

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: P647088

Luminaire Tested: **GALN-SA8C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647088
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-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 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: 26677.6 lumens
Efficiency: N/A
Efficacy: 62.2 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

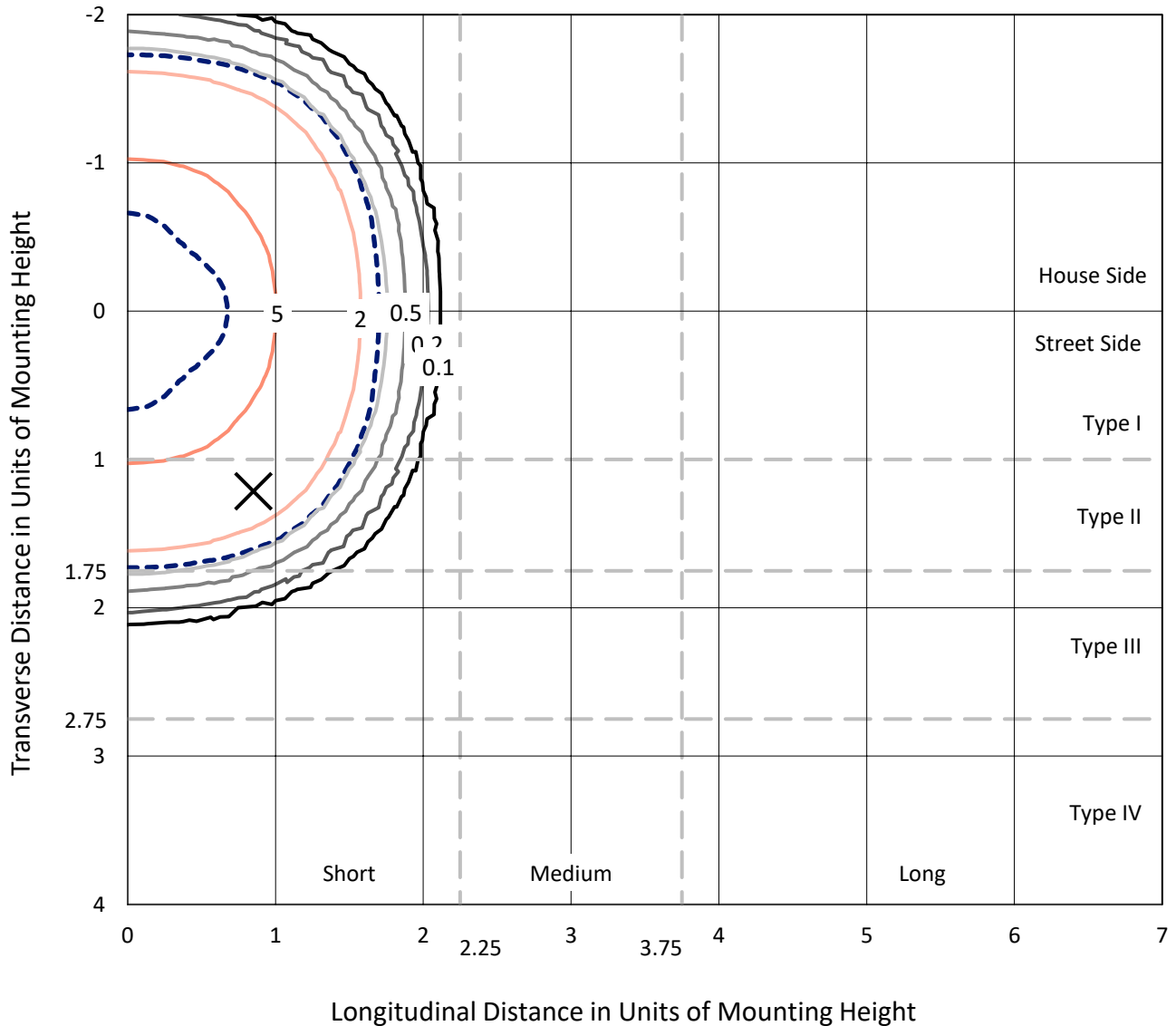
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647088
 CATALOG NUMBER: GALN-SA8C-835-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

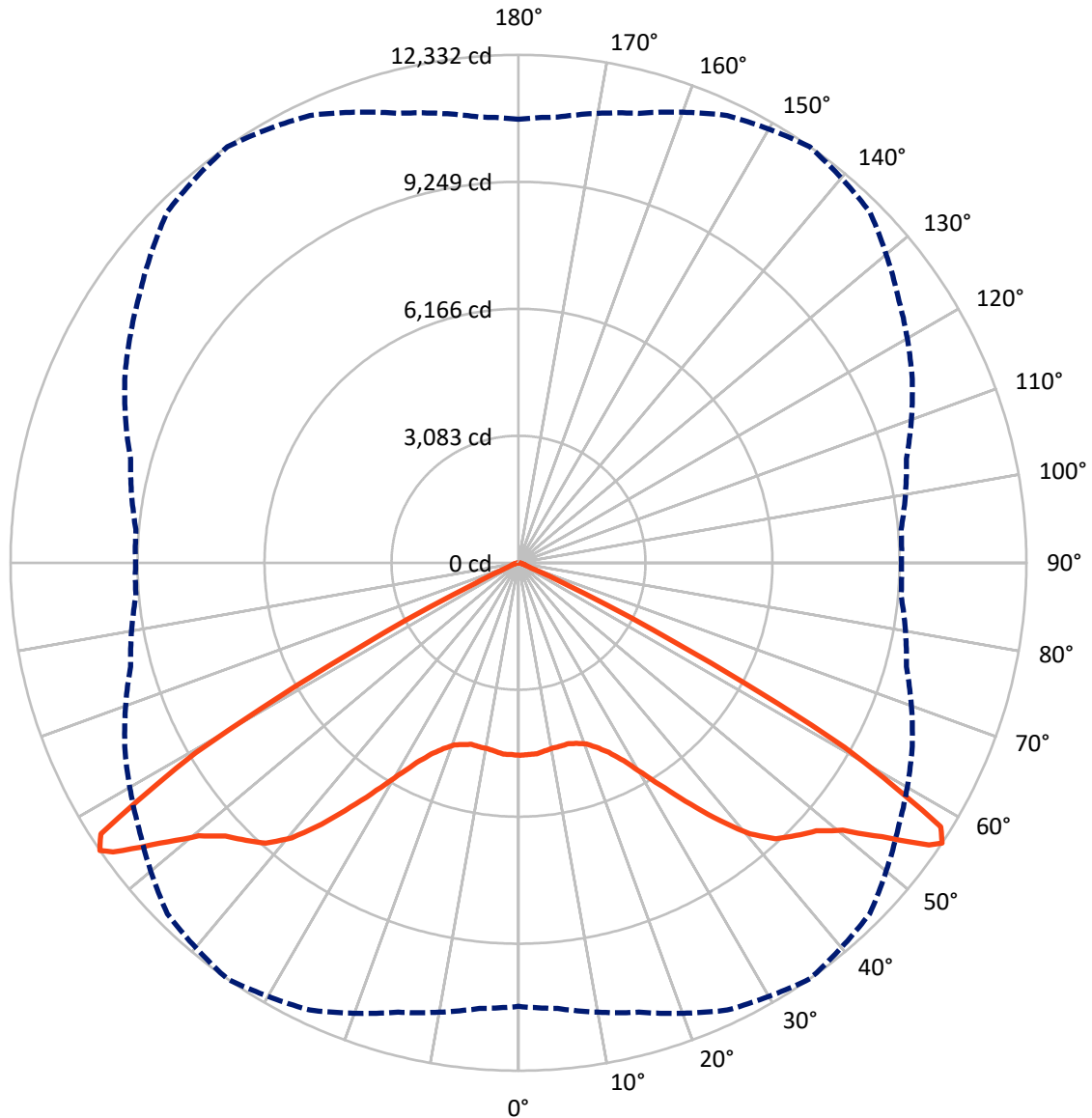
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

REPORT NUMBER: P647088
CATALOG NUMBER: GALN-SA8C-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647088
 CATALOG NUMBER: GALN-SA8C-835-U-5MQ-GRSBK

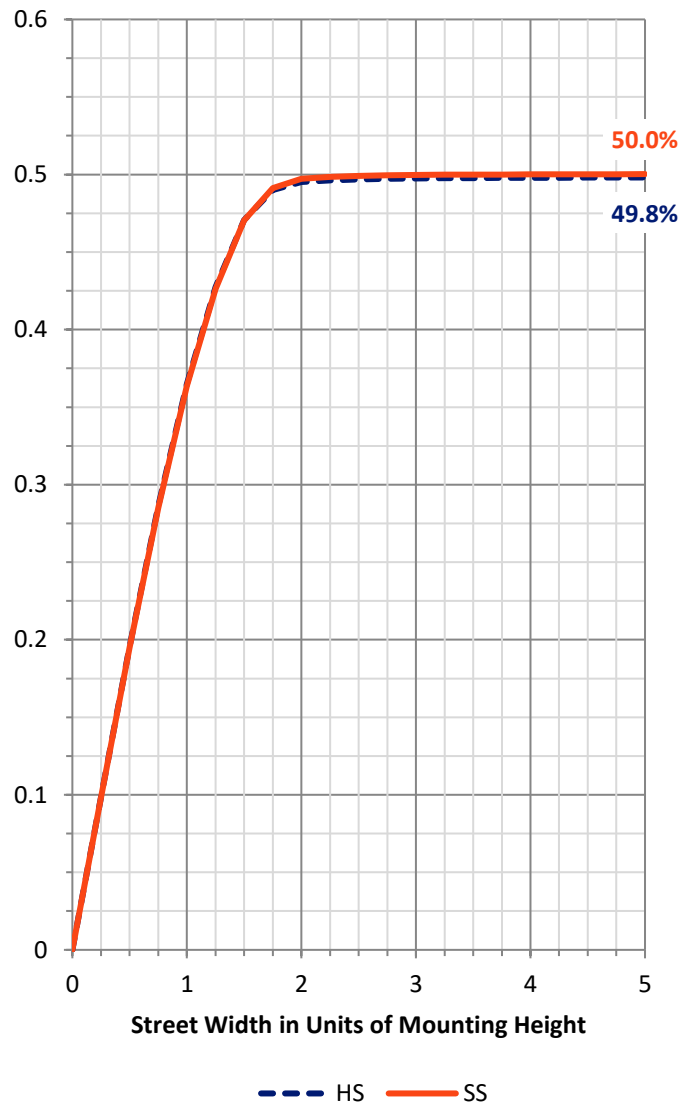
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13338.8	0.0	13338.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13338.8	0.0	13338.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	26677.6	0.0	26677.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.3	1.6
10°-20°	1282.6	4.8
20°-30°	2322.7	8.7
30°-40°	4307.1	16.1
40°-50°	7069.7	26.5
50°-60°	9107.9	34.1
60°-70°	2007.3	7.5
70°-80°	116.5	0.4
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°	26677.6	100.0
0°-180°	26677.6	100.0

Coefficient of Utilization



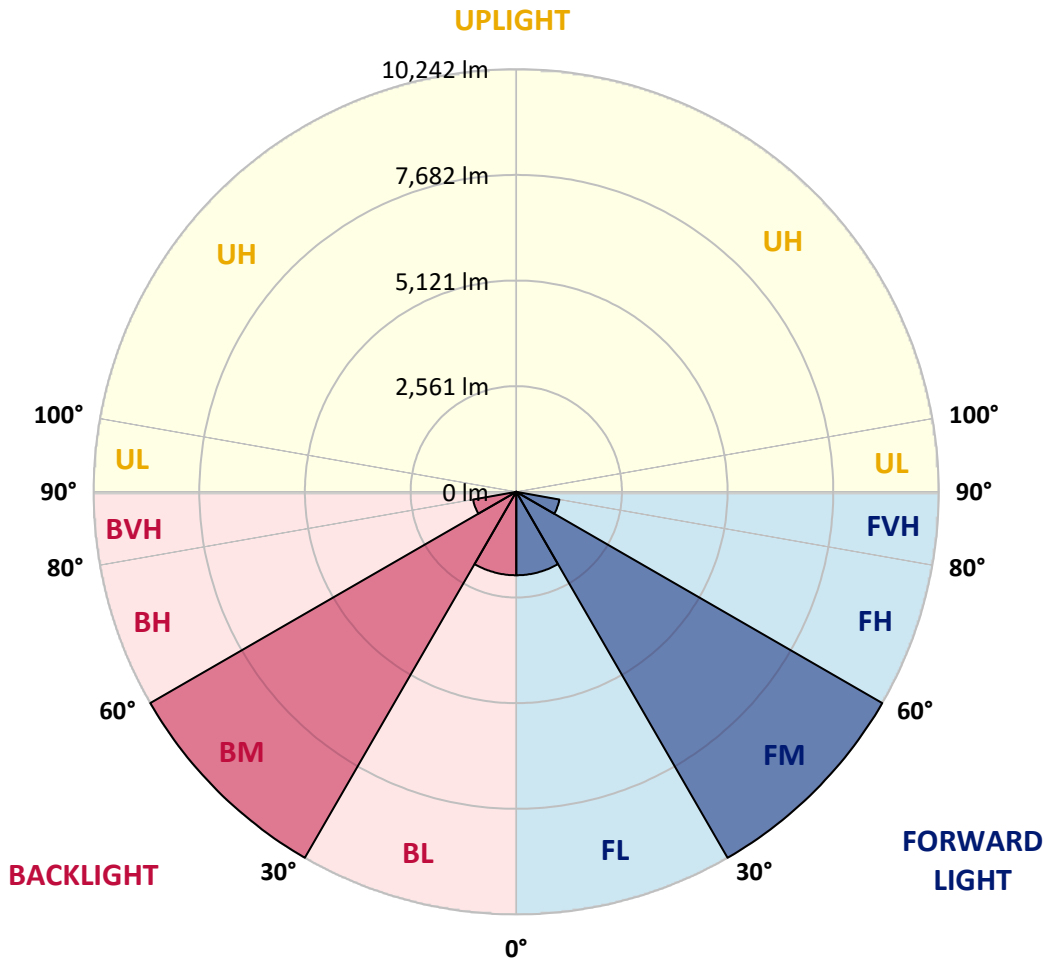
REPORT NUMBER: P647088
 CATALOG NUMBER: GALN-SA8C-835-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2022.3	7.6			
FM (30°-60°)	10242.4	38.4			
FH (60°-80°)	1061.9	4.0			G1/1800
FVH (80°-90°)	12.3	0.0			G1/100
BL (0°-30°)	2022.3	7.6	B3/2500		
BM (30°-60°)	10242.4	38.4	B5		
BH (60°-80°)	1061.9	4.0	B3/2500		G1/1800
BVH (80°-90°)	12.3	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: P647088

CATALOG NUMBER: GALN-SA8C-835-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5	4674.5
2.5°	4684.1	4684.1	4689.0	4693.9	4660.0	4645.5	4650.3	4640.7	4635.8	4650.3	4650.3
5°	4669.7	4669.7	4655.2	4660.0	4660.0	4616.5	4616.5	4626.1	4626.1	4597.1	4587.4
7.5°	4631.0	4621.3	4602.0	4626.1	4611.6	4611.6	4577.8	4553.6	4544.0	4563.3	4544.0
10°	4548.8	4553.6	4573.0	4582.7	4573.0	4602.0	4544.0	4510.2	4476.3	4461.8	4461.8
12.5°	4510.2	4539.1	4510.2	4534.3	4568.2	4544.0	4510.2	4486.0	4437.7	4418.3	4418.3
15°	4505.3	4524.6	4534.3	4568.2	4553.6	4563.3	4495.6	4466.6	4394.1	4360.3	4345.8
17.5°	4500.4	4524.6	4539.1	4602.0	4611.6	4616.5	4563.3	4476.3	4413.5	4379.6	4345.8
20°	4553.6	4563.3	4592.3	4655.2	4693.9	4761.5	4664.8	4573.0	4437.7	4399.0	4384.4
22.5°	4621.3	4669.7	4698.6	4766.4	4867.8	4925.9	4800.2	4684.1	4544.0	4495.6	4437.7
25°	4838.9	4829.2	4877.5	5017.7	5099.9	5143.4	5041.9	4872.7	4689.0	4631.0	4640.7
27.5°	5109.5	5119.3	5162.7	5317.4	5438.2	5505.9	5385.1	5162.7	4983.9	4887.2	4877.5
30°	5462.4	5452.7	5501.1	5708.9	5926.5	6028.0	5815.3	5554.3	5380.2	5254.6	5283.6
32.5°	5834.7	5839.5	5974.8	6163.4	6516.3	6714.5	6371.2	6052.2	5791.1	5704.2	5660.6
35°	6385.8	6409.9	6516.3	6806.3	7197.8	7454.1	7077.0	6695.1	6395.4	6235.9	6255.2
37.5°	7067.4	7043.2	7222.0	7536.2	7947.1	8135.6	7816.6	7381.5	7077.0	6970.7	7038.3
40°	7792.4	7816.6	7908.5	8193.6	8652.9	8778.5	8304.8	8068.0	7802.1	7748.9	7831.1
42.5°	8517.6	8503.0	8570.7	8826.9	9160.5	9073.4	8793.1	8652.9	8464.4	8358.0	8469.2
45°	9049.3	9025.1	9150.8	9324.8	9445.6	9281.3	9155.6	9107.3	9010.6	8894.6	8996.1
47.5°	9566.5	9547.2	9668.0	9716.3	9726.0	9508.5	9532.6	9619.7	9378.0	9136.3	9252.3
50°	10006.4	9972.6	10122.4	10228.8	10204.6	9856.6	9943.6	9856.6	9479.5	9194.3	9150.8
52.5°	10741.2	10755.7	10915.2	11108.6	11050.6	10760.5	10634.8	10238.4	9755.0	9498.8	9348.9
55°	11205.2	11132.7	11408.2	12022.2	12089.8	11790.2	11234.2	10649.3	9924.2	9610.0	9571.3
56°	10770.2	10862.0	11297.0	11983.5	12331.5	12056.0	11248.7	10547.8	9750.2	9324.8	9295.8
57.5°	9663.2	9614.8	10204.6	11142.4	12089.8	11973.9	10852.4	9822.7	8894.6	8416.0	8358.0
60°	6013.5	6153.7	6670.9	7831.1	9097.6	9155.6	8043.8	7159.2	6076.3	5651.0	5752.5
62.5°	2354.2	2233.4	2557.2	3422.5	4292.6	4486.0	4065.4	3379.0	2774.7	2354.2	2325.2
65°	546.2	531.7	599.4	826.6	1155.3	1339.0	1271.4	913.6	671.9	638.1	589.8
67.5°	309.4	309.4	294.9	294.9	323.8	343.2	328.7	323.8	338.4	352.9	348.0
70°	217.5	212.7	203.0	207.9	198.2	198.2	212.7	236.9	256.2	256.2	261.1
72.5°	130.5	130.5	130.5	145.0	145.0	145.0	159.5	178.8	183.7	178.8	174.1
75°	58.0	58.0	67.7	82.2	91.8	96.7	111.2	120.8	130.5	120.8	111.2
77.5°	14.5	14.5	24.2	33.8	43.5	53.2	72.5	87.0	91.8	87.0	72.5
80°	4.9	4.9	9.6	24.2	43.5	53.2	72.5	77.4	82.2	72.5	58.0
82.5°	4.9	4.9	9.6	24.2	33.8	43.5	58.0	67.7	72.5	62.9	58.0
85°	0.0	4.9	9.6	19.3	29.0	38.7	38.7	29.0	24.2	14.5	19.3
87.5°	0.0	0.0	4.9	4.9	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)