

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: P648147

Luminaire Tested: **GALN-SA9A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9A-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28444 lumens
Efficiency: N/A
Efficacy: 103.8 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

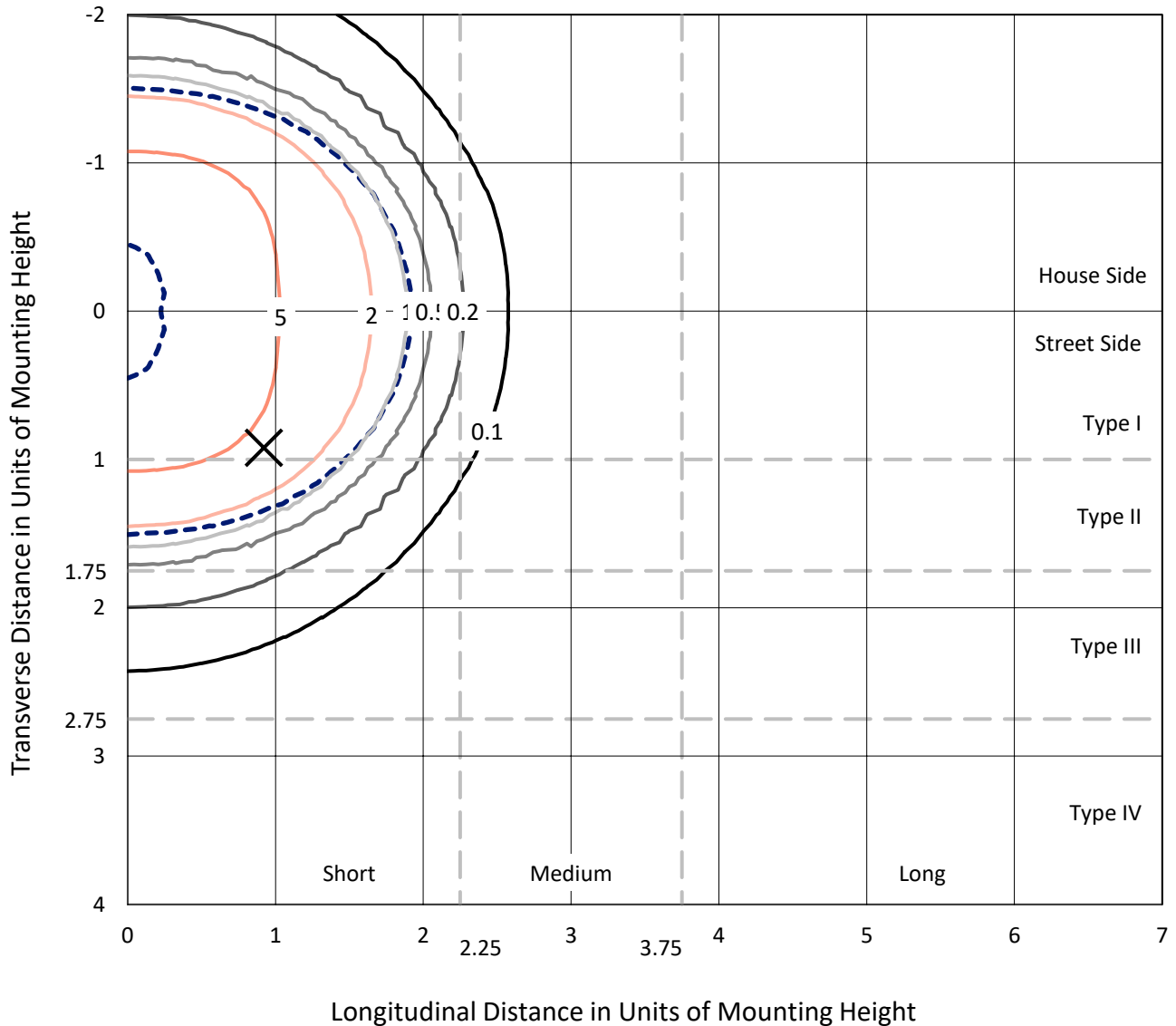
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648147
 CATALOG NUMBER: GALN-SA9A-835-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

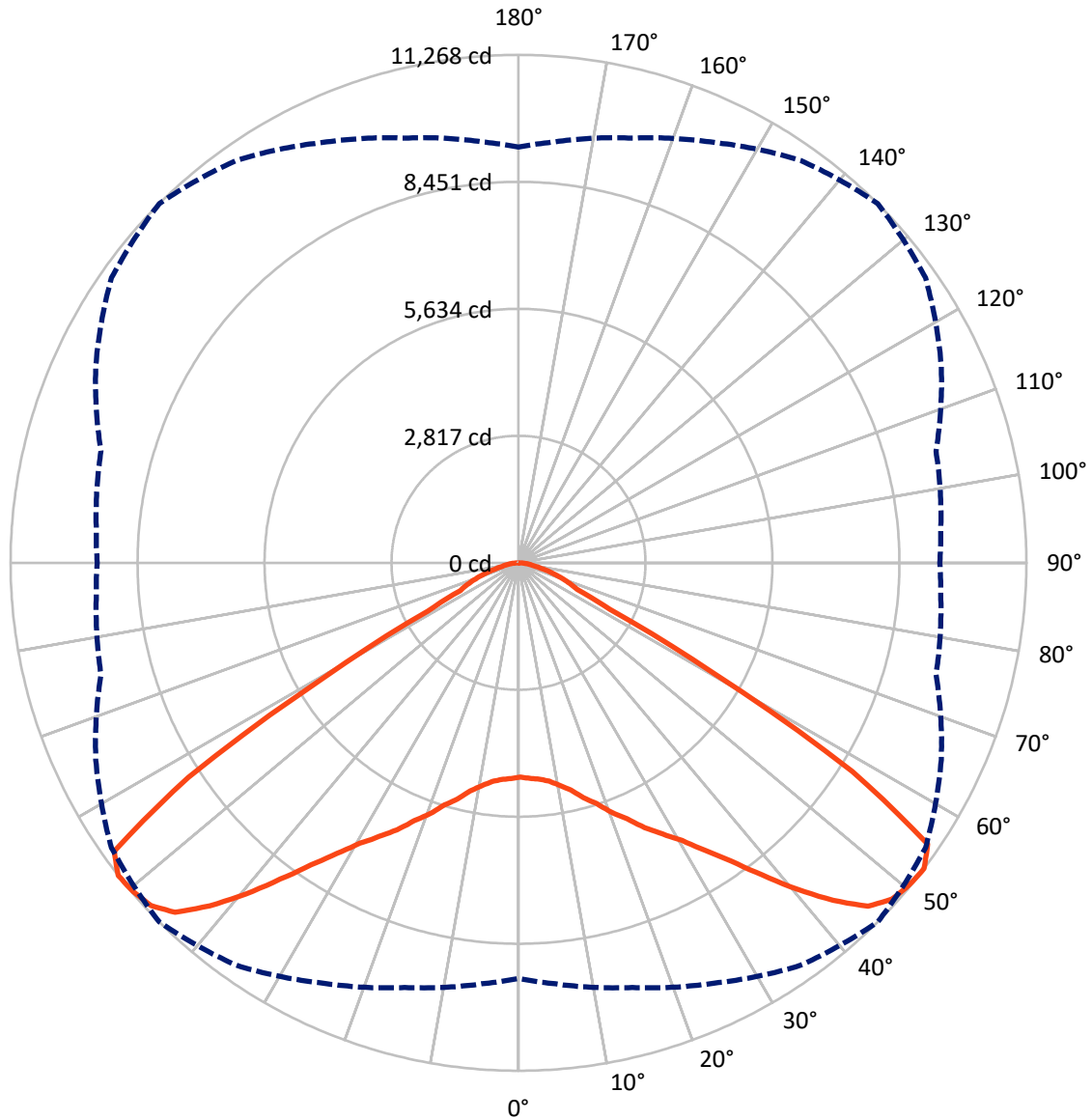
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

REPORT NUMBER: P648147
CATALOG NUMBER: GALN-SA9A-835-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P648147
 CATALOG NUMBER: GALN-SA9A-835-U-RW-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14222.0	0.0	14222.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14222.0	0.0	14222.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28444.0	0.0	28444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.1	1.6
10°-20°	1535.0	5.4
20°-30°	2922.4	10.3
30°-40°	5018.0	17.6
40°-50°	7712.8	27.1
50°-60°	7832.3	27.5
60°-70°	2182.7	7.7
70°-80°	643.9	2.3
80°-90°	129.7	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°	28444.0	100.0
0°-180°	28444.0	100.0

Coefficient of Utilization



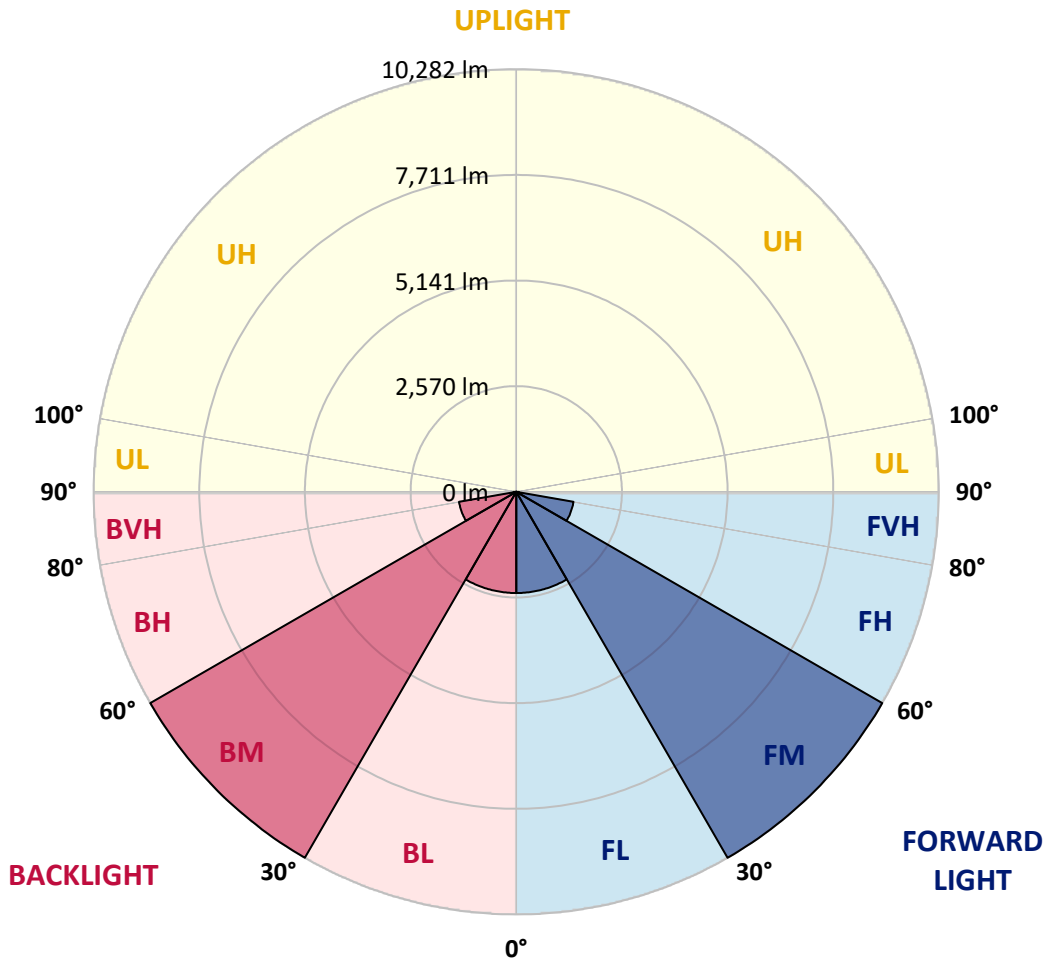
REPORT NUMBER: P648147
 CATALOG NUMBER: GALN-SA9A-835-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2462.3	8.7			
FM (30°-60°)	10281.6	36.1			
FH (60°-80°)	1413.3	5.0			G1/1800
FVH (80°-90°)	64.8	0.2			G1/100
BL (0°-30°)	2462.3	8.7	B3/2500		
BM (30°-60°)	10281.6	36.1	B5		
BH (60°-80°)	1413.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	64.8	0.2			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: P648147

CATALOG NUMBER: GALN-SA9A-835-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8	4754.8
2.5°	4765.4	4715.9	4733.6	4744.2	4790.1	4786.6	4776.0	4790.1	4804.3	4807.8	4800.7
5°	4761.9	4726.6	4740.7	4751.2	4797.1	4821.9	4814.8	4874.8	4917.2	4906.6	4959.5
7.5°	4733.6	4754.8	4737.2	4790.1	4828.9	4888.9	4952.5	5008.9	5061.9	5121.9	5132.5
10°	4797.1	4797.1	4828.9	4871.3	4973.6	5019.6	5111.3	5192.5	5294.9	5365.5	5337.2
12.5°	4864.2	4874.8	4874.8	4984.3	5069.0	5171.3	5256.0	5365.5	5510.2	5594.9	5637.3
15°	4931.3	4938.4	4973.6	5121.9	5249.0	5411.4	5489.0	5587.9	5669.1	5827.9	5831.4
17.5°	4991.3	5030.1	5136.0	5301.9	5460.8	5616.1	5739.6	5842.0	5912.6	5976.2	5962.0
20°	5217.2	5245.5	5354.9	5520.8	5757.3	5909.1	5951.4	5969.1	6015.0	6142.1	6103.3
22.5°	5436.1	5446.6	5549.0	5803.2	5969.1	6170.3	6216.2	6205.6	6223.2	6255.0	6311.5
25°	5662.0	5679.6	5820.8	6036.1	6269.2	6509.2	6548.0	6466.8	6442.1	6477.4	6480.9
27.5°	5951.4	5954.9	6135.0	6322.1	6586.8	6812.7	6872.8	6809.2	6692.7	6721.0	6766.8
30°	6318.6	6293.8	6473.8	6742.1	7021.0	7148.1	7250.4	7218.7	7091.6	7066.9	7028.1
32.5°	6742.1	6749.2	6911.5	7204.5	7388.1	7599.9	7709.3	7656.4	7575.2	7532.9	7557.5
35°	7338.7	7370.5	7479.9	7723.4	8020.0	8125.9	8298.9	8185.9	7974.1	8027.0	8072.9
37.5°	7829.4	7921.1	8125.9	8415.3	8591.8	8786.0	8849.5	8697.7	8542.4	8478.9	8630.6
40°	8581.2	8553.0	8778.9	9068.3	9329.6	9523.7	9442.5	9290.8	8906.0	8909.5	8951.9
42.5°	9227.2	9241.4	9414.3	9760.3	10116.8	10236.8	9979.1	9608.4	9181.3	9135.4	9227.2
45°	9770.8	9827.3	9926.1	10388.5	10738.0	10868.6	10392.1	9954.4	9382.5	9191.9	9343.7
47.5°	9964.9	10056.7	10272.0	10695.6	11041.6	11147.5	10766.2	10137.9	9569.6	9259.0	9340.2
50°	9993.2	9961.4	10314.4	10702.7	11006.2	11235.7	10900.4	10272.0	9523.7	9361.3	9336.6
52.5°	9220.1	9375.5	9753.1	10286.2	10900.4	11267.5	11020.4	10346.2	9587.3	9403.7	9343.7
55°	7462.2	7278.7	7967.0	8863.6	9993.2	11013.4	10978.1	10385.0	9626.0	9474.3	9393.1
57.5°	4165.3	4218.3	4606.5	5580.8	7038.6	8733.0	9760.3	9975.6	9608.4	9520.2	9562.5
60°	1927.4	1945.0	2110.9	2566.3	3469.9	4952.5	6304.4	7677.5	8309.4	8436.5	8436.5
62.5°	1436.6	1429.6	1472.0	1553.2	1743.7	2276.8	3039.3	4130.0	4998.4	5605.5	5764.4
65°	1299.0	1295.5	1316.7	1344.9	1359.1	1433.1	1602.6	1937.9	2220.4	2382.7	2354.5
67.5°	1136.6	1133.1	1140.1	1157.8	1182.5	1221.3	1263.7	1334.3	1433.1	1426.1	1408.5
70°	917.8	917.8	928.4	942.5	970.8	1016.6	1066.1	1115.5	1200.2	1217.8	1214.3
72.5°	677.8	667.1	688.3	716.6	744.8	801.3	854.3	900.1	960.1	977.8	970.8
75°	430.6	437.7	451.8	483.6	533.0	571.8	628.4	667.1	706.0	720.1	723.6
77.5°	240.1	247.1	271.8	310.6	360.0	402.4	451.8	483.6	508.3	511.8	515.4
80°	144.7	148.2	173.0	208.3	250.6	296.5	335.4	367.1	388.3	377.7	374.2
82.5°	88.2	91.8	113.0	144.7	180.0	215.3	257.7	286.0	307.1	293.0	278.8
85°	45.9	49.4	67.1	88.2	116.5	134.1	134.1	120.0	116.5	109.5	105.9
87.5°	14.1	14.1	17.6	21.1	17.6	21.1	24.7	28.3	28.3	31.8	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)