

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: P531112

Luminaire Tested: **GALN-SA6B-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21044 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

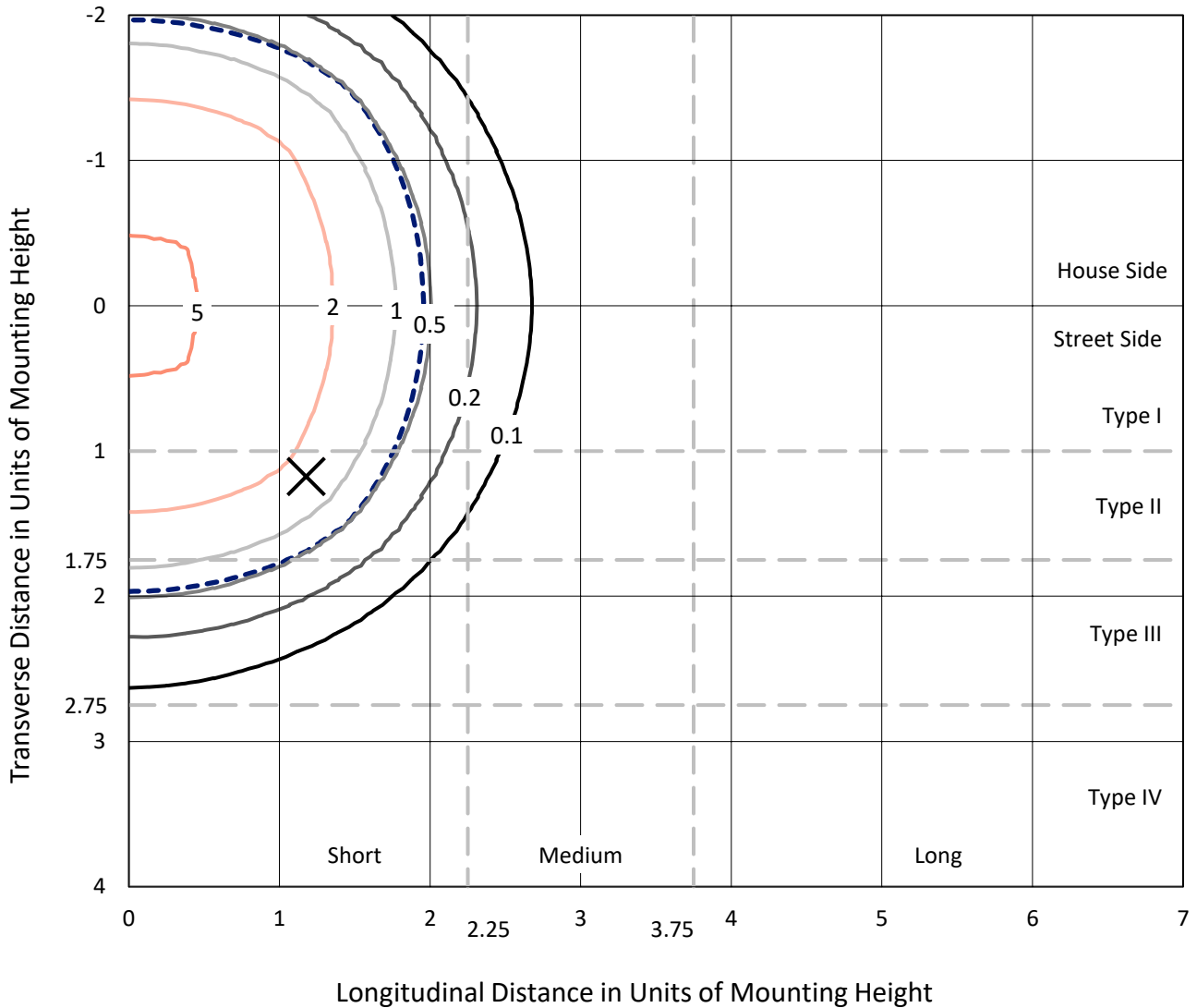
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

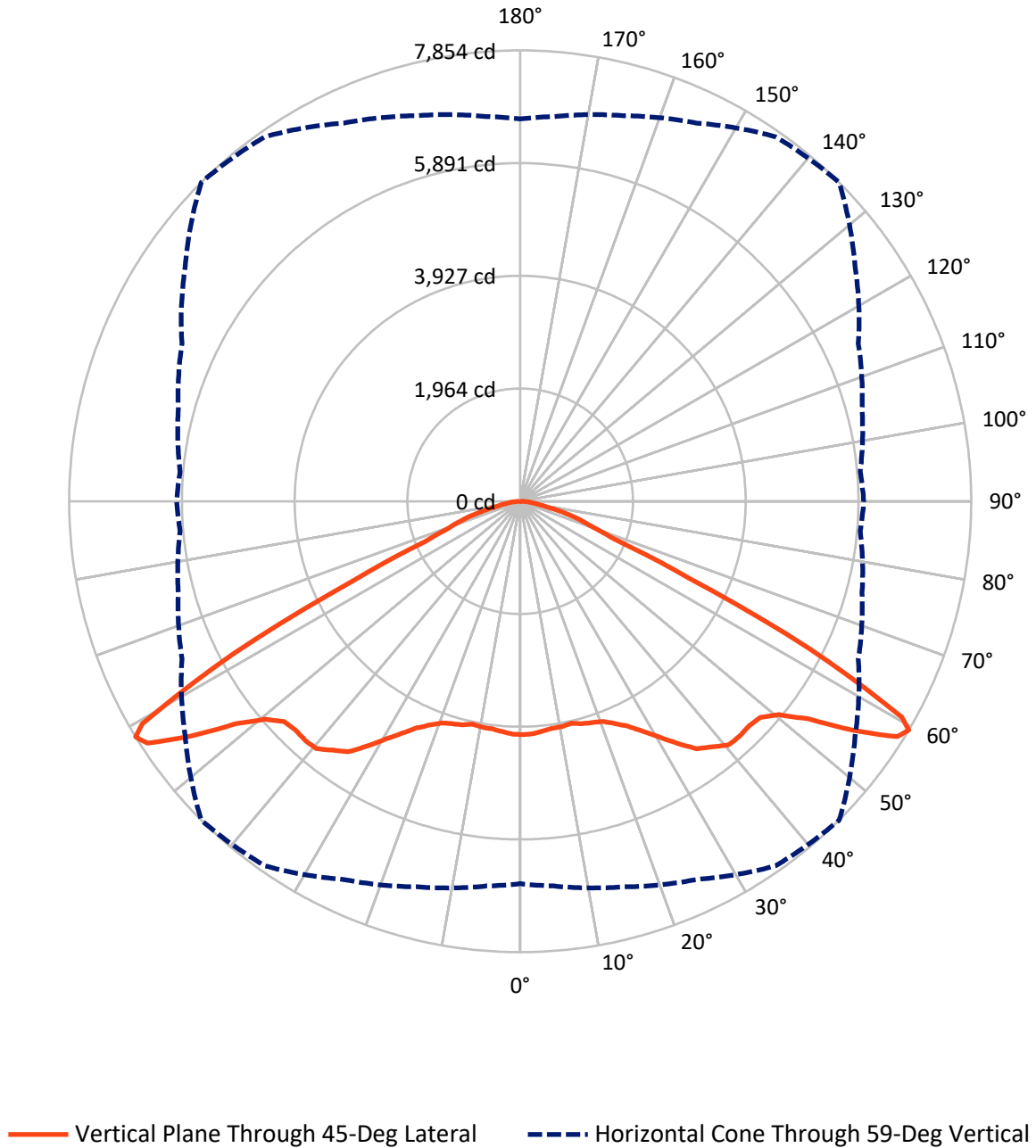
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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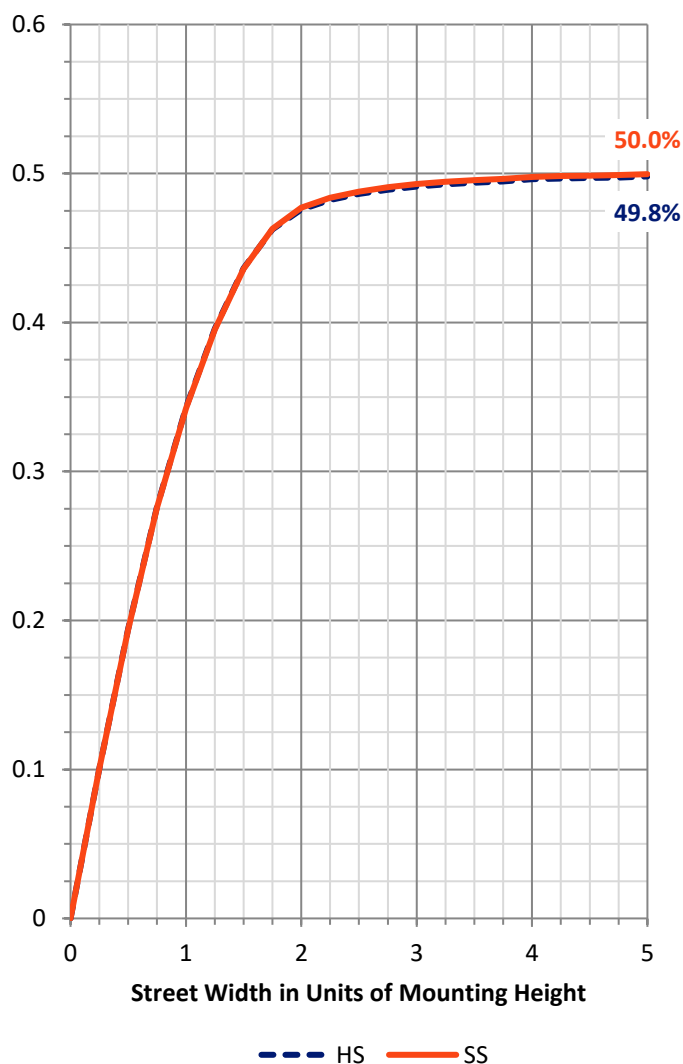
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10522.0	0.0	10522.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10522.0	0.0	10522.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21044.0	0.0	21044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.2	1.8
10°-20°	1139.5	5.4
20°-30°	1989.7	9.5
30°-40°	3177.8	15.1
40°-50°	4328.8	20.6
50°-60°	5853.7	27.8
60°-70°	3210.2	15.3
70°-80°	821.3	3.9
80°-90°	140.1	0.7
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°	21044.0	100.0
0°-180°	21044.0	100.0

Coefficient of Utilization



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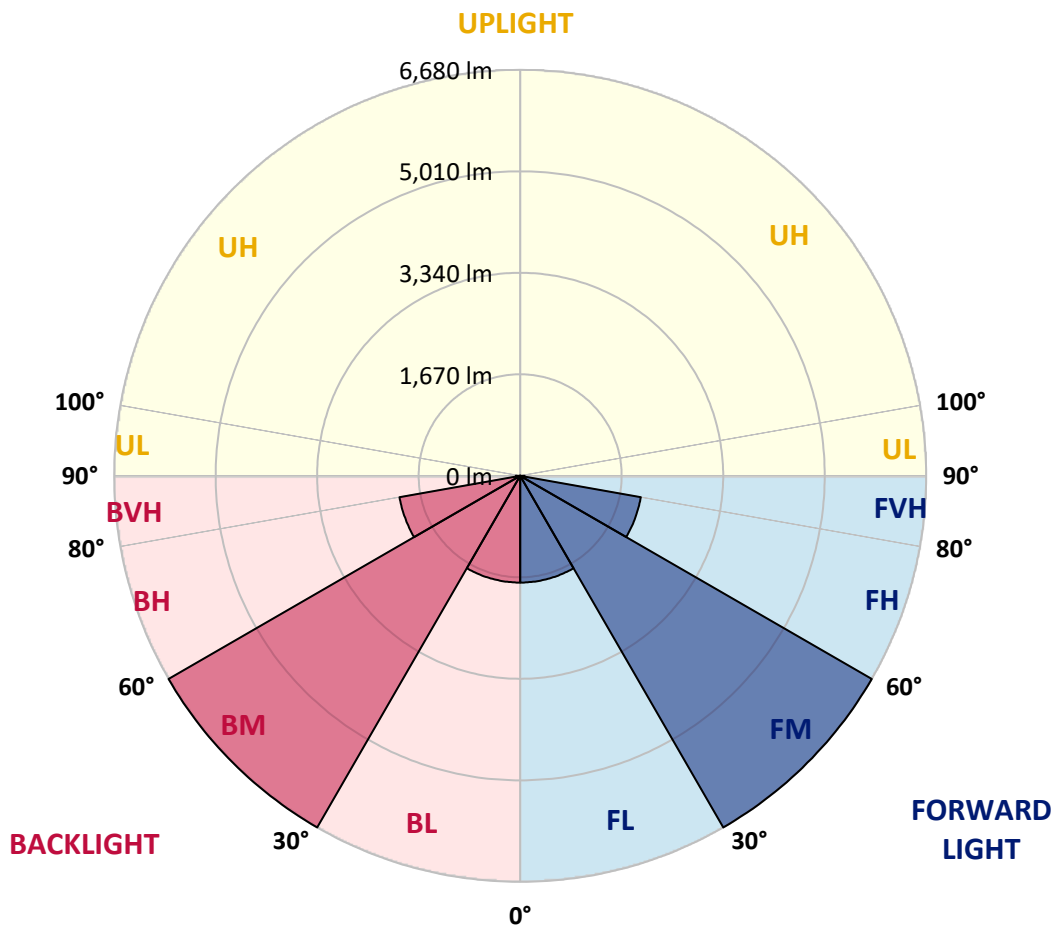
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1756.2	8.3			
FM (30°-60°)	6680.1	31.7			
FH (60°-80°)	2015.7	9.6			G2/5000
FVH (80°-90°)	70.0	0.3			G1/100
BL (0°-30°)	1756.2	8.3	B3/2500		
BM (30°-60°)	6680.1	31.7	B4/8500		
BH (60°-80°)	2015.7	9.6	B3/2500		G2/5000
BVH (80°-90°)	70.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7	4064.7
2.5°	4040.4	4070.1	4048.5	4067.4	4064.7	4056.6	4043.1	4035.0	4024.2	4040.4	4013.4
5°	4024.2	4048.5	4072.8	4040.4	4040.4	4024.2	4016.1	4000.0	4000.0	3997.3	3994.6
7.5°	4051.2	4026.9	4016.1	4021.5	4026.9	3991.9	4016.1	3983.8	3956.8	3975.7	3997.3
10°	4026.9	4037.7	3997.3	4016.1	3986.5	3991.9	3975.7	3997.3	3967.6	3967.6	3967.6
12.5°	4051.2	4021.5	4035.0	4021.5	4013.4	3967.6	3989.2	3964.9	3962.2	3989.2	3964.9
15°	4099.8	4051.2	4040.4	4013.4	4021.5	4021.5	4000.0	4002.7	3973.0	3989.2	3994.6
17.5°	4083.6	4056.6	4048.5	4016.1	4043.1	4051.2	4010.8	3983.8	4002.7	4000.0	3997.3
20°	4097.1	4107.8	4099.8	4105.2	4115.9	4094.4	4056.6	4018.8	3994.6	4029.6	4026.9
22.5°	4183.4	4172.6	4167.2	4161.8	4180.7	4202.3	4151.0	4091.7	4091.7	4115.9	4126.7
25°	4253.5	4250.8	4248.1	4272.4	4337.1	4337.1	4272.4	4196.9	4178.0	4194.2	4180.7
27.5°	4356.0	4385.7	4374.9	4418.0	4512.4	4534.0	4447.7	4358.7	4307.4	4288.6	4312.8
30°	4590.7	4555.6	4563.7	4609.5	4693.1	4763.3	4631.1	4536.7	4466.6	4463.9	4474.7
32.5°	4747.1	4774.1	4798.3	4841.5	4973.7	5027.6	4868.5	4714.7	4671.6	4647.3	4655.4
35°	5060.0	5035.7	5030.3	5073.5	5205.6	5294.6	5095.0	4960.2	4903.5	4957.5	4957.5
37.5°	5356.7	5289.2	5238.0	5294.6	5416.0	5426.8	5256.9	5184.0	5154.4	5216.4	5213.7
40°	5496.9	5491.5	5372.8	5405.2	5567.0	5583.2	5424.1	5337.8	5332.4	5413.3	5494.2
42.5°	5642.6	5591.3	5472.6	5494.2	5594.0	5599.4	5448.4	5424.1	5483.4	5561.6	5567.0
45°	5666.8	5623.7	5548.2	5494.2	5567.0	5583.2	5494.2	5510.4	5515.8	5610.2	5610.2
47.5°	5715.4	5710.0	5666.8	5626.4	5639.9	5626.4	5569.7	5594.0	5674.9	5720.8	5699.2
50°	5850.2	5793.6	5836.8	5801.7	5804.4	5842.2	5790.9	5815.2	5799.0	5758.5	5731.6
52.5°	6146.9	6120.0	6157.7	6182.0	6209.0	6295.3	6235.9	6106.5	5985.1	5877.2	5874.5
55°	6581.2	6600.1	6672.9	6797.0	6902.2	7039.7	6753.8	6443.6	6249.4	6079.5	6090.3
57.5°	6991.2	6977.7	7077.5	7360.7	7668.2	7738.3	7177.3	6734.9	6419.4	6311.5	6265.6
59°	6662.1	6726.8	6953.4	7269.0	7751.8	7854.3	7120.6	6497.6	6163.1	5944.6	5982.4
60°	6144.2	6168.5	6370.8	6810.5	7463.2	7638.5	6740.3	6130.8	5685.7	5558.9	5615.6
62.5°	4342.5	4323.6	4469.3	4828.0	5413.3	5650.7	5011.4	4582.6	4302.0	4161.8	4194.2
65°	2308.8	2395.1	2454.5	2678.3	2988.5	3239.3	2975.0	2788.9	2632.5	2516.5	2513.8
67.5°	1559.0	1548.2	1561.7	1612.9	1718.1	1788.2	1782.9	1688.5	1675.0	1653.4	1677.7
70°	1313.5	1308.1	1283.9	1283.9	1305.4	1321.6	1340.5	1351.3	1372.9	1399.9	1397.2
72.5°	1065.4	1051.9	1035.7	1027.6	1054.6	1062.7	1087.0	1097.8	1116.6	1113.9	1138.2
75°	704.0	704.0	722.9	744.4	752.5	768.7	771.4	803.8	803.8	809.2	787.6
77.5°	393.8	383.0	396.5	418.1	436.9	466.6	496.3	520.6	534.0	528.7	528.7
80°	229.3	229.3	242.7	267.0	291.3	318.3	339.8	358.7	372.2	366.8	356.0
82.5°	143.0	143.0	156.4	180.7	199.6	215.8	245.4	269.7	285.9	280.5	267.0
85°	72.8	72.8	89.0	105.2	129.5	140.3	137.6	126.8	124.1	110.6	110.6
87.5°	18.9	18.9	27.0	29.7	24.3	27.0	27.0	27.0	27.0	27.0	29.7
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)