

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: P648191

Luminaire Tested: **GALN-SA1B-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-835-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3096.8 lumens  
Efficiency: N/A  
Efficacy: 70.4 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

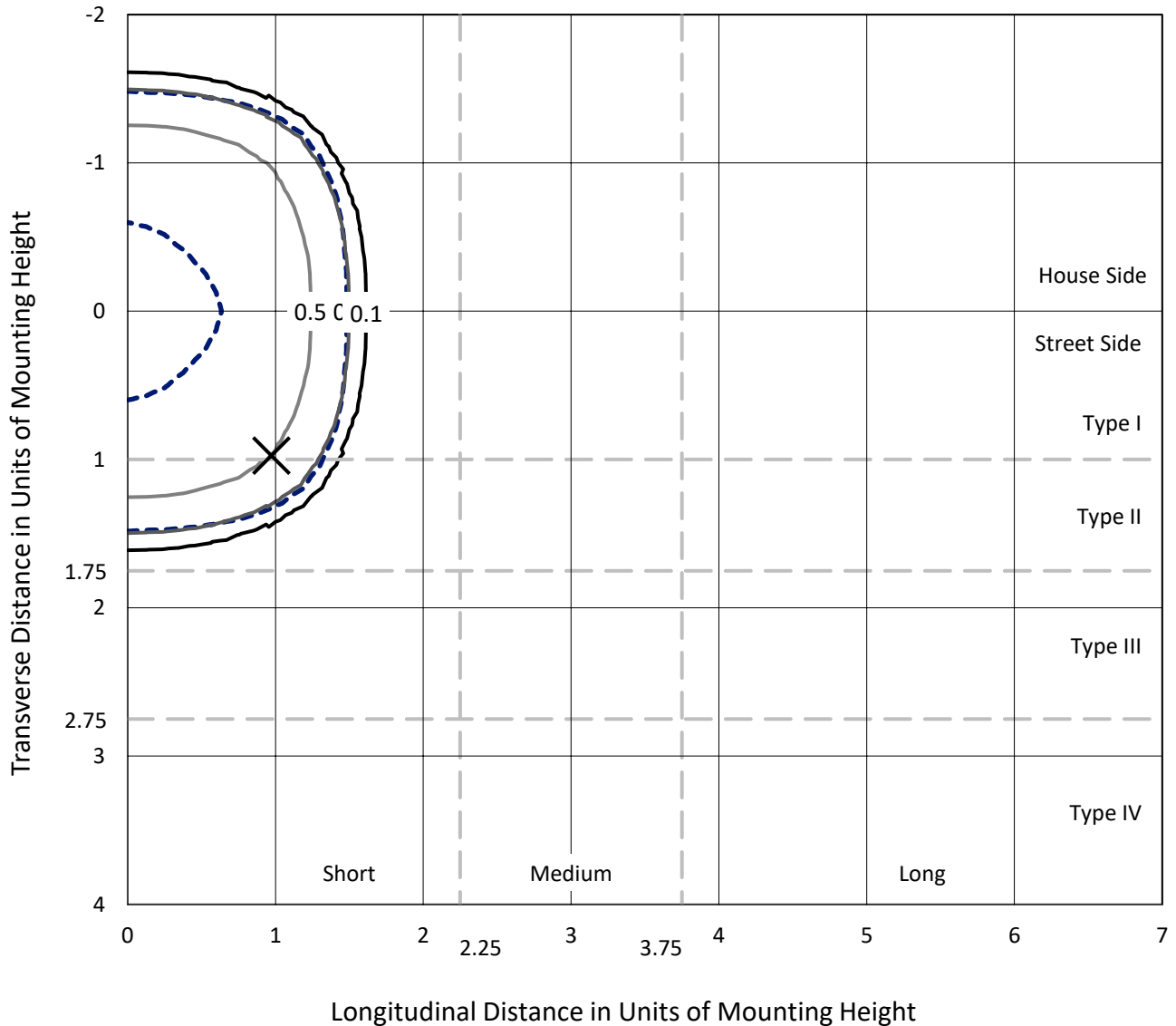
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

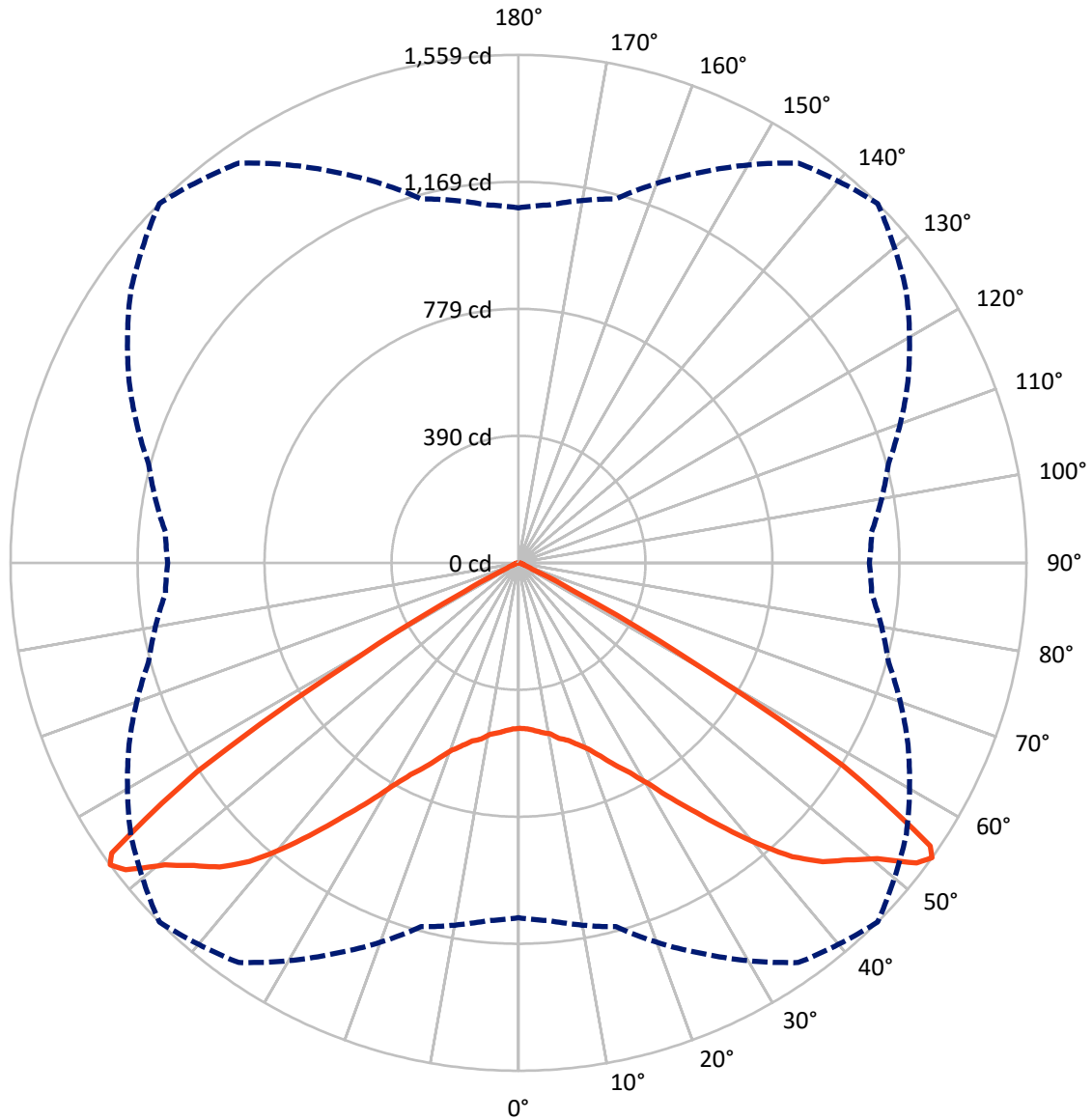
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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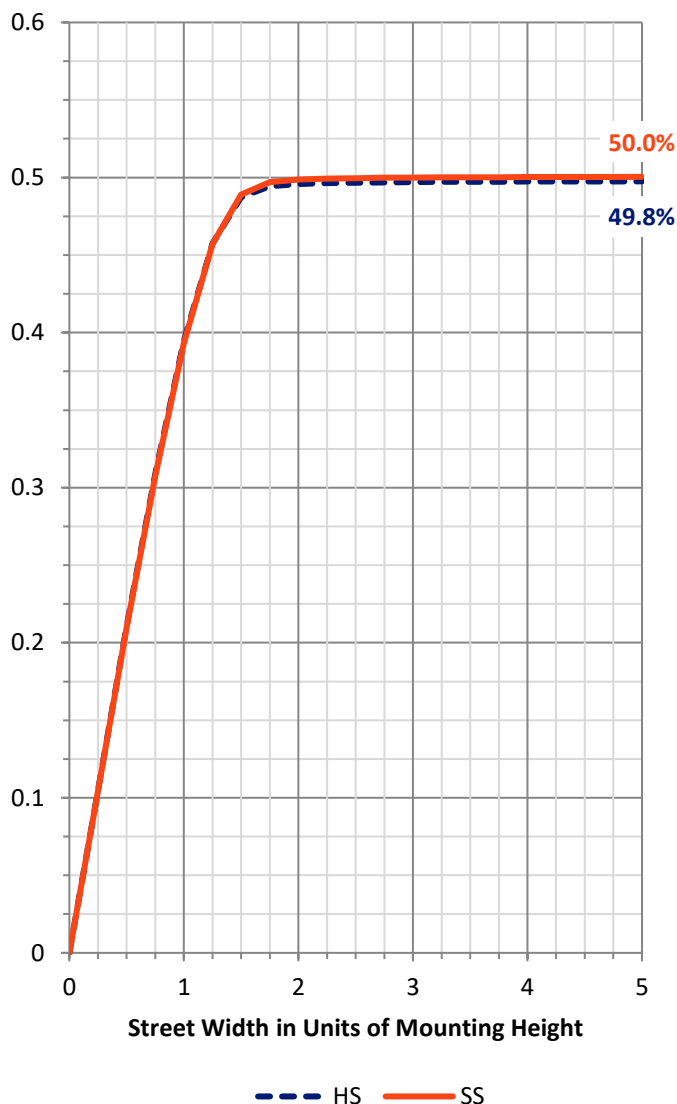
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1548.4	0.0	1548.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1548.4	0.0	1548.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3096.8	0.0	3096.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.7	1.6
10°-20°	160.9	5.2
20°-30°	315.4	10.2
30°-40°	567.2	18.3
40°-50°	971.0	31.4
50°-60°	939.5	30.3
60°-70°	80.4	2.6
70°-80°	9.5	0.3
80°-90°	3.0	0.1
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°	3096.8	100.0
0°-180°	3096.8	100.0

**Coefficient of Utilization**

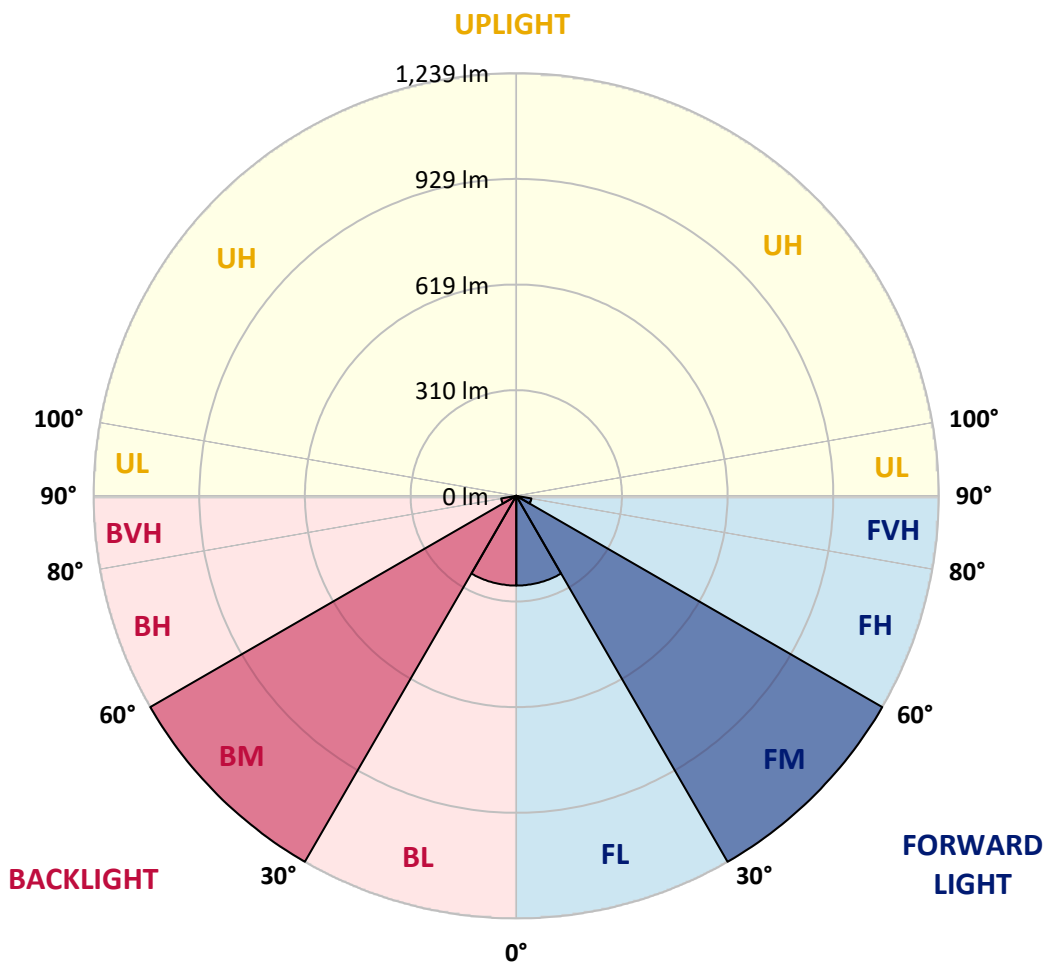


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.0	8.5			
FM (30°-60°)	1238.9	40.0			
FH (60°-80°)	45.0	1.5			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	263.0	8.5	B1/500		
BM (30°-60°)	1238.9	40.0	B2/2500		
BH (60°-80°)	45.0	1.5	B0/110		G0/660
BVH (80°-90°)	1.5	0.0			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°	507.8	507.8	507.8	507.8	507.8	507.8	507.8	507.8	507.8	507.8	507.8
2.5°	510.2	513.2	511.2	512.7	512.7	510.2	511.7	505.8	509.7	506.8	507.3
5°	518.1	517.6	517.6	518.1	516.1	517.1	515.1	513.2	511.7	509.7	515.6
7.5°	527.9	527.9	524.5	525.5	524.5	525.9	522.0	518.1	516.6	515.1	514.1
10°	537.2	536.2	534.8	539.2	535.7	533.8	531.8	529.4	524.0	522.0	520.1
12.5°	550.9	550.4	548.5	552.9	550.9	552.9	545.5	539.2	538.2	531.8	535.3
15°	567.1	571.6	568.1	568.1	567.1	564.7	561.7	558.8	550.0	547.5	548.0
17.5°	588.3	586.8	587.2	587.2	592.2	585.8	579.9	572.5	568.1	566.7	561.7
20°	608.3	610.3	609.8	613.2	616.2	609.3	603.0	602.0	589.7	591.6	584.8
22.5°	643.7	642.2	644.6	647.1	645.1	644.2	638.3	630.9	620.1	615.2	614.3
25°	681.0	678.5	674.1	680.0	682.9	687.3	676.0	672.1	655.4	648.1	648.6
27.5°	712.8	716.3	721.2	723.6	731.0	729.5	721.7	708.9	696.2	687.8	682.5
30°	756.5	758.5	766.8	770.2	783.0	786.4	774.2	759.4	736.9	726.1	719.7
32.5°	796.7	810.5	810.0	827.2	847.8	862.0	839.9	817.4	794.7	782.0	770.7
35°	862.0	859.5	873.7	891.9	925.3	941.5	917.4	891.4	857.1	836.5	827.6
37.5°	922.8	923.8	943.0	971.9	1010.1	1035.2	1014.1	971.4	936.1	909.6	897.3
40°	1011.2	1013.1	1032.7	1065.6	1108.7	1135.7	1111.2	1068.0	1021.0	1000.4	1000.4
42.5°	1114.7	1123.0	1135.7	1164.2	1202.9	1232.9	1210.8	1176.9	1129.4	1102.9	1106.8
45°	1221.1	1225.0	1233.4	1275.6	1293.8	1308.5	1287.8	1272.1	1240.3	1207.9	1202.5
47.5°	1320.7	1322.2	1346.7	1359.9	1374.2	1361.9	1375.2	1354.6	1318.7	1287.3	1281.0
50°	1364.8	1362.4	1397.3	1437.4	1448.2	1426.7	1415.4	1401.6	1347.2	1309.4	1292.7
52.5°	1236.3	1250.5	1315.3	1427.2	1511.6	1529.7	1464.0	1400.6	1299.1	1225.6	1214.3
54°	1089.2	1102.4	1155.9	1321.7	1497.3	1558.6	1452.7	1318.3	1175.0	1087.7	1076.4
55°	943.4	928.7	1025.9	1195.1	1430.6	1533.1	1408.0	1211.8	1047.9	967.9	952.3
57.5°	510.8	513.2	595.1	755.0	1005.2	1175.5	1038.1	819.8	619.1	529.4	521.5
60°	161.9	165.8	201.6	305.1	480.3	573.5	491.6	329.2	227.6	182.5	175.2
62.5°	50.5	52.5	57.4	85.3	131.5	187.9	147.2	88.3	65.8	60.4	61.3
65°	30.9	30.9	31.4	33.4	39.2	45.6	44.2	38.8	37.3	36.3	35.8
67.5°	20.1	19.7	20.6	22.1	23.0	23.6	25.1	26.5	26.0	25.1	25.1
70°	12.3	11.7	12.8	14.7	15.2	16.2	17.7	19.7	19.1	18.2	18.6
72.5°	6.9	6.9	7.4	8.8	10.3	11.3	12.8	14.3	14.7	14.3	14.3
75°	2.4	3.0	3.9	5.4	6.3	7.8	9.3	10.8	12.3	11.3	10.8
77.5°	1.0	1.0	2.0	3.4	4.9	6.3	8.8	10.3	11.3	10.3	9.3
80°	0.5	0.5	1.5	3.0	4.4	5.9	7.4	8.8	9.3	8.4	7.4
82.5°	0.5	0.5	1.5	3.0	4.4	5.4	7.8	8.8	9.8	8.8	7.4
85°	0.0	0.5	1.5	3.0	3.9	4.4	4.4	3.0	2.4	1.5	1.5
87.5°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)