

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: P530848

Luminaire Tested: **GALN-SA6A-760-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-760-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23936 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

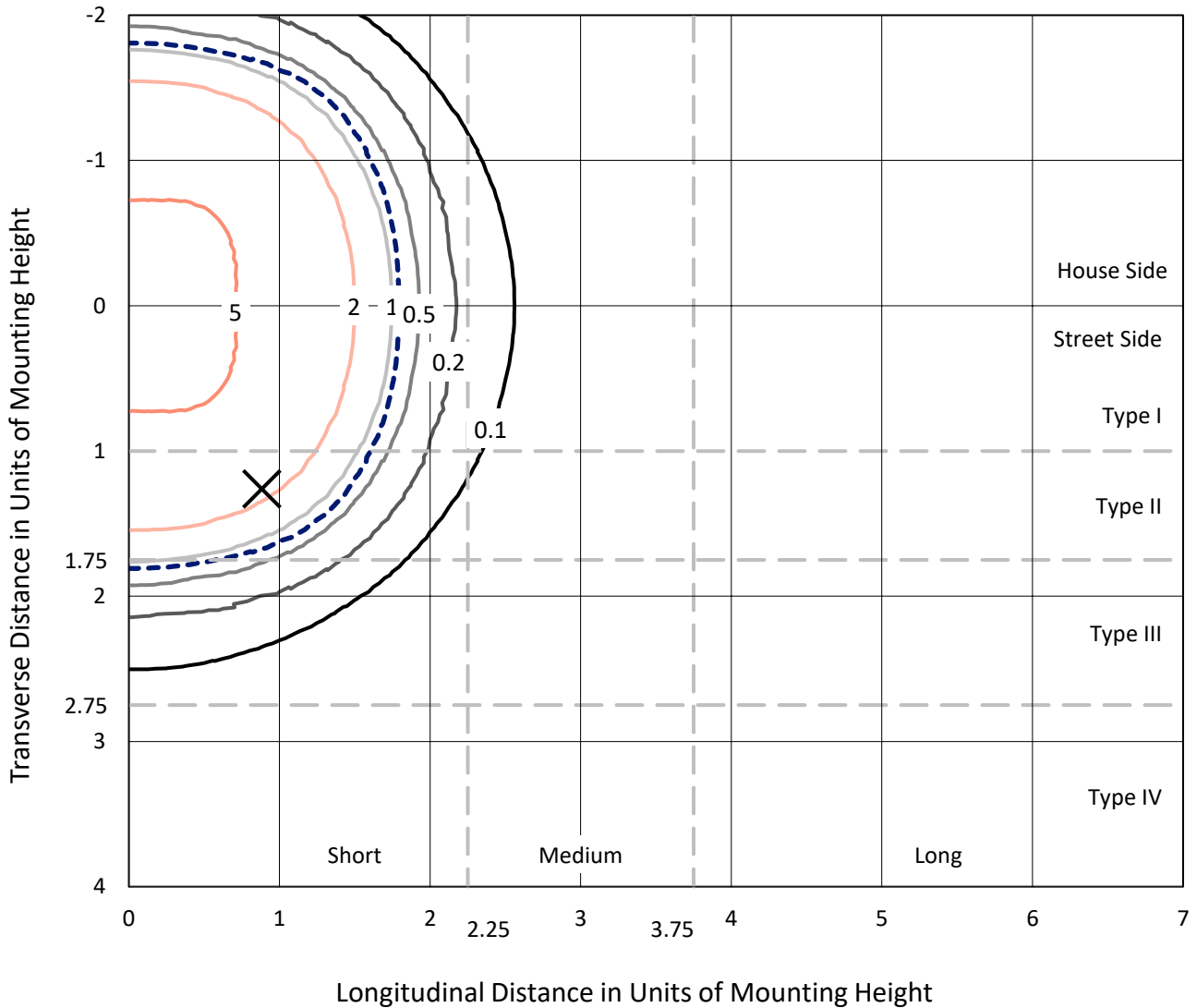
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

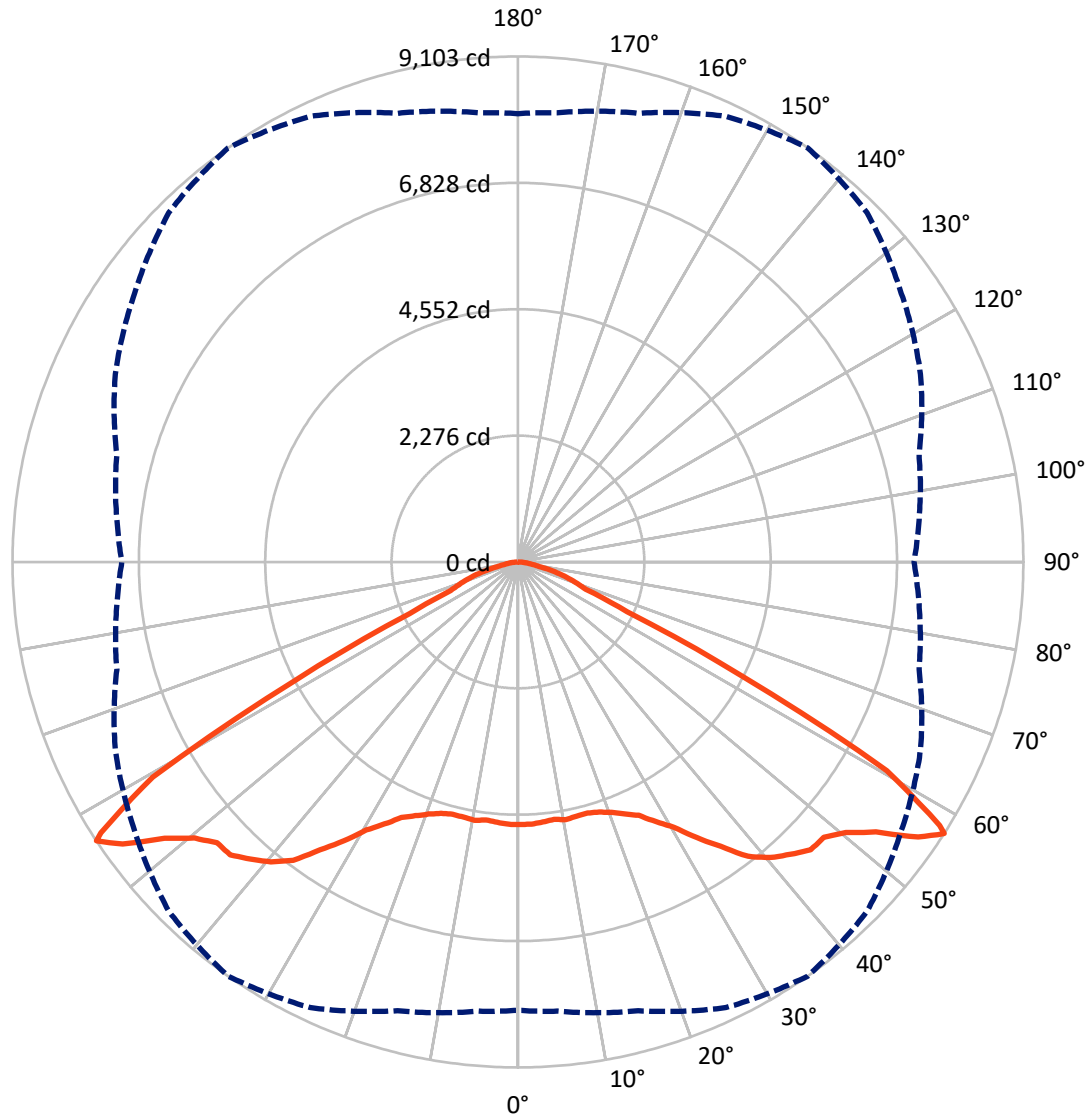
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11968.0	0.0	11968.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11968.0	0.0	11968.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23936.0	0.0	23936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.1	1.9
10°-20°	1327.3	5.5
20°-30°	2318.1	9.7
30°-40°	3798.3	15.9
40°-50°	5569.2	23.3
50°-60°	7014.9	29.3
60°-70°	2638.2	11.0
70°-80°	701.5	2.9
80°-90°	120.3	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°	23936.0	100.0
0°-180°	23936.0	100.0

Coefficient of Utilization



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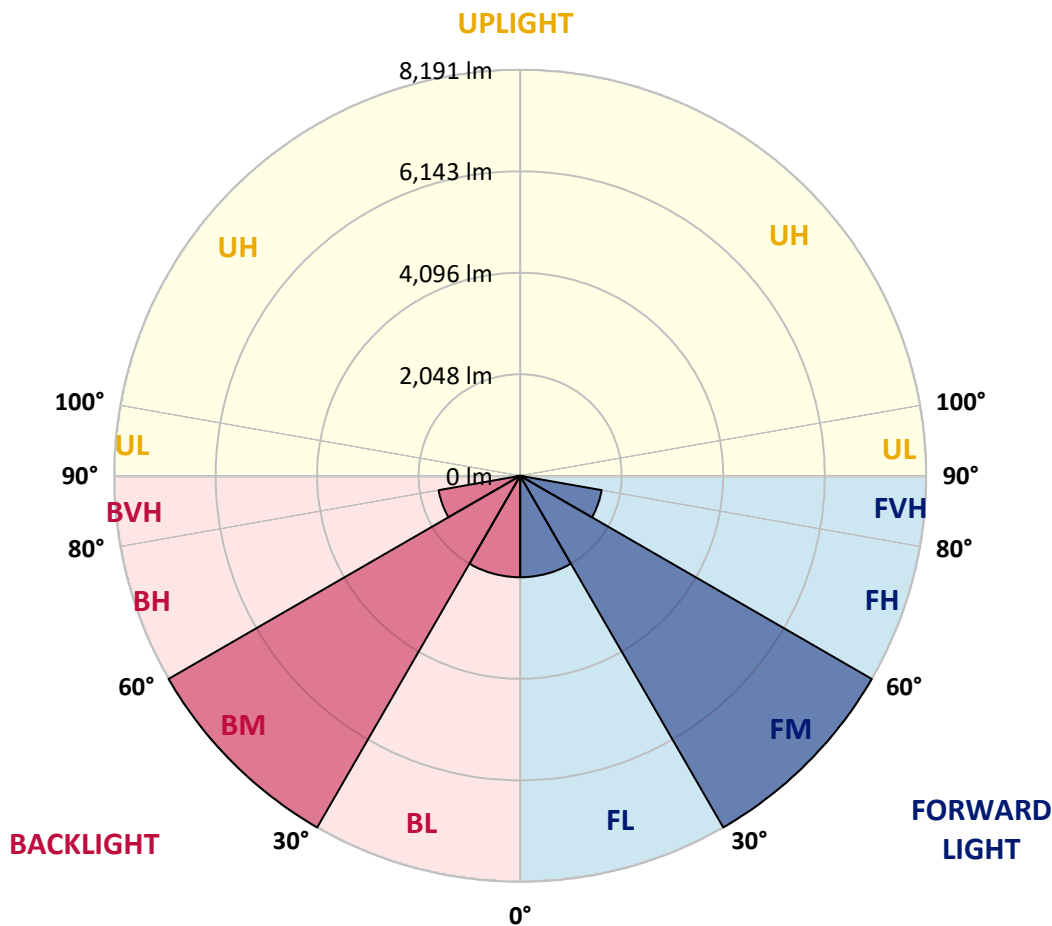
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2046.8	8.6			
FM (30°-60°)	8191.2	34.2			
FH (60°-80°)	1669.9	7.0			G1/1800
FVH (80°-90°)	60.1	0.3			G1/100
BL (0°-30°)	2046.8	8.6	B3/2500		
BM (30°-60°)	8191.2	34.2	B4/8500		
BH (60°-80°)	1669.9	7.0	B3/2500		G1/1800
BVH (80°-90°)	60.1	0.3			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°	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2	4727.2
2.5°	4703.6	4750.8	4730.1	4718.3	4727.2	4712.4	4688.8	4715.4	4709.5	4685.9	4677.1
5°	4691.8	4727.2	4703.6	4727.2	4703.6	4744.9	4733.1	4688.8	4741.9	4691.8	4709.5
7.5°	4682.9	4694.7	4700.6	4688.8	4680.0	4730.1	4703.6	4682.9	4653.5	4644.6	4659.4
10°	4662.3	4691.8	4647.6	4706.5	4718.3	4682.9	4682.9	4644.6	4621.0	4606.3	4656.4
12.5°	4715.4	4665.3	4659.4	4688.8	4697.7	4712.4	4671.2	4650.5	4606.3	4612.2	4603.3
15°	4653.5	4674.1	4677.1	4682.9	4691.8	4727.2	4688.8	4644.6	4626.9	4565.0	4570.9
17.5°	4677.1	4656.4	4677.1	4744.9	4733.1	4759.6	4718.3	4650.5	4609.2	4573.8	4621.0
20°	4718.3	4709.5	4718.3	4800.9	4815.7	4839.2	4803.9	4741.9	4662.3	4621.0	4644.6
22.5°	4762.6	4756.7	4762.6	4842.2	4927.7	4957.2	4921.8	4777.3	4736.0	4659.4	4632.8
25°	4842.2	4848.1	4910.0	4998.5	5054.5	5110.5	5045.7	4942.5	4809.8	4762.6	4706.5
27.5°	5019.1	5033.9	5069.3	5199.0	5296.3	5346.5	5255.0	5113.5	5030.9	4933.6	4918.9
30°	5237.4	5237.4	5299.3	5411.3	5544.0	5620.7	5508.7	5340.6	5240.3	5187.2	5154.8
32.5°	5526.4	5493.9	5517.5	5715.1	5921.5	5986.4	5836.0	5629.6	5470.3	5399.5	5376.0
35°	5774.1	5794.7	5847.8	6060.1	6290.1	6440.5	6204.6	5936.3	5774.1	5709.2	5697.4
37.5°	6095.5	6130.9	6157.4	6449.4	6726.6	6782.6	6555.5	6340.3	6142.7	6089.6	6060.1
40°	6549.6	6526.0	6534.9	6750.2	7000.8	7036.2	6812.1	6658.8	6496.6	6464.1	6464.1
42.5°	6924.2	6897.6	6927.1	7006.7	7198.4	7171.9	7048.0	6936.0	6868.1	6832.7	6868.1
45°	7151.2	7145.3	7198.4	7257.4	7393.0	7304.6	7207.3	7225.0	7160.1	7101.1	7098.1
47.5°	7398.9	7360.6	7425.5	7514.0	7410.7	7369.5	7363.6	7401.9	7381.2	7278.0	7245.6
50°	7519.8	7505.1	7608.3	7711.5	7655.5	7561.1	7581.8	7643.7	7378.3	7239.7	7160.1
52.5°	7844.2	7847.2	8044.8	8100.8	8077.2	7938.6	7982.8	7814.7	7502.2	7307.5	7316.4
55°	8354.4	8333.8	8554.9	8720.1	8746.6	8569.7	8357.4	8121.4	7729.2	7531.6	7472.7
57°	8074.3	8121.4	8366.2	8855.7	9103.4	8894.1	8431.1	8000.5	7478.6	7239.7	7133.5
57.5°	7699.7	7776.4	8201.1	8693.5	8953.0	8935.4	8339.7	7776.4	7310.5	6938.9	6947.8
60°	5641.4	5656.1	6039.5	6820.9	7631.9	7649.6	6924.2	6178.1	5659.1	5255.0	5311.1
62.5°	2975.5	3043.3	3196.7	3824.8	4526.7	4697.7	4258.3	3874.9	3426.7	3120.0	3149.5
65°	1574.7	1565.9	1639.6	1816.6	2161.6	2250.1	2191.1	1887.3	1731.0	1680.9	1683.9
67.5°	1279.8	1294.6	1285.7	1294.6	1318.2	1356.5	1347.7	1359.5	1368.3	1383.1	1380.1
70°	1085.2	1085.2	1091.1	1094.1	1094.1	1111.8	1132.4	1170.7	1173.7	1188.4	1194.3
72.5°	855.2	849.3	858.1	878.8	881.7	896.5	926.0	949.6	958.4	958.4	940.7
75°	580.9	586.8	598.6	616.3	634.0	660.6	684.2	698.9	704.8	696.0	687.1
77.5°	327.3	333.2	342.1	368.6	389.3	412.9	439.4	454.1	468.9	471.8	454.1
80°	194.6	194.6	209.4	230.0	253.6	277.2	300.8	318.5	324.4	324.4	315.5
82.5°	118.0	120.9	132.7	153.3	174.0	188.7	209.4	224.1	235.9	233.0	227.1
85°	61.9	61.9	73.7	91.4	106.2	120.9	120.9	112.1	106.2	91.4	85.5
87.5°	20.6	17.7	23.6	23.6	20.6	23.6	23.6	26.5	26.5	26.5	26.5
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)