

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: P651048

Luminaire Tested: **GALN-SA8C-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28653.7 lumens
Efficiency: N/A
Efficacy: 66.8 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

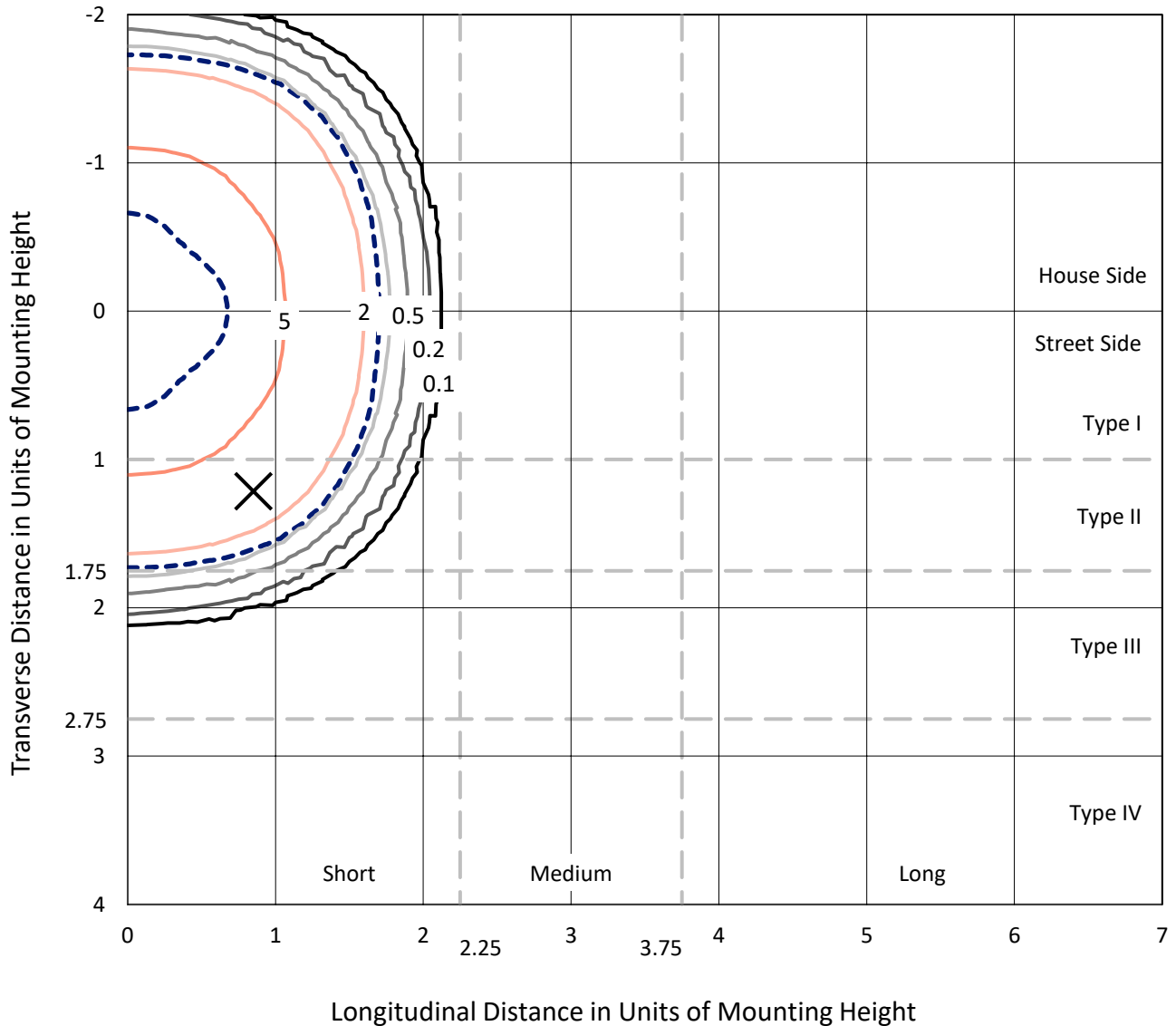
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651048
 CATALOG NUMBER: GALN-SA8C-840-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

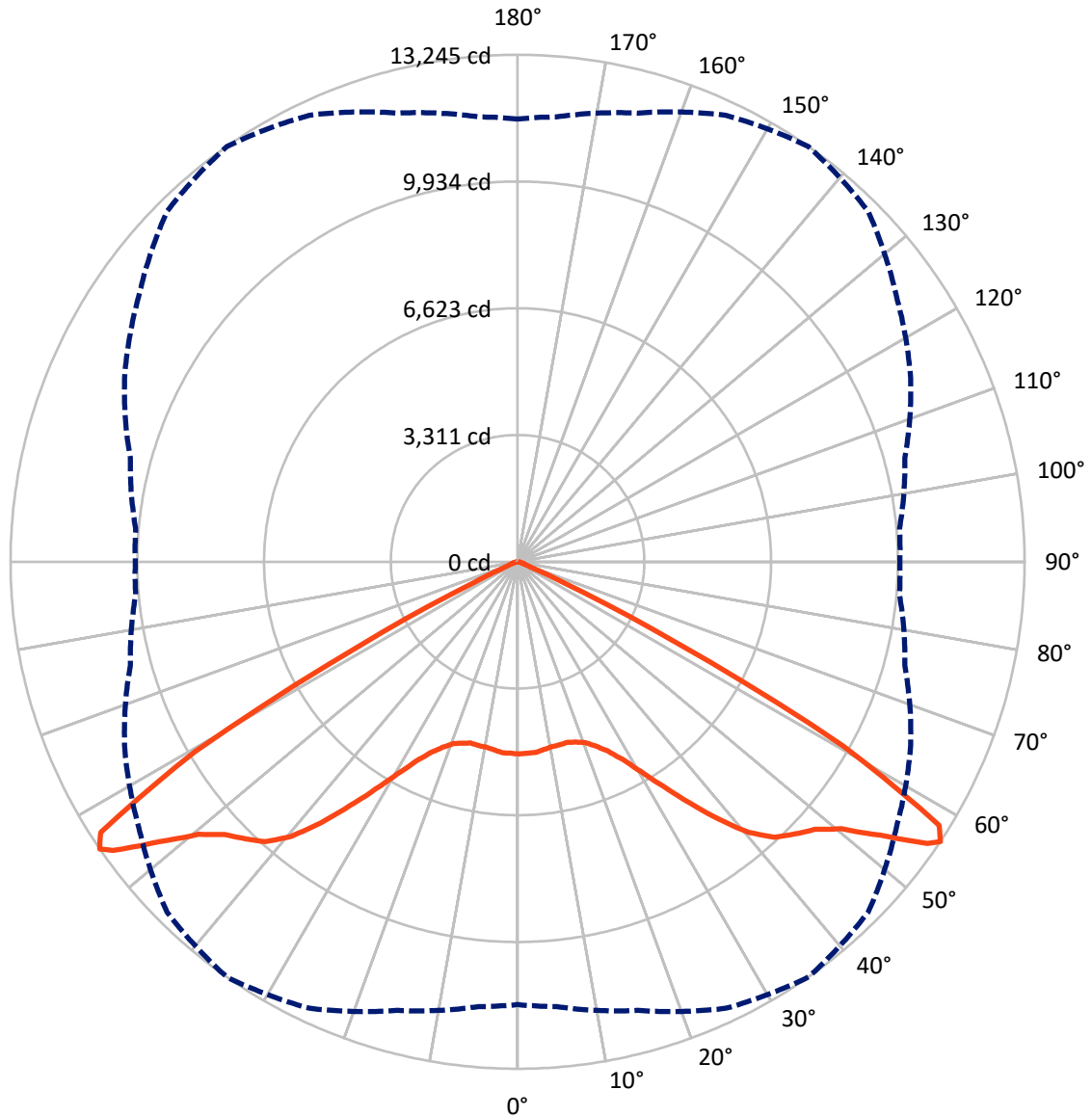
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

REPORT NUMBER: P651048
CATALOG NUMBER: GALN-SA8C-840-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P651048
 CATALOG NUMBER: GALN-SA8C-840-U-5MQ-GRSBK

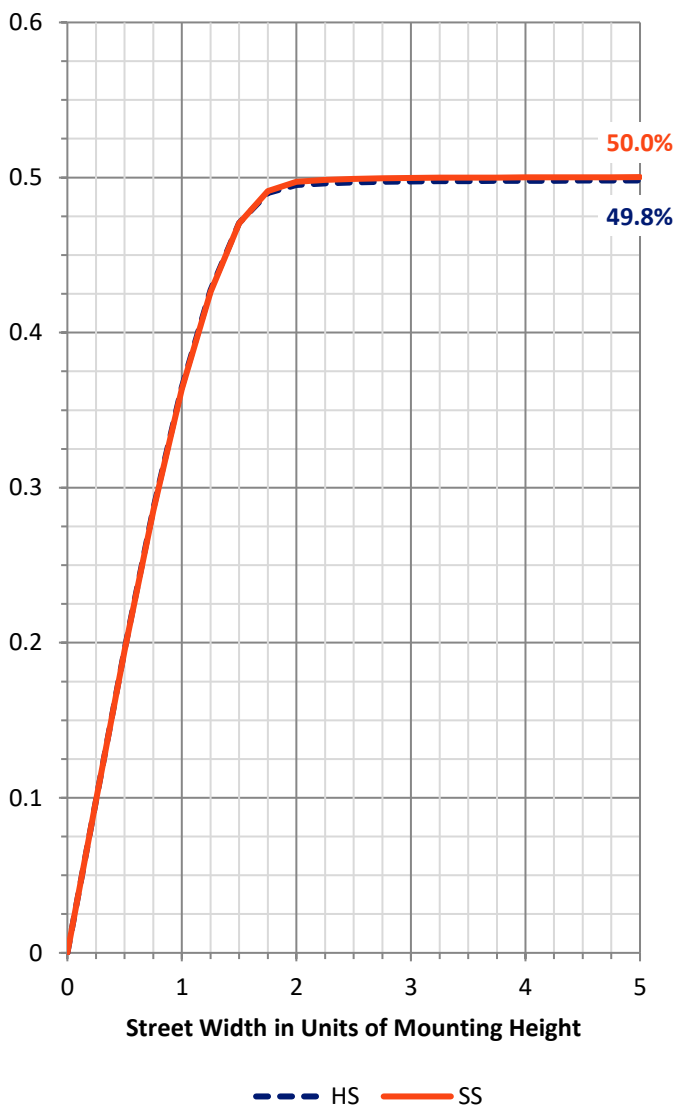
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14326.9	0.0	14326.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14326.9	0.0	14326.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	28653.7	0.0	28653.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.9	1.6
10°-20°	1377.6	4.8
20°-30°	2494.7	8.7
30°-40°	4626.1	16.1
40°-50°	7593.4	26.5
50°-60°	9782.6	34.1
60°-70°	2156.0	7.5
70°-80°	125.1	0.4
80°-90°	26.3	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°	28653.7	100.0
0°-180°	28653.7	100.0

Coefficient of Utilization

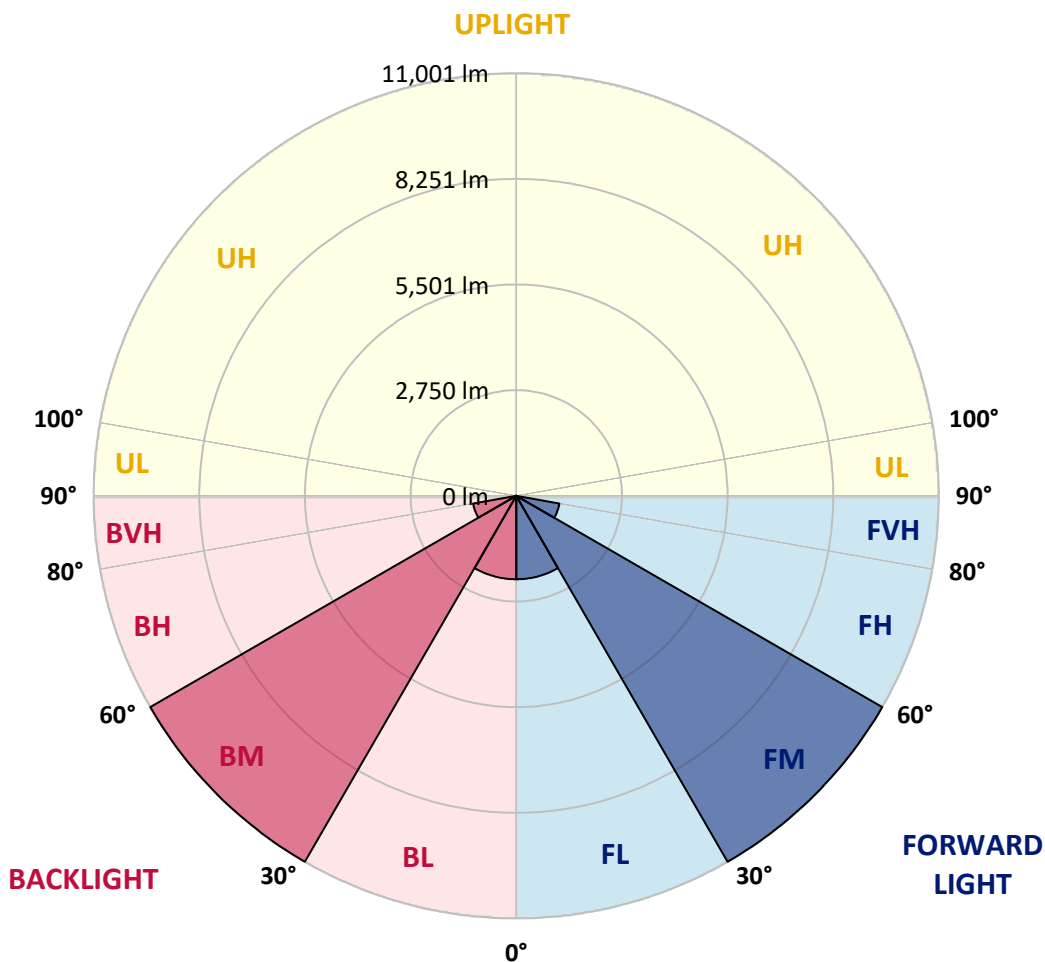


REPORT NUMBER: P651048
 CATALOG NUMBER: GALN-SA8C-840-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2172.1	7.6			
FM (30°-60°)	11001.1	38.4			
FH (60°-80°)	1140.5	4.0			G1/1800
FVH (80°-90°)	13.2	0.0			G1/100
BL (0°-30°)	2172.1	7.6	B3/2500		
BM (30°-60°)	11001.1	38.4	B5		
BH (60°-80°)	1140.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	13.2	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





REPORT NUMBER: P651048

CATALOG NUMBER: GALN-SA8C-840-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8	5020.8
2.5°	5031.1	5031.1	5036.3	5041.5	5005.2	4989.6	4994.8	4984.4	4979.2	4994.8	4994.8
5°	5015.6	5015.6	5000.0	5005.2	5005.2	4958.5	4958.5	4968.8	4968.8	4937.7	4927.3
7.5°	4974.0	4963.7	4942.9	4968.8	4953.2	4953.2	4916.9	4890.9	4880.6	4901.3	4880.6
10°	4885.8	4890.9	4911.7	4922.1	4911.7	4942.9	4880.6	4844.2	4807.9	4792.3	4792.3
12.5°	4844.2	4875.4	4844.2	4870.1	4906.6	4880.6	4844.2	4818.3	4766.4	4745.6	4745.6
15°	4839.0	4859.8	4870.1	4906.6	4890.9	4901.3	4828.6	4797.5	4719.6	4683.3	4667.7
17.5°	4833.8	4859.8	4875.4	4942.9	4953.2	4958.5	4901.3	4807.9	4740.4	4704.0	4667.7
20°	4890.9	4901.3	4932.5	5000.0	5041.5	5114.2	5010.3	4911.7	4766.4	4724.8	4709.2
22.5°	4963.7	5015.6	5046.7	5119.4	5228.4	5290.7	5155.8	5031.1	4880.6	4828.6	4766.4
25°	5197.3	5186.9	5238.8	5389.4	5477.7	5524.4	5415.4	5233.6	5036.3	4974.0	4984.4
27.5°	5488.0	5498.5	5545.1	5711.3	5841.1	5913.7	5784.0	5545.1	5353.0	5249.2	5238.8
30°	5867.1	5856.6	5908.6	6131.8	6365.5	6474.5	6246.1	5965.7	5778.8	5643.8	5675.0
32.5°	6266.9	6272.0	6417.4	6619.9	6999.0	7211.8	6843.1	6500.5	6220.1	6126.7	6079.9
35°	6858.8	6884.7	6999.0	7310.5	7731.0	8006.2	7601.2	7191.1	6869.1	6697.8	6718.6
37.5°	7590.9	7564.9	7757.0	8094.5	8535.8	8738.2	8395.6	7928.3	7601.2	7487.0	7559.7
40°	8369.6	8395.6	8494.3	8800.6	9293.8	9428.8	8920.0	8665.6	8380.1	8322.9	8411.2
42.5°	9148.5	9132.8	9205.6	9480.8	9839.0	9745.5	9444.4	9293.8	9091.4	8977.1	9096.5
45°	9719.6	9693.6	9828.6	10015.6	10145.3	9968.8	9833.8	9781.9	9678.1	9553.4	9662.5
47.5°	10275.2	10254.4	10384.2	10436.1	10446.5	10212.9	10238.8	10332.3	10072.7	9813.0	9937.7
50°	10747.6	10711.3	10872.2	10986.5	10960.5	10586.7	10680.1	10586.7	10181.7	9875.4	9828.6
52.5°	11536.8	11552.4	11723.7	11931.4	11869.1	11557.6	11422.5	10996.8	10477.6	10202.4	10041.5
55°	12035.2	11957.3	12253.3	12912.7	12985.4	12663.5	12066.4	11438.2	10659.3	10321.8	10280.3
56°	11568.0	11666.6	12133.9	12871.2	13245.0	12949.0	12082.0	11329.1	10472.5	10015.6	9984.4
57.5°	10378.9	10327.1	10960.5	11967.8	12985.4	12860.8	11656.3	10550.3	9553.4	9039.4	8977.1
60°	6459.0	6609.5	7165.1	8411.2	9771.5	9833.8	8639.6	7689.5	6526.4	6069.6	6178.6
62.5°	2528.6	2398.8	2746.6	3676.0	4610.5	4818.3	4366.6	3629.3	2980.3	2528.6	2497.4
65°	586.7	571.1	643.8	887.8	1240.9	1438.2	1365.5	981.3	721.7	685.3	633.4
67.5°	332.3	332.3	316.7	316.7	347.8	368.6	353.1	347.8	363.5	379.0	373.8
70°	233.6	228.4	218.1	223.3	212.9	212.9	228.4	254.4	275.2	275.2	280.4
72.5°	140.2	140.2	140.2	155.8	155.8	155.8	171.3	192.1	197.3	192.1	187.0
75°	62.3	62.3	72.7	88.3	98.6	103.9	119.4	129.8	140.2	129.8	119.4
77.5°	15.6	15.6	26.0	36.3	46.8	57.1	77.9	93.4	98.6	93.4	77.9
80°	5.2	5.2	10.3	26.0	46.8	57.1	77.9	83.1	88.3	77.9	62.3
82.5°	5.2	5.2	10.3	26.0	36.3	46.8	62.3	72.7	77.9	67.5	62.3
85°	0.0	5.2	10.3	20.8	31.1	41.5	41.5	31.1	26.0	15.6	20.8
87.5°	0.0	0.0	5.2	5.2	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)