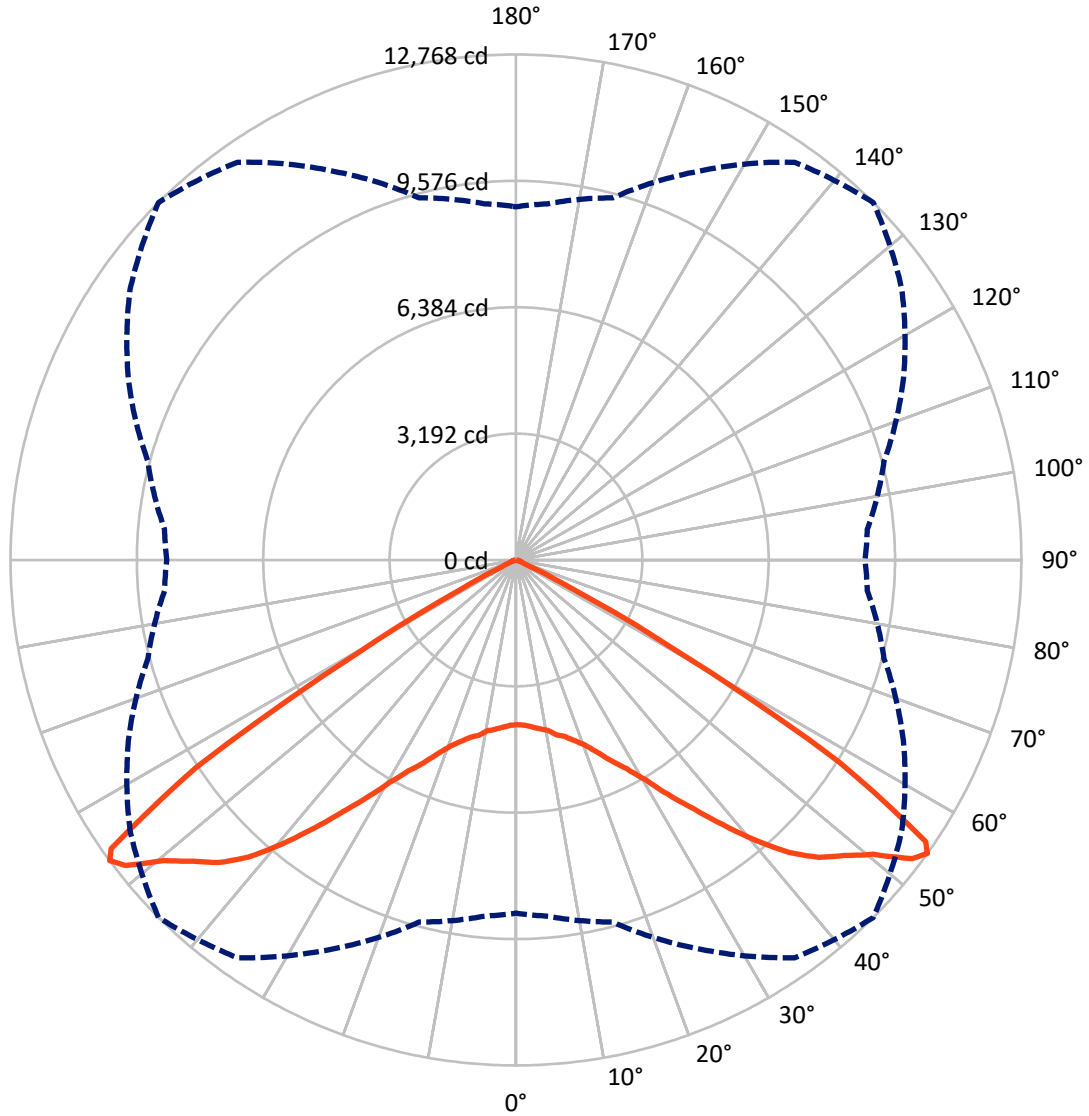
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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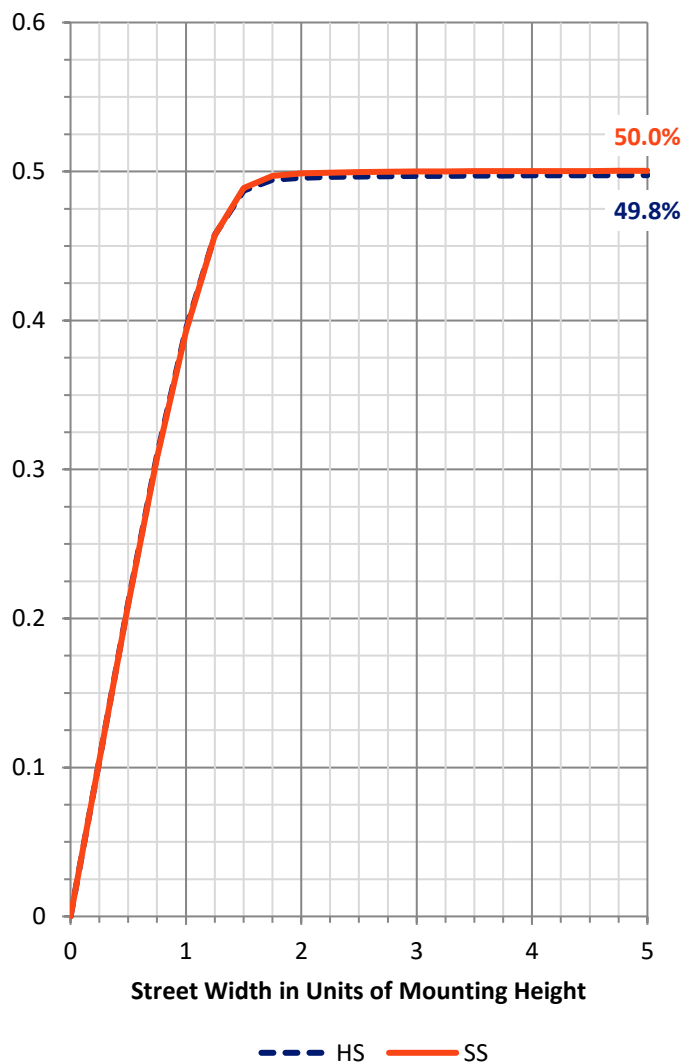
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12684.0	0.0	12684.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12684.0	0.0	12684.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25368.0	0.0	25368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.1	1.6
10°-20°	1318.4	5.2
20°-30°	2584.0	10.2
30°-40°	4646.6	18.3
40°-50°	7954.1	31.4
50°-60°	7696.3	30.3
60°-70°	658.8	2.6
70°-80°	78.1	0.3
80°-90°	24.5	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°	25368.0	100.0
0°-180°	25368.0	100.0

Coefficient of Utilization

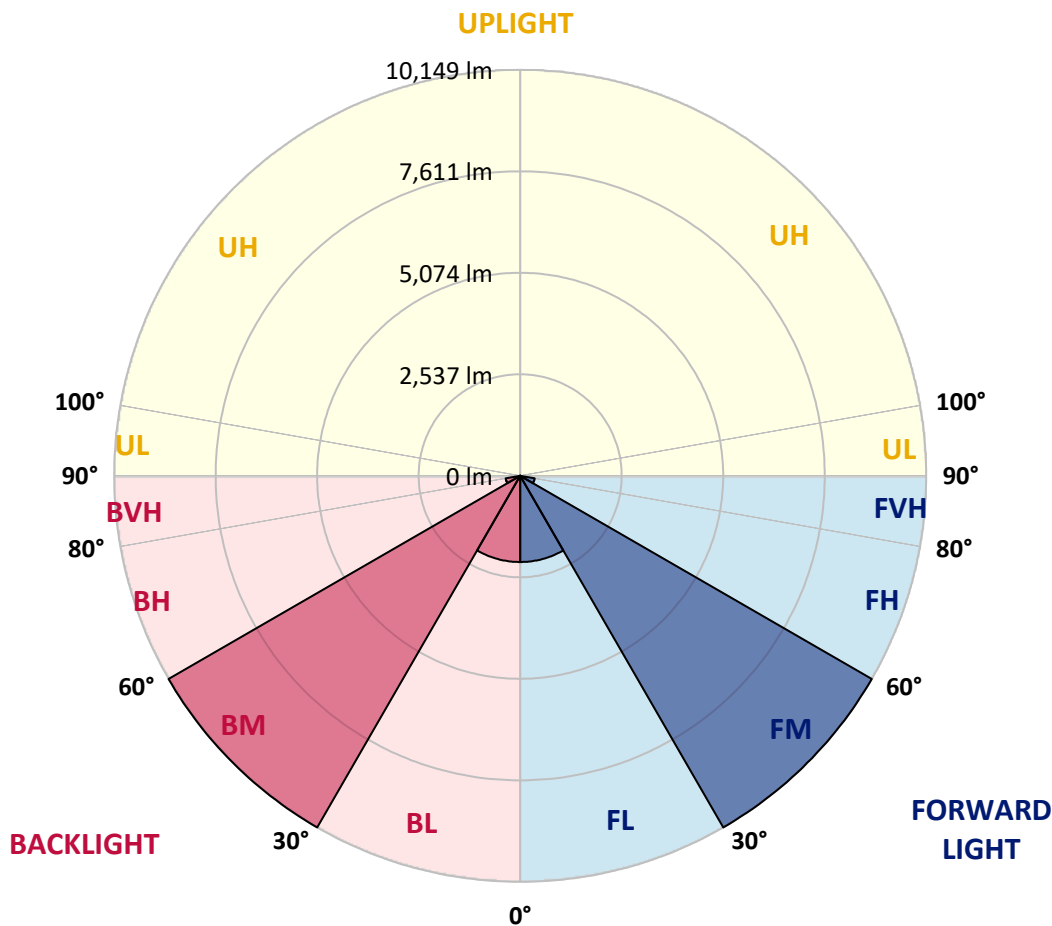


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2154.8	8.5			
FM (30°-60°)	10148.5	40.0			
FH (60°-80°)	368.5	1.5			G0/660
FVH (80°-90°)	12.2	0.0			G1/100
BL (0°-30°)	2154.8	8.5	B3/2500		
BM (30°-60°)	10148.5	40.0	B5		
BH (60°-80°)	368.5	1.5	B1/500		G0/660
BVH (80°-90°)	12.2	0.0			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°	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6	4159.6
2.5°	4179.7	4203.8	4187.7	4199.8	4199.8	4179.7	4191.7	4143.5	4175.6	4151.5	4155.5
5°	4244.0	4239.9	4239.9	4244.0	4227.9	4235.9	4219.8	4203.8	4191.7	4175.6	4223.9
7.5°	4324.3	4324.3	4296.2	4304.2	4296.2	4308.3	4276.1	4244.0	4231.9	4219.8	4211.8
10°	4400.7	4392.7	4380.6	4416.8	4388.6	4372.6	4356.5	4336.4	4292.2	4276.1	4260.0
12.5°	4513.2	4509.2	4493.1	4529.3	4513.2	4529.3	4469.0	4416.8	4408.7	4356.5	4384.6
15°	4645.8	4682.0	4653.9	4653.9	4645.8	4625.8	4601.6	4577.5	4505.2	4485.1	4489.1
17.5°	4818.7	4806.6	4810.6	4810.6	4850.8	4798.6	4750.3	4690.1	4653.9	4641.8	4601.6
20°	4983.4	4999.5	4995.5	5023.6	5047.7	4991.5	4939.2	4931.2	4830.7	4846.8	4790.5
22.5°	5272.8	5260.7	5280.8	5300.9	5284.9	5276.8	5228.6	5168.3	5079.9	5039.7	5031.7
25°	5578.2	5558.1	5522.0	5570.2	5594.3	5630.5	5538.0	5505.9	5369.3	5309.0	5313.0
27.5°	5839.5	5867.6	5907.8	5927.9	5988.2	5976.1	5911.8	5807.3	5702.8	5634.5	5590.3
30°	6197.1	6213.2	6281.5	6309.7	6414.2	6442.3	6341.8	6221.3	6036.4	5948.0	5895.7
32.5°	6526.7	6639.2	6635.2	6775.9	6944.7	7061.2	6880.4	6695.5	6510.6	6406.1	6313.7
35°	7061.2	7041.1	7157.7	7306.4	7579.6	7712.3	7515.3	7302.3	7021.0	6852.2	6779.9
37.5°	7559.6	7567.6	7724.3	7961.4	8274.9	8479.9	8307.1	7957.4	7668.1	7451.0	7350.6
40°	8283.0	8299.0	8459.8	8729.1	9082.7	9303.8	9102.8	8749.1	8363.3	8194.5	8194.5
42.5°	9130.9	9199.3	9303.8	9536.9	9854.3	10099.5	9918.6	9641.3	9251.5	9034.5	9066.6
45°	10003.0	10035.2	10103.5	10449.1	10597.8	10718.4	10549.6	10421.0	10159.8	9894.5	9850.3
47.5°	10818.9	10830.9	11031.9	11140.4	11256.9	11156.5	11265.0	11096.2	10802.8	10545.6	10493.3
50°	11180.6	11160.5	11445.8	11775.4	11863.8	11687.0	11594.5	11482.0	11035.9	10726.4	10589.8
52.5°	10127.6	10244.2	10774.7	11691.0	12382.2	12530.9	11992.4	11474.0	10642.0	10039.2	9946.8
54°	8922.0	9030.5	9468.5	10826.9	12265.7	12768.0	11900.0	10798.8	9625.3	8909.9	8817.5
55°	7728.3	7607.8	8403.5	9790.0	11719.1	12559.1	11534.2	9926.7	8584.4	7929.3	7800.7
57.5°	4183.7	4203.8	4874.9	6185.1	8234.7	9629.3	8504.0	6715.6	5071.9	4336.4	4272.1
60°	1326.2	1358.4	1651.8	2499.8	3934.5	4698.1	4026.9	2696.7	1864.8	1495.0	1434.7
62.5°	413.9	430.0	470.2	699.3	1077.1	1539.2	1205.7	723.4	538.5	494.3	502.4
65°	253.2	253.2	257.2	273.3	321.5	373.8	361.7	317.5	305.4	297.4	293.4
67.5°	164.8	160.8	168.8	180.9	188.9	192.9	205.0	217.0	213.0	205.0	205.0
70°	100.5	96.5	104.5	120.6	124.6	132.6	144.7	160.8	156.7	148.7	152.7
72.5°	56.3	56.3	60.3	72.3	84.4	92.4	104.5	116.5	120.6	116.5	116.5
75°	20.1	24.1	32.2	44.2	52.2	64.3	76.4	88.4	100.5	92.4	88.4
77.5°	8.0	8.0	16.1	28.1	40.2	52.2	72.3	84.4	92.4	84.4	76.4
80°	4.0	4.0	12.1	24.1	36.2	48.2	60.3	72.3	76.4	68.3	60.3
82.5°	4.0	4.0	12.1	24.1	36.2	44.2	64.3	72.3	80.4	72.3	60.3
85°	0.0	4.0	12.1	24.1	32.2	36.2	36.2	24.1	20.1	12.1	12.1
87.5°	0.0	0.0	4.0	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)