

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: P532675

Luminaire Tested: **GALN-SA8A-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532675
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-SA8A-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 23865 lumens
Efficiency: N/A
Efficacy: 97.8 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

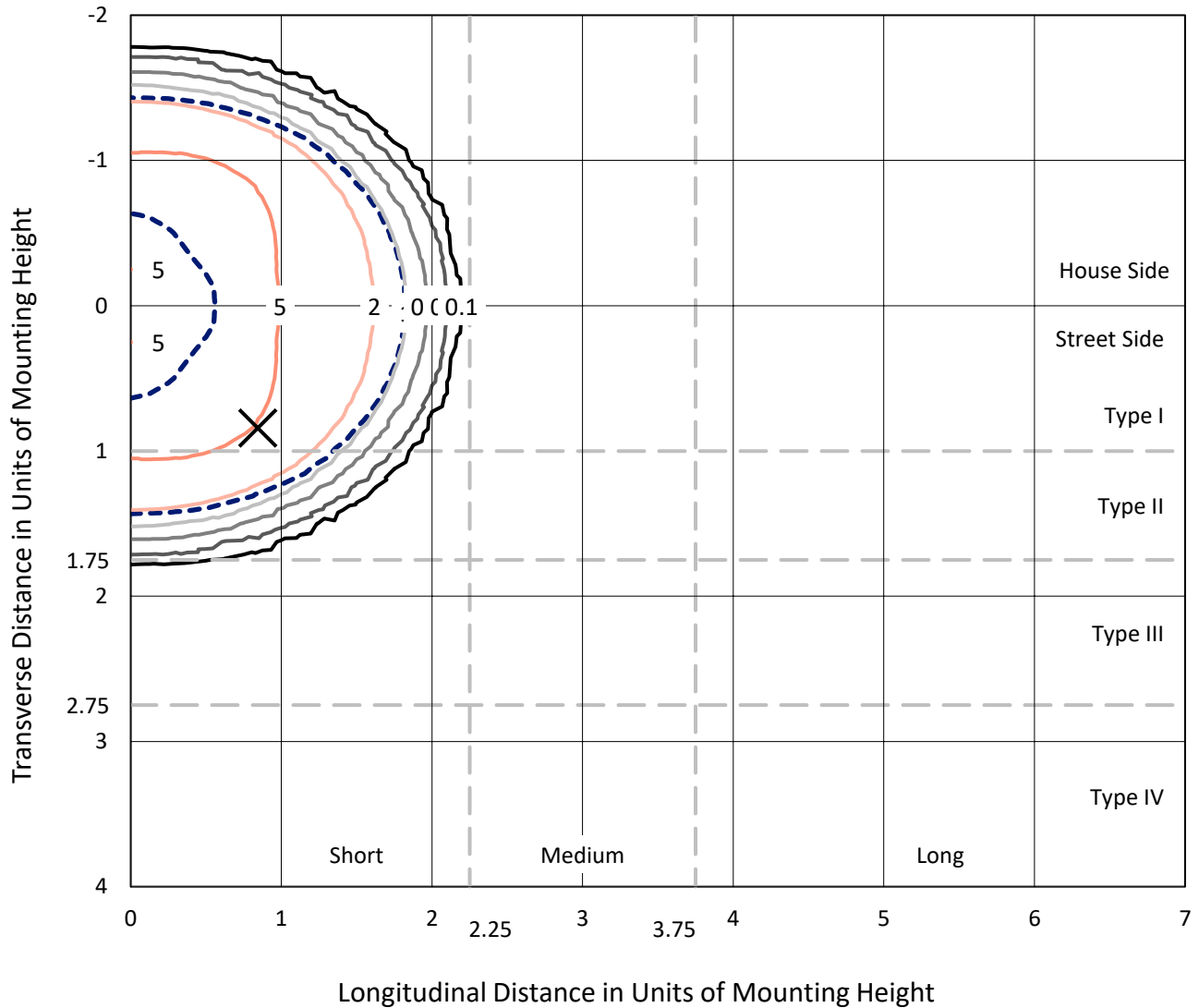
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

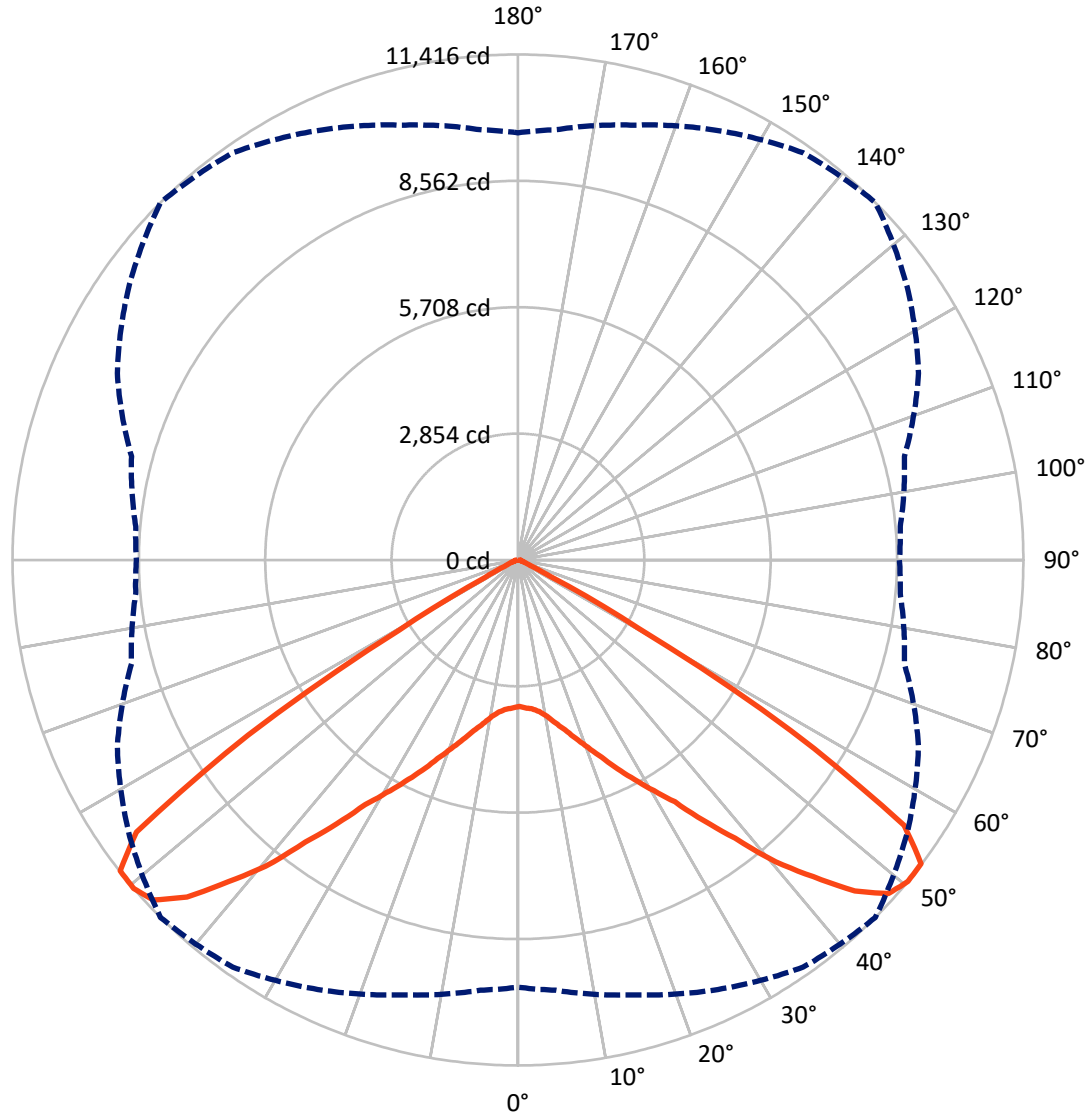
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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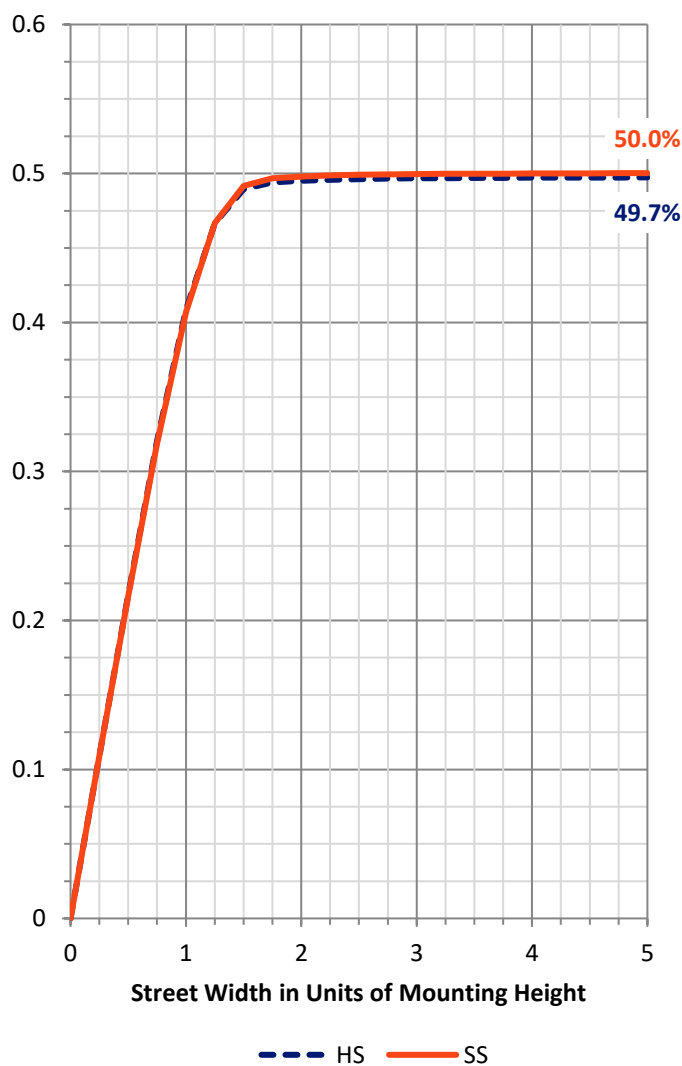
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11932.5	0.0	11932.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11932.5	0.0	11932.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23865.0	0.0	23865.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.2	1.4
10°-20°	1134.5	4.8
20°-30°	2317.0	9.7
30°-40°	4418.6	18.5
40°-50°	7445.9	31.2
50°-60°	7101.0	29.8
60°-70°	991.3	4.2
70°-80°	94.8	0.4
80°-90°	32.8	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°	23865.0	100.0
0°-180°	23865.0	100.0

Coefficient of Utilization



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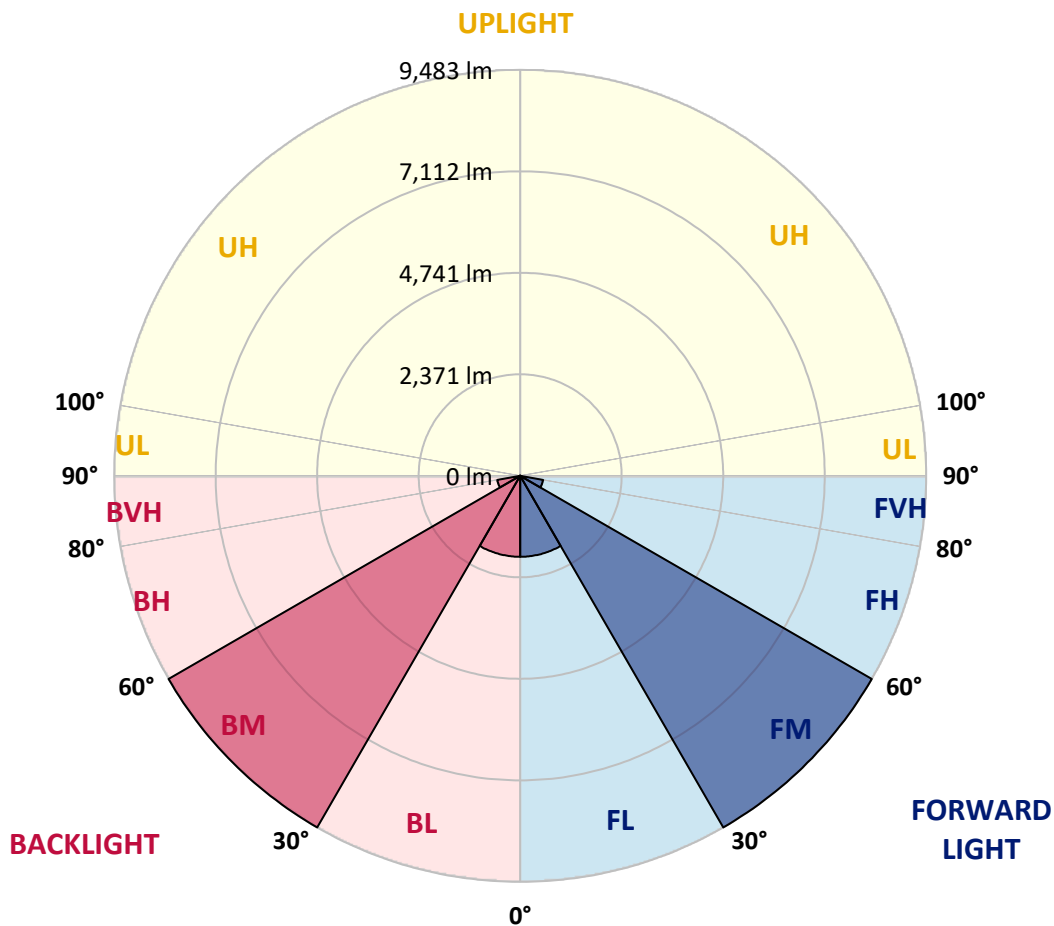
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1890.3	7.9			
FM (30°-60°)	9482.8	39.7			
FH (60°-80°)	543.0	2.3			G0/660
FVH (80°-90°)	16.4	0.1			G1/100
BL (0°-30°)	1890.3	7.9	B3/2500		
BM (30°-60°)	9482.8	39.7	B5		
BH (60°-80°)	543.0	2.3	B2/1000		G0/660
BVH (80°-90°)	16.4	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°	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6	3308.6
2.5°	3296.6	3296.6	3292.6	3324.7	3308.6	3344.8	3340.7	3352.8	3364.8	3360.8	3392.9
5°	3268.5	3264.5	3264.5	3300.6	3336.7	3376.9	3413.0	3437.1	3477.3	3477.3	3517.4
7.5°	3296.6	3276.5	3304.6	3320.7	3388.9	3457.2	3517.4	3565.6	3658.0	3690.1	3678.0
10°	3304.6	3328.7	3348.8	3397.0	3481.3	3585.7	3637.9	3758.3	3862.7	3935.0	3951.1
12.5°	3356.8	3392.9	3449.2	3565.6	3641.9	3778.4	3850.7	3967.1	4111.7	4192.0	4248.2
15°	3457.2	3469.2	3541.5	3690.1	3854.7	3979.2	4091.6	4175.9	4316.5	4408.8	4412.8
17.5°	3585.7	3637.9	3738.3	3878.8	4051.5	4236.2	4324.5	4416.8	4469.0	4593.5	4621.6
20°	3842.7	3850.7	3947.1	4131.8	4348.6	4517.2	4581.5	4629.7	4609.6	4738.1	4762.2
22.5°	4083.6	4091.6	4212.1	4461.0	4693.9	4838.5	4866.6	4838.5	4778.2	4870.6	4878.6
25°	4328.5	4400.8	4489.1	4738.1	5027.2	5219.9	5223.9	5147.6	5023.2	5039.2	5079.4
27.5°	4710.0	4762.2	4854.5	5083.4	5400.6	5617.4	5581.3	5488.9	5328.3	5340.4	5328.3
30°	5155.7	5203.8	5280.1	5573.3	5806.1	6043.0	6095.2	6006.9	5766.0	5713.8	5774.0
32.5°	5693.7	5762.0	5902.5	6171.5	6368.3	6512.8	6549.0	6516.9	6292.0	6271.9	6312.1
35°	6348.2	6440.6	6569.1	6806.0	6966.6	7227.6	7227.6	7119.2	6914.4	6938.5	6934.4
37.5°	7038.8	7175.4	7376.1	7617.1	7833.9	7974.4	7930.2	7837.9	7633.1	7580.9	7633.1
40°	7906.2	7974.4	8227.4	8540.6	8805.6	8966.2	8777.5	8576.7	8086.8	8163.1	8303.7
42.5°	8697.2	8805.6	8998.3	9343.6	9644.8	9777.3	9552.4	9154.9	8564.7	8504.4	8608.8
45°	9371.7	9488.2	9741.2	10235.0	10552.2	10668.7	10170.8	9528.3	8853.8	8701.2	8745.4
47.5°	9821.5	9881.7	10235.0	10704.8	10993.9	11258.9	10544.2	9785.3	8990.3	8701.2	8685.1
50°	9648.8	9753.2	10166.8	10700.8	11226.8	11415.5	10732.9	9982.1	9034.5	8665.1	8616.9
52.5°	8568.7	8749.4	9211.1	9929.9	10724.9	11399.5	10993.9	9917.8	9018.4	8701.2	8773.5
55°	5962.7	5966.8	6528.9	7588.9	8994.3	10584.4	10612.5	9990.1	9122.8	8926.0	8930.1
57.5°	2397.1	2517.6	2947.2	4011.3	5308.2	7267.7	8641.0	9267.3	9134.8	9086.7	9211.1
60°	606.3	610.3	742.8	1132.3	1867.1	3115.9	4525.3	6123.4	7050.9	7368.1	7412.3
62.5°	309.2	313.2	345.3	401.5	509.9	835.2	1485.7	2357.0	3352.8	3858.7	3991.2
65°	253.0	253.0	273.0	301.1	305.2	321.2	385.5	550.1	799.0	907.5	919.5
67.5°	192.7	192.7	208.8	224.9	232.9	228.9	220.8	228.9	277.1	265.0	257.0
70°	120.5	124.5	132.5	148.6	156.6	160.6	164.6	172.7	196.8	204.8	196.8
72.5°	72.3	72.3	76.3	88.3	100.4	108.4	120.5	128.5	140.5	160.6	156.6
75°	32.1	32.1	40.2	52.2	64.2	76.3	88.3	100.4	108.4	120.5	124.5
77.5°	8.0	12.0	20.1	36.1	48.2	64.2	80.3	92.4	100.4	100.4	96.4
80°	4.0	4.0	16.1	28.1	52.2	68.3	88.3	96.4	108.4	100.4	88.3
82.5°	4.0	4.0	16.1	28.1	48.2	68.3	92.4	104.4	112.4	100.4	84.3
85°	0.0	4.0	12.0	24.1	40.2	48.2	40.2	28.1	16.1	16.1	12.0
87.5°	0.0	0.0	4.0	4.0	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)