

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: P651654

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651654
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-840-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 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: 3434.7 lumens
Efficiency: N/A
Efficacy: 104.1 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

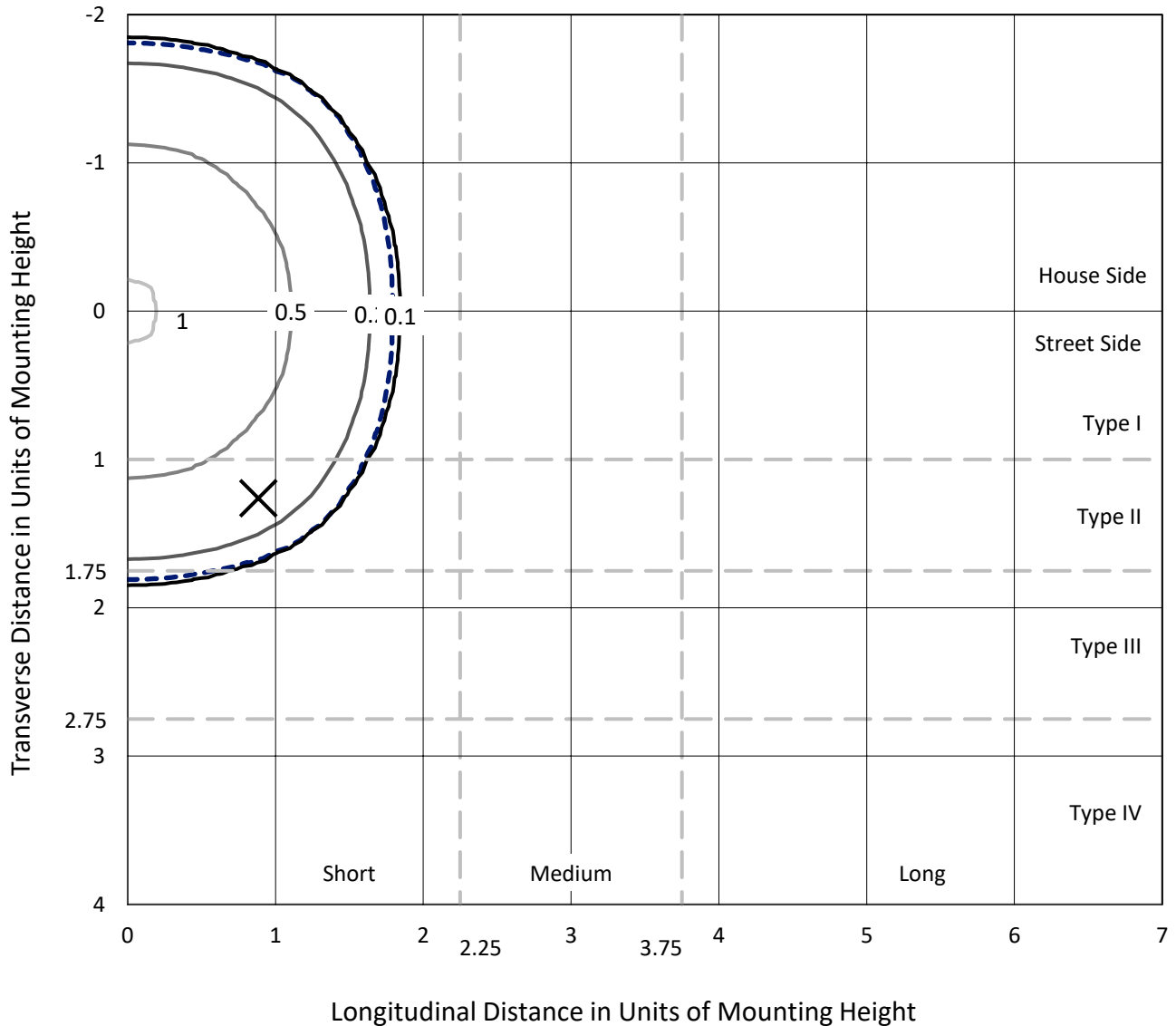
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

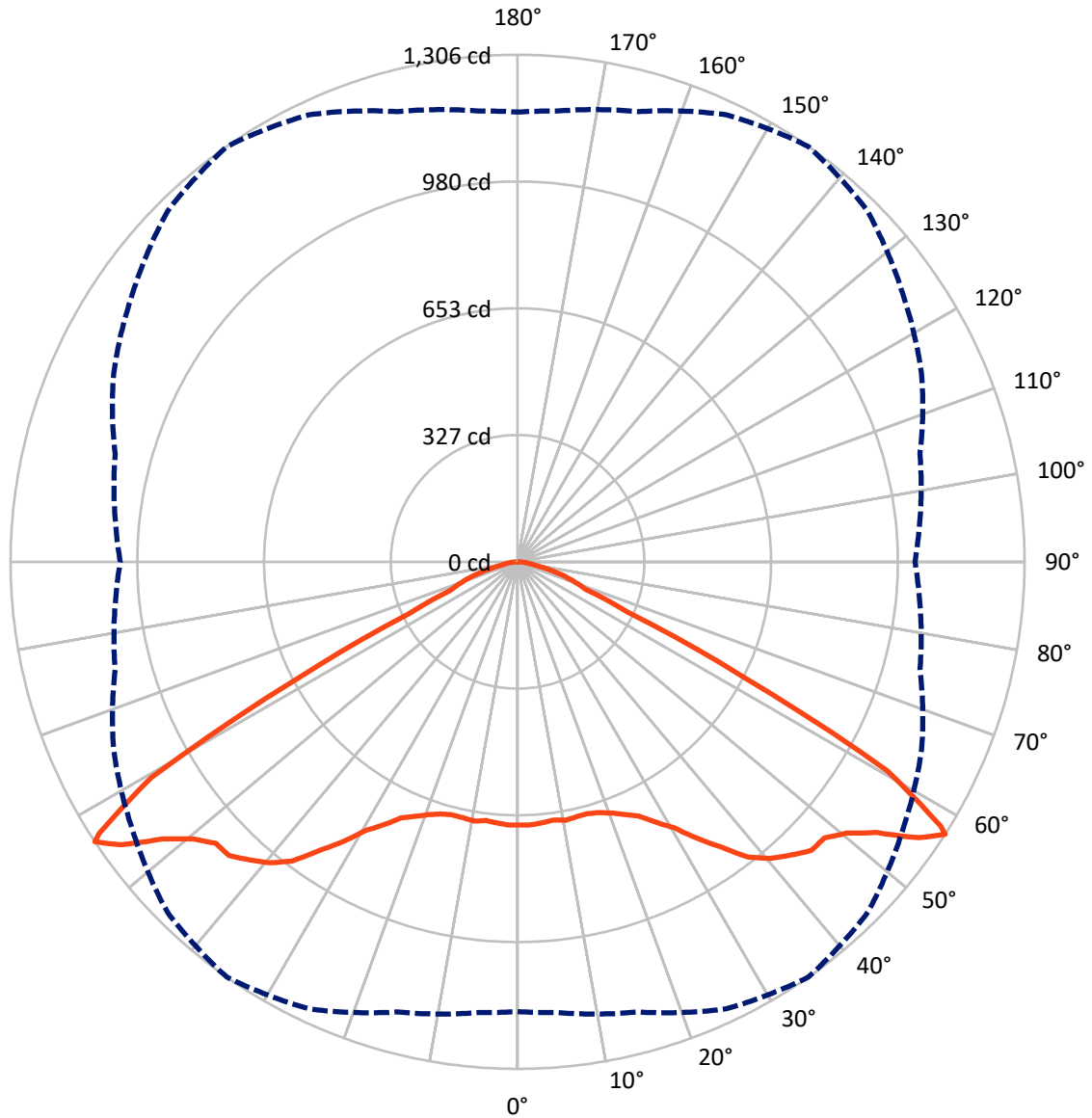
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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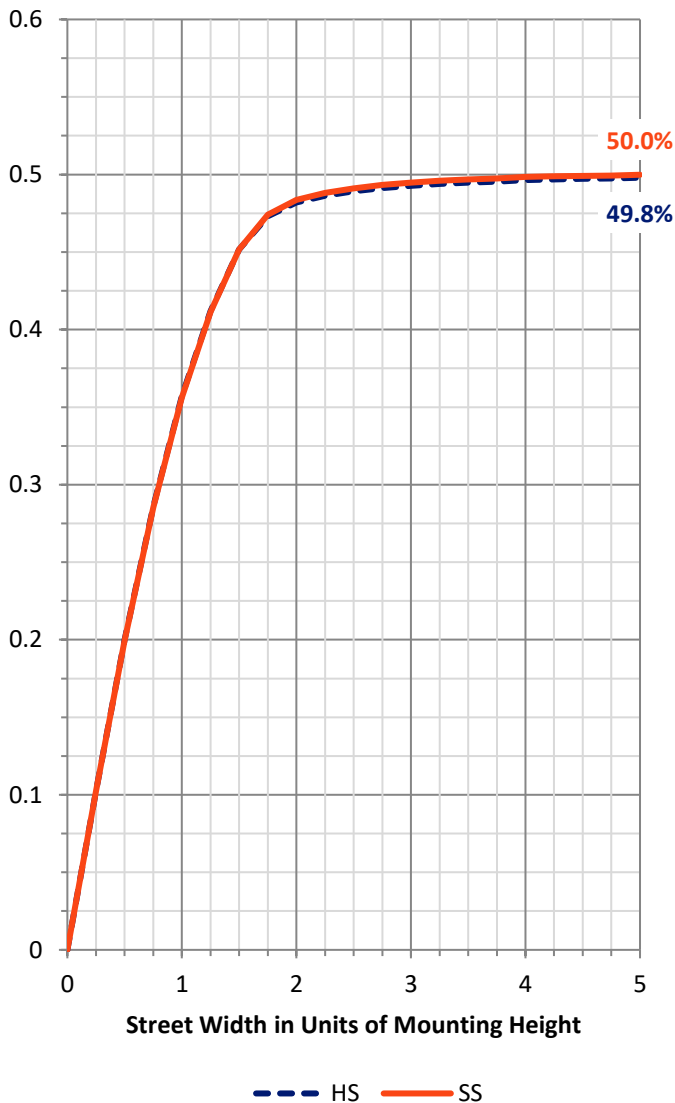
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.3	0.0	1717.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1717.3	0.0	1717.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3434.7	0.0	3434.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.9
10°-20°	190.5	5.5
20°-30°	332.6	9.7
30°-40°	545.0	15.9
40°-50°	799.1	23.3
50°-60°	1006.6	29.3
60°-70°	378.6	11.0
70°-80°	100.7	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°	3434.7	100.0
0°-180°	3434.7	100.0

Coefficient of Utilization

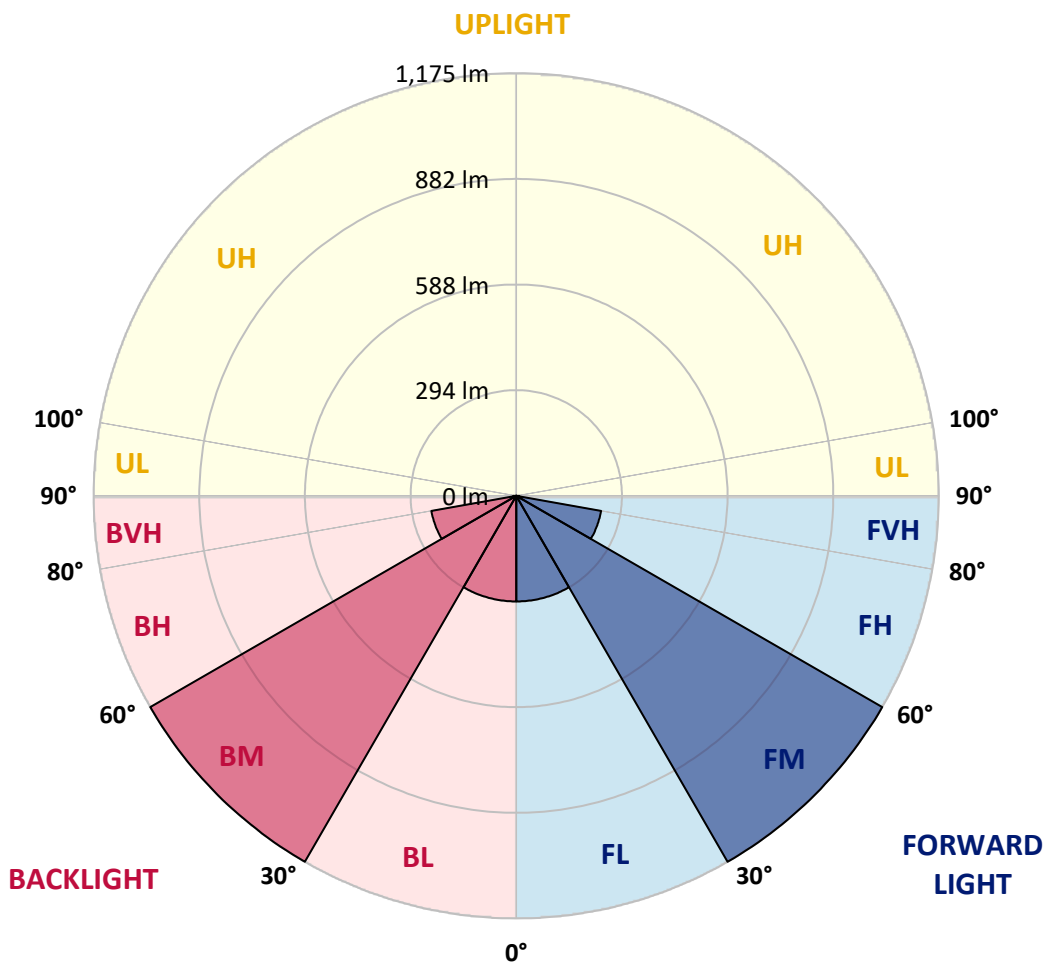


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.7	8.6			
FM (30°-60°)	1175.4	34.2			
FH (60°-80°)	239.6	7.0			G0/660
FVH (80°-90°)	8.6	0.3			G0/10
BL (0°-30°)	293.7	8.6	B1/500		
BM (30°-60°)	1175.4	34.2	B2/2500		
BH (60°-80°)	239.6	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°	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4	678.4
2.5°	674.9	681.7	678.8	677.1	678.4	676.2	672.8	676.6	675.7	672.4	671.1
5°	673.2	678.4	674.9	678.4	674.9	680.9	679.2	672.8	680.5	673.2	675.7
7.5°	672.0	673.6	674.5	672.8	671.5	678.8	674.9	672.0	667.8	666.5	668.6
10°	669.0	673.2	666.9	675.3	677.1	672.0	672.0	666.5	663.0	660.9	668.2
12.5°	676.6	669.4	668.6	672.8	674.1	676.2	670.3	667.3	660.9	661.8	660.5
15°	667.8	670.7	671.1	672.0	673.2	678.4	672.8	666.5	664.0	655.1	655.9
17.5°	671.1	668.2	671.1	680.9	679.2	683.0	677.1	667.3	661.4	656.3	663.0
20°	677.1	675.7	677.1	688.9	691.0	694.4	689.3	680.5	669.0	663.0	666.5
22.5°	683.4	682.6	683.4	694.8	707.1	711.3	706.3	685.5	679.6	668.6	664.8
25°	694.8	695.7	704.6	717.3	725.3	733.4	724.0	709.2	690.1	683.4	675.3
27.5°	720.2	722.3	727.4	746.1	760.0	767.2	754.0	733.8	721.9	708.0	705.9
30°	751.5	751.5	760.4	776.5	795.5	806.5	790.5	766.3	751.9	744.4	739.7
32.5°	793.0	788.4	791.7	820.1	849.7	859.0	837.4	807.8	785.0	774.8	771.4
35°	828.6	831.5	839.1	869.6	902.6	924.2	890.3	851.8	828.6	819.2	817.5
37.5°	874.6	879.8	883.6	925.4	965.2	973.3	940.7	909.8	881.5	873.8	869.6
40°	939.8	936.5	937.7	968.6	1004.6	1009.6	977.5	955.5	932.2	927.5	927.5
42.5°	993.6	989.8	994.0	1005.4	1032.9	1029.1	1011.3	995.2	985.6	980.4	985.6
45°	1026.2	1025.3	1032.9	1041.4	1060.8	1048.1	1034.2	1036.7	1027.4	1019.0	1018.5
47.5°	1061.7	1056.2	1065.5	1078.2	1063.4	1057.5	1056.6	1062.1	1059.2	1044.4	1039.7
50°	1079.0	1076.9	1091.7	1106.6	1098.5	1085.0	1087.9	1096.8	1058.7	1038.8	1027.4
52.5°	1125.6	1126.0	1154.4	1162.4	1159.0	1139.1	1145.4	1121.4	1076.5	1048.6	1049.8
55°	1198.8	1195.8	1227.6	1251.2	1255.1	1229.7	1199.2	1165.4	1109.1	1080.8	1072.3
57°	1158.6	1165.4	1200.5	1270.8	1306.2	1276.2	1209.8	1148.0	1073.1	1038.8	1023.6
57.5°	1104.8	1115.8	1176.8	1247.5	1284.7	1282.2	1196.7	1115.8	1049.0	995.7	996.9
60°	809.5	811.6	866.7	978.8	1095.2	1097.7	993.6	886.5	812.1	754.0	762.1
62.5°	427.0	436.7	458.7	548.8	649.5	674.1	611.1	556.0	491.7	447.7	452.0
65°	226.0	224.7	235.3	260.6	310.2	322.9	314.4	270.8	248.4	241.2	241.6
67.5°	183.7	185.8	184.5	185.8	189.1	194.7	193.3	195.1	196.4	198.5	198.1
70°	155.8	155.8	156.6	157.0	157.0	159.5	162.5	168.0	168.5	170.6	171.4
72.5°	122.7	121.9	123.1	126.1	126.5	128.7	132.9	136.2	137.5	137.5	135.0
75°	83.3	84.2	85.9	88.5	91.0	94.8	98.1	100.2	101.2	99.8	98.6
77.5°	47.0	47.9	49.1	52.9	55.8	59.2	63.1	65.2	67.3	67.7	65.2
80°	27.9	27.9	30.0	33.0	36.4	39.8	43.1	45.7	46.5	46.5	45.2
82.5°	16.9	17.3	19.0	22.0	25.0	27.1	30.0	32.1	33.9	33.4	32.5
85°	8.9	8.9	10.6	13.1	15.2	17.3	17.3	16.1	15.2	13.1	12.3
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)