

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: P652427

Luminaire Tested: **GALN-SA6B-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-840-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25559.7 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

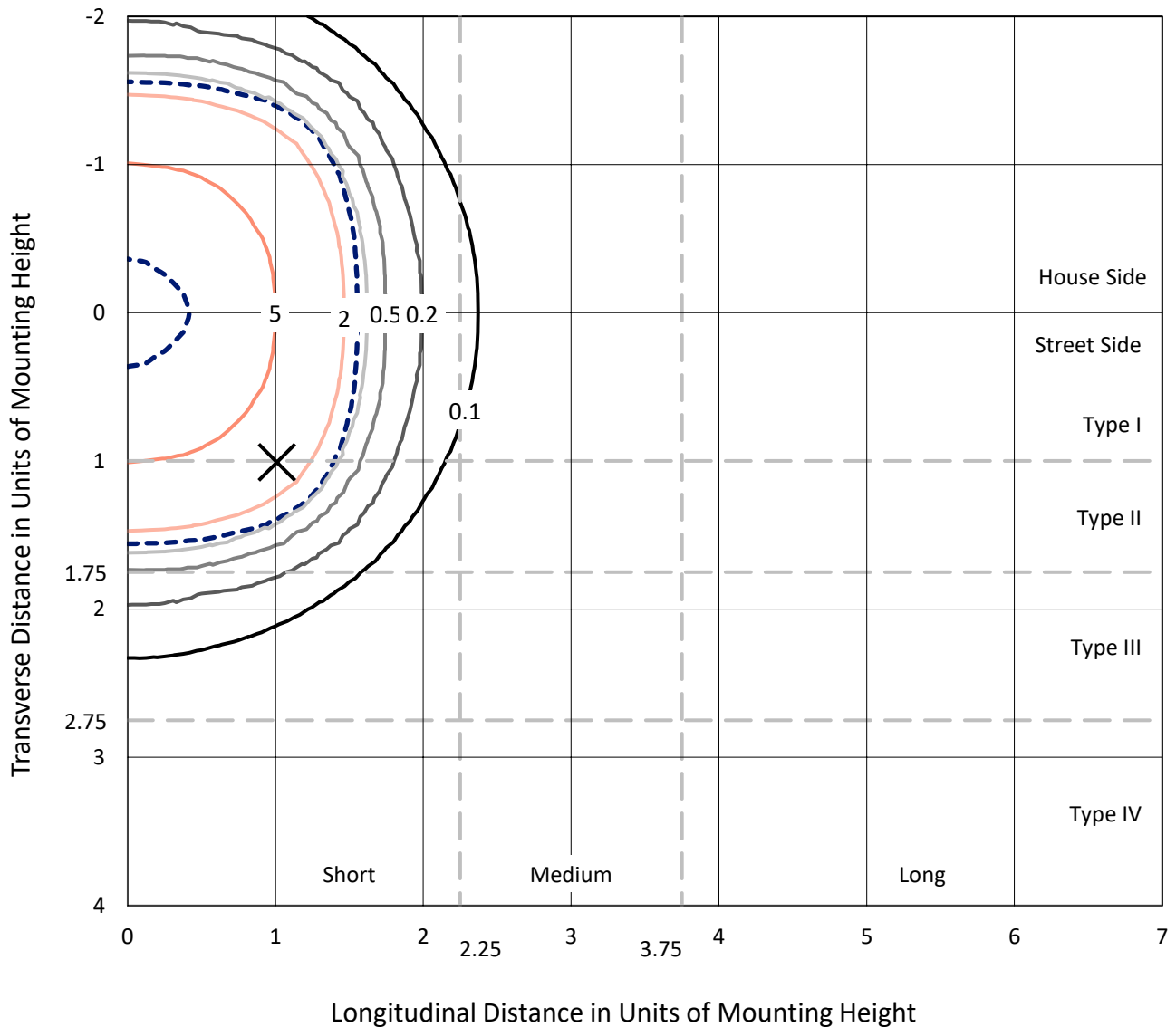
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652427
 CATALOG NUMBER: GALN-SA6B-840-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

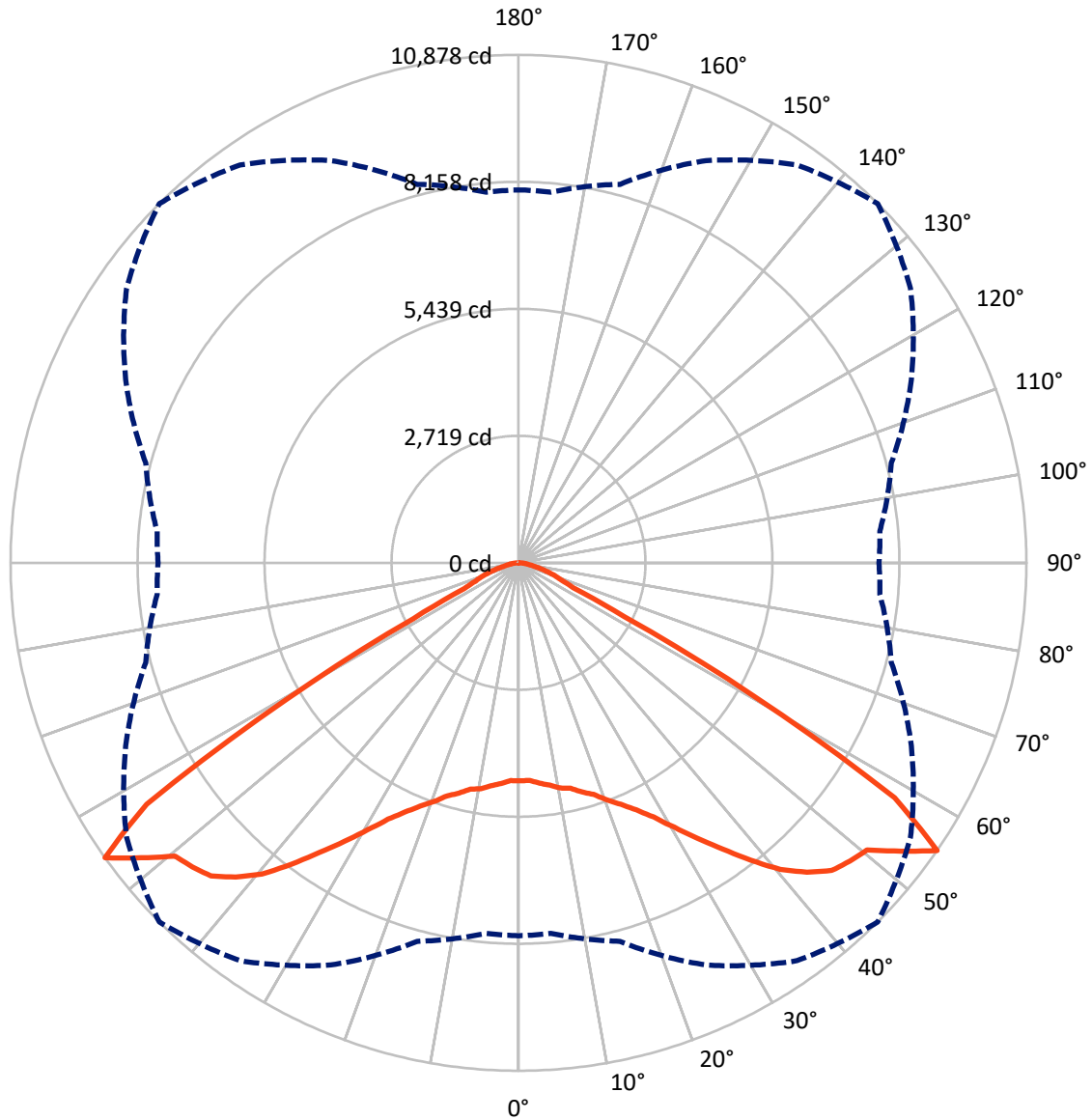
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P652427
CATALOG NUMBER: GALN-SA6B-840-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P652427
 CATALOG NUMBER: GALN-SA6B-840-U-5NQ-GRSWH

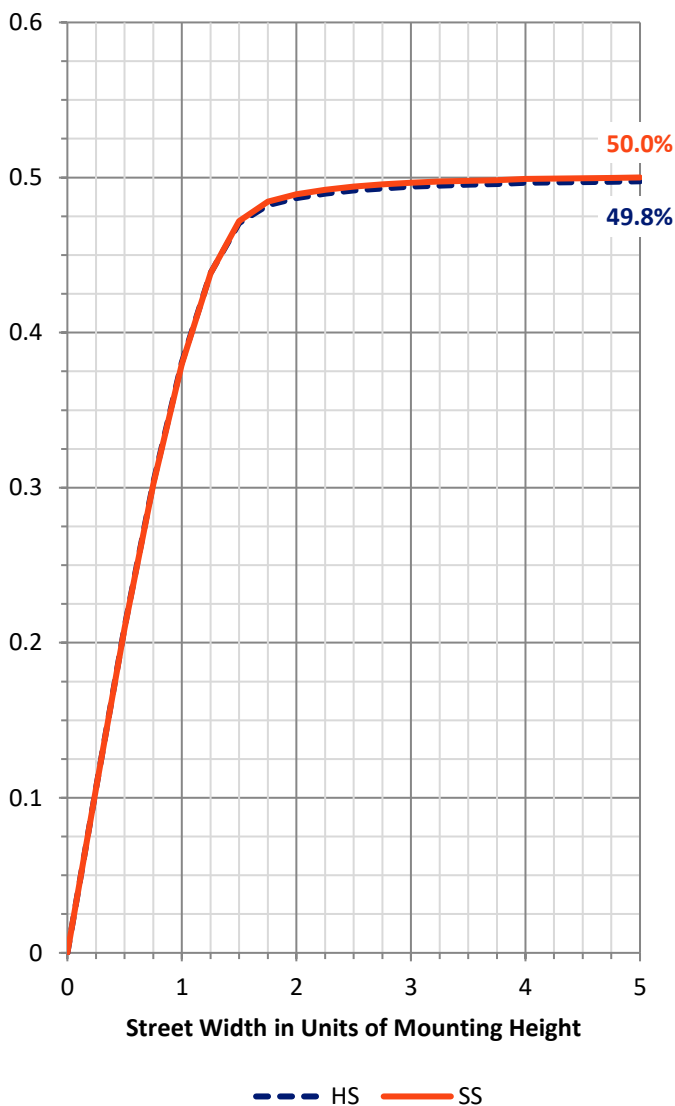
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12779.8	0.0	12779.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12779.8	0.0	12779.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	25559.7	0.0	25559.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.9	1.8
10°-20°	1444.5	5.7
20°-30°	2693.6	10.5
30°-40°	4510.0	17.6
40°-50°	7017.8	27.5
50°-60°	7286.7	28.5
60°-70°	1545.3	6.0
70°-80°	508.9	2.0
80°-90°	96.9	0.4
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°	25559.7	100.0
0°-180°	25559.7	100.0

Coefficient of Utilization

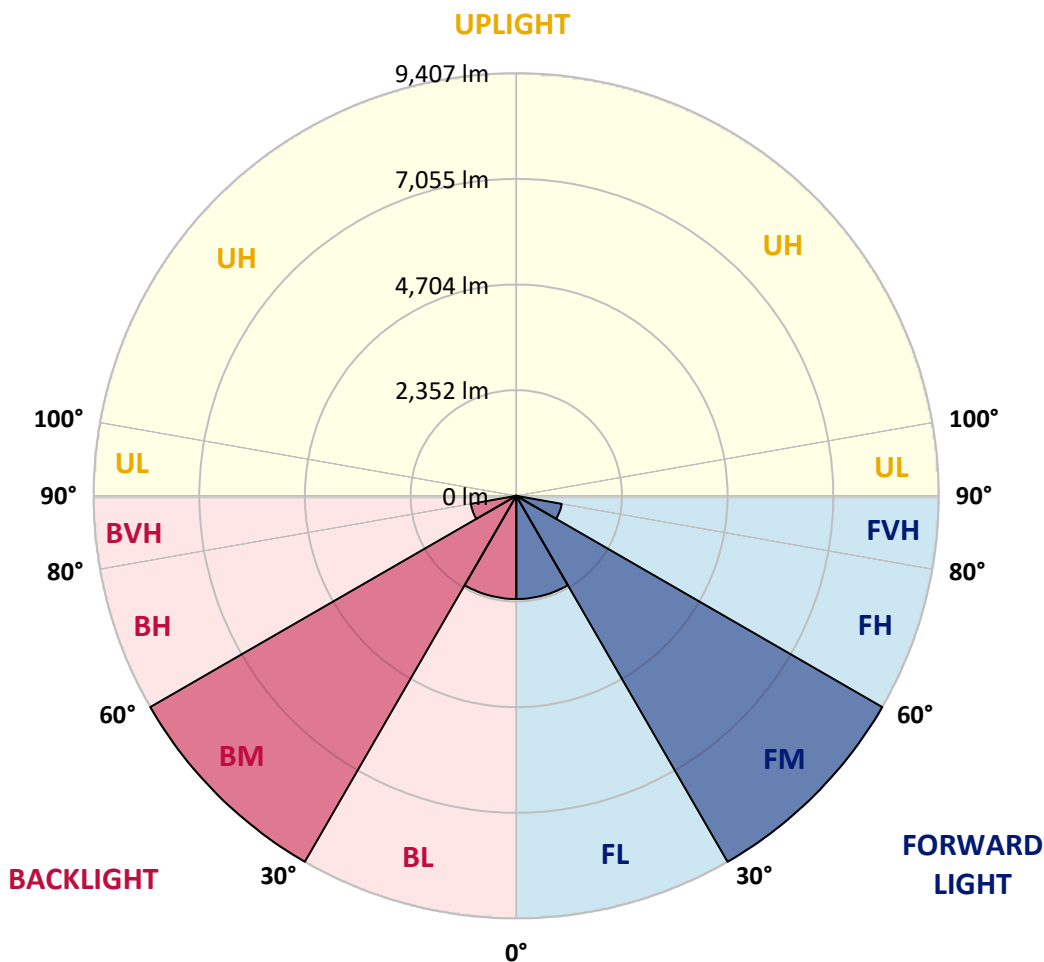


REPORT NUMBER: P652427
 CATALOG NUMBER: GALN-SA6B-840-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2297.0	9.0			
FM (30°-60°)	9407.3	36.8			
FH (60°-80°)	1027.1	4.0			G1/1800
FVH (80°-90°)	48.5	0.2			G1/100
BL (0°-30°)	2297.0	9.0	B3/2500		
BM (30°-60°)	9407.3	36.8	B5		
BH (60°-80°)	1027.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	48.5	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: P652427

CATALOG NUMBER: GALN-SA6B-840-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8	4666.8
2.5°	4722.4	4700.8	4663.8	4691.5	4713.1	4666.8	4685.4	4694.6	4688.4	4663.8	4673.0
5°	4790.3	4778.0	4747.1	4768.7	4741.0	4741.0	4722.4	4697.7	4734.7	4728.6	4744.0
7.5°	4790.3	4774.9	4836.7	4796.6	4808.9	4808.9	4778.0	4753.3	4771.8	4744.0	4728.6
10°	4886.1	4907.7	4879.9	4889.2	4883.0	4904.6	4858.3	4842.9	4827.4	4818.2	4799.6
12.5°	5000.4	4984.9	4994.2	4988.1	5009.7	4954.1	4926.2	4892.3	4920.1	4879.9	4907.7
15°	5093.0	5083.8	5093.0	5117.7	5096.1	5093.0	5043.6	5009.7	4966.4	4975.7	4932.5
17.5°	5219.7	5210.4	5213.5	5235.1	5232.0	5216.6	5179.6	5114.6	5099.2	5074.5	5046.7
20°	5408.1	5392.7	5386.4	5395.7	5411.2	5423.5	5349.3	5324.7	5272.1	5232.0	5185.7
22.5°	5568.7	5562.5	5587.2	5547.1	5581.0	5618.1	5547.1	5534.7	5404.9	5383.3	5334.0
25°	5791.0	5781.8	5766.3	5825.0	5865.2	5862.1	5794.2	5726.2	5627.4	5602.7	5602.7
27.5°	6025.8	5973.3	6053.6	6069.0	6140.1	6161.7	6103.0	6004.2	5911.5	5859.0	5871.4
30°	6319.2	6269.7	6288.3	6399.5	6492.2	6572.4	6424.2	6279.1	6149.3	6056.6	6041.2
32.5°	6612.6	6563.2	6618.8	6726.9	6912.2	7032.6	6887.5	6634.2	6482.8	6347.0	6374.8
35°	6850.4	6887.5	6977.0	7140.8	7332.3	7526.8	7295.2	7100.6	6884.4	6733.0	6754.7
37.5°	7233.4	7347.6	7418.7	7607.1	7878.9	8079.7	7838.8	7585.5	7353.9	7156.2	7088.3
40°	7733.8	7811.0	7891.3	8113.6	8434.9	8635.6	8407.1	8076.6	7848.0	7644.2	7634.9
42.5°	8283.5	8357.6	8441.0	8712.8	8904.3	9055.6	8845.6	8669.6	8416.3	8255.8	8246.4
45°	8922.8	8870.4	8963.0	9142.2	9302.7	9401.5	9265.7	9179.2	8997.0	8848.7	8833.3
47.5°	9349.1	9302.7	9469.5	9630.1	9654.8	9546.8	9574.5	9654.8	9463.4	9219.4	9296.6
50°	9596.1	9596.1	9707.3	9855.6	9809.3	9670.3	9889.6	9895.7	9704.3	9488.1	9488.1
52.5°	9166.8	9262.6	9577.6	10062.6	10217.0	10257.1	10207.7	9997.6	9497.3	9055.6	9034.0
55°	7987.0	7965.4	8391.6	9503.5	10402.2	10877.9	10247.8	9281.1	8265.0	7767.7	7718.3
57.5°	5194.9	5219.7	5855.9	6989.4	8610.9	9497.3	8434.9	7075.9	5855.9	5170.2	5235.1
60°	2338.1	2421.4	2807.5	3653.8	5046.7	5769.4	5059.0	3839.1	2946.5	2557.3	2591.3
62.5°	1343.5	1359.0	1374.4	1630.8	2149.7	2541.9	2233.0	1723.4	1519.6	1451.7	1451.7
65°	1133.5	1124.2	1127.4	1149.0	1204.6	1284.9	1250.9	1204.6	1210.7	1204.6	1195.3
67.5°	963.6	976.0	966.7	982.2	985.2	997.6	1019.2	1037.8	1040.8	1047.0	1040.8
70°	790.7	793.7	800.0	812.3	815.3	824.7	855.5	870.9	880.3	880.3	892.6
72.5°	605.4	602.2	608.5	620.8	636.2	639.3	667.2	688.8	701.1	685.7	688.8
75°	398.5	401.5	410.7	420.1	441.7	463.3	472.6	494.2	497.3	503.4	488.0
77.5°	237.8	244.0	253.2	271.8	290.3	308.8	330.5	345.9	352.1	345.9	327.4
80°	154.4	154.4	166.8	182.2	203.9	219.2	231.6	244.0	253.2	244.0	237.8
82.5°	95.7	95.7	111.2	129.7	145.2	154.4	173.0	188.4	197.6	191.5	182.2
85°	49.5	52.5	64.8	80.3	92.7	98.8	95.7	86.5	77.2	74.1	68.0
87.5°	15.5	15.5	18.5	18.5	15.5	15.5	18.5	15.5	18.5	18.5	18.5
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)