

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: P532052

Luminaire Tested: **GALN-SA7B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532052  
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-SA7B-827-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 2700K, 800mA 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: 25529 lumens  
Efficiency: N/A  
Efficacy: 89.3 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

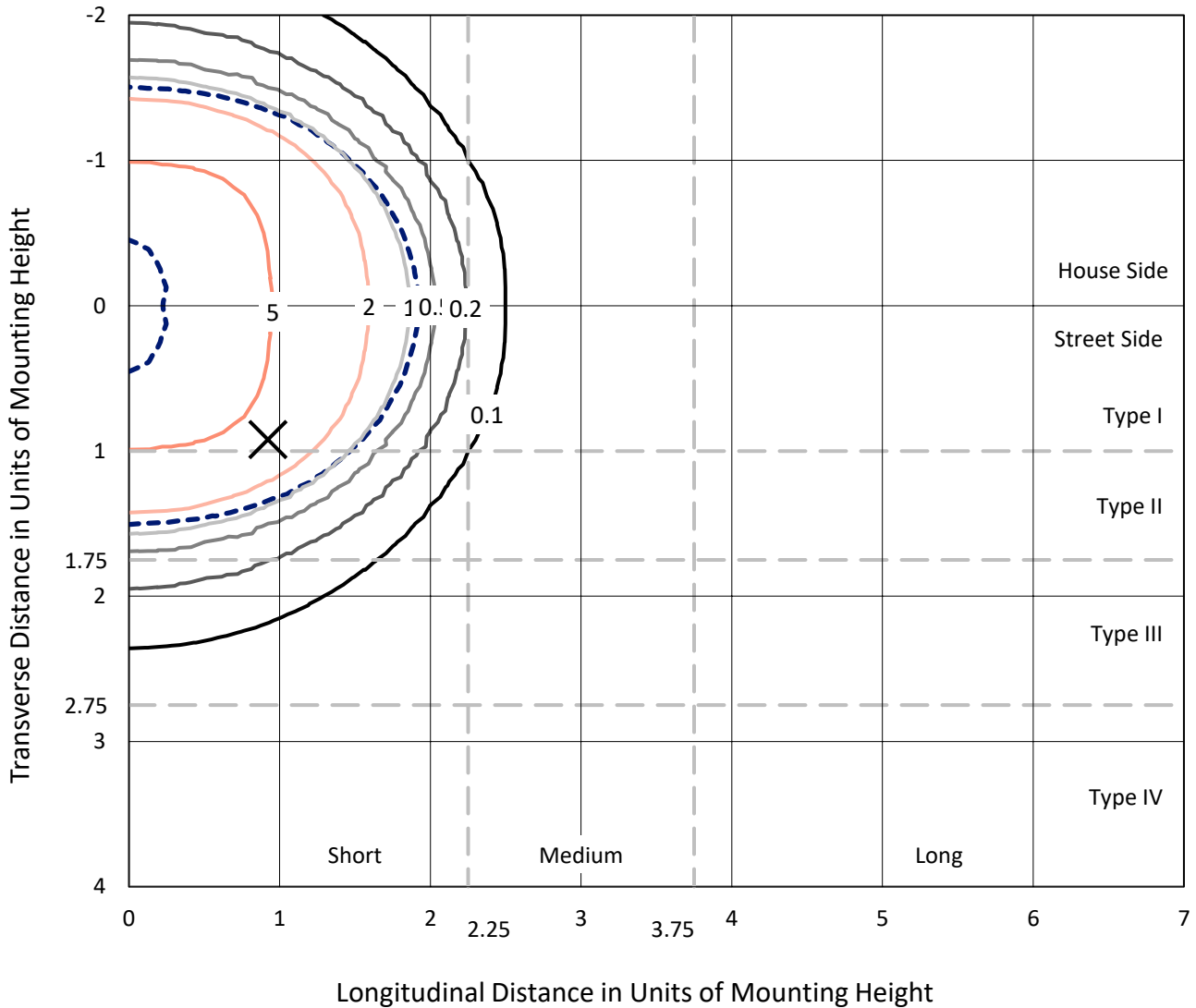
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

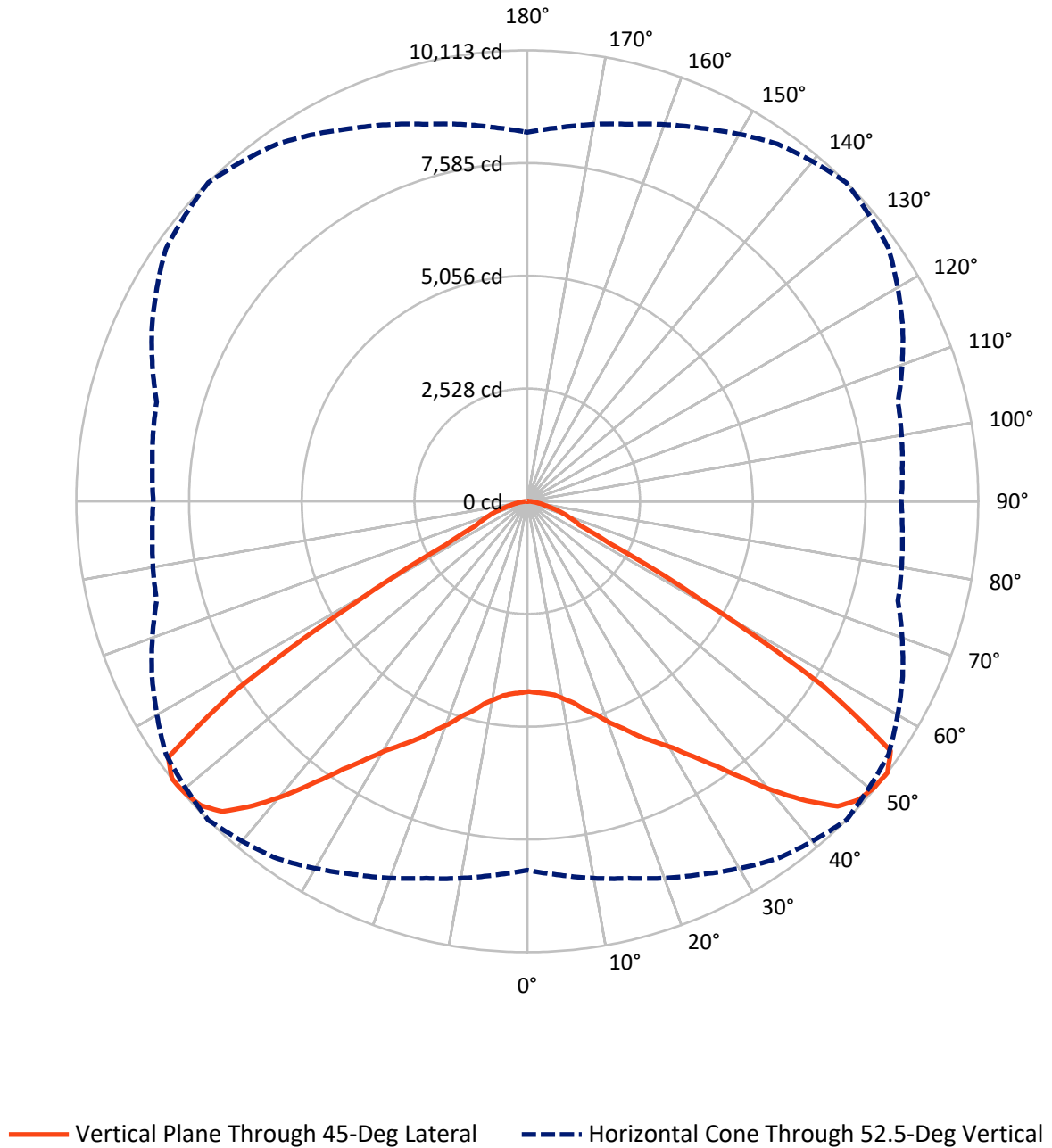
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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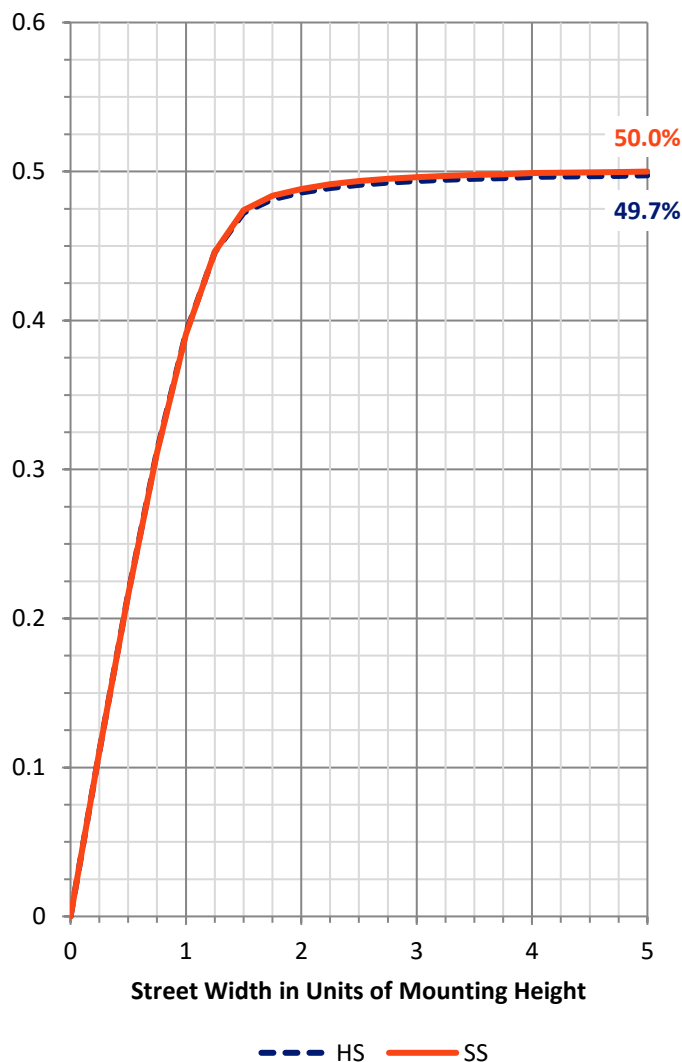
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12764.5	0.0	12764.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12764.5	0.0	12764.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25529.0	0.0	25529.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	419.3	1.6
10°-20°	1377.7	5.4
20°-30°	2622.9	10.3
30°-40°	4503.8	17.6
40°-50°	6922.4	27.1
50°-60°	7029.6	27.5
60°-70°	1959.0	7.7
70°-80°	577.9	2.3
80°-90°	116.4	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°	25529.0	100.0
0°-180°	25529.0	100.0

**Coefficient of Utilization**



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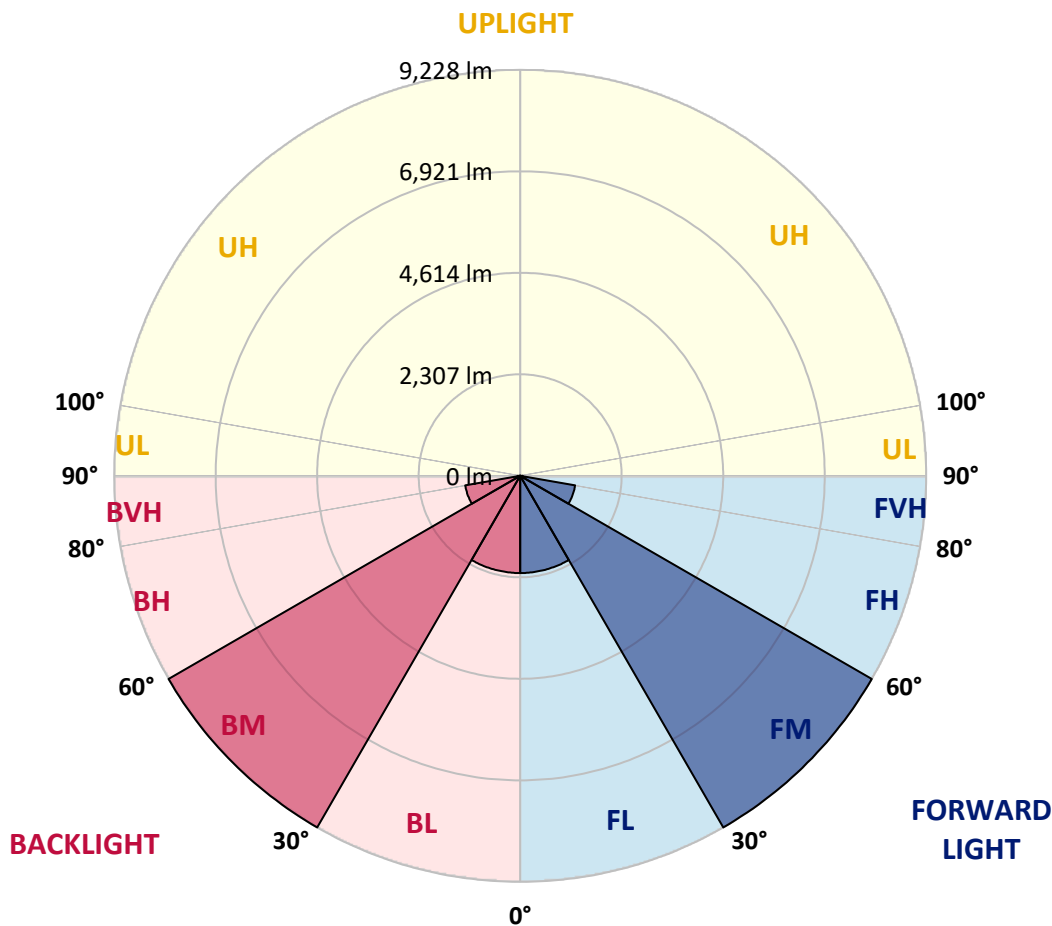
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2210.0	8.7			
FM (30°-60°)	9227.9	36.1			
FH (60°-80°)	1268.5	5.0			G1/1800
FVH (80°-90°)	58.2	0.2			G1/100
BL (0°-30°)	2210.0	8.7	B3/2500		
BM (30°-60°)	9227.9	36.1	B5		
BH (60°-80°)	1268.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	58.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5	4267.5
2.5°	4277.0	4232.7	4248.5	4258.0	4299.2	4296.0	4286.5	4299.2	4311.9	4315.0	4308.7
5°	4273.8	4242.2	4254.8	4264.3	4305.5	4327.7	4321.4	4375.2	4413.2	4403.7	4451.3
7.5°	4248.5	4267.5	4251.7	4299.2	4334.0	4387.9	4444.9	4495.6	4543.1	4597.0	4606.5
10°	4305.5	4305.5	4334.0	4372.1	4463.9	4505.1	4587.5	4660.4	4752.2	4815.6	4790.3
12.5°	4365.7	4375.2	4375.2	4473.4	4549.5	4641.4	4717.4	4815.6	4945.5	5021.5	5059.5
15°	4425.9	4432.3	4463.9	4597.0	4711.1	4856.8	4926.5	5015.2	5088.1	5230.6	5233.8
17.5°	4479.8	4514.6	4609.7	4758.6	4901.1	5040.5	5151.4	5243.3	5306.7	5363.7	5351.0
20°	4682.5	4707.9	4806.1	4955.0	5167.3	5303.5	5341.5	5357.4	5398.5	5512.6	5477.7
22.5°	4879.0	4888.5	4980.3	5208.5	5357.4	5537.9	5579.1	5569.6	5585.5	5614.0	5664.7
25°	5081.7	5097.6	5224.3	5417.6	5626.6	5842.1	5876.9	5804.1	5781.9	5813.6	5816.7
27.5°	5341.5	5344.7	5506.3	5674.2	5911.8	6114.5	6168.4	6111.4	6006.8	6032.2	6073.4
30°	5671.0	5648.8	5810.4	6051.2	6301.5	6415.5	6507.4	6478.9	6364.8	6342.7	6307.8
32.5°	6051.2	6057.5	6203.3	6466.2	6631.0	6821.0	6919.3	6871.7	6798.9	6760.8	6783.0
35°	6586.6	6615.1	6713.3	6931.9	7198.1	7293.1	7448.3	7347.0	7156.9	7204.4	7245.6
37.5°	7027.0	7109.3	7293.1	7552.9	7711.3	7885.5	7942.6	7806.3	7666.9	7609.9	7746.1
40°	7701.8	7676.4	7879.2	8139.0	8373.4	8547.7	8474.8	8338.6	7993.3	7996.4	8034.4
42.5°	8281.6	8294.2	8449.5	8760.0	9079.9	9187.7	8956.4	8623.7	8240.4	8199.2	8281.6
45°	8769.5	8820.2	8908.9	9323.9	9637.5	9754.8	9327.1	8934.2	8421.0	8249.9	8386.1
47.5°	8943.7	9026.1	9219.3	9599.5	9910.0	10005.0	9662.9	9098.9	8588.9	8310.1	8382.9
50°	8969.1	8940.5	9257.4	9605.9	9878.3	10084.2	9783.3	9219.3	8547.7	8402.0	8379.8
52.5°	8275.2	8414.6	8753.6	9232.0	9783.3	10112.8	9891.0	9285.9	8604.7	8440.0	8386.1
55°	6697.5	6532.7	7150.5	7955.2	8969.1	9884.7	9853.0	9320.7	8639.6	8503.3	8430.5
57.5°	3738.4	3785.9	4134.4	5008.9	6317.3	7838.0	8760.0	8953.2	8623.7	8544.5	8582.5
60°	1729.8	1745.7	1894.6	2303.3	3114.3	4444.9	5658.3	6890.7	7457.8	7571.9	7571.9
62.5°	1289.4	1283.1	1321.1	1394.0	1565.1	2043.5	2727.8	3706.7	4486.1	5031.0	5173.6
65°	1165.9	1162.7	1181.7	1207.1	1219.7	1286.3	1438.3	1739.3	1992.8	2138.5	2113.2
67.5°	1020.1	1017.0	1023.3	1039.2	1061.3	1096.2	1134.2	1197.6	1286.3	1279.9	1264.1
70°	823.7	823.7	833.2	845.9	871.2	912.4	956.8	1001.1	1077.2	1093.0	1089.8
72.5°	608.3	598.8	617.8	643.1	668.5	719.2	766.7	807.9	861.7	877.6	871.2
75°	386.5	392.9	405.5	434.0	478.4	513.2	563.9	598.8	633.6	646.3	649.5
77.5°	215.4	221.8	243.9	278.8	323.2	361.2	405.5	434.0	456.2	459.4	462.6
80°	129.9	133.1	155.2	186.9	224.9	266.1	301.0	329.5	348.5	339.0	335.8
82.5°	79.2	82.4	101.4	129.9	161.6	193.3	231.3	256.6	275.6	263.0	250.3
85°	41.2	44.4	60.2	79.2	104.5	120.4	120.4	107.7	104.5	98.2	95.0
87.5°	12.7	12.7	15.8	19.0	15.8	19.0	22.2	25.3	25.3	28.5	25.3
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)