

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: P651657

Luminaire Tested: **GALN-SA1A-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651657  
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-SA1A-840-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3505.3 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

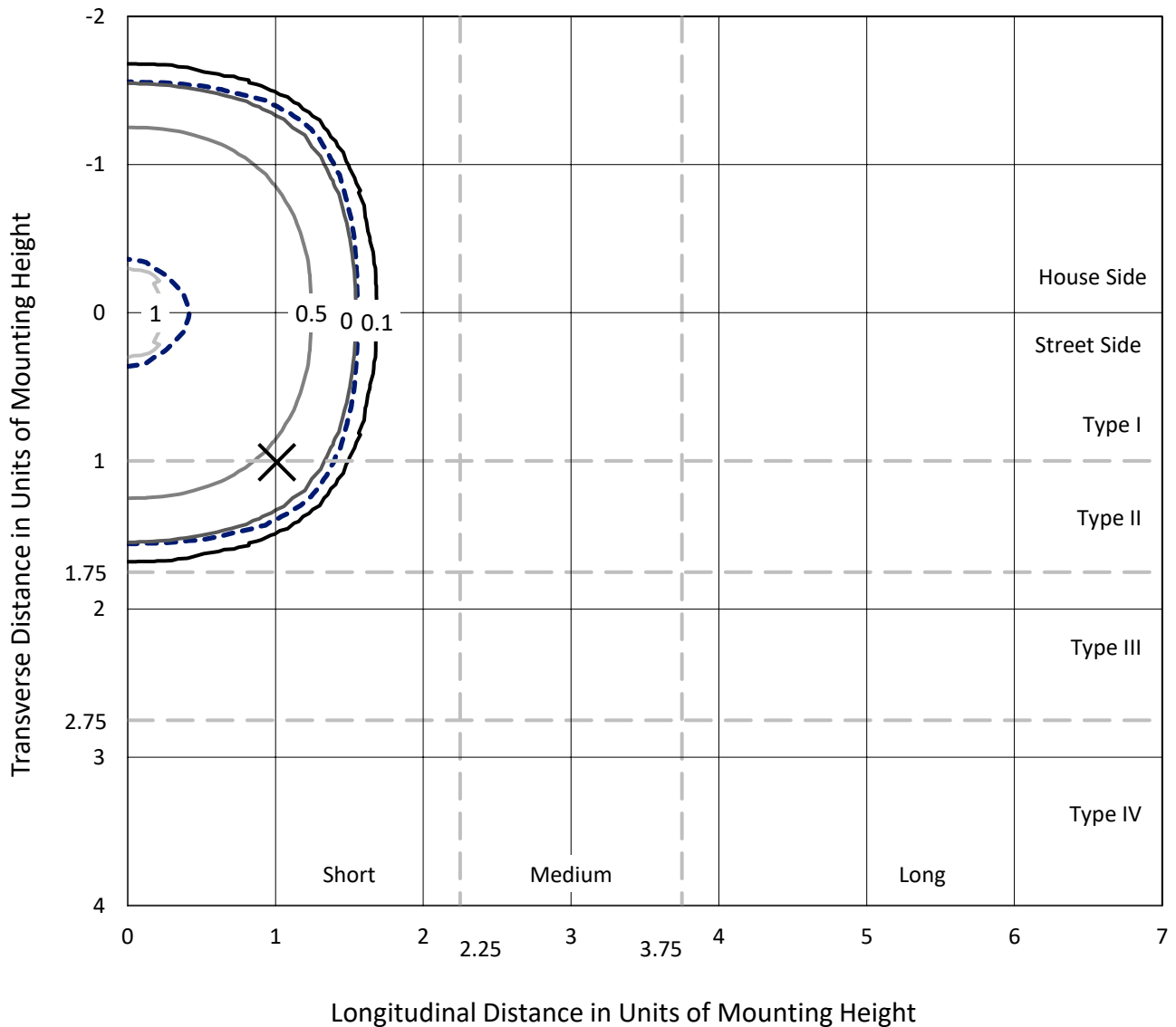
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

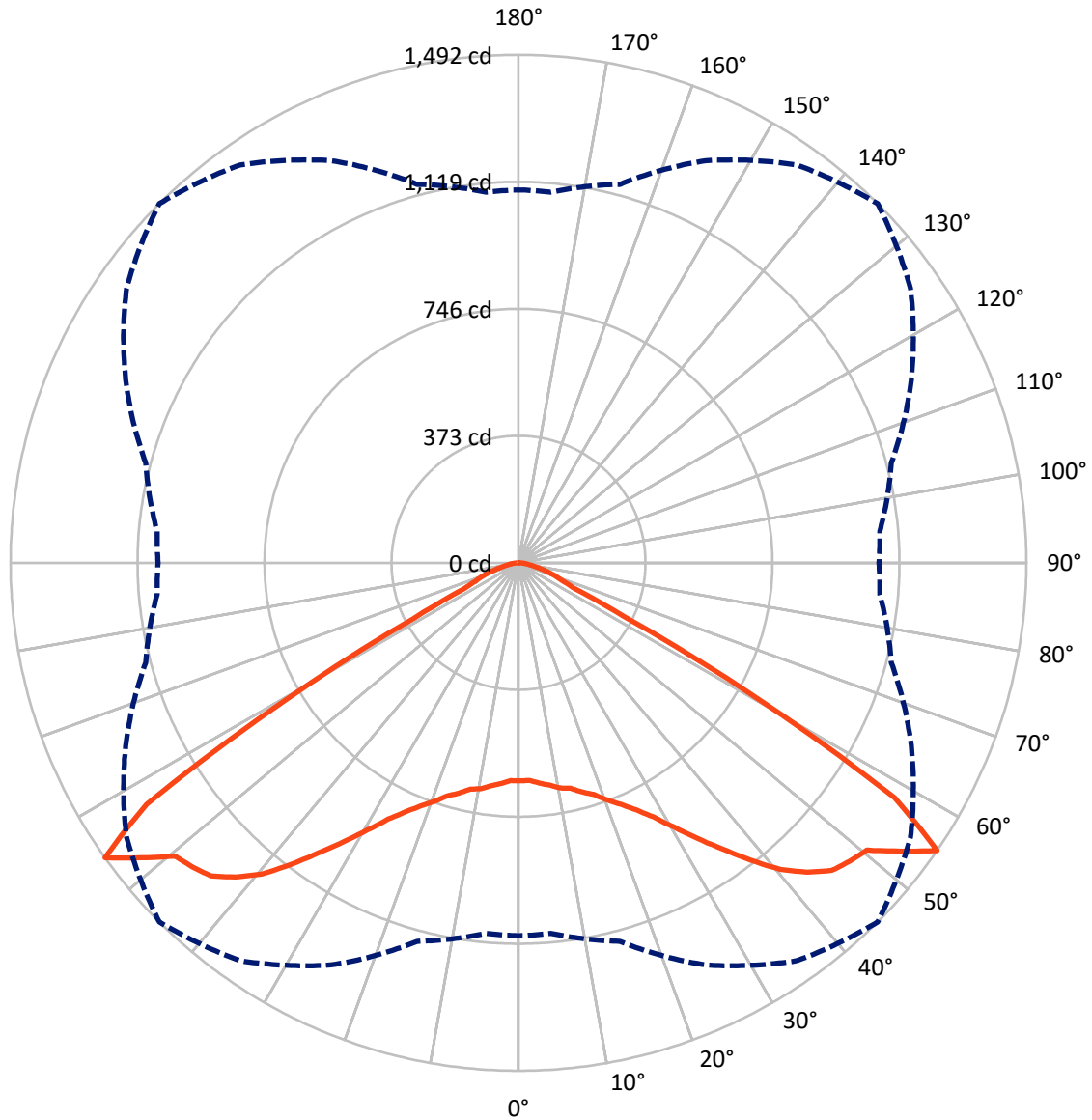
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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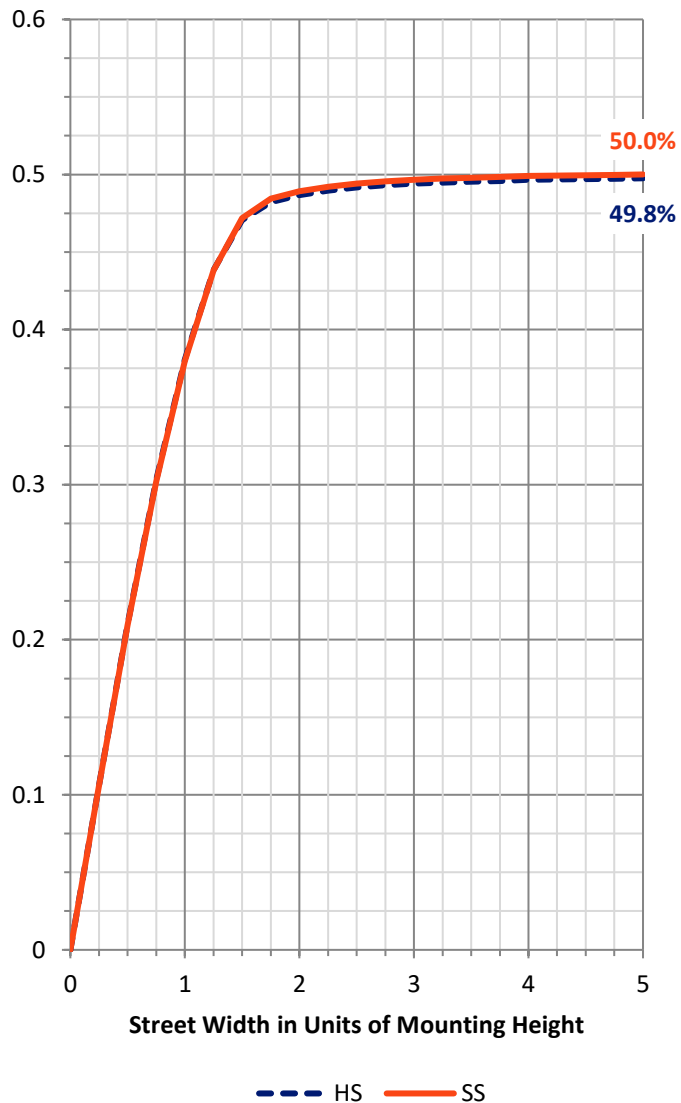
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1752.6	0.0	1752.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1752.6	0.0	1752.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3505.3	0.0	3505.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	1.8
10°-20°	198.1	5.7
20°-30°	369.4	10.5
30°-40°	618.5	17.6
40°-50°	962.4	27.5
50°-60°	999.3	28.5
60°-70°	211.9	6.0
70°-80°	69.8	2.0
80°-90°	13.3	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°	3505.3	100.0
0°-180°	3505.3	100.0

**Coefficient of Utilization**

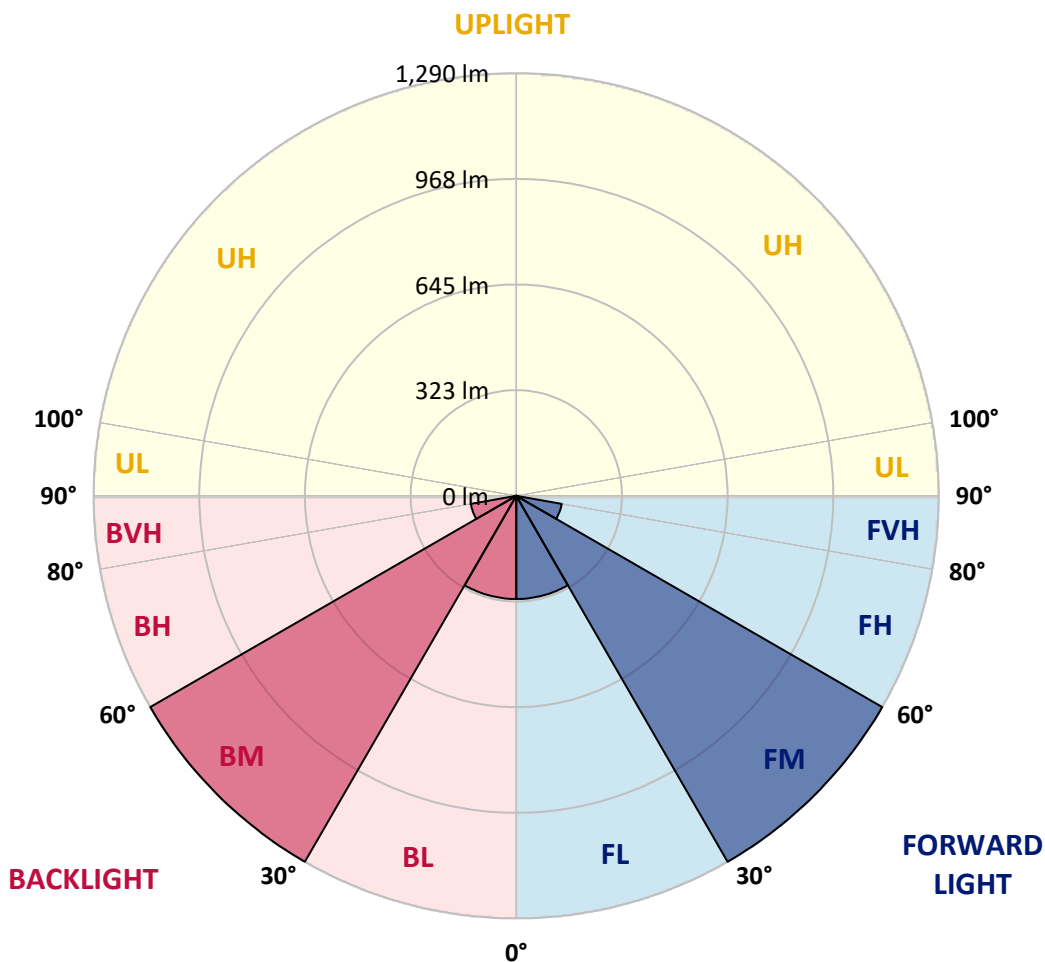


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.0	9.0			
FM (30°-60°)	1290.1	36.8			
FH (60°-80°)	140.9	4.0			G0/660
FVH (80°-90°)	6.6	0.2			G0/10
BL (0°-30°)	315.0	9.0	B1/500		
BM (30°-60°)	1290.1	36.8	B2/2500		
BH (60°-80°)	140.9	4.0	B1/500		G0/660
BVH (80°-90°)	6.6	0.2			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°	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0
2.5°	647.7	644.7	639.6	643.4	646.4	640.0	642.5	643.8	642.9	639.6	640.8
5°	657.0	655.2	651.0	654.0	650.2	650.2	647.7	644.3	649.3	648.5	650.6
7.5°	657.0	654.8	663.3	657.8	659.5	659.5	655.2	651.9	654.4	650.6	648.5
10°	670.1	673.1	669.3	670.5	669.7	672.6	666.2	664.1	662.0	660.8	658.3
12.5°	685.8	683.6	684.9	684.1	687.0	679.4	675.6	670.9	674.7	669.3	673.1
15°	698.5	697.2	698.5	701.8	698.9	698.5	691.7	687.0	681.1	682.4	676.4
17.5°	715.9	714.6	715.0	718.0	717.5	715.4	710.3	701.4	699.3	695.9	692.1
20°	741.7	739.6	738.7	740.0	742.1	743.8	733.6	730.2	723.0	717.5	711.1
22.5°	763.7	762.9	766.2	760.8	765.4	770.4	760.8	759.0	741.3	738.3	731.5
25°	794.2	792.9	790.8	798.9	804.3	803.9	794.6	785.3	771.7	768.3	768.3
27.5°	826.4	819.2	830.2	832.3	842.1	845.0	837.0	823.4	810.7	803.5	805.2
30°	866.7	859.8	862.4	877.7	890.4	901.4	881.0	861.1	843.4	830.7	828.5
32.5°	906.9	900.1	907.7	922.5	948.0	964.5	944.5	909.8	889.1	870.4	874.2
35°	939.5	944.5	956.8	979.3	1005.6	1032.2	1000.5	973.8	944.1	923.4	926.4
37.5°	992.0	1007.7	1017.4	1043.3	1080.5	1108.0	1075.1	1040.3	1008.5	981.4	972.1
40°	1060.6	1071.2	1082.2	1112.7	1156.8	1184.3	1152.9	1107.6	1076.3	1048.3	1047.0
42.5°	1136.0	1146.2	1157.6	1194.9	1221.1	1241.9	1213.1	1188.9	1154.2	1132.2	1130.9
45°	1223.7	1216.5	1229.2	1253.8	1275.8	1289.3	1270.7	1258.8	1233.8	1213.6	1211.4
47.5°	1282.1	1275.8	1298.7	1320.7	1324.1	1309.3	1313.1	1324.1	1297.8	1264.4	1275.0
50°	1316.0	1316.0	1331.3	1351.6	1345.3	1326.2	1356.3	1357.1	1330.9	1301.2	1301.2
52.5°	1257.1	1270.2	1313.5	1380.0	1401.2	1406.7	1399.9	1371.1	1302.5	1241.9	1239.0
55°	1095.3	1092.4	1150.8	1303.3	1426.6	1491.8	1405.4	1272.9	1133.5	1065.3	1058.5
57.5°	712.4	715.9	803.1	958.6	1180.9	1302.5	1156.8	970.4	803.1	709.0	718.0
60°	320.7	332.1	385.0	501.1	692.1	791.2	693.8	526.5	404.1	350.7	355.4
62.5°	184.3	186.4	188.5	223.6	294.8	348.6	306.2	236.3	208.4	199.1	199.1
65°	155.4	154.2	154.6	157.6	165.2	176.2	171.6	165.2	166.0	165.2	163.9
67.5°	132.1	133.9	132.5	134.7	135.1	136.8	139.8	142.3	142.7	143.6	142.7
70°	108.4	108.8	109.7	111.4	111.9	113.1	117.3	119.4	120.7	120.7	122.4
72.5°	83.0	82.6	83.4	85.1	87.3	87.7	91.5	94.4	96.1	94.0	94.4
75°	54.7	55.1	56.3	57.6	60.6	63.5	64.8	67.8	68.2	69.0	66.9
77.5°	32.6	33.5	34.7	37.3	39.8	42.4	45.3	47.4	48.3	47.4	44.9
80°	21.2	21.2	22.9	25.0	27.9	30.1	31.8	33.5	34.7	33.5	32.6
82.5°	13.1	13.1	15.2	17.8	19.9	21.2	23.7	25.8	27.1	26.2	25.0
85°	6.8	7.2	8.9	11.0	12.7	13.5	13.1	11.9	10.6	10.2	9.3
87.5°	2.1	2.1	2.5	2.5	2.1	2.1	2.5	2.1	2.5	2.5	2.5
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)