

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: P533221

Luminaire Tested: **GALN-SA8C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26970 lumens
Efficiency: N/A
Efficacy: 62.9 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

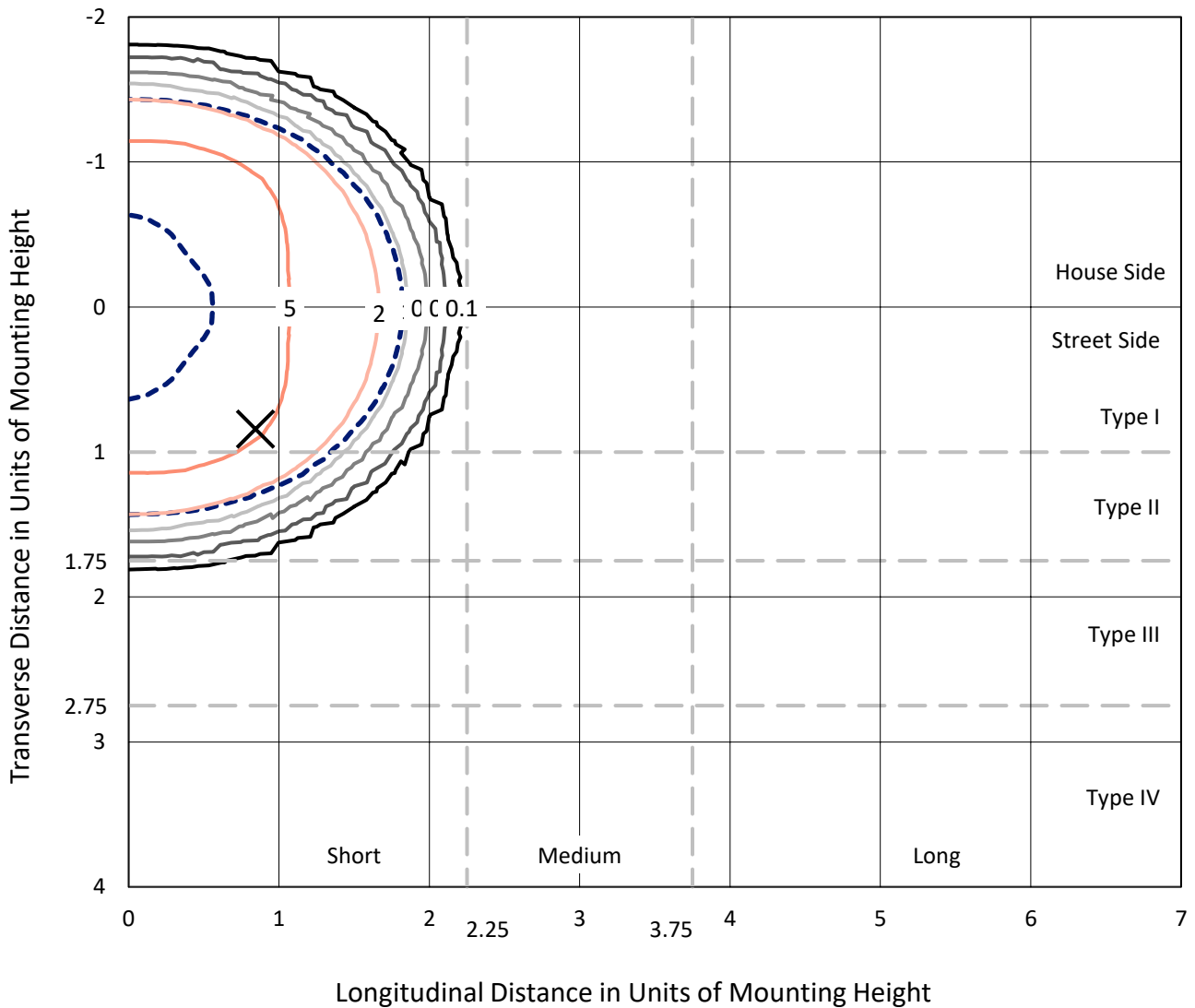
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533221
 CATALOG NUMBER: GALN-SA8C-827-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

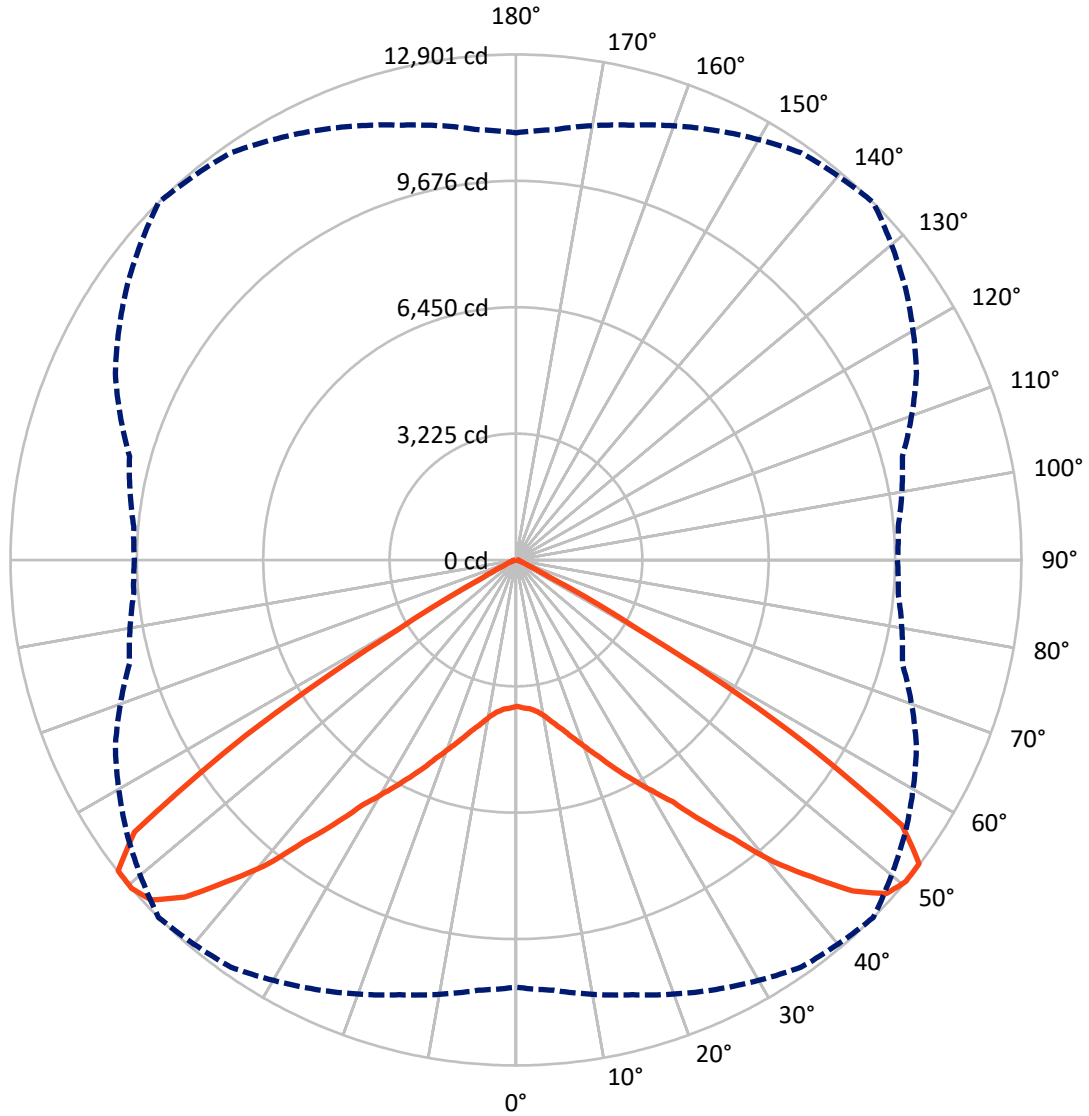
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

REPORT NUMBER: P533221
CATALOG NUMBER: GALN-SA8C-827-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P533221
 CATALOG NUMBER: GALN-SA8C-827-U-RW-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13485.0	0.0	13485.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13485.0	0.0	13485.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26970.0	0.0	26970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	1.4
10°-20°	1282.1	4.8
20°-30°	2618.5	9.7
30°-40°	4993.4	18.5
40°-50°	8414.7	31.2
50°-60°	8024.9	29.8
60°-70°	1120.2	4.2
70°-80°	107.1	0.4
80°-90°	37.0	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°	26970.0	100.0
0°-180°	26970.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533221

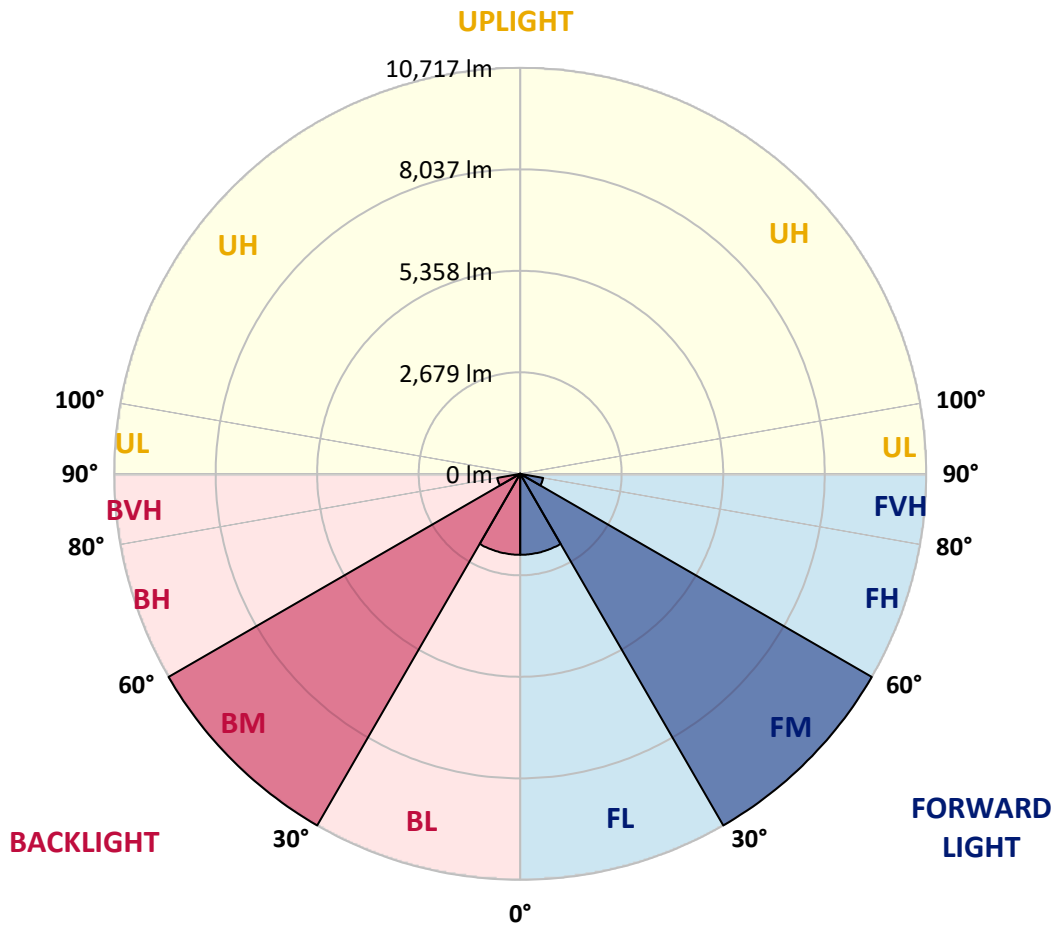
CATALOG NUMBER: GALN-SA8C-827-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2136.3	7.9			
FM (30°-60°)	10716.5	39.7			
FH (60°-80°)	613.7	2.3			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	2136.3	7.9	B3/2500		
BM (30°-60°)	10716.5	39.7	B5		
BH (60°-80°)	613.7	2.3	B2/1000		G0/660
BVH (80°-90°)	18.5	0.1			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: P533221

CATALOG NUMBER: GALN-SA8C-827-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1	3739.1
2.5°	3725.5	3725.5	3720.9	3757.2	3739.1	3779.9	3775.4	3789.0	3802.6	3798.1	3834.4
5°	3693.7	3689.2	3689.2	3730.0	3770.9	3816.2	3857.1	3884.3	3929.7	3929.7	3975.1
7.5°	3725.5	3702.8	3734.6	3752.7	3829.8	3907.0	3975.1	4029.5	4133.9	4170.2	4156.6
10°	3734.6	3761.8	3784.5	3838.9	3934.2	4052.2	4111.2	4247.3	4365.3	4447.0	4465.1
12.5°	3793.5	3834.4	3897.9	4029.5	4115.7	4270.0	4351.7	4483.3	4646.6	4737.4	4800.9
15°	3907.0	3920.6	4002.3	4170.2	4356.2	4496.9	4624.0	4719.2	4878.1	4982.4	4987.0
17.5°	4052.2	4111.2	4224.6	4383.5	4578.6	4787.3	4887.1	4991.5	5050.5	5191.2	5222.9
20°	4342.6	4351.7	4460.6	4669.3	4914.4	5105.0	5177.6	5232.0	5209.3	5354.5	5381.8
22.5°	4614.9	4624.0	4760.1	5041.4	5304.6	5468.0	5499.7	5468.0	5399.9	5504.3	5513.3
25°	4891.7	4973.4	5073.2	5354.5	5681.2	5899.1	5903.6	5817.4	5676.7	5694.9	5740.2
27.5°	5322.8	5381.8	5486.1	5744.8	6103.3	6348.3	6307.5	6203.1	6021.6	6035.2	6021.6
30°	5826.5	5880.9	5967.1	6298.4	6561.6	6829.3	6888.3	6788.5	6516.2	6457.2	6525.3
32.5°	6434.5	6511.6	6670.5	6974.5	7196.8	7360.2	7401.0	7364.7	7110.6	7087.9	7133.3
35°	7174.2	7278.5	7423.7	7691.5	7873.0	8167.9	8167.9	8045.4	7814.0	7841.2	7836.7
37.5°	7954.6	8108.9	8335.8	8608.1	8853.1	9011.9	8962.0	8857.7	8626.2	8567.2	8626.2
40°	8934.8	9011.9	9297.8	9651.8	9951.3	10132.8	9919.5	9692.6	9139.0	9225.2	9384.0
42.5°	9828.7	9951.3	10169.1	10559.3	10899.6	11049.4	10795.3	10346.0	9679.0	9610.9	9728.9
45°	10591.1	10722.7	11008.5	11566.7	11925.2	12056.8	11494.1	10768.0	10005.7	9833.3	9883.2
47.5°	11099.3	11167.4	11566.7	12097.6	12424.3	12723.8	11916.1	11058.5	10160.0	9833.3	9815.1
50°	10904.2	11022.2	11489.5	12093.1	12687.5	12900.8	12129.4	11280.8	10209.9	9792.4	9738.0
52.5°	9683.5	9887.7	10409.6	11221.8	12120.3	12882.6	12424.3	11208.2	10191.8	9833.3	9915.0
55°	6738.5	6743.1	7378.4	8576.3	10164.5	11961.5	11993.2	11289.9	10309.7	10087.4	10091.9
57.5°	2709.0	2845.2	3330.7	4533.2	5998.9	8213.3	9765.2	10473.1	10323.3	10268.9	10409.6
60°	685.2	689.7	839.5	1279.6	2110.0	3521.3	5114.0	6920.0	7968.3	8326.7	8376.7
62.5°	349.4	353.9	390.2	453.8	576.3	943.8	1679.0	2663.7	3789.0	4360.8	4510.5
65°	285.9	285.9	308.6	340.3	344.9	363.0	435.6	621.7	903.0	1025.5	1039.1
67.5°	217.8	217.8	236.0	254.1	263.2	258.7	249.6	258.7	313.1	299.5	290.4
70°	136.1	140.7	149.7	167.9	177.0	181.5	186.0	195.1	222.3	231.4	222.3
72.5°	81.7	81.7	86.2	99.8	113.4	122.5	136.1	145.2	158.8	181.5	177.0
75°	36.3	36.3	45.4	59.0	72.6	86.2	99.8	113.4	122.5	136.1	140.7
77.5°	9.1	13.6	22.7	40.8	54.5	72.6	90.8	104.4	113.4	113.4	108.9
80°	4.5	4.5	18.2	31.8	59.0	77.1	99.8	108.9	122.5	113.4	99.8
82.5°	4.5	4.5	18.2	31.8	54.5	77.1	104.4	118.0	127.1	113.4	95.3
85°	0.0	4.5	13.6	27.2	45.4	54.5	45.4	31.8	18.2	18.2	13.6
87.5°	0.0	0.0	4.5	4.5	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)