

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: P652155

Luminaire Tested: **GALN-SA1B-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-840-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4108.3 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

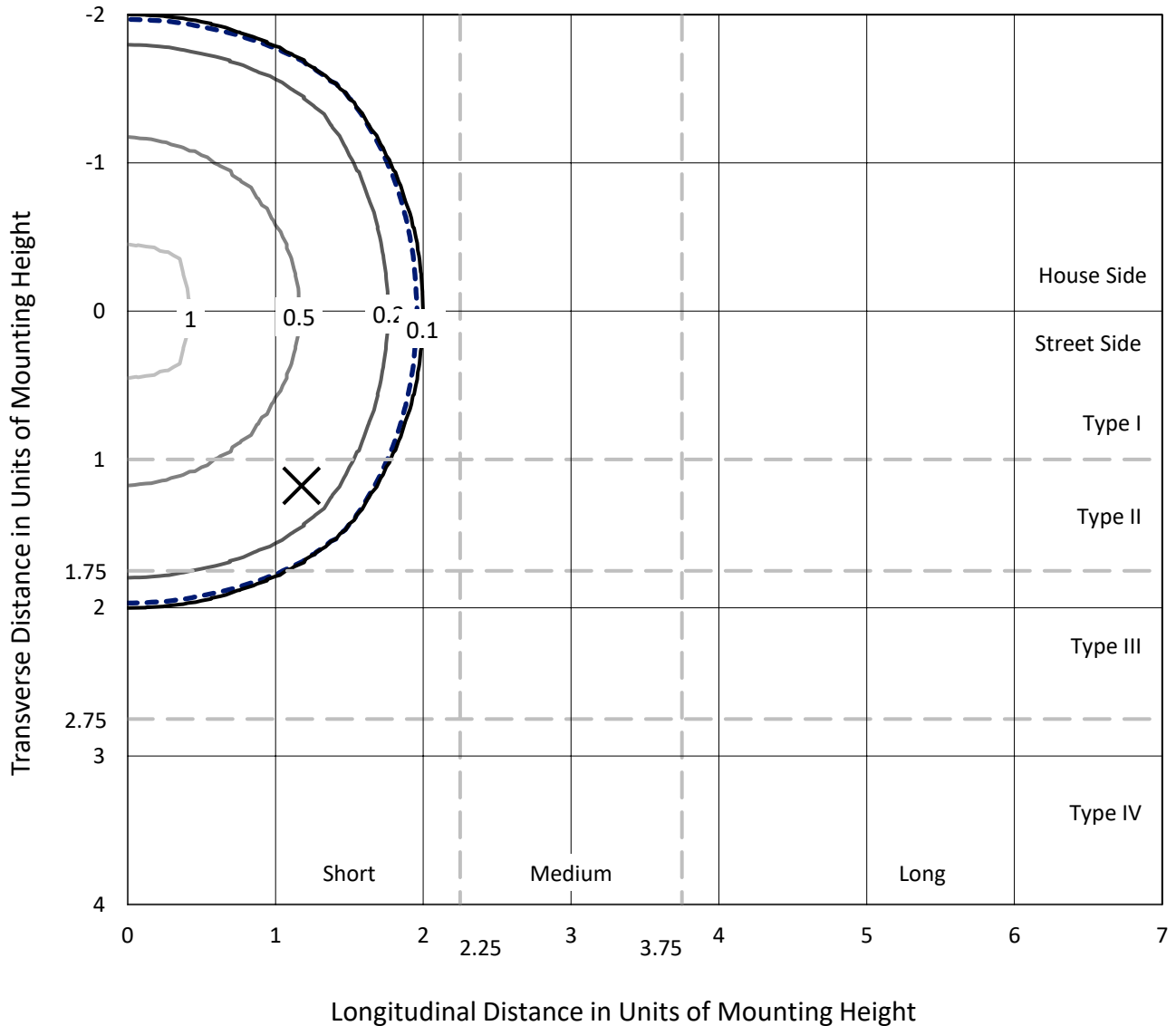
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

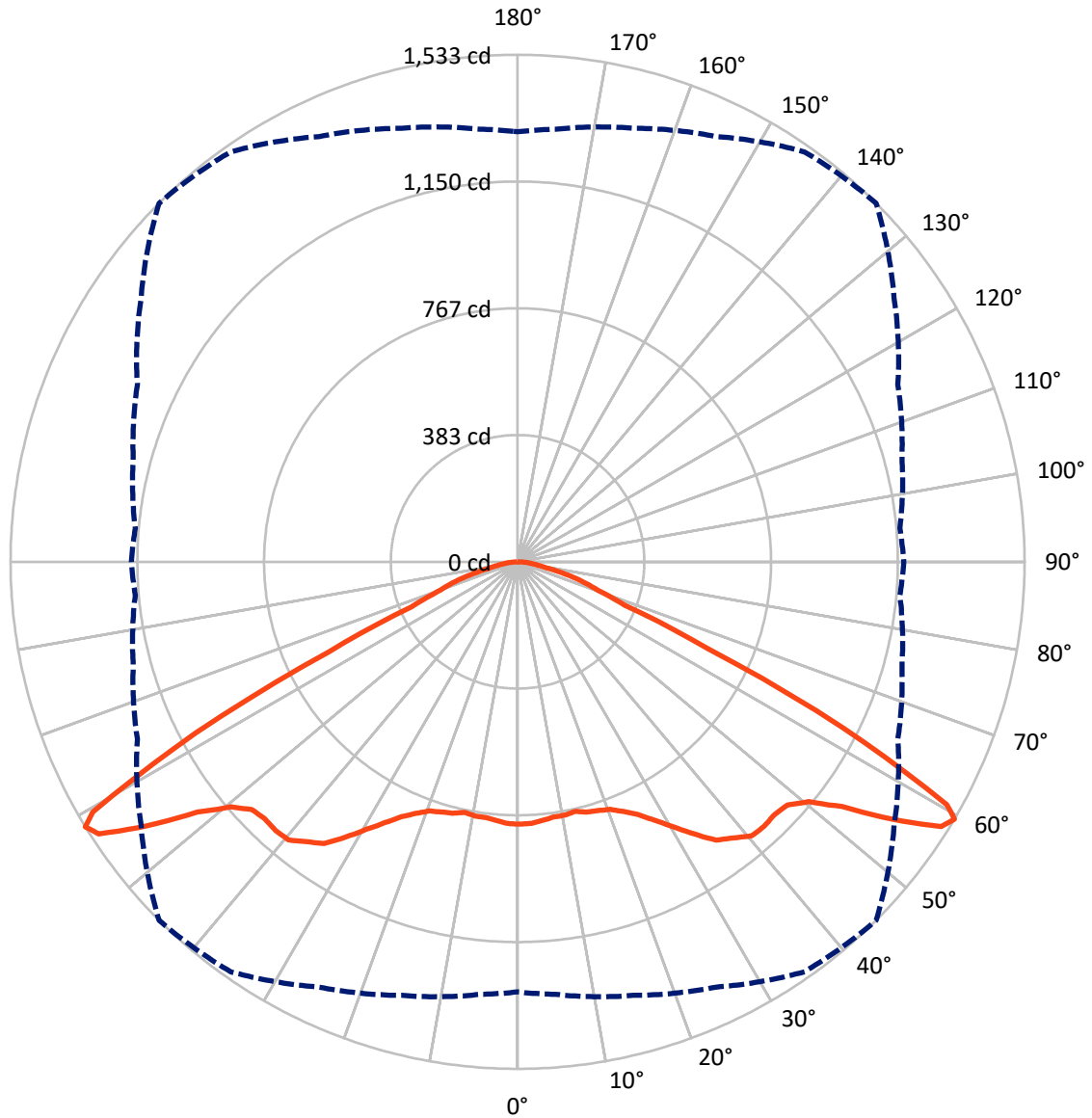
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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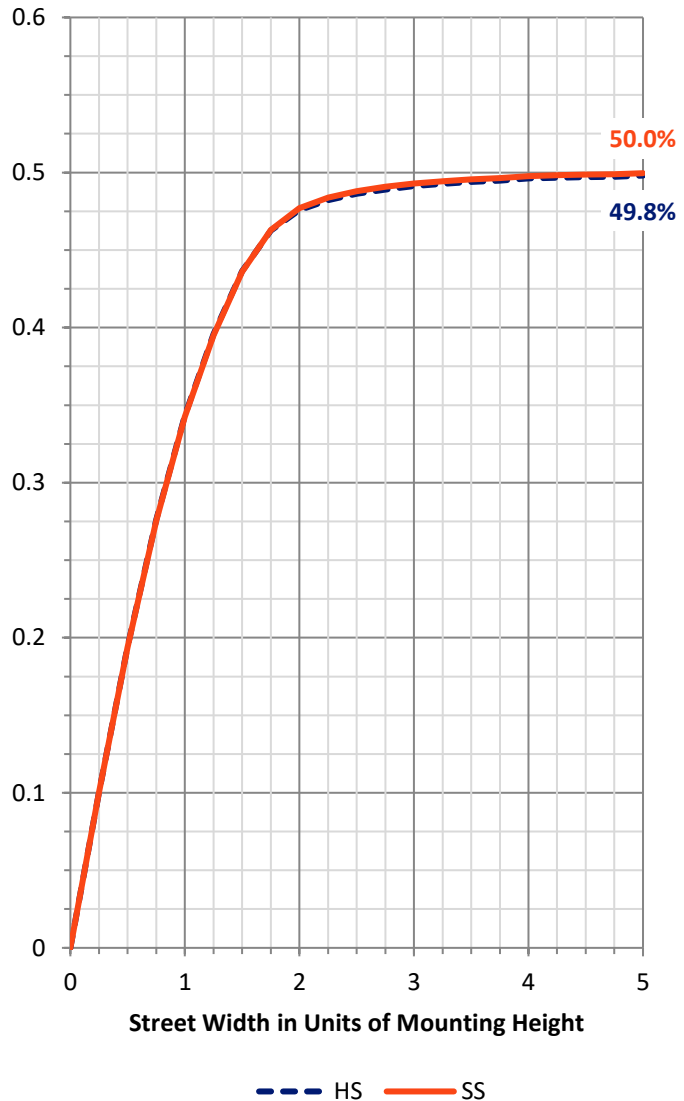
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2054.1	0.0	2054.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2054.1	0.0	2054.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4108.3	0.0	4108.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	1.8
10°-20°	222.5	5.4
20°-30°	388.4	9.5
30°-40°	620.4	15.1
40°-50°	845.1	20.6
50°-60°	1142.8	27.8
60°-70°	626.7	15.3
70°-80°	160.3	3.9
80°-90°	27.3	0.7
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°	4108.3	100.0
0°-180°	4108.3	100.0

**Coefficient of Utilization**



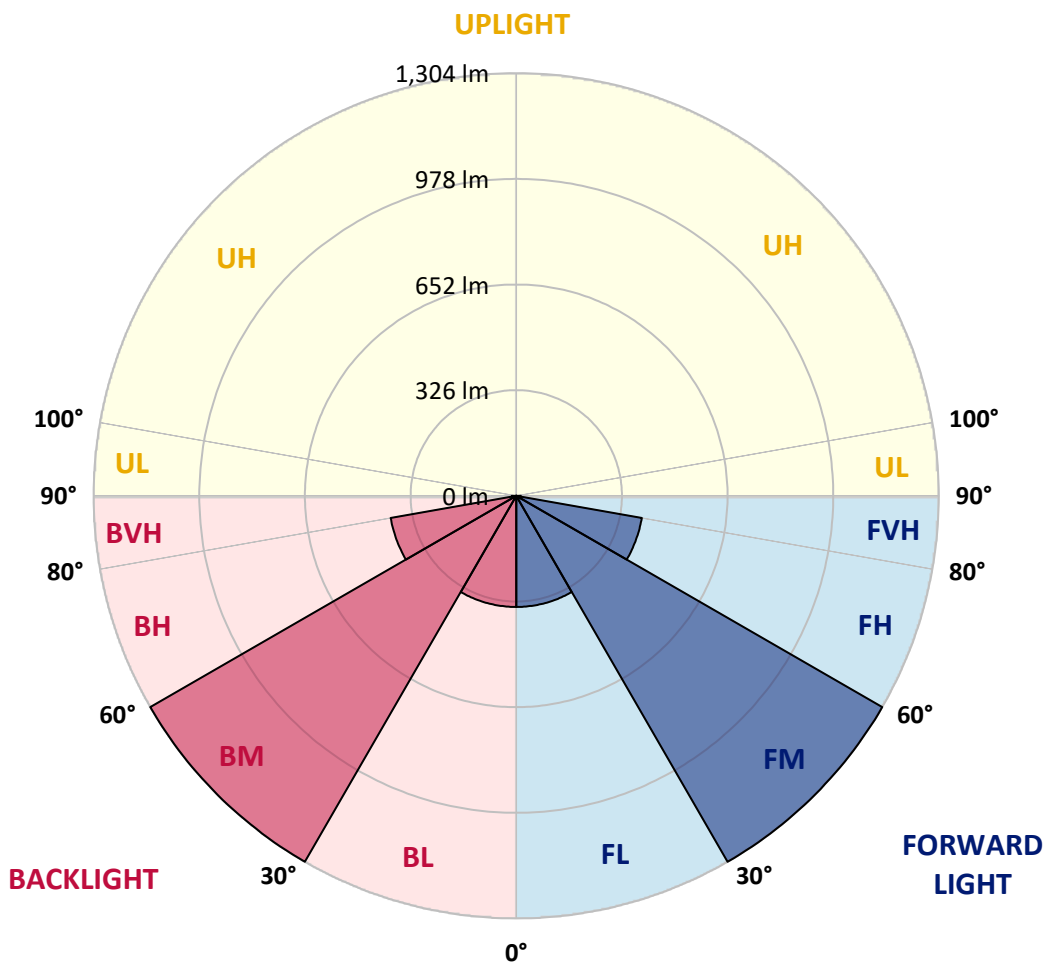
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.9	8.3			
FM (30°-60°)	1304.1	31.7			
FH (60°-80°)	393.5	9.6			G0/660
FVH (80°-90°)	13.7	0.3			G1/100
BL (0°-30°)	342.9	8.3	B1/500		
BM (30°-60°)	1304.1	31.7	B2/2500		
BH (60°-80°)	393.5	9.6	B1/500		G0/660
BVH (80°-90°)	13.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5	793.5
2.5°	788.8	794.6	790.4	794.1	793.5	792.0	789.3	787.8	785.7	788.8	783.6
5°	785.7	790.4	795.1	788.8	788.8	785.7	784.1	780.9	780.9	780.4	779.9
7.5°	790.9	786.2	784.1	785.1	786.2	779.3	784.1	777.8	772.5	776.2	780.4
10°	786.2	788.3	780.4	784.1	778.3	779.3	776.2	780.4	774.6	774.6	774.6
12.5°	790.9	785.1	787.8	785.1	783.6	774.6	778.8	774.1	773.6	778.8	774.1
15°	800.4	790.9	788.8	783.6	785.1	785.1	780.9	781.4	775.7	778.8	779.9
17.5°	797.2	792.0	790.4	784.1	789.3	790.9	783.0	777.8	781.4	780.9	780.4
20°	799.9	802.0	800.4	801.4	803.5	799.3	792.0	784.6	779.9	786.7	786.2
22.5°	816.7	814.6	813.5	812.5	816.2	820.4	810.4	798.8	798.8	803.5	805.6
25°	830.4	829.9	829.3	834.1	846.7	846.7	834.1	819.3	815.6	818.8	816.2
27.5°	850.4	856.2	854.1	862.5	880.9	885.2	868.3	850.9	840.9	837.2	842.0
30°	896.2	889.4	891.0	899.9	916.2	929.9	904.1	885.7	871.9	871.4	873.5
32.5°	926.8	932.0	936.8	945.2	970.9	981.5	950.4	920.4	912.0	907.3	908.9
35°	987.8	983.0	982.0	990.4	1016.3	1033.7	994.7	968.3	957.3	967.8	967.8
37.5°	1045.8	1032.6	1022.6	1033.7	1057.3	1059.4	1026.3	1012.1	1006.3	1018.4	1017.9
40°	1073.1	1072.1	1048.9	1055.2	1086.8	1089.9	1058.9	1042.1	1041.0	1056.8	1072.6
42.5°	1101.5	1091.5	1068.4	1072.6	1092.1	1093.1	1063.6	1058.9	1070.5	1085.7	1086.8
45°	1106.3	1097.8	1083.1	1072.6	1086.8	1089.9	1072.6	1075.7	1076.8	1095.2	1095.2
47.5°	1115.8	1114.7	1106.3	1098.4	1101.0	1098.4	1087.3	1092.1	1107.8	1116.8	1112.6
50°	1142.1	1131.1	1139.5	1132.7	1133.2	1140.6	1130.6	1135.3	1132.1	1124.2	1119.0
52.5°	1200.0	1194.7	1202.1	1206.8	1212.1	1229.0	1217.4	1192.1	1168.4	1147.4	1146.9
55°	1284.8	1288.5	1302.7	1326.9	1347.5	1374.3	1318.5	1258.0	1220.0	1186.9	1189.0
57.5°	1364.9	1362.2	1381.7	1437.0	1497.0	1510.7	1401.2	1314.8	1253.2	1232.1	1223.2
59°	1300.6	1313.2	1357.5	1419.1	1513.3	1533.3	1390.1	1268.5	1203.2	1160.5	1167.9
60°	1199.5	1204.2	1243.8	1329.5	1456.9	1491.2	1315.8	1196.8	1110.0	1085.2	1096.3
62.5°	847.7	844.1	872.5	942.5	1056.8	1103.1	978.3	894.7	839.8	812.5	818.8
65°	450.8	467.6	479.2	522.8	583.4	632.4	580.8	544.5	513.9	491.3	490.7
67.5°	304.4	302.3	304.9	314.9	335.4	349.1	348.1	329.6	327.0	322.8	327.5
70°	256.4	255.4	250.6	250.6	254.8	258.0	261.7	263.8	268.0	273.3	272.7
72.5°	208.0	205.4	202.2	200.6	205.9	207.5	212.2	214.3	218.0	217.5	222.2
75°	137.4	137.4	141.1	145.3	146.9	150.0	150.6	156.9	156.9	157.9	153.7
77.5°	76.9	74.8	77.4	81.6	85.3	91.1	96.9	101.6	104.3	103.2	103.2
80°	44.7	44.7	47.3	52.1	56.9	62.1	66.4	70.1	72.7	71.7	69.5
82.5°	27.9	27.9	30.5	35.2	38.9	42.1	47.9	52.6	55.8	54.7	52.1
85°	14.2	14.2	17.4	20.5	25.3	27.4	26.8	24.7	24.2	21.6	21.6
87.5°	3.7	3.7	5.3	5.8	4.7	5.3	5.3	5.3	5.3	5.3	5.8
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)