

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: P647067

Luminaire Tested: **GALN-SA7C-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
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-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38274.6 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

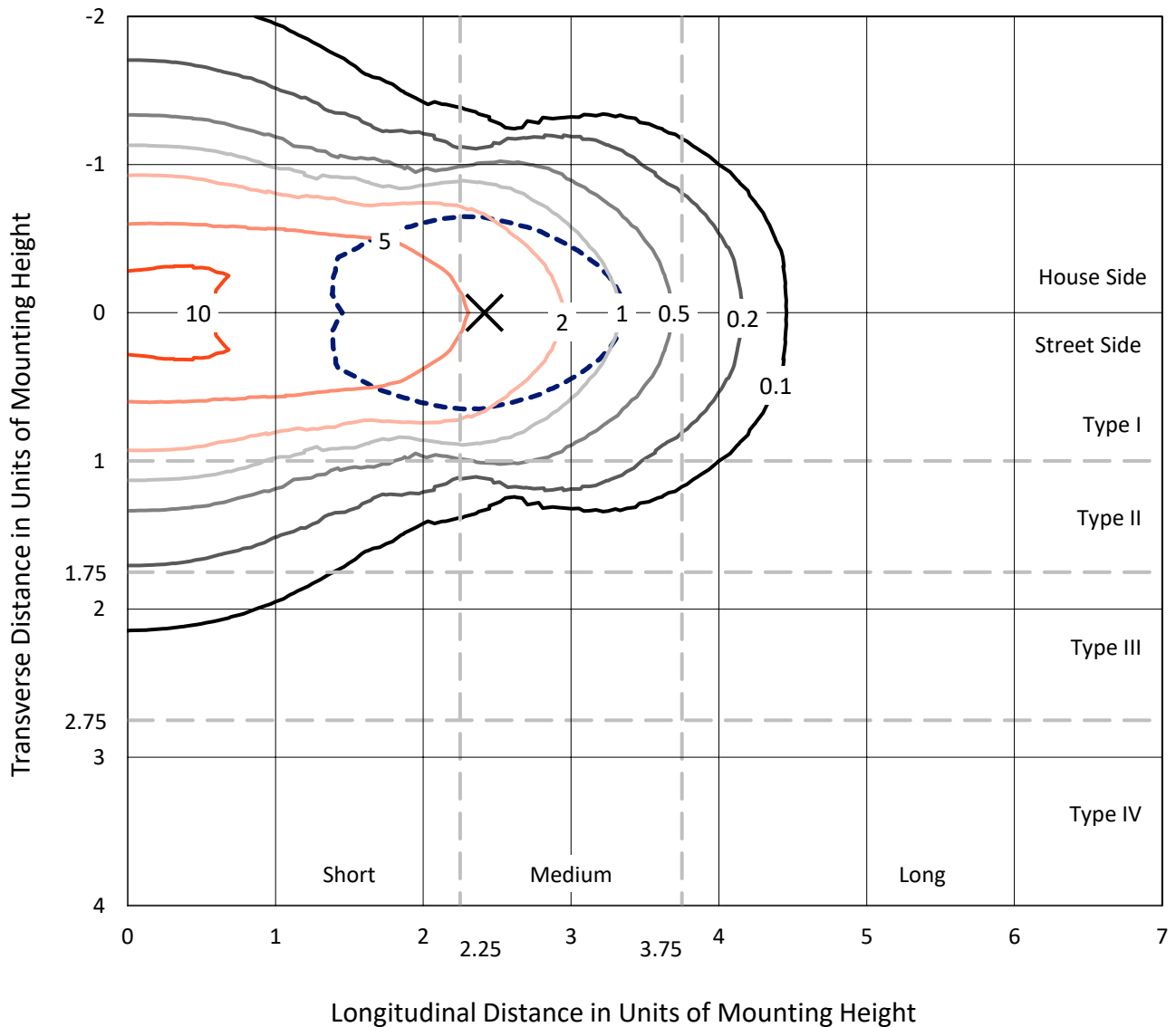
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

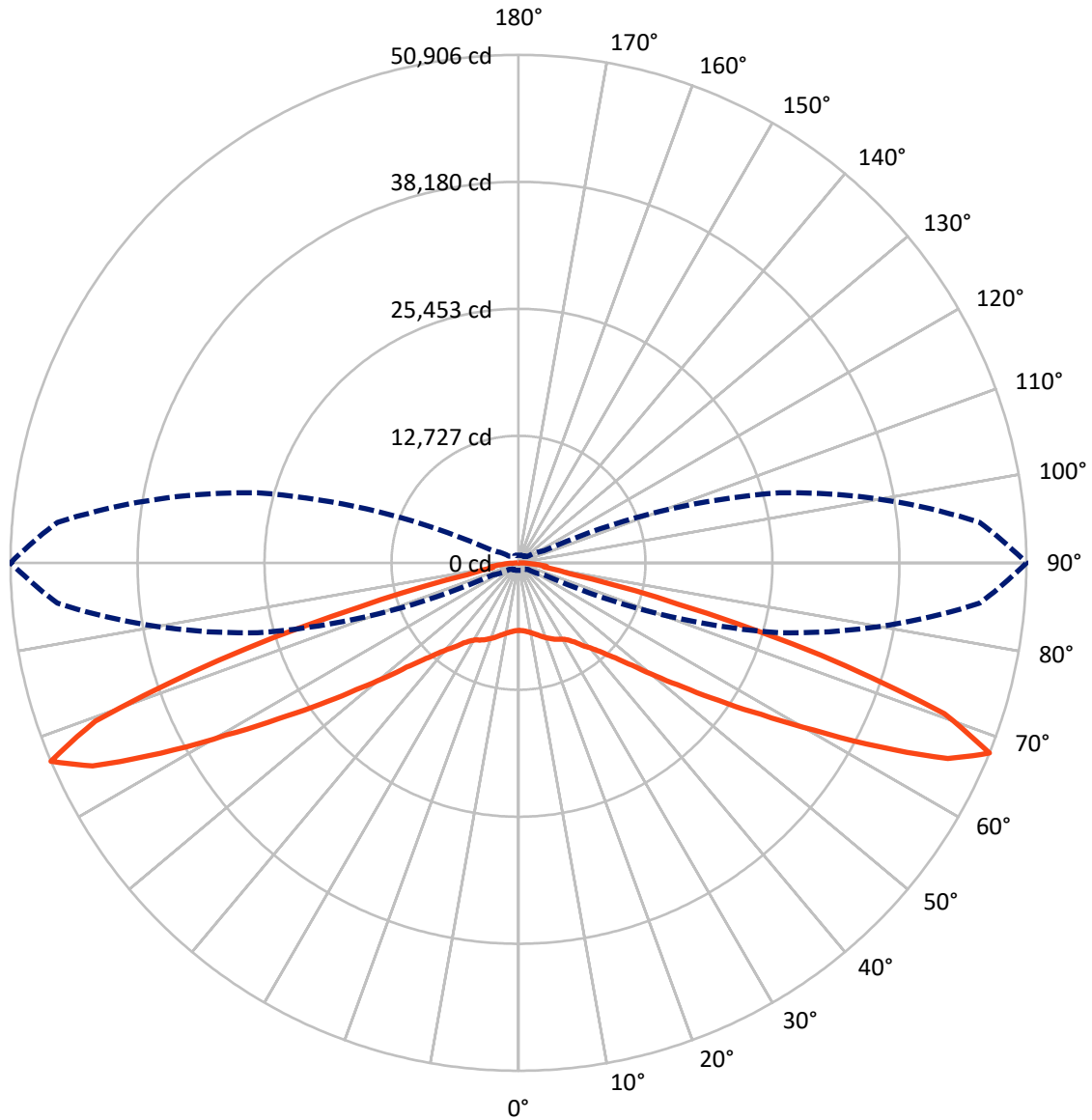
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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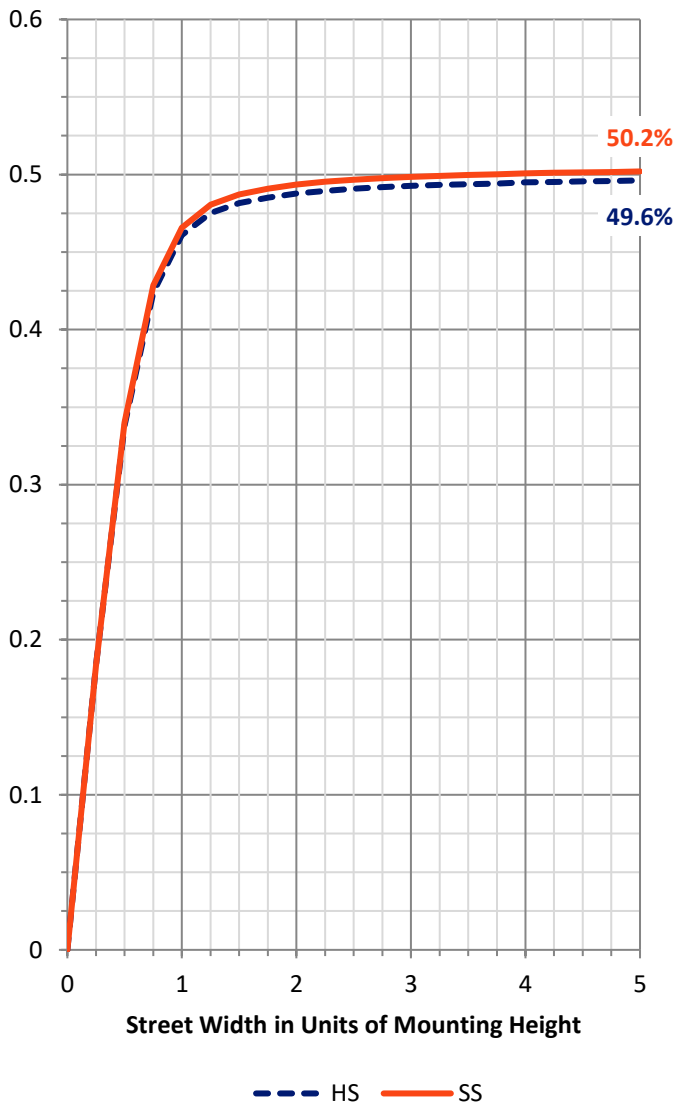
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19137.3	0.0	19137.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19137.3	0.0	19137.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38274.6	0.0	38274.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	675.5	1.8
10°-20°	2161.4	5.6
20°-30°	3617.6	9.5
30°-40°	4900.9	12.8
40°-50°	6207.8	16.2
50°-60°	7755.1	20.3
60°-70°	9115.8	23.8
70°-80°	3487.2	9.1
80°-90°	353.3	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°	38274.6	100.0
0°-180°	38274.6	100.0



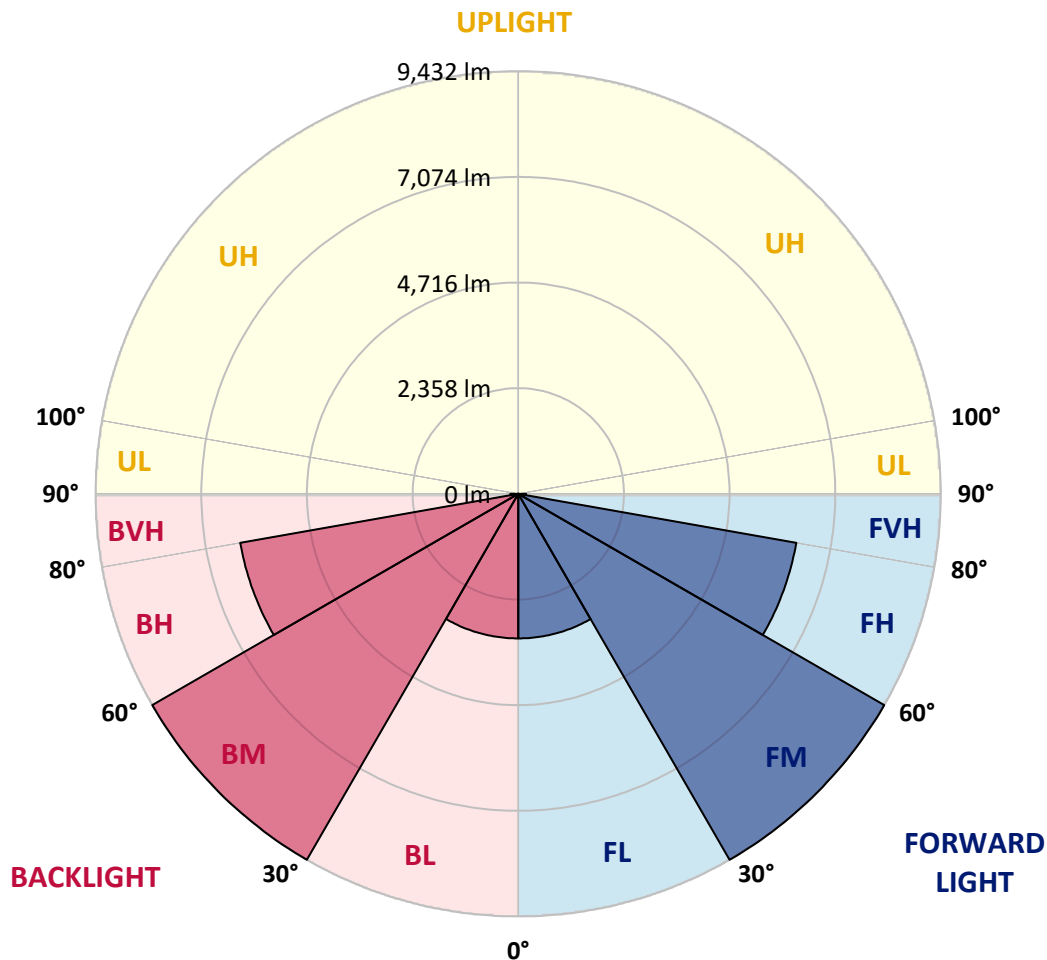
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3227.3	8.4			
FM (30°-60°)	9431.9	24.6			
FH (60°-80°)	6301.5	16.5			G3/7500
FVH (80°-90°)	176.6	0.5			G2/225
BL (0°-30°)	3227.3	8.4	B4/5000		
BM (30°-60°)	9431.9	24.6	B5		
BH (60°-80°)	6301.5	16.5	B5		G5
BVH (80°-90°)	176.6	0.5			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 I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8	6775.8
2.5°	6862.7	6858.5	6860.6	6858.5	6864.8	6860.6	6835.1	6814.0	6797.0	6799.1	6792.8
5°	7008.9	7011.1	7013.2	7002.6	7017.4	7008.9	6968.7	6934.7	6900.8	6888.1	6883.9
7.5°	7129.8	7140.3	7146.7	7157.3	7182.7	7182.7	7161.6	7112.8	7038.6	6996.2	6994.1
10°	7250.6	7259.0	7278.1	7312.0	7354.4	7394.7	7386.2	7320.5	7225.1	7153.0	7136.1
12.5°	7292.9	7303.5	7367.1	7464.6	7560.0	7638.4	7638.4	7585.4	7462.5	7352.3	7320.5
15°	7144.6	7163.7	7278.1	7485.8	7735.9	7907.6	7945.7	7871.6	7740.1	7570.6	7532.5
17.5°	6850.0	6896.6	7064.1	7371.3	7786.8	8142.8	8253.1	8217.0	8047.4	7831.3	7786.8
20°	6534.2	6585.0	6763.1	7170.0	7744.3	8280.6	8600.6	8609.1	8399.2	8085.6	8019.9
22.5°	6186.6	6224.8	6453.6	6930.5	7617.2	8312.4	8899.4	9045.7	8761.7	8340.0	8246.7
25°	5796.6	5839.0	6078.5	6593.6	7377.7	8276.3	9172.8	9495.0	9141.1	8611.2	8492.5
27.5°	5423.6	5440.6	5697.0	6220.5	7062.0	8183.1	9374.2	9908.3	9560.7	8835.8	8685.4
30°	5065.4	5105.7	5332.5	5849.6	6699.5	8000.9	9548.0	10378.8	10012.1	9071.1	8878.3
32.5°	4686.0	4734.8	4980.7	5504.2	6337.1	7727.4	9654.0	10893.8	10641.6	9452.6	9247.1
35°	4321.5	4353.3	4601.3	5109.9	5983.1	7409.5	9673.0	11474.6	11453.3	10031.2	9757.8
37.5°	3948.5	3995.1	4245.2	4732.7	5608.0	7072.5	9577.7	12091.3	12432.6	10834.5	10539.9
40°	3590.3	3630.5	3876.4	4368.1	5182.0	6661.4	9350.9	12655.1	13574.9	11661.1	11243.6
42.5°	3200.4	3210.9	3480.1	3980.3	4764.5	6184.4	9024.5	13157.4	14848.7	12769.6	12250.3
45°	2757.3	2784.9	3035.0	3526.7	4285.4	5650.4	8581.5	13572.8	16463.7	14306.1	13598.2
47.5°	2314.4	2337.7	2566.6	3052.0	3762.0	5037.9	7899.1	13937.3	18121.0	16258.1	15329.8
50°	1882.0	1894.8	2081.3	2511.6	3172.8	4393.6	7053.4	14053.9	19994.6	19021.8	17837.1
52.5°	1487.9	1506.9	1648.9	1985.9	2543.3	3632.7	6140.0	13765.7	22181.9	22298.4	20628.4
55°	1206.0	1212.3	1318.3	1566.2	1988.0	2835.8	5037.9	12962.4	24534.4	26497.0	24367.0
57.5°	1038.5	1042.7	1102.1	1239.9	1530.2	2138.5	3908.2	11442.8	26647.5	31416.2	28677.9
60°	943.1	945.2	979.1	1059.7	1212.3	1640.5	2799.8	9297.9	28733.0	36890.7	34035.8
62.5°	883.8	883.8	907.1	951.7	1025.8	1258.9	2028.3	6708.0	30161.6	42445.7	40640.0
65°	826.6	826.6	843.5	875.3	915.6	1030.0	1498.4	4374.5	30125.5	46491.6	47282.2
67.5°	760.8	760.8	773.6	805.4	828.7	885.9	1157.2	2865.5	27060.8	46402.7	50906.4
70°	682.5	682.5	699.4	726.9	746.0	782.1	913.4	1960.5	19880.2	39620.5	45273.0
72.5°	604.0	606.1	616.8	644.3	659.1	680.3	758.7	1373.4	12195.1	26978.1	31655.7
75°	517.2	521.4	532.0	559.5	572.2	580.8	640.1	979.1	6169.6	14545.6	16561.2
77.5°	417.5	426.0	432.4	462.0	470.5	483.3	527.7	707.9	2708.6	5226.5	5273.1
80°	305.2	315.8	334.9	362.5	368.8	377.2	402.7	502.3	1227.1	2386.5	2592.0
82.5°	224.6	239.5	216.2	252.2	252.2	241.6	284.0	337.0	563.8	2363.2	2827.3
85°	122.9	125.0	112.4	129.3	137.7	135.6	150.5	165.3	273.4	1576.9	1625.6
87.5°	29.7	31.8	33.9	40.2	48.8	48.8	53.0	46.6	89.0	510.8	292.5
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)