

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: P526272

Luminaire Tested: **GALN-SA1B-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526272  
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-SA1B-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 4250 lumens  
Efficiency: N/A  
Efficacy: 96.6 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

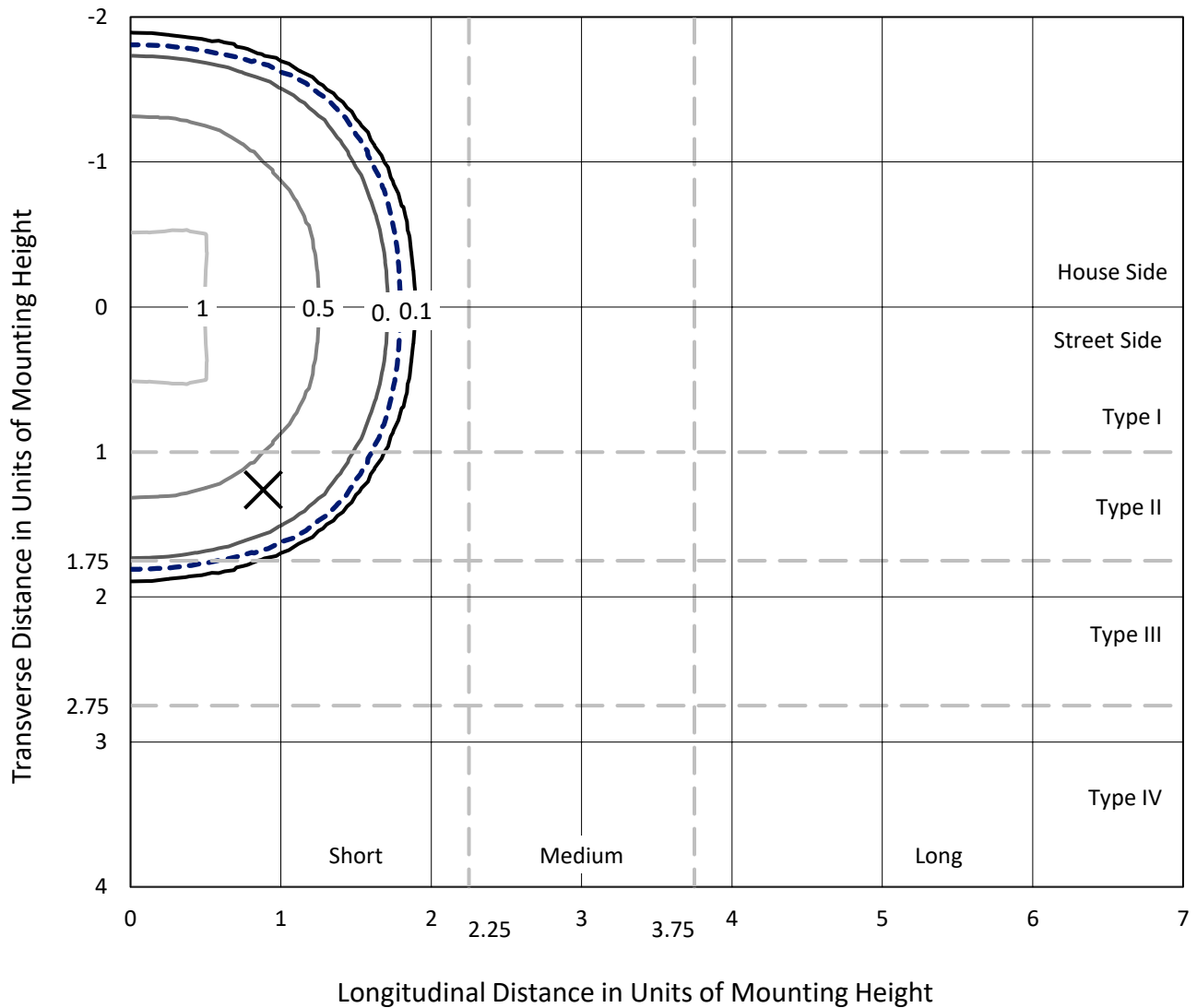
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

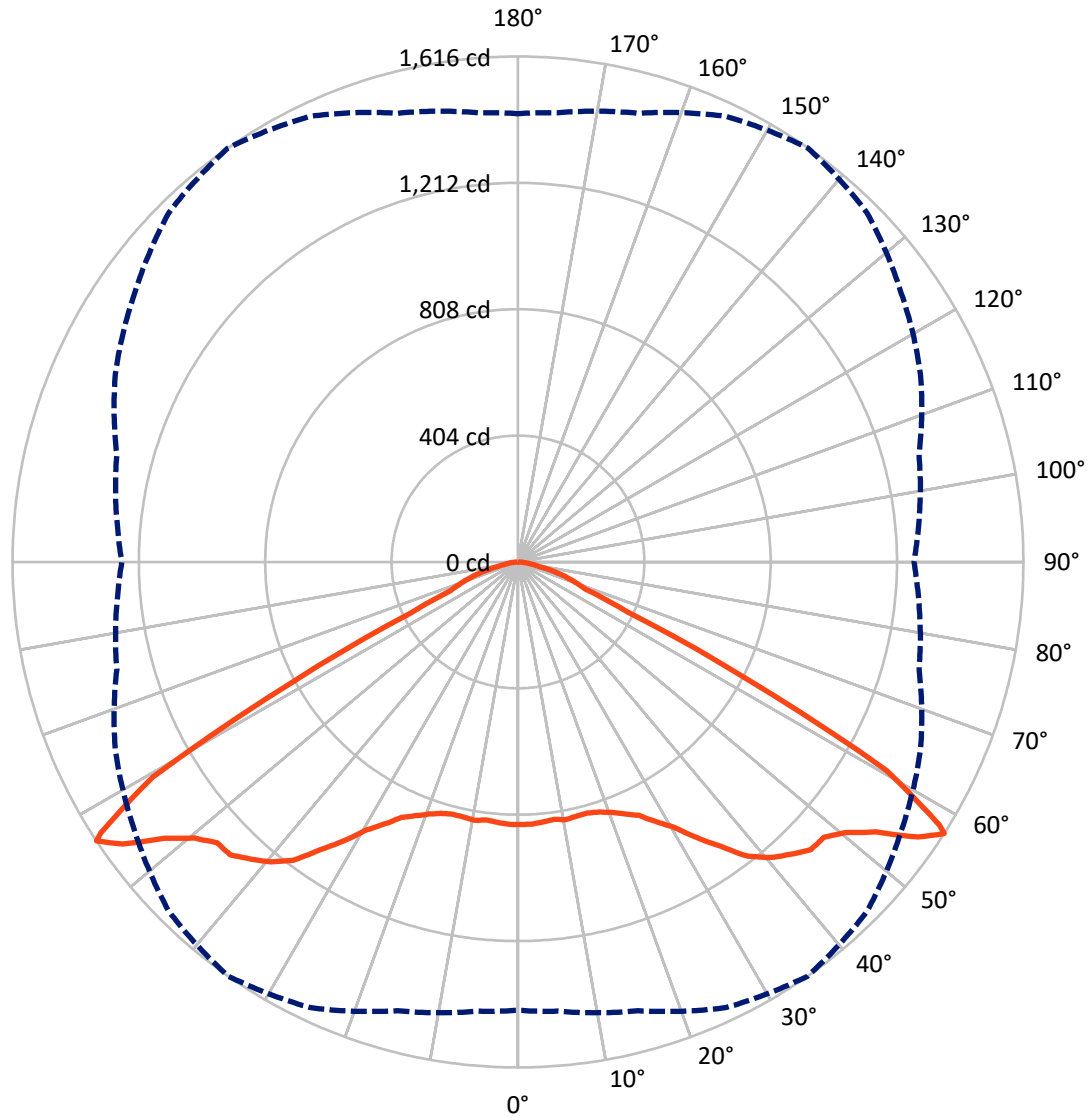
× Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2125.0	0.0	2125.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2125.0	0.0	2125.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4250.0	0.0	4250.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.6	1.9
10°-20°	235.7	5.5
20°-30°	411.6	9.7
30°-40°	674.4	15.9
40°-50°	988.8	23.3
50°-60°	1245.5	29.3
60°-70°	468.4	11.0
70°-80°	124.6	2.9
80°-90°	21.4	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°	4250.0	100.0
0°-180°	4250.0	100.0

**Coefficient of Utilization**



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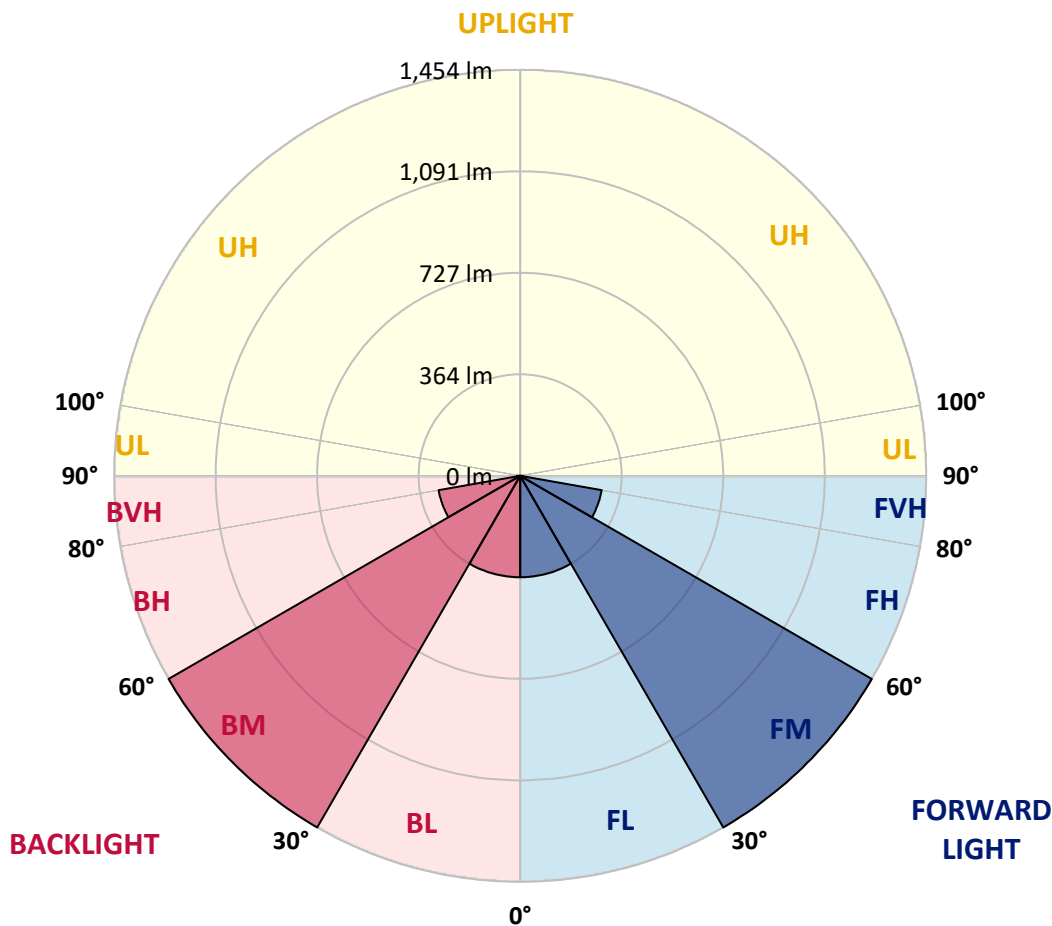
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	8.6			
FM (30°-60°)	1454.4	34.2			
FH (60°-80°)	296.5	7.0			G0/660
FVH (80°-90°)	10.7	0.3			G1/100
BL (0°-30°)	363.4	8.6	B1/500		
BM (30°-60°)	1454.4	34.2	B2/2500		
BH (60°-80°)	296.5	7.0	B1/500		G0/660
BVH (80°-90°)	10.7	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°	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3	839.3
2.5°	835.2	843.5	839.9	837.8	839.3	836.7	832.5	837.2	836.2	832.0	830.4
5°	833.1	839.3	835.2	839.3	835.2	842.5	840.4	832.5	842.0	833.1	836.2
7.5°	831.5	833.6	834.6	832.5	831.0	839.9	835.2	831.5	826.3	824.7	827.3
10°	827.8	833.1	825.2	835.7	837.8	831.5	831.5	824.7	820.5	817.9	826.8
12.5°	837.2	828.3	827.3	832.5	834.1	836.7	829.4	825.7	817.9	818.9	817.4
15°	826.3	829.9	830.4	831.5	833.1	839.3	832.5	824.7	821.5	810.5	811.6
17.5°	830.4	826.8	830.4	842.5	840.4	845.1	837.8	825.7	818.4	812.1	820.5
20°	837.8	836.2	837.8	852.4	855.1	859.2	853.0	842.0	827.8	820.5	824.7
22.5°	845.6	844.6	845.6	859.8	874.9	880.2	873.9	848.2	840.9	827.3	822.6
25°	859.8	860.8	871.8	887.5	897.5	907.4	895.9	877.6	854.0	845.6	835.7
27.5°	891.2	893.8	900.1	923.1	940.4	949.3	933.1	907.9	893.3	876.0	873.4
30°	929.9	929.9	940.9	960.8	984.4	998.0	978.1	948.3	930.5	921.0	915.3
32.5°	981.2	975.5	979.7	1014.8	1051.4	1062.9	1036.2	999.6	971.3	958.7	954.5
35°	1025.2	1028.9	1038.3	1076.0	1116.9	1143.6	1101.7	1054.0	1025.2	1013.7	1011.6
37.5°	1082.3	1088.6	1093.3	1145.1	1194.3	1204.3	1164.0	1125.8	1090.7	1081.3	1076.0
40°	1162.9	1158.7	1160.3	1198.5	1243.0	1249.3	1209.5	1182.3	1153.5	1147.7	1147.7
42.5°	1229.4	1224.7	1230.0	1244.1	1278.1	1273.4	1251.4	1231.5	1219.5	1213.2	1219.5
45°	1269.7	1268.7	1278.1	1288.6	1312.7	1297.0	1279.7	1282.8	1271.3	1260.8	1260.3
47.5°	1313.7	1306.9	1318.4	1334.2	1315.8	1308.5	1307.4	1314.3	1310.6	1292.3	1286.5
50°	1335.2	1332.6	1350.9	1369.2	1359.3	1342.5	1346.2	1357.2	1310.1	1285.5	1271.3
52.5°	1392.8	1393.3	1428.4	1438.4	1434.2	1409.6	1417.4	1387.6	1332.1	1297.5	1299.1
55°	1483.4	1479.7	1519.0	1548.3	1553.0	1521.6	1483.9	1442.0	1372.4	1337.3	1326.8
57°	1433.6	1442.0	1485.5	1572.4	1616.4	1579.2	1497.0	1420.5	1327.9	1285.5	1266.6
57.5°	1367.1	1380.8	1456.2	1543.6	1589.7	1586.5	1480.8	1380.8	1298.0	1232.0	1233.6
60°	1001.7	1004.3	1072.3	1211.1	1355.1	1358.2	1229.4	1097.0	1004.8	933.1	943.0
62.5°	528.3	540.4	567.6	679.1	803.7	834.1	756.1	688.0	608.4	554.0	559.2
65°	279.6	278.0	291.1	322.5	383.8	399.5	389.0	335.1	307.4	298.5	299.0
67.5°	227.2	229.9	228.3	229.9	234.1	240.9	239.3	241.4	243.0	245.6	245.0
70°	192.7	192.7	193.7	194.3	194.3	197.4	201.1	207.9	208.4	211.0	212.1
72.5°	151.8	150.8	152.4	156.0	156.6	159.2	164.4	168.6	170.2	170.2	167.0
75°	103.2	104.2	106.3	109.4	112.6	117.3	121.5	124.1	125.1	123.6	122.0
77.5°	58.1	59.2	60.7	65.5	69.1	73.3	78.0	80.6	83.3	83.8	80.6
80°	34.6	34.6	37.2	40.8	45.0	49.2	53.4	56.5	57.6	57.6	56.0
82.5°	20.9	21.5	23.6	27.2	30.9	33.5	37.2	39.8	41.9	41.4	40.3
85°	11.0	11.0	13.1	16.2	18.8	21.5	21.5	19.9	18.8	16.2	15.2
87.5°	3.7	3.1	4.2	4.2	3.7	4.2	4.2	4.7	4.7	4.7	4.7
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)