

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: P531346

Luminaire Tested: **GALN-SA6C-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531346
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-SA6C-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA 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: 26000 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

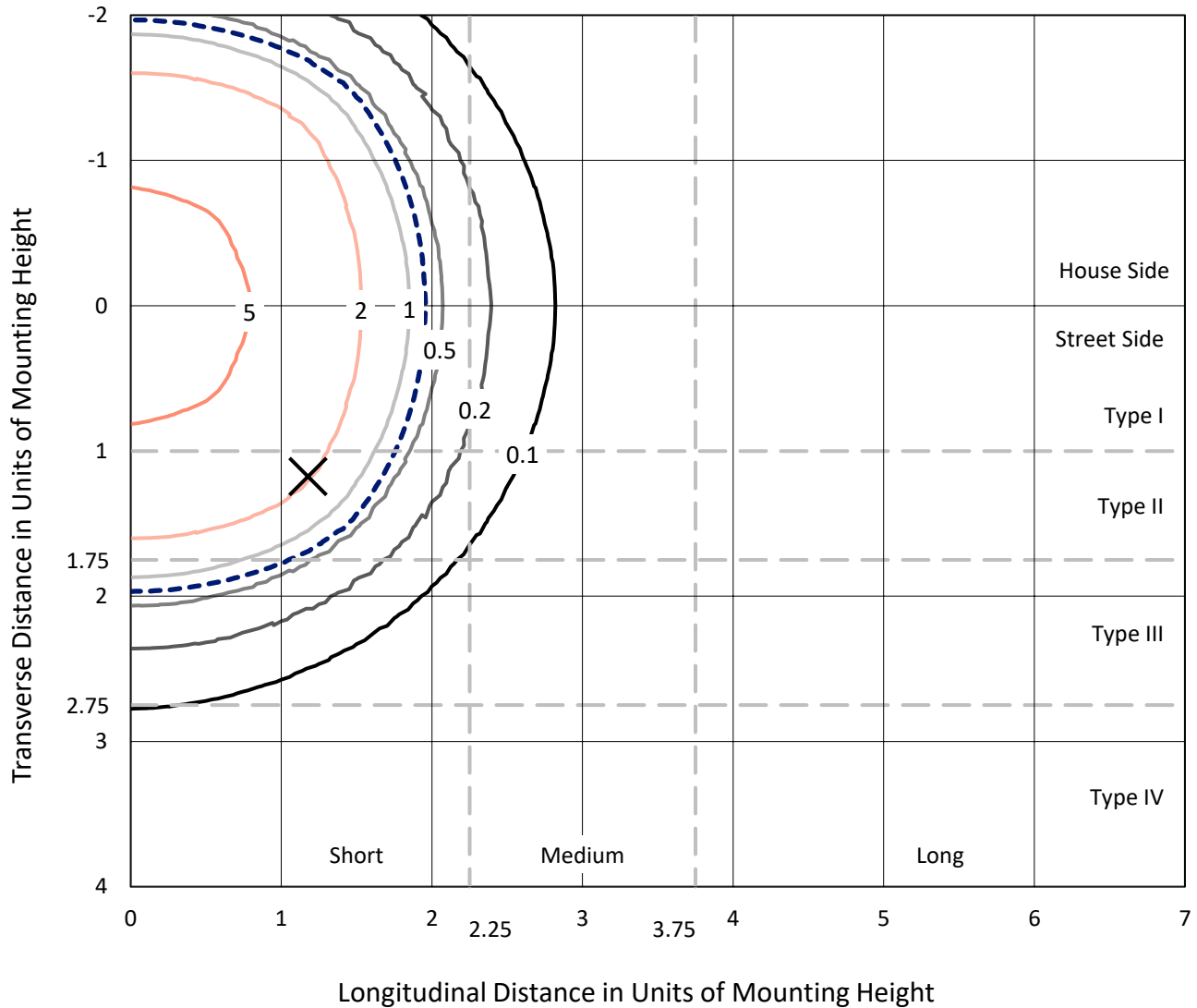
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

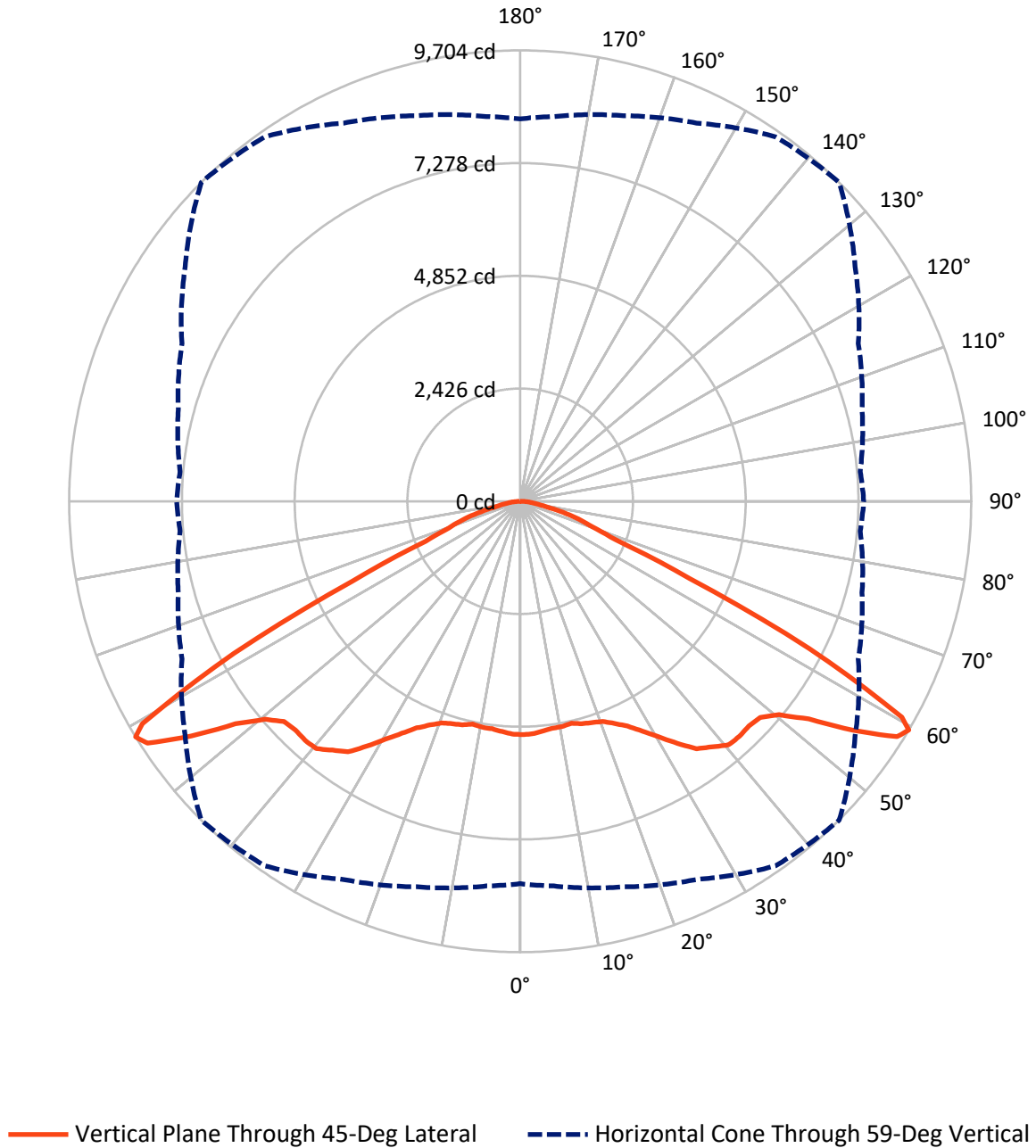
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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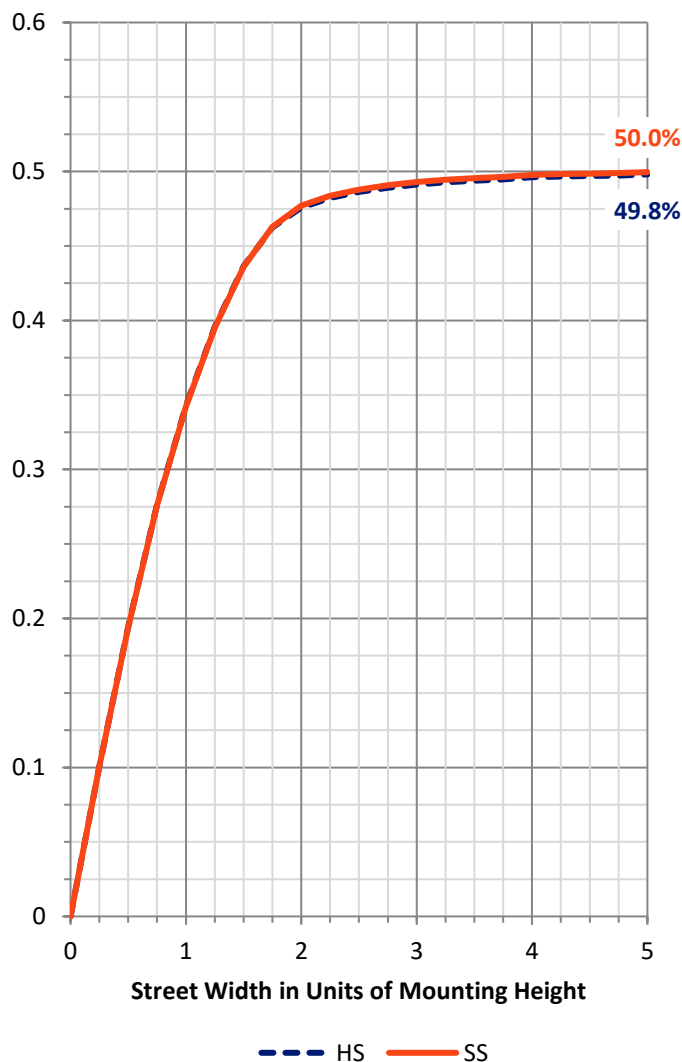
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13000.0	0.0	13000.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13000.0	0.0	13000.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26000.0	0.0	26000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.4	1.8
10°-20°	1407.8	5.4
20°-30°	2458.2	9.5
30°-40°	3926.2	15.1
40°-50°	5348.2	20.6
50°-60°	7232.2	27.8
60°-70°	3966.2	15.3
70°-80°	1014.7	3.9
80°-90°	173.1	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°	26000.0	100.0
0°-180°	26000.0	100.0

Coefficient of Utilization

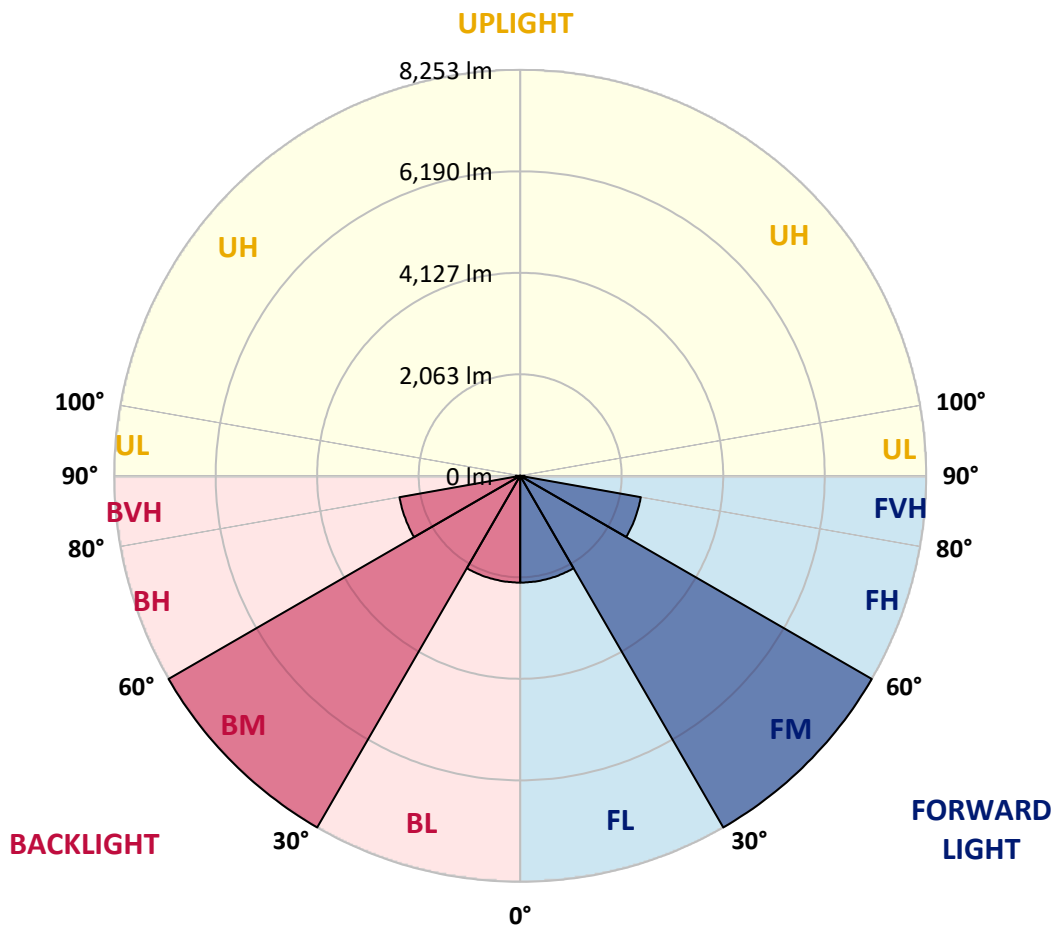


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2169.7	8.3			
FM (30°-60°)	8253.3	31.7			
FH (60°-80°)	2490.4	9.6			G2/5000
FVH (80°-90°)	86.5	0.3			G1/100
BL (0°-30°)	2169.7	8.3	B3/2500		
BM (30°-60°)	8253.3	31.7	B4/8500		
BH (60°-80°)	2490.4	9.6	B3/2500		G2/5000
BVH (80°-90°)	86.5	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°	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0	5022.0
2.5°	4992.0	5028.6	5002.0	5025.3	5022.0	5012.0	4995.3	4985.3	4972.0	4992.0	4958.6
5°	4972.0	5002.0	5032.0	4992.0	4992.0	4972.0	4962.0	4942.0	4942.0	4938.6	4935.3
7.5°	5005.3	4975.3	4962.0	4968.6	4975.3	4932.0	4962.0	4922.0	4888.7	4912.0	4938.6
10°	4975.3	4988.6	4938.6	4962.0	4925.3	4932.0	4912.0	4938.6	4902.0	4902.0	4902.0
12.5°	5005.3	4968.6	4985.3	4968.6	4958.6	4902.0	4928.6	4898.7	4895.3	4928.6	4898.7
15°	5065.3	5005.3	4992.0	4958.6	4968.6	4968.6	4942.0	4945.3	4908.7	4928.6	4935.3
17.5°	5045.3	5012.0	5002.0	4962.0	4995.3	5005.3	4955.3	4922.0	4945.3	4942.0	4938.6
20°	5061.9	5075.3	5065.3	5071.9	5085.3	5058.6	5012.0	4965.3	4935.3	4978.6	4975.3
22.5°	5168.6	5155.3	5148.6	5141.9	5165.3	5191.9	5128.6	5055.3	5055.3	5085.3	5098.6
25°	5255.2	5251.9	5248.6	5278.6	5358.5	5358.5	5278.6	5185.2	5161.9	5181.9	5165.3
27.5°	5381.9	5418.5	5405.2	5458.5	5575.1	5601.8	5495.2	5385.2	5321.9	5298.5	5328.5
30°	5671.8	5628.5	5638.5	5695.1	5798.4	5885.1	5721.8	5605.1	5518.5	5515.2	5528.5
32.5°	5865.1	5898.4	5928.4	5981.7	6145.0	6211.6	6015.0	5825.1	5771.8	5741.8	5751.8
35°	6251.6	6221.6	6215.0	6268.3	6431.6	6541.5	6294.9	6128.3	6058.3	6125.0	6125.0
37.5°	6618.2	6534.9	6471.6	6541.5	6691.5	6704.8	6494.9	6404.9	6368.3	6444.9	6441.6
40°	6791.5	6784.8	6638.2	6678.2	6878.1	6898.1	6701.5	6594.9	6588.2	6688.2	6788.1
42.5°	6971.4	6908.1	6761.5	6788.1	6911.4	6918.1	6731.5	6701.5	6774.8	6871.4	6878.1
45°	7001.4	6948.1	6854.8	6788.1	6878.1	6898.1	6788.1	6808.1	6814.8	6931.4	6931.4
47.5°	7061.4	7054.7	7001.4	6951.4	6968.1	6951.4	6881.4	6911.4	7011.4	7068.1	7041.4
50°	7228.0	7158.0	7211.4	7168.0	7171.4	7218.0	7154.7	7184.7	7164.7	7114.7	7081.4
52.5°	7594.6	7561.3	7607.9	7637.9	7671.2	7777.9	7704.6	7544.6	7394.6	7261.3	7258.0
55°	8131.1	8154.4	8244.4	8397.7	8527.7	8697.6	8344.4	7961.2	7721.2	7511.3	7524.6
57.5°	8637.6	8621.0	8744.3	9094.2	9474.1	9560.7	8867.6	8321.1	7931.2	7797.9	7741.2
59°	8231.1	8311.1	8591.0	8980.9	9577.4	9704.0	8797.6	8027.8	7614.6	7344.7	7391.3
60°	7591.3	7621.2	7871.2	8414.4	9220.8	9437.4	8327.7	7574.6	7024.7	6868.1	6938.1
62.5°	5365.2	5341.9	5521.8	5965.0	6688.2	6981.4	6191.6	5661.8	5315.2	5141.9	5181.9
65°	2852.6	2959.2	3032.5	3309.1	3692.3	4002.2	3675.7	3445.7	3252.4	3109.1	3105.8
67.5°	1926.1	1912.8	1929.5	1992.8	2122.8	2209.4	2202.7	2086.1	2069.4	2042.8	2072.8
70°	1622.9	1616.2	1586.2	1586.2	1612.9	1632.9	1656.2	1669.5	1696.2	1729.5	1726.2
72.5°	1316.3	1299.6	1279.6	1269.7	1303.0	1313.0	1343.0	1356.3	1379.6	1376.3	1406.3
75°	869.8	869.8	893.1	919.7	929.7	949.7	953.1	993.1	993.1	999.7	973.1
77.5°	486.5	473.2	489.9	516.5	539.9	576.5	613.2	643.2	659.8	653.2	653.2
80°	283.3	283.3	299.9	329.9	359.9	393.2	419.9	443.2	459.9	453.2	439.9
82.5°	176.6	176.6	193.3	223.3	246.6	266.6	303.3	333.2	353.2	346.6	329.9
85°	90.0	90.0	110.0	130.0	160.0	173.3	170.0	156.6	153.3	136.6	136.6
87.5°	23.3	23.3	33.3	36.7	30.0	33.3	33.3	33.3	33.3	33.3	36.7
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)