

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: P647037

Luminaire Tested: **GALN-SA7C-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7C-835-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34535 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

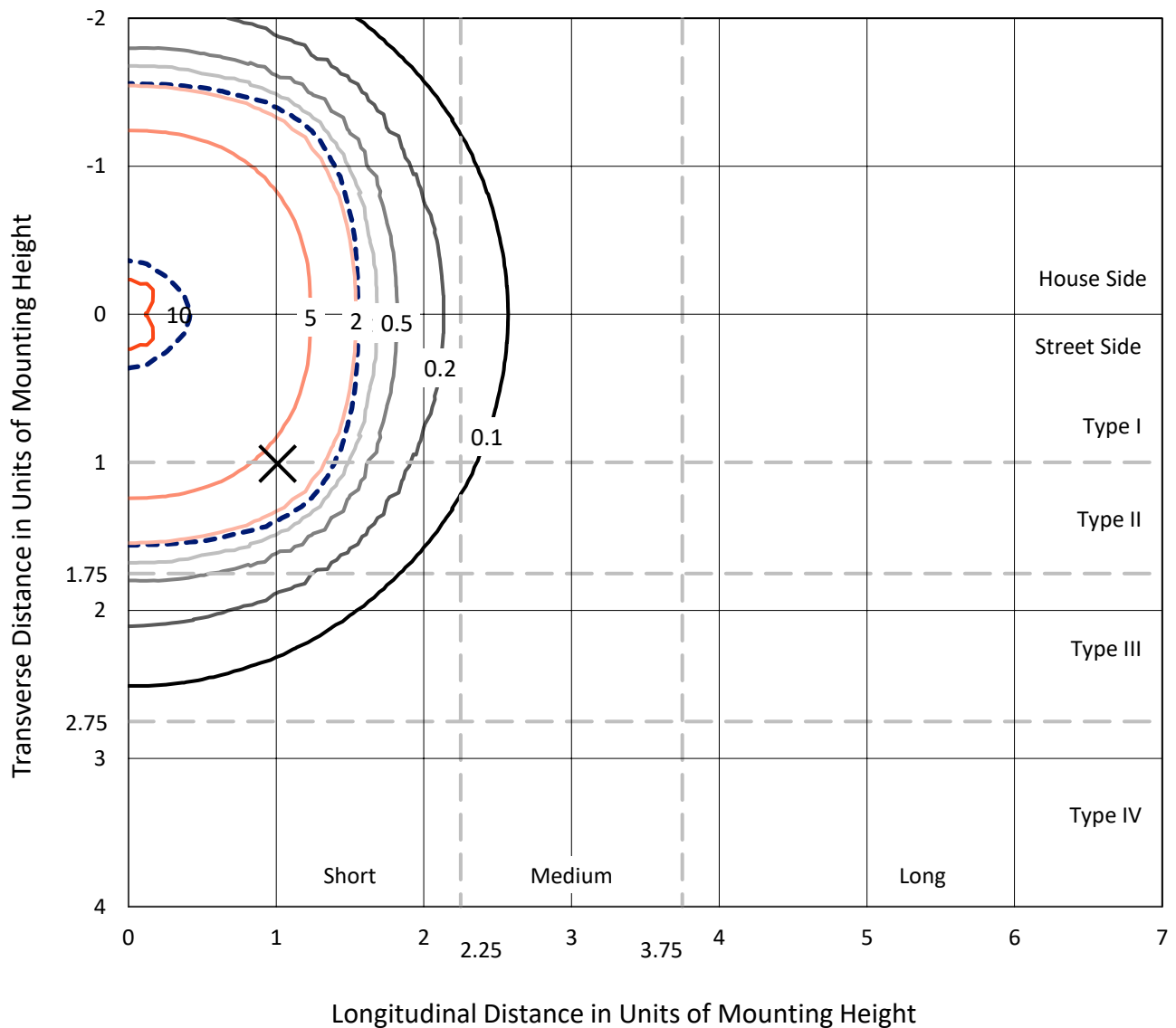
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

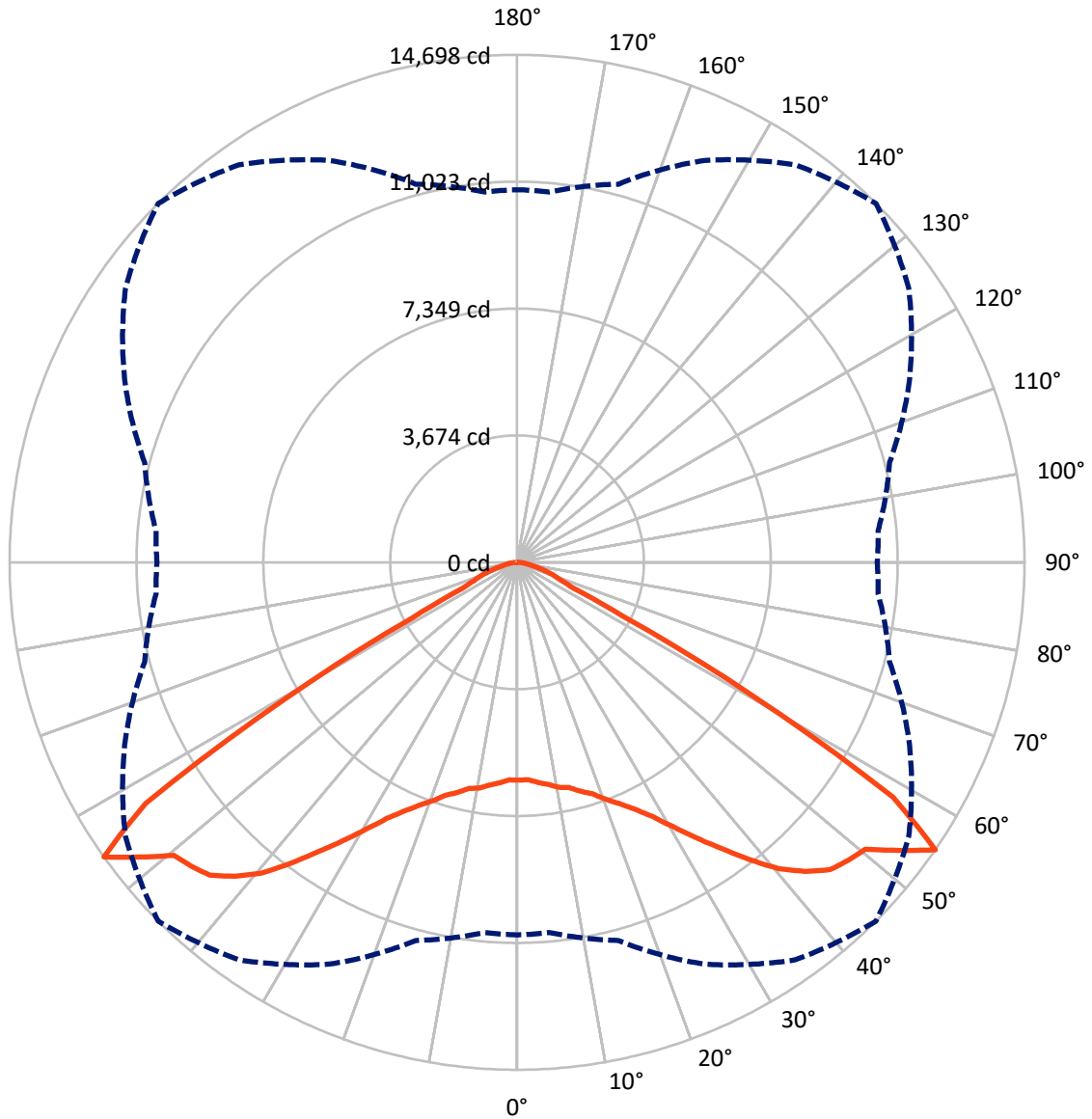
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17267.5	0.0	17267.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17267.5	0.0	17267.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34535.0	0.0	34535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.0	1.8
10°-20°	1951.8	5.7
20°-30°	3639.5	10.5
30°-40°	6093.6	17.6
40°-50°	9482.2	27.5
50°-60°	9845.5	28.5
60°-70°	2087.9	6.0
70°-80°	687.6	2.0
80°-90°	131.0	0.4
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°	34535.0	100.0
0°-180°	34535.0	100.0

**Coefficient of Utilization**



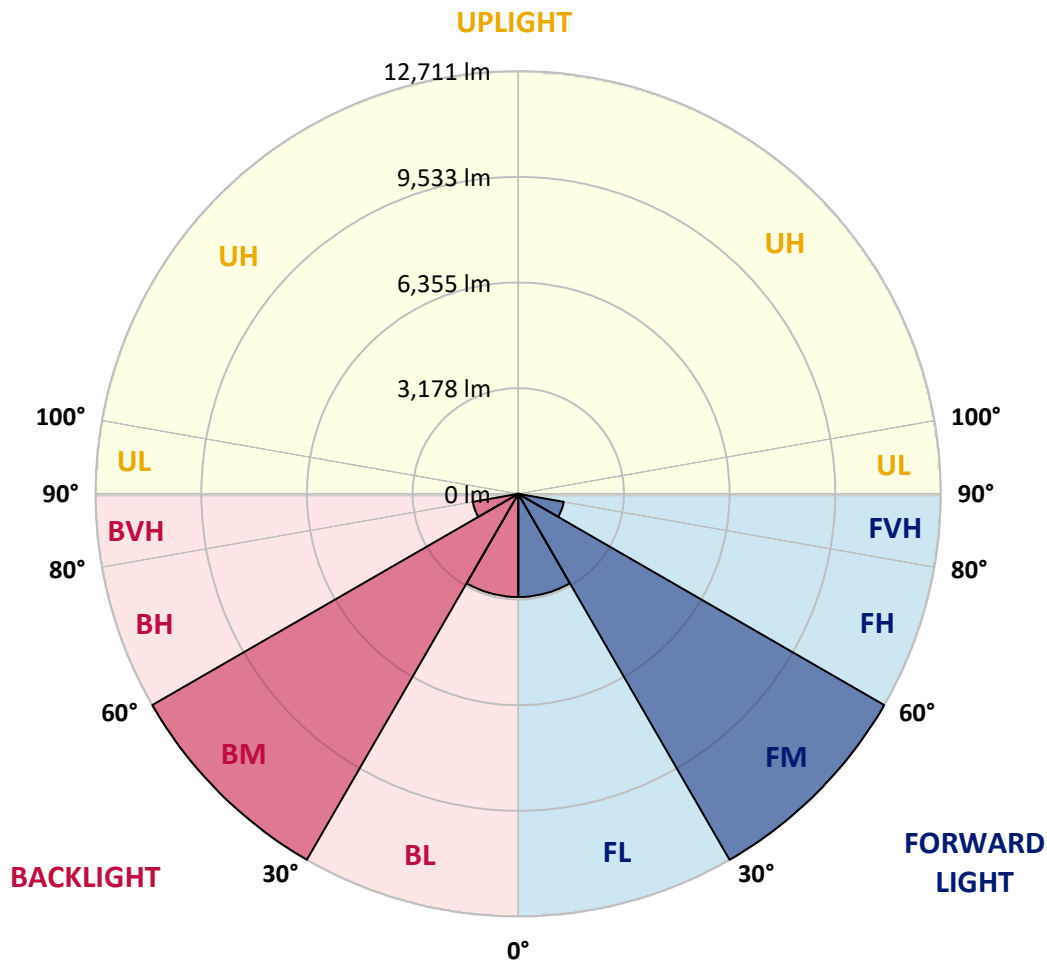
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3103.6	9.0			
FM (30°-60°)	12710.6	36.8			
FH (60°-80°)	1387.8	4.0			G1/1800
FVH (80°-90°)	65.5	0.2			G1/100
BL (0°-30°)	3103.6	9.0	B4/5000		
BM (30°-60°)	12710.6	36.8	B5		
BH (60°-80°)	1387.8	4.0	B3/2500		G1/1800
BVH (80°-90°)	65.5	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°	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6	6305.6
2.5°	6380.7	6351.5	6301.4	6338.9	6368.1	6305.6	6330.6	6343.2	6334.8	6301.4	6314.0
5°	6472.5	6455.8	6414.1	6443.3	6405.7	6405.7	6380.7	6347.3	6397.3	6389.0	6409.9
7.5°	6472.5	6451.6	6535.1	6480.8	6497.6	6497.6	6455.8	6422.4	6447.5	6409.9	6389.0
10°	6601.9	6631.1	6593.5	6606.0	6597.7	6626.9	6564.3	6543.5	6522.5	6510.1	6485.0
12.5°	6756.3	6735.4	6747.9	6739.6	6768.8	6693.7	6656.1	6610.2	6647.7	6593.5	6631.1
15°	6881.5	6868.9	6881.5	6914.8	6885.6	6881.5	6814.7	6768.8	6710.4	6722.9	6664.4
17.5°	7052.6	7040.0	7044.2	7073.5	7069.2	7048.4	6998.3	6910.7	6889.8	6856.4	6818.8
20°	7307.1	7286.3	7277.9	7290.4	7311.3	7328.0	7227.8	7194.4	7123.5	7069.2	7006.7
22.5°	7524.2	7515.8	7549.1	7494.9	7540.8	7590.9	7494.9	7478.2	7303.0	7273.8	7207.0
25°	7824.6	7812.1	7791.2	7870.5	7924.7	7920.6	7828.7	7737.0	7603.4	7570.0	7570.0
27.5°	8141.7	8070.8	8179.3	8200.2	8296.1	8325.3	8246.1	8112.5	7987.3	7916.4	7933.1
30°	8538.2	8471.4	8496.5	8646.7	8771.9	8880.4	8680.1	8484.0	8308.6	8183.4	8162.6
32.5°	8934.7	8867.9	8943.0	9089.1	9339.5	9502.2	9306.0	8963.9	8759.3	8575.7	8613.3
35°	9256.0	9306.0	9427.1	9648.2	9907.0	10169.9	9856.9	9594.0	9301.9	9097.4	9126.6
37.5°	9773.4	9927.8	10023.8	10278.4	10645.6	10916.9	10591.3	10249.2	9936.2	9669.1	9577.3
40°	10449.4	10553.8	10662.3	10962.8	11396.8	11668.0	11359.2	10912.7	10603.9	10328.5	10315.9
42.5°	11192.3	11292.4	11405.1	11772.3	12031.1	12235.5	11951.8	11713.9	11371.7	11154.7	11142.2
45°	12056.2	11985.1	12110.3	12352.5	12569.4	12702.9	12519.3	12402.5	12156.3	11955.9	11935.1
47.5°	12632.0	12569.4	12794.8	13011.7	13045.2	12899.1	12936.6	13045.2	12786.4	12456.7	12561.0
50°	12965.9	12965.9	13116.1	13316.4	13253.8	13066.0	13362.3	13370.7	13112.0	12819.8	12819.8
52.5°	12385.8	12515.2	12940.8	13596.0	13804.7	13858.9	13792.2	13508.4	12832.4	12235.5	12206.3
55°	10791.7	10762.5	11338.4	12840.7	14055.1	14697.7	13846.4	12540.2	11167.2	10495.4	10428.6
57.5°	7019.2	7052.6	7912.2	9443.8	11634.7	12832.4	11396.8	9560.6	7912.2	6985.8	7073.5
60°	3159.0	3271.7	3793.3	4936.8	6818.8	7795.4	6835.6	5187.2	3981.2	3455.3	3501.3
62.5°	1815.3	1836.1	1857.0	2203.4	2904.5	3434.5	3017.1	2328.6	2053.2	1961.3	1961.3
65°	1531.5	1519.0	1523.2	1552.4	1627.5	1736.0	1690.1	1627.5	1635.8	1627.5	1615.0
67.5°	1302.1	1318.7	1306.2	1327.0	1331.3	1347.9	1377.1	1402.2	1406.3	1414.7	1406.3
70°	1068.3	1072.5	1080.9	1097.5	1101.7	1114.2	1155.9	1176.8	1189.3	1189.3	1206.1
72.5°	817.9	813.8	822.1	838.8	859.7	863.8	901.4	930.6	947.3	926.4	930.6
75°	538.3	542.5	555.0	567.5	596.7	625.9	638.5	667.7	671.9	680.2	659.4
77.5°	321.3	329.6	342.2	367.2	392.3	417.3	446.5	467.4	475.8	467.4	442.3
80°	208.7	208.7	225.3	246.2	275.5	296.3	313.0	329.6	342.2	329.6	321.3
82.5°	129.4	129.4	150.3	175.2	196.1	208.7	233.7	254.6	267.1	258.7	246.2
85°	66.8	70.9	87.6	108.5	125.2	133.5	129.4	116.8	104.3	100.1	91.8
87.5°	20.8	20.8	25.1	25.1	20.8	20.8	25.1	20.8	25.1	25.1	25.1
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)