

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: P647048

Luminaire Tested: **GALN-SA7C-835-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-835-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39558.7 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

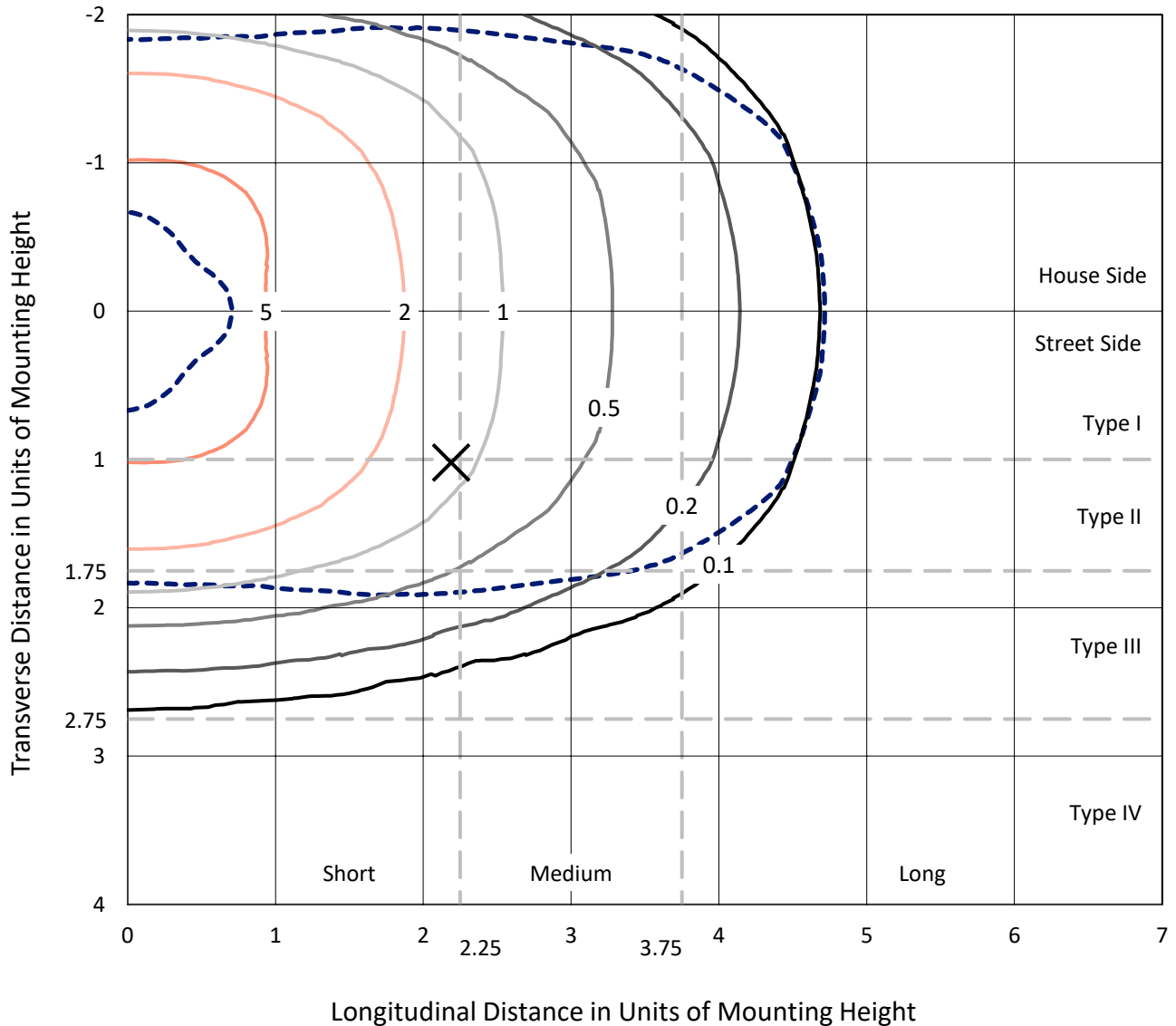
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

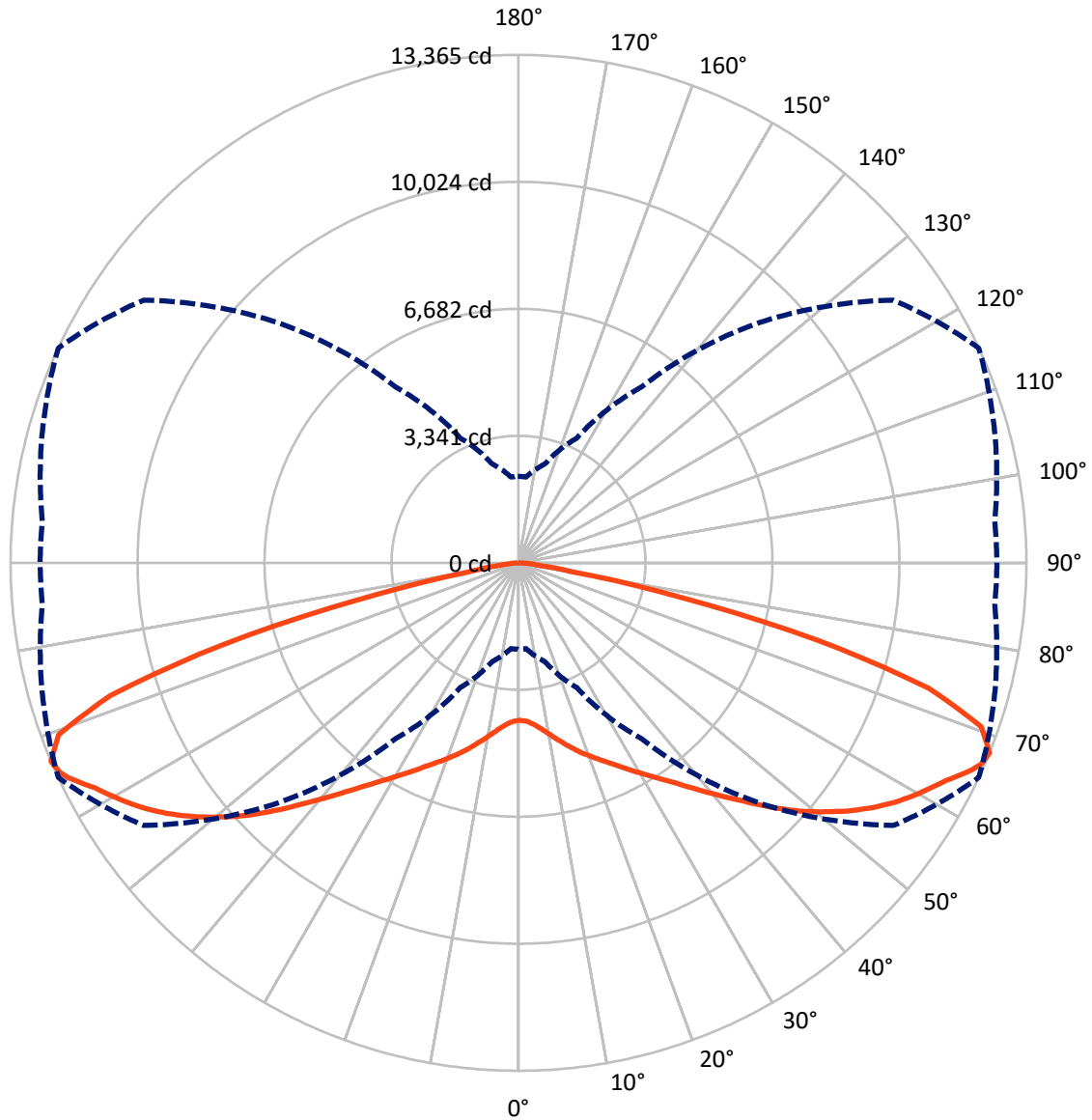
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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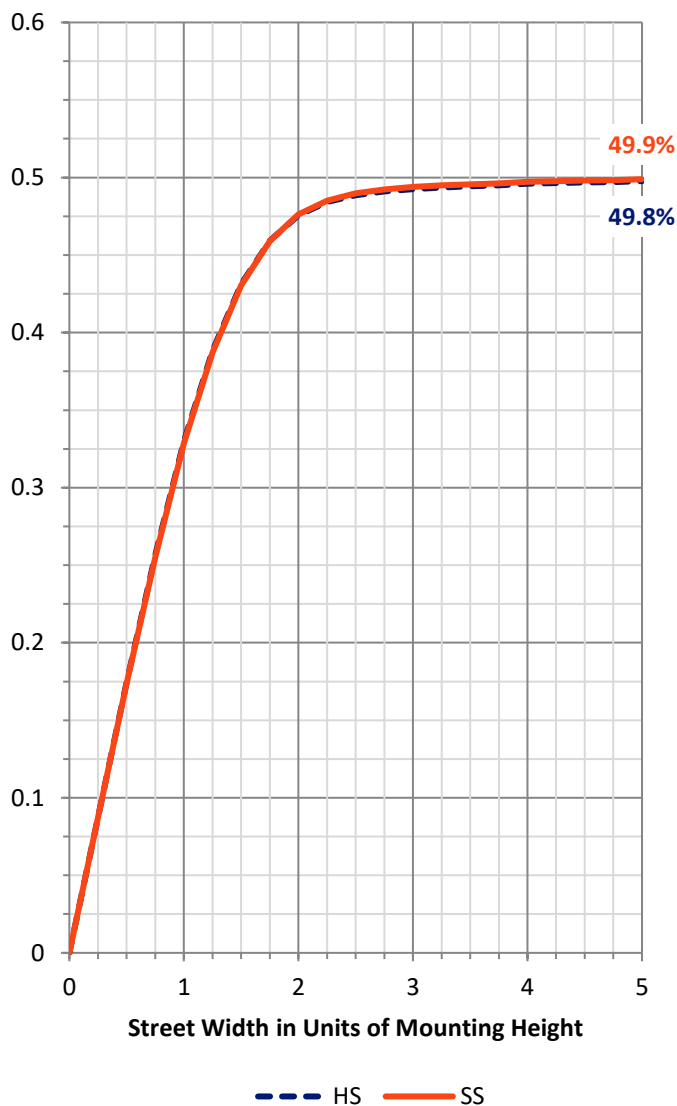
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19779.4	0.0	19779.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19779.4	0.0	19779.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39558.7	0.0	39558.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.7	1.0
10°-20°	1367.7	3.5
20°-30°	2675.4	6.8
30°-40°	4550.5	11.5
40°-50°	7202.0	18.2
50°-60°	9549.7	24.1
60°-70°	9008.3	22.8
70°-80°	4453.3	11.3
80°-90°	343.2	0.9
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°	39558.7	100.0
0°-180°	39558.7	100.0

**Coefficient of Utilization**

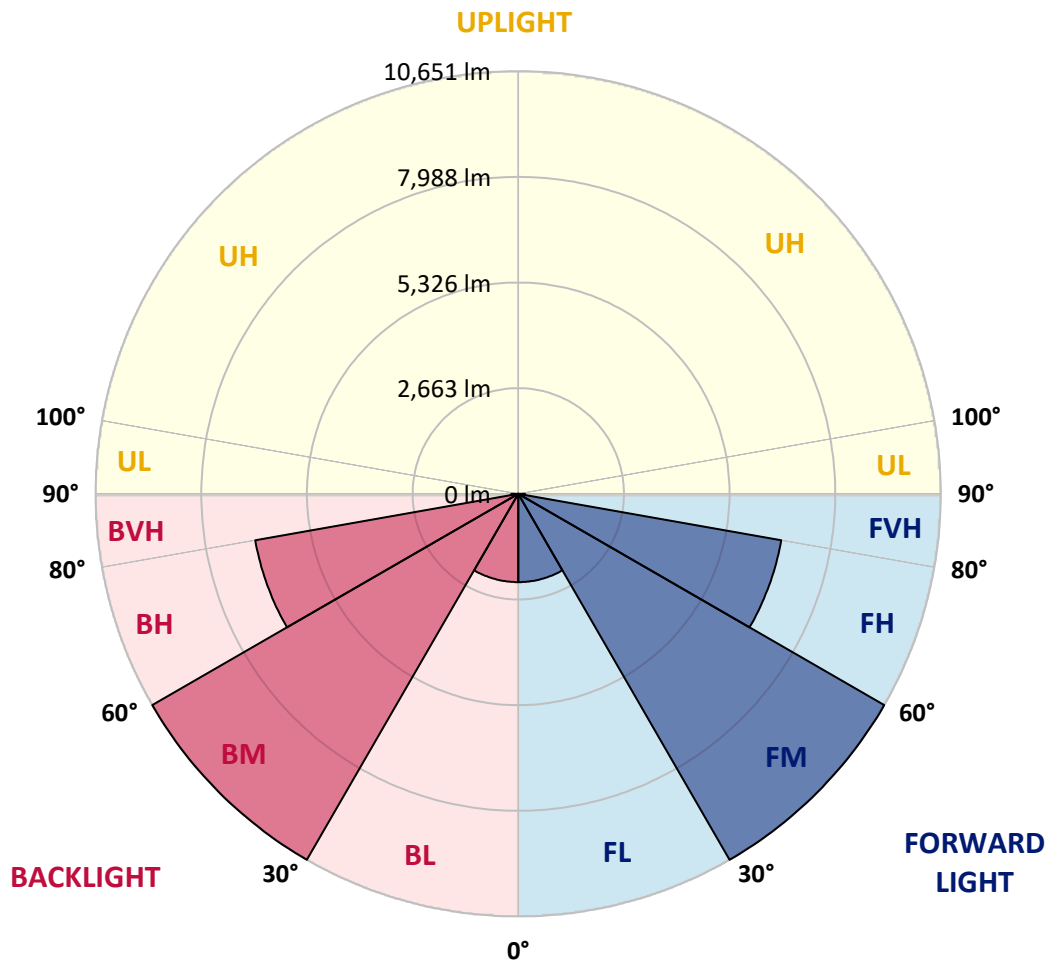


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.9	5.6			
FM (30°-60°)	10651.1	26.9			
FH (60°-80°)	6730.8	17.0			G3/7500
FVH (80°-90°)	171.6	0.4			G2/225
BL (0°-30°)	2225.9	5.6	B3/2500		
BM (30°-60°)	10651.1	26.9	B5		
BH (60°-80°)	6730.8	17.0	B5		G5
BVH (80°-90°)	171.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4	4143.4
2.5°	4122.3	4126.5	4130.7	4137.1	4145.5	4158.3	4166.7	4173.1	4190.1	4192.2	4190.1
5°	4107.4	4111.6	4122.3	4141.3	4168.8	4207.0	4236.7	4272.7	4300.2	4319.3	4315.1
7.5°	4105.3	4113.7	4130.7	4171.0	4224.0	4289.7	4357.5	4418.9	4471.9	4514.3	4508.0
10°	4139.2	4149.8	4177.3	4236.7	4319.3	4414.7	4510.1	4601.2	4677.5	4732.6	4751.7
12.5°	4196.4	4204.9	4255.8	4344.8	4463.5	4582.1	4690.2	4802.5	4908.5	5001.8	5001.8
15°	4296.0	4310.9	4374.5	4503.7	4650.0	4787.7	4897.9	5016.6	5131.1	5237.0	5268.8
17.5°	4433.8	4455.0	4550.3	4715.7	4902.2	5029.4	5133.2	5230.7	5330.3	5432.0	5446.9
20°	4622.4	4643.6	4770.7	4970.0	5190.4	5343.0	5413.0	5436.3	5485.0	5582.5	5595.2
22.5°	4878.9	4900.1	5042.1	5266.7	5512.6	5677.8	5707.5	5652.5	5639.7	5716.1	5724.5
25°	5169.2	5188.3	5351.5	5593.1	5847.4	6027.6	6019.1	5883.5	5807.1	5853.8	5866.5
27.5°	5495.6	5523.1	5688.5	5938.6	6214.0	6373.1	6347.6	6150.5	5987.3	5978.8	5983.1
30°	5913.1	5942.8	6099.6	6339.1	6610.4	6756.7	6703.7	6438.8	6186.6	6101.8	6101.8
32.5°	6354.0	6428.1	6587.1	6837.2	7049.1	7155.1	7074.6	6756.7	6421.8	6303.1	6296.7
35°	6928.3	6968.6	7125.5	7369.1	7528.1	7610.8	7456.0	7114.8	6729.1	6589.2	6570.2
37.5°	7489.9	7523.8	7706.1	7939.3	8132.2	8127.9	7918.1	7540.8	7110.6	6953.7	6941.1
40°	8064.4	8100.4	8308.0	8522.1	8714.9	8698.0	8443.7	8021.9	7564.2	7388.2	7422.1
42.5°	8562.3	8602.7	8837.9	9143.1	9316.9	9312.6	9018.0	8543.3	8066.5	7909.6	7939.3
45°	9015.9	9051.9	9325.4	9675.1	9929.4	9961.2	9639.0	9136.7	8647.1	8445.8	8454.3
47.5°	9335.9	9403.8	9689.9	10090.4	10435.9	10548.3	10232.5	9740.8	9177.0	8967.2	8979.9
50°	9579.7	9622.1	9933.6	10389.3	10825.9	11059.0	10804.7	10300.3	9706.9	9484.3	9514.0
52.5°	9609.4	9660.3	9999.3	10524.9	11084.5	11438.4	11313.3	10847.1	10247.3	10018.4	10082.0
55°	9367.7	9397.4	9802.2	10440.1	11186.2	11720.3	11752.0	11355.8	10762.3	10588.5	10630.9
57.5°	8678.9	8755.3	9268.1	10043.9	11046.3	11870.7	12080.6	11817.7	11283.7	11112.0	11179.8
60°	7549.3	7625.6	8140.6	9124.0	10518.6	11800.8	12351.9	12226.9	11756.3	11618.5	11654.6
62.5°	5915.3	5908.9	6546.8	7752.8	9469.4	11457.5	12553.2	12621.0	12222.6	12048.8	12103.9
65°	3834.0	3853.1	4469.8	5769.0	7886.3	10584.3	12597.7	13123.3	12680.4	12417.6	12457.8
66°	3083.7	3140.9	3664.4	4861.9	7078.8	10012.1	12464.2	13271.7	12820.2	12502.3	12521.4
67.5°	2276.3	2265.6	2695.9	3620.0	5652.5	8924.8	12046.7	13364.9	12979.2	12578.7	12587.1
70°	1299.2	1297.0	1449.6	1988.0	3323.2	6284.0	10154.0	12917.8	13301.4	12854.2	12830.9
72.5°	949.5	943.1	964.3	1097.8	1621.4	3172.7	7004.6	11290.1	13136.1	12809.6	12744.0
75°	796.9	792.6	788.4	805.4	909.2	1437.0	3717.4	8121.5	11398.1	12023.4	11955.5
77.5°	650.7	650.7	652.8	648.6	652.8	756.6	1540.8	4353.2	6941.1	7748.5	7937.2
80°	508.6	506.5	542.5	527.7	493.8	485.4	682.5	1400.9	2303.8	2291.1	1890.5
82.5°	375.1	349.7	413.3	402.7	364.6	309.4	398.5	597.7	769.4	500.2	370.9
85°	237.4	235.3	292.5	267.1	222.5	146.3	190.7	256.4	317.9	192.9	156.8
87.5°	42.4	40.2	93.3	67.8	67.8	42.4	53.0	69.9	103.8	72.0	53.0
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)