

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: P526038

Luminaire Tested: **GALN-SA1A-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526038  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3416 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

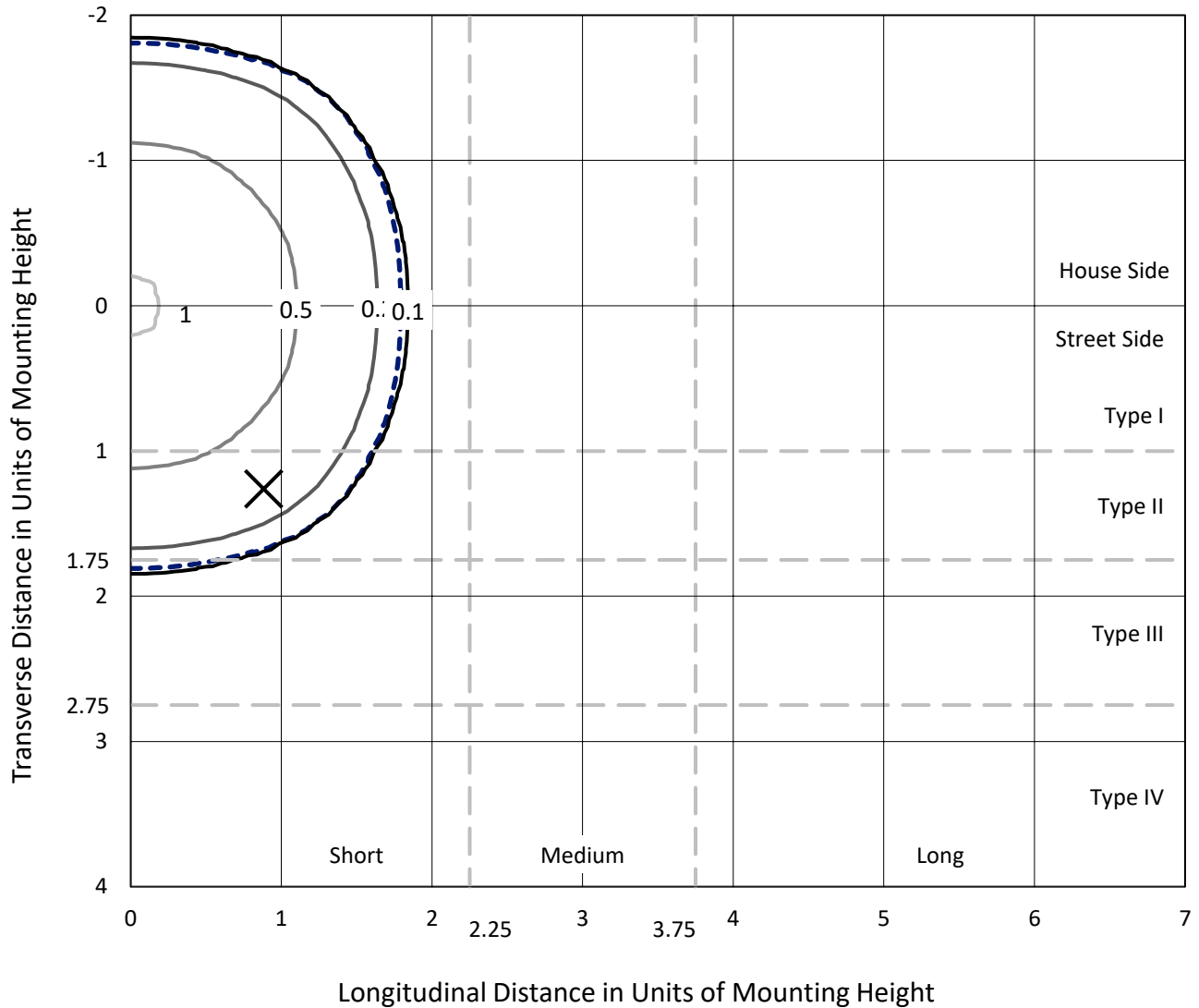
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

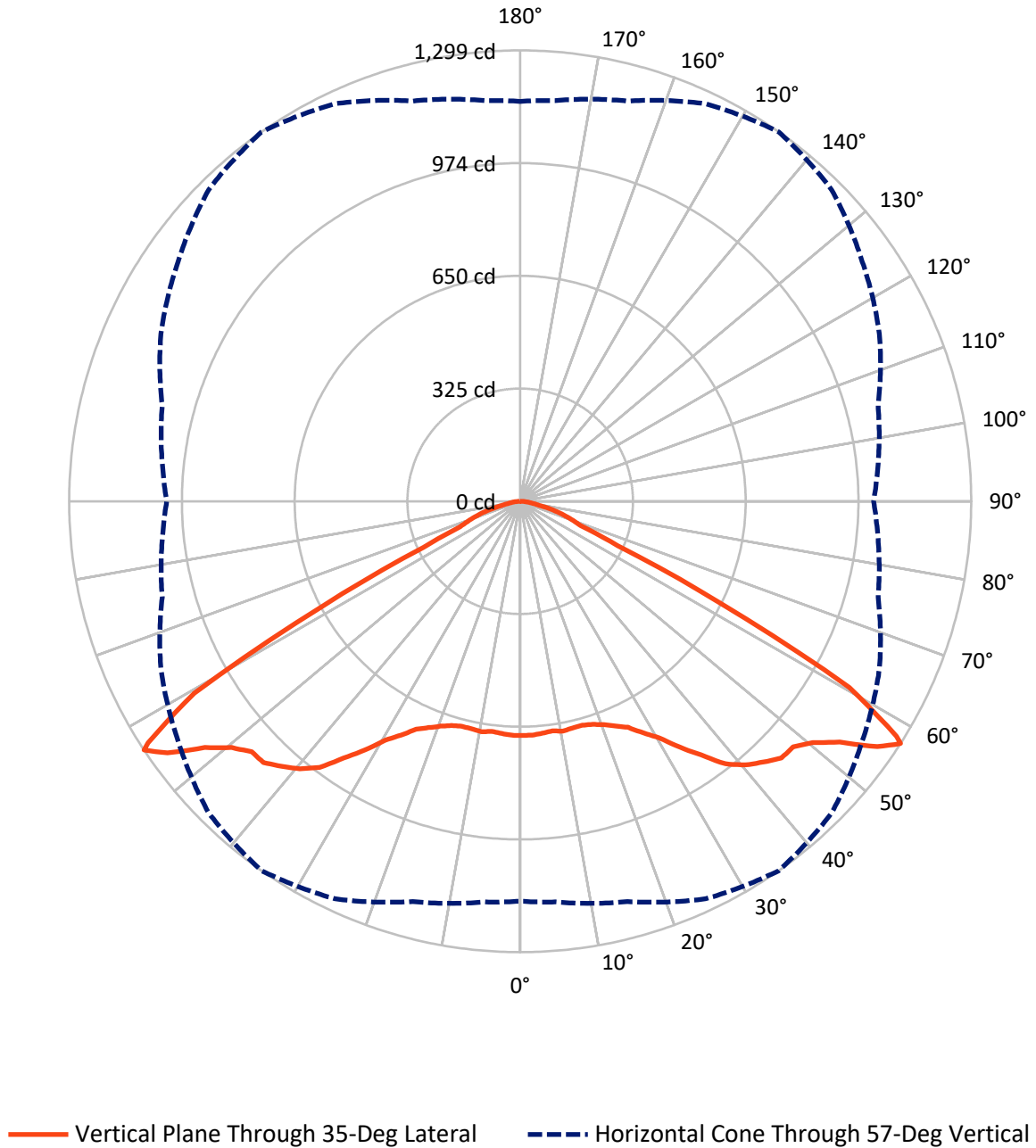
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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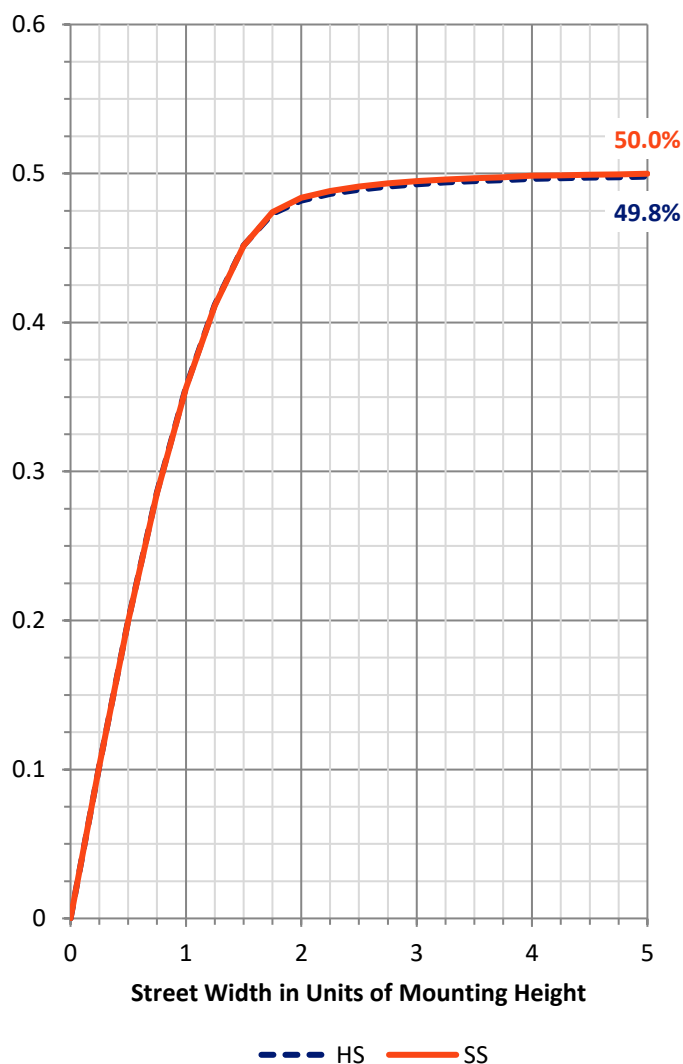
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1708.0	0.0	1708.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1708.0	0.0	1708.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3416.0	0.0	3416.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	1.9
10°-20°	189.4	5.5
20°-30°	330.8	9.7
30°-40°	542.1	15.9
40°-50°	794.8	23.3
50°-60°	1001.1	29.3
60°-70°	376.5	11.0
70°-80°	100.1	2.9
80°-90°	17.2	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°	3416.0	100.0
0°-180°	3416.0	100.0

**Coefficient of Utilization**



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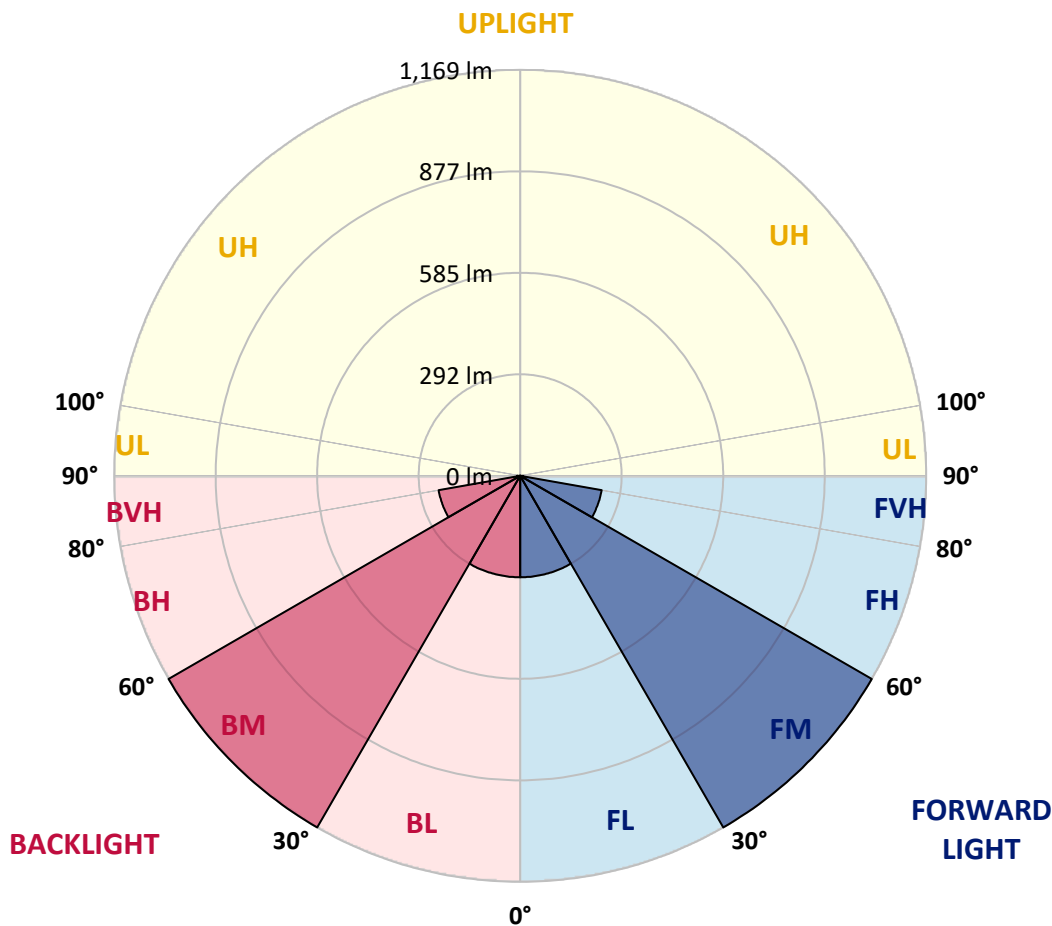
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.1	8.6			
FM (30°-60°)	1169.0	34.2			
FH (60°-80°)	238.3	7.0			G0/660
FVH (80°-90°)	8.6	0.3			G0/10
BL (0°-30°)	292.1	8.6	B1/500		
BM (30°-60°)	1169.0	34.2	B2/2500		
BH (60°-80°)	238.3	7.0	B1/500		G0/660
BVH (80°-90°)	8.6	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	671.3	678.0	675.1	673.4	674.6	672.5	669.2	673.0	672.1	668.7	667.5
5°	669.6	674.6	671.3	674.6	671.3	677.2	675.5	669.2	676.7	669.6	672.1
7.5°	668.3	670.0	670.8	669.2	667.9	675.1	671.3	668.3	664.1	662.9	665.0
10°	665.4	669.6	663.3	671.7	673.4	668.3	668.3	662.9	659.5	657.4	664.5
12.5°	673.0	665.8	665.0	669.2	670.4	672.5	666.6	663.7	657.4	658.2	657.0
15°	664.1	667.1	667.5	668.3	669.6	674.6	669.2	662.9	660.3	651.5	652.3
17.5°	667.5	664.5	667.5	677.2	675.5	679.3	673.4	663.7	657.8	652.8	659.5
20°	673.4	672.1	673.4	685.2	687.3	690.6	685.6	676.7	665.4	659.5	662.9
22.5°	679.7	678.8	679.7	691.0	703.3	707.5	702.4	681.8	675.9	665.0	661.2
25°	691.0	691.9	700.7	713.4	721.4	729.3	720.1	705.4	686.4	679.7	671.7
27.5°	716.3	718.4	723.5	742.0	755.9	763.0	750.0	729.8	718.0	704.1	702.0
30°	747.4	747.4	756.3	772.3	791.2	802.2	786.2	762.2	747.9	740.3	735.7
32.5°	788.7	784.1	787.4	815.6	845.1	854.3	832.9	803.4	780.7	770.6	767.2
35°	824.0	827.0	834.6	864.9	897.7	919.2	885.5	847.2	824.0	814.8	813.1
37.5°	869.9	875.0	878.8	920.4	960.0	968.0	935.6	904.8	876.6	869.1	864.9
40°	934.7	931.4	932.6	963.3	999.1	1004.2	972.2	950.3	927.1	922.5	922.5
42.5°	988.2	984.4	988.6	1000.0	1027.3	1023.5	1005.8	989.9	980.2	975.1	980.2
45°	1020.6	1019.7	1027.3	1035.7	1055.1	1042.5	1028.6	1031.1	1021.8	1013.4	1013.0
47.5°	1055.9	1050.5	1059.7	1072.3	1057.6	1051.7	1050.9	1056.4	1053.4	1038.7	1034.0
50°	1073.2	1071.1	1085.8	1100.5	1092.5	1079.1	1082.0	1090.9	1053.0	1033.2	1021.8
52.5°	1119.5	1119.9	1148.1	1156.1	1152.7	1132.9	1139.3	1115.3	1070.7	1042.9	1044.1
55°	1192.3	1189.3	1220.9	1244.5	1248.3	1223.0	1192.7	1159.0	1103.1	1074.9	1066.5
57°	1152.3	1159.0	1194.0	1263.8	1299.2	1269.3	1203.2	1141.8	1067.3	1033.2	1018.1
57.5°	1098.9	1109.8	1170.4	1240.7	1277.7	1275.2	1190.2	1109.8	1043.3	990.3	991.5
60°	805.1	807.2	861.9	973.4	1089.2	1091.7	988.2	881.7	807.6	750.0	758.0
62.5°	424.6	434.3	456.2	545.9	646.0	670.4	607.7	553.0	489.0	445.3	449.5
65°	224.7	223.5	234.0	259.2	308.5	321.1	312.7	269.3	247.0	239.9	240.3
67.5°	182.7	184.8	183.5	184.8	188.1	193.6	192.3	194.0	195.3	197.4	197.0
70°	154.9	154.9	155.7	156.1	156.1	158.7	161.6	167.1	167.5	169.6	170.4
72.5°	122.0	121.2	122.5	125.4	125.8	127.9	132.1	135.5	136.8	136.8	134.3
75°	82.9	83.8	85.4	88.0	90.5	94.3	97.6	99.7	100.6	99.3	98.1
77.5°	46.7	47.6	48.8	52.6	55.6	58.9	62.7	64.8	66.9	67.3	64.8
80°	27.8	27.8	29.9	32.8	36.2	39.6	42.9	45.5	46.3	46.3	45.0
82.5°	16.8	17.3	18.9	21.9	24.8	26.9	29.9	32.0	33.7	33.2	32.4
85°	8.8	8.8	10.5	13.0	15.2	17.3	17.3	16.0	15.2	13.0	12.2
87.5°	2.9	2.5	3.4	3.4	2.9	3.4	3.4	3.8	3.8	3.8	3.8
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)