

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: P648079

Luminaire Tested: **GALN-SA8A-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648079
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-SA8A-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 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: 25521.9 lumens
Efficiency: N/A
Efficacy: 104.6 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

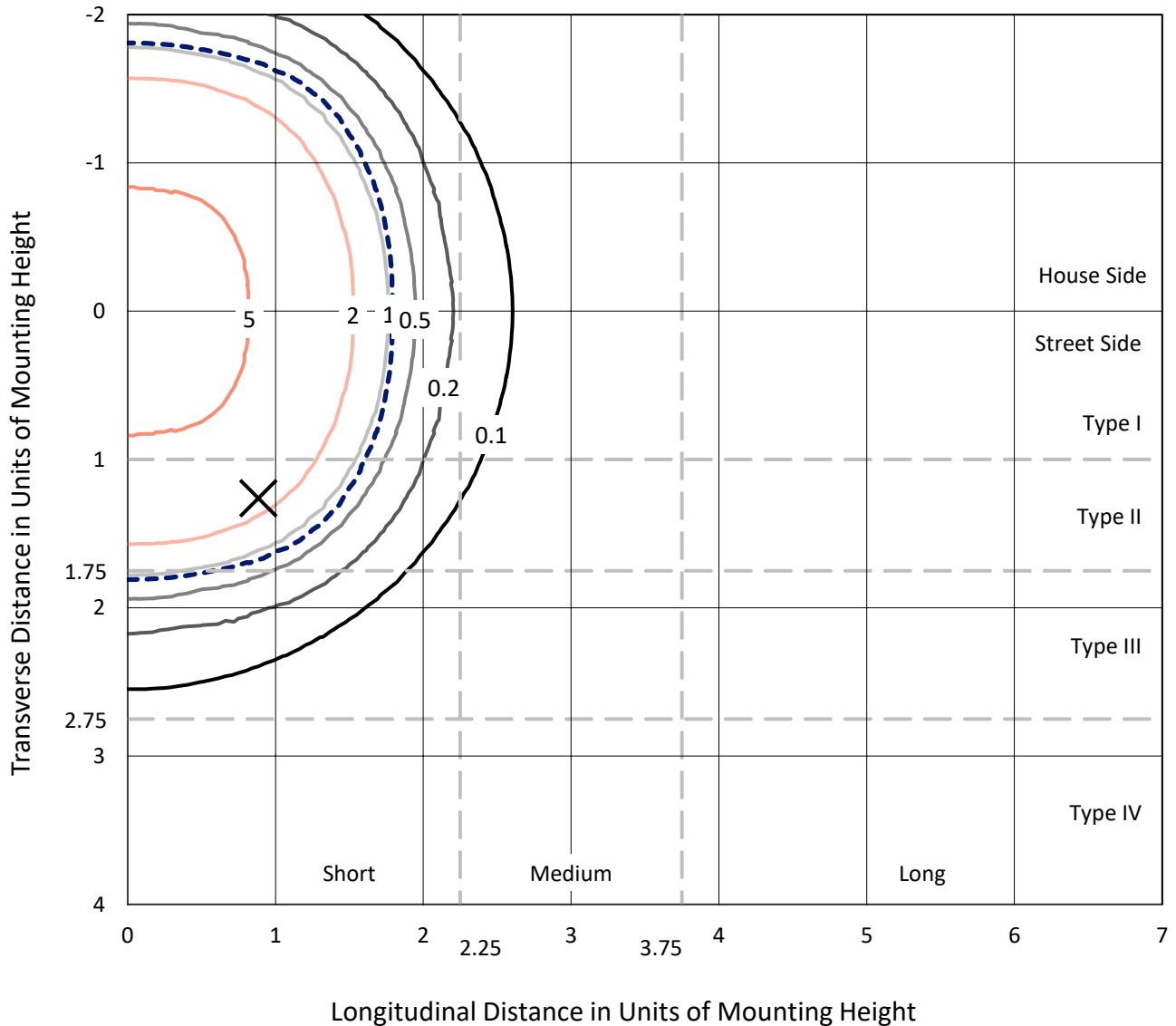




REPORT NUMBER: P648079
 CATALOG NUMBER: GALN-SA8A-835-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

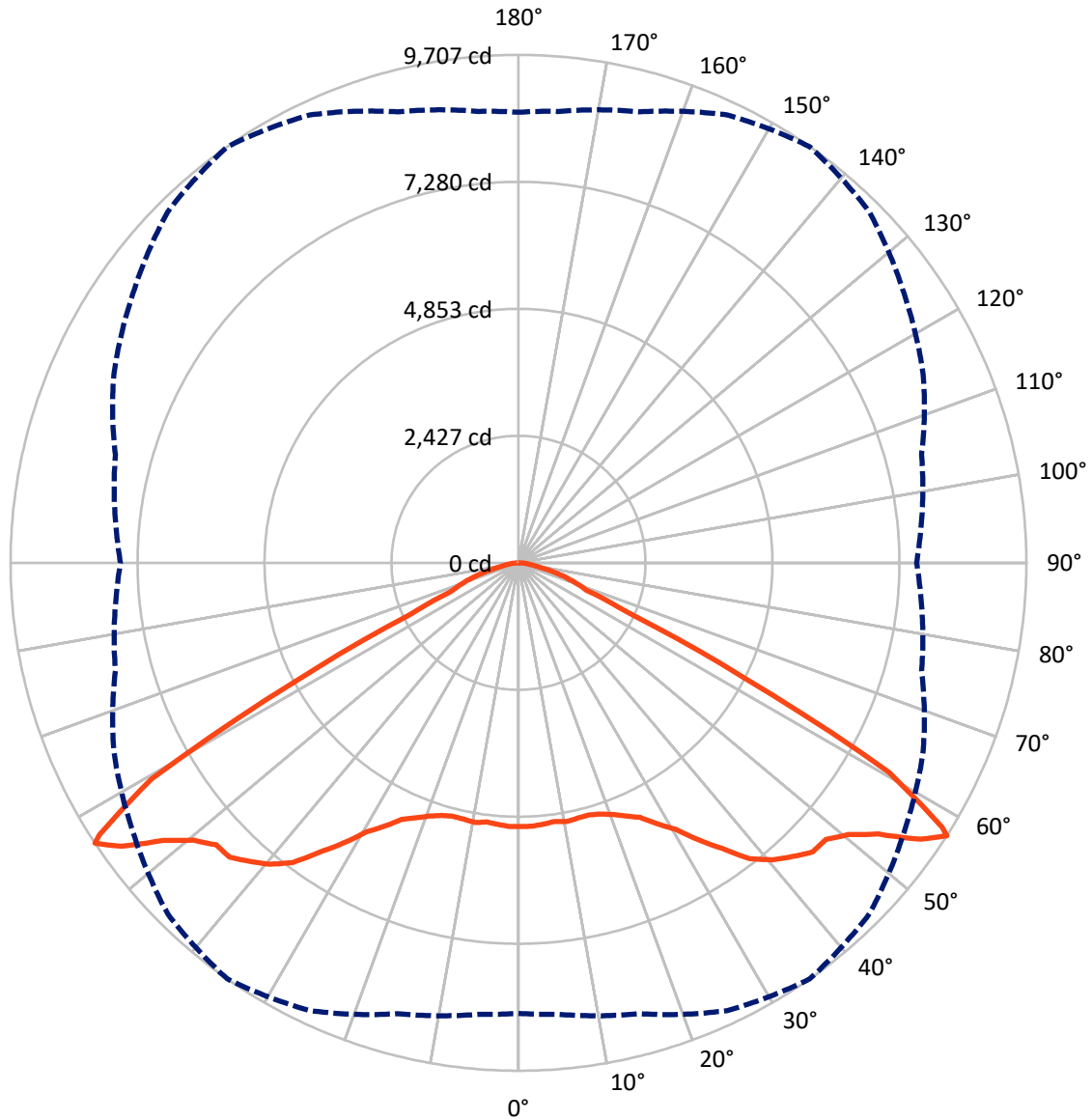
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

REPORT NUMBER: P648079
CATALOG NUMBER: GALN-SA8A-835-U-5MQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648079
 CATALOG NUMBER: GALN-SA8A-835-U-5MQ-GRSWH

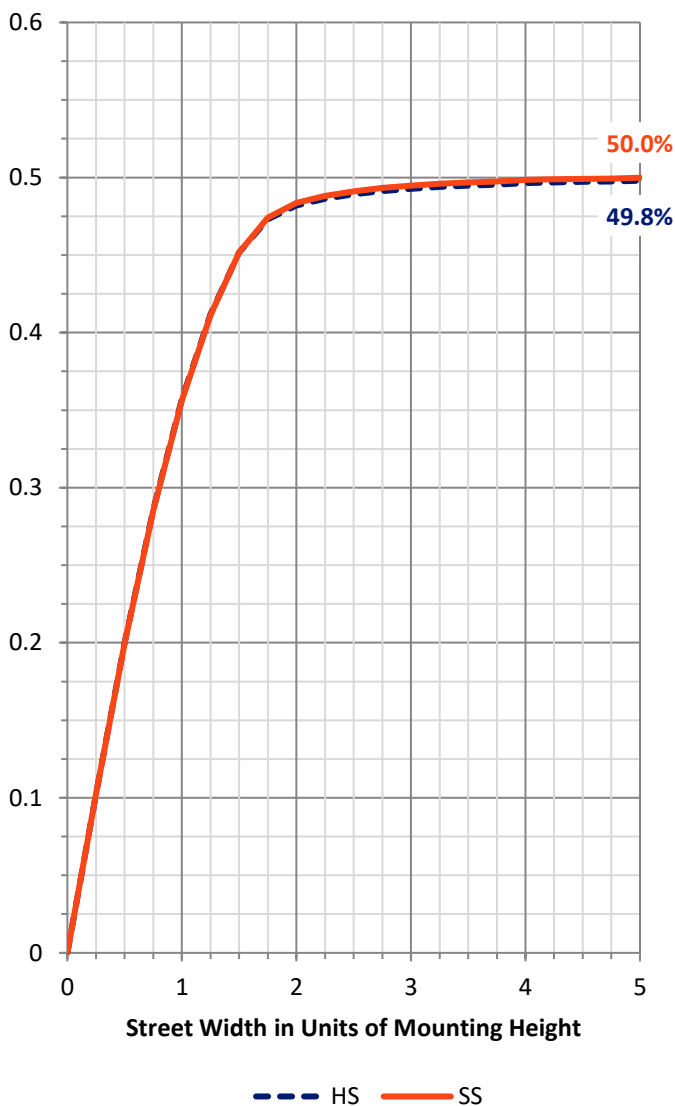
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12760.9	0.0	12760.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12760.9	0.0	12760.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	25521.9	0.0	25521.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.8	1.9
10°-20°	1415.2	5.5
20°-30°	2471.7	9.7
30°-40°	4050.0	15.9
40°-50°	5938.2	23.3
50°-60°	7479.7	29.3
60°-70°	2813.0	11.0
70°-80°	748.0	2.9
80°-90°	128.2	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°	25521.9	100.0
0°-180°	25521.9	100.0

Coefficient of Utilization

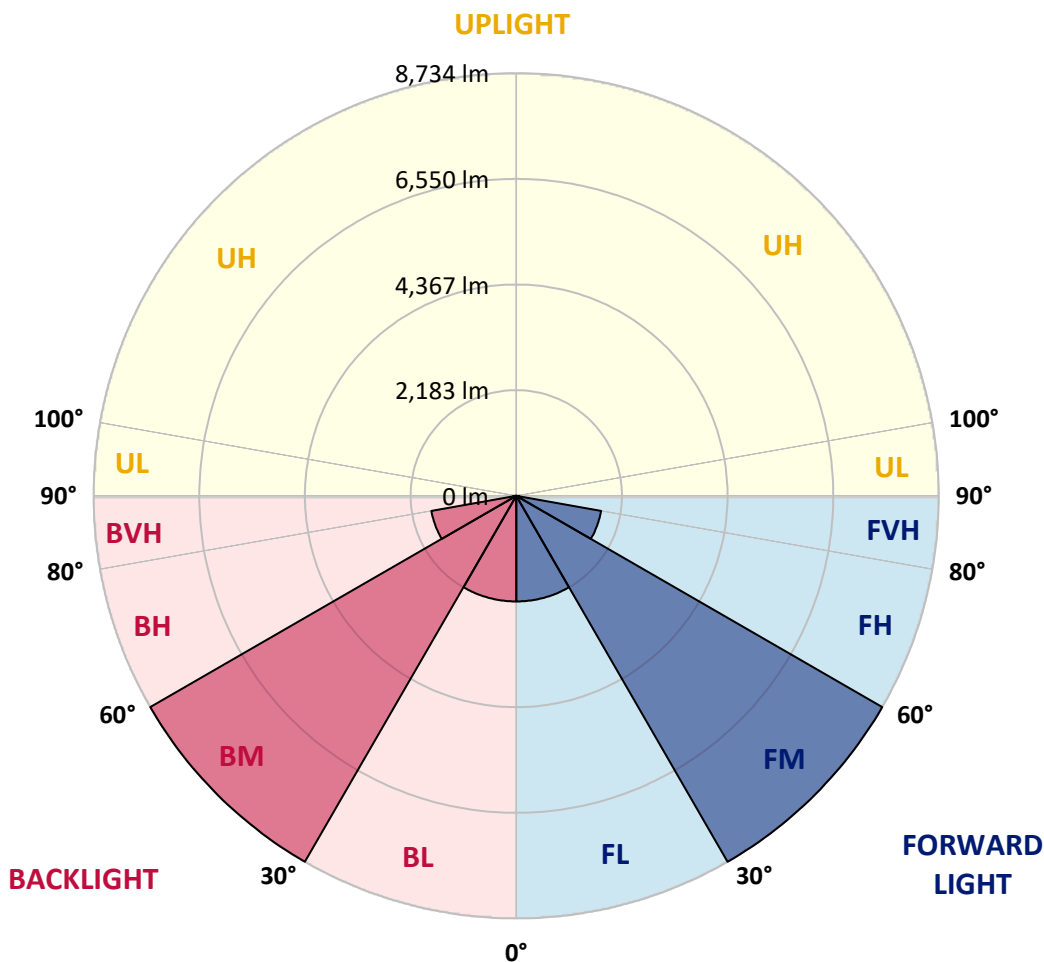


REPORT NUMBER: P648079
 CATALOG NUMBER: GALN-SA8A-835-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2182.4	8.6			
FM (30°-60°)	8733.9	34.2			
FH (60°-80°)	1780.5	7.0			G1/1800
FVH (80°-90°)	64.1	0.3			G1/100
BL (0°-30°)	2182.4	8.6	B3/2500		
BM (30°-60°)	8733.9	34.2	B5		
BH (60°-80°)	1780.5	7.0	B3/2500		G1/1800
BVH (80°-90°)	64.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P648079

CATALOG NUMBER: GALN-SA8A-835-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4	5040.4
2.5°	5015.2	5065.5	5043.5	5030.9	5040.4	5024.7	4999.5	5027.8	5021.5	4996.4	4986.9
5°	5002.7	5040.4	5015.2	5040.4	5015.2	5059.3	5046.7	4999.5	5056.1	5002.7	5021.5
7.5°	4993.2	5005.8	5012.1	4999.5	4999.5	5043.5	5015.2	4993.2	4961.8	4952.3	4968.1
10°	4971.2	5002.7	4955.5	5018.4	5030.9	4993.2	4993.2	4952.3	4927.2	4911.4	4964.9
12.5°	5027.8	4974.3	4968.1	4999.5	5008.9	5024.7	4980.7	4958.7	4911.4	4917.8	4908.3
15°	4961.8	4983.8	4986.9	4993.2	5002.7	5040.4	4999.5	4952.3	4933.4	4867.4	4873.7
17.5°	4986.9	4964.9	4986.9	5059.3	5046.7	5074.9	5030.9	4958.7	4914.6	4876.9	4927.2
20°	5030.9	5021.5	5030.9	5119.0	5134.7	5159.9	5122.2	5056.1	4971.2	4927.2	4952.3
22.5°	5078.1	5071.8	5078.1	5163.0	5254.2	5285.6	5247.9	5093.8	5049.8	4968.1	4939.8
25°	5163.0	5169.3	5235.3	5329.6	5389.4	5449.1	5380.0	5269.9	5128.4	5078.1	5018.4
27.5°	5351.6	5367.4	5405.1	5543.5	5647.2	5700.7	5603.2	5452.3	5364.3	5260.5	5244.8
30°	5584.4	5584.4	5650.4	5769.8	5911.3	5993.1	5873.7	5694.4	5587.5	5530.9	5496.3
32.5°	5892.5	5857.9	5883.1	6093.8	6313.9	6383.0	6222.7	6002.6	5832.7	5757.3	5732.1
35°	6156.7	6178.7	6235.3	6461.6	6706.9	6867.2	6615.7	6329.5	6156.7	6087.4	6074.9
37.5°	6499.4	6537.1	6565.4	6876.7	7172.3	7232.0	6989.8	6760.3	6549.6	6493.1	6461.6
40°	6983.6	6958.4	6967.8	7197.4	7464.7	7502.4	7263.4	7099.9	6927.0	6892.4	6892.4
42.5°	7382.9	7354.6	7386.0	7471.0	7675.4	7647.0	7515.0	7395.5	7323.2	7285.4	7323.2
45°	7625.0	7618.7	7675.4	7738.2	7882.9	7788.6	7684.8	7703.6	7634.5	7571.6	7568.4
47.5°	7889.2	7848.3	7917.5	8011.8	7901.7	7857.7	7851.5	7892.3	7870.3	7760.2	7725.6
50°	8018.1	8002.3	8112.4	8222.4	8162.7	8062.1	8084.1	8150.2	7867.1	7719.4	7634.5
52.5°	8363.9	8367.1	8577.8	8637.5	8612.4	8464.5	8511.8	8332.5	7999.2	7791.7	7801.1
55°	8908.0	8886.0	9121.7	9297.8	9326.2	9137.5	8911.1	8659.5	8241.3	8030.7	7967.8
57°	8609.2	8659.5	8920.5	9442.4	9706.6	9483.3	8989.7	8530.6	7974.1	7719.4	7606.1
57.5°	8209.9	8291.7	8744.4	9269.5	9546.3	9527.4	8892.2	8291.7	7794.8	7398.6	7408.0
60°	6015.2	6030.8	6439.6	7272.9	8137.6	8156.4	7382.9	6587.4	6034.0	5603.2	5663.0
62.5°	3172.6	3245.0	3408.5	4078.2	4826.6	5008.9	4540.5	4131.7	3653.7	3326.7	3358.1
65°	1679.1	1669.7	1748.3	1936.9	2304.8	2399.1	2336.2	2012.4	1845.8	1792.3	1795.4
67.5°	1364.6	1380.4	1371.0	1380.4	1405.5	1446.4	1437.0	1449.6	1459.0	1474.7	1471.6
70°	1157.1	1157.1	1163.4	1166.5	1166.5	1185.4	1207.5	1248.3	1251.5	1267.2	1273.5
72.5°	911.9	905.5	915.0	937.0	940.1	955.9	987.4	1012.5	1021.9	1021.9	1003.0
75°	619.4	625.7	638.3	657.2	676.0	704.3	729.5	745.2	751.5	742.0	732.7
77.5°	349.0	355.3	364.7	393.1	415.1	440.2	468.5	484.2	499.9	503.1	484.2
80°	207.5	207.5	223.2	245.2	270.4	295.6	320.7	339.6	345.9	345.9	336.5
82.5°	125.7	128.9	141.5	163.5	185.5	201.2	223.2	239.0	251.6	248.4	242.1
85°	66.0	66.0	78.6	97.5	113.2	128.9	128.9	119.5	113.2	97.5	91.2
87.5°	22.0	18.9	25.1	25.1	22.0	25.1	25.1	28.3	28.3	28.3	28.3
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)