

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: P526328

Luminaire Tested: **GALN-SA1B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526328  
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-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 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: 4551 lumens  
Efficiency: N/A  
Efficacy: 103.4 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

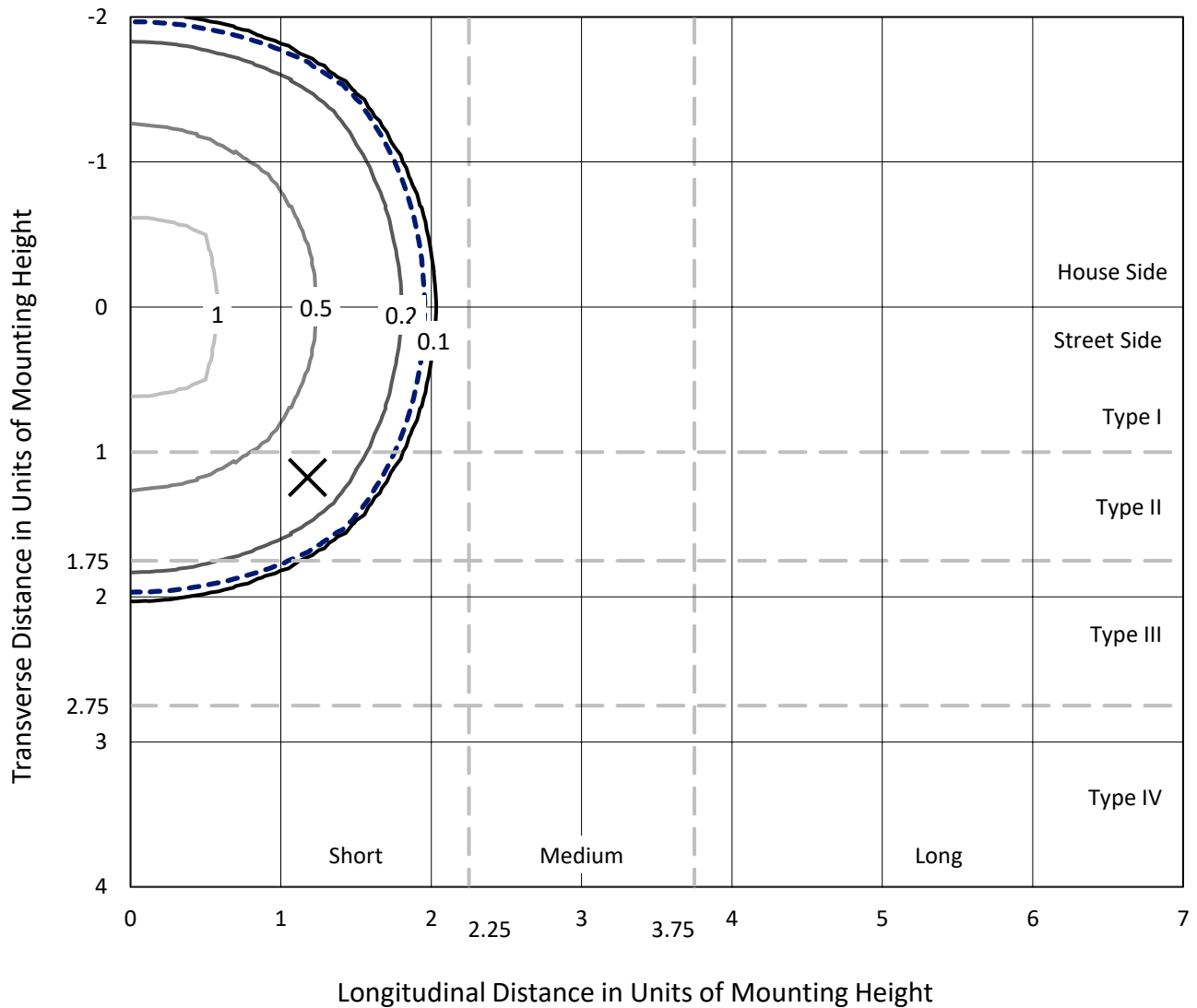
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

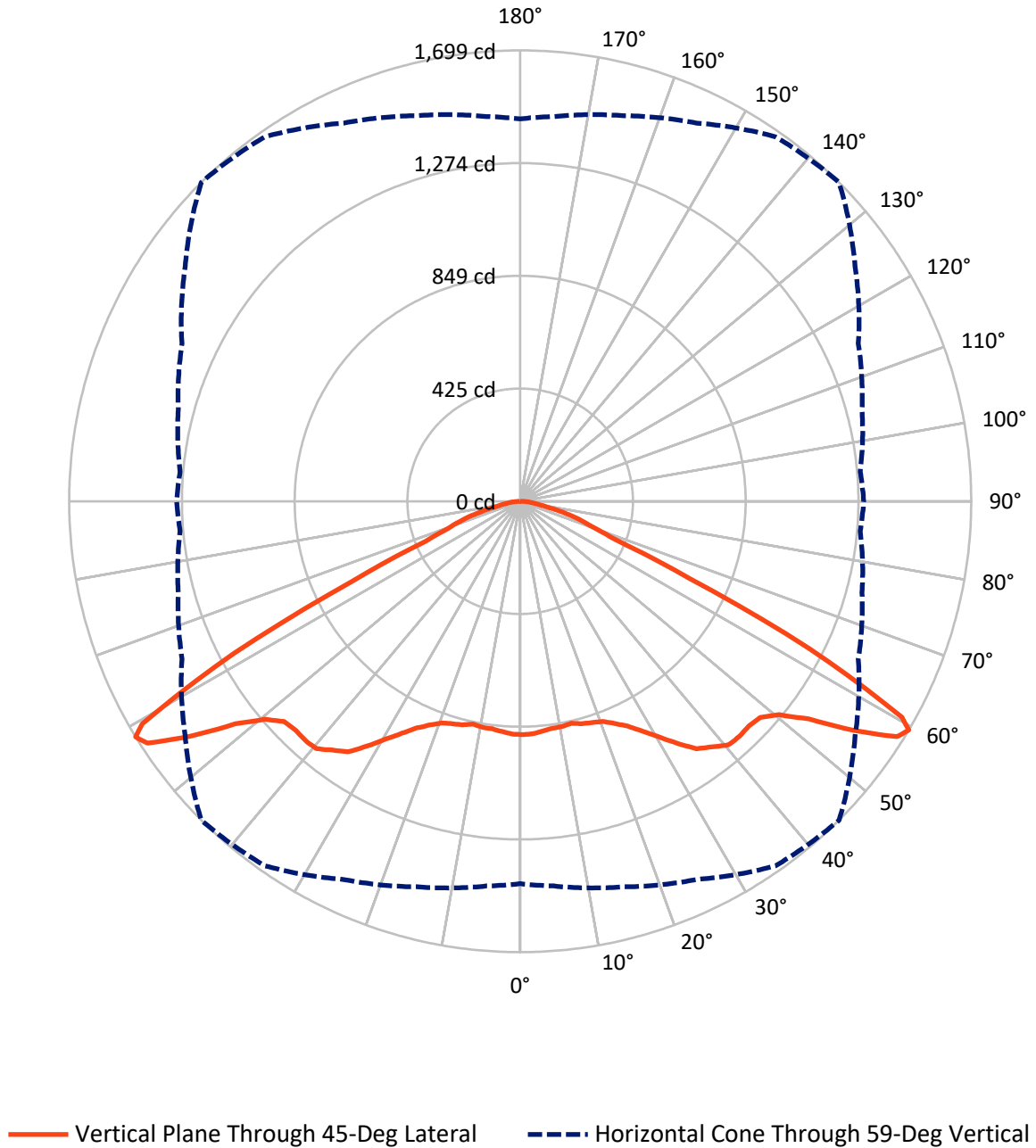
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2275.5	0.0	2275.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2275.5	0.0	2275.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4551.0	0.0	4551.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	1.8
10°-20°	246.4	5.4
20°-30°	430.3	9.5
30°-40°	687.2	15.1
40°-50°	936.2	20.6
50°-60°	1265.9	27.8
60°-70°	694.2	15.3
70°-80°	177.6	3.9
80°-90°	30.3	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°	4551.0	100.0
0°-180°	4551.0	100.0



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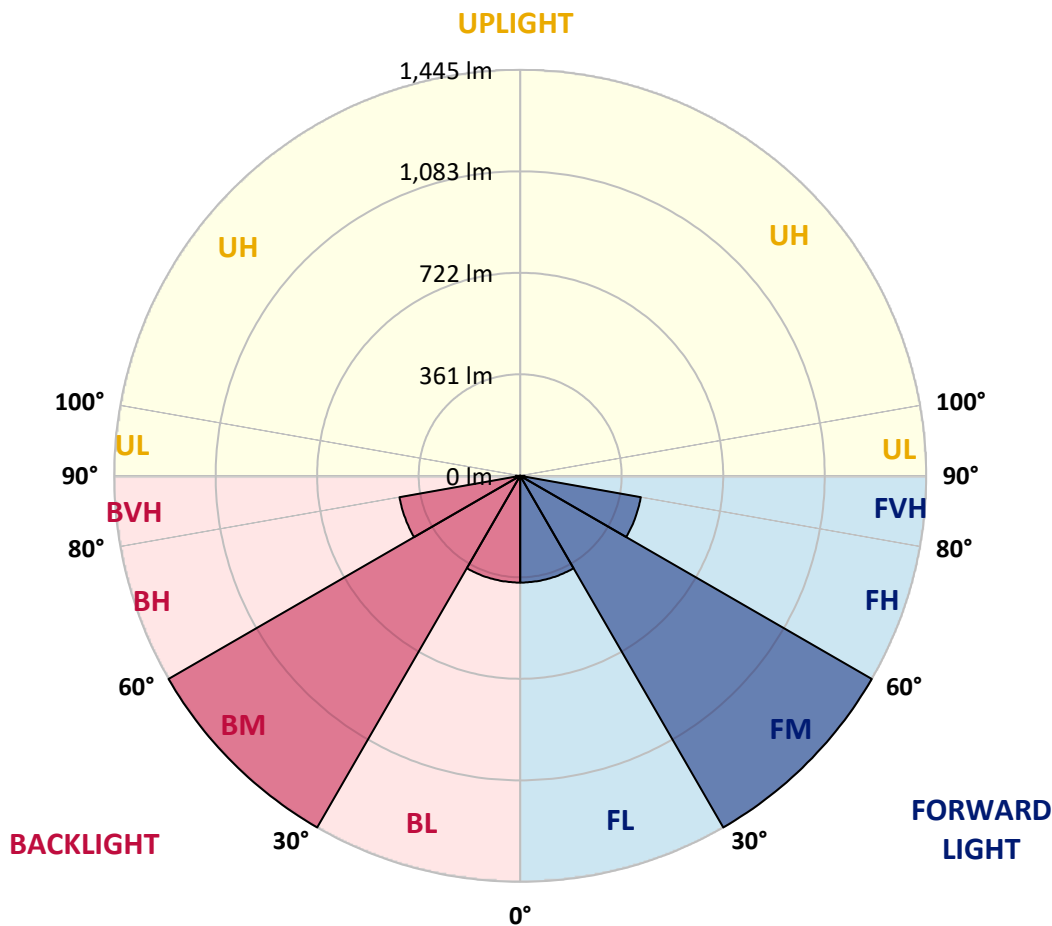
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.8	8.3			
FM (30°-60°)	1444.6	31.7			
FH (60°-80°)	435.9	9.6			G0/660
FVH (80°-90°)	15.1	0.3			G1/100
BL (0°-30°)	379.8	8.3	B1/500		
BM (30°-60°)	1444.6	31.7	B2/2500		
BH (60°-80°)	435.9	9.6	B1/500		G0/660
BVH (80°-90°)	15.1	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°	879.0	879.0	879.0	879.0	879.0	879.0	879.0	879.0	879.0	879.0	879.0
2.5°	873.8	880.2	875.5	879.6	879.0	877.3	874.4	872.6	870.3	873.8	868.0
5°	870.3	875.5	880.8	873.8	873.8	870.3	868.5	865.0	865.0	864.5	863.9
7.5°	876.1	870.9	868.5	869.7	870.9	863.3	868.5	861.5	855.7	859.8	864.5
10°	870.9	873.2	864.5	868.5	862.1	863.3	859.8	864.5	858.0	858.0	858.0
12.5°	876.1	869.7	872.6	869.7	868.0	858.0	862.7	857.5	856.9	862.7	857.5
15°	886.6	876.1	873.8	868.0	869.7	869.7	865.0	865.6	859.2	862.7	863.9
17.5°	883.1	877.3	875.5	868.5	874.4	876.1	867.4	861.5	865.6	865.0	864.5
20°	886.0	888.4	886.6	887.8	890.1	885.5	877.3	869.1	863.9	871.5	870.9
22.5°	904.7	902.4	901.2	900.0	904.1	908.8	897.7	884.9	884.9	890.1	892.5
25°	919.9	919.3	918.7	923.9	937.9	937.9	923.9	907.6	903.5	907.0	904.1
27.5°	942.0	948.4	946.1	955.4	975.9	980.5	961.9	942.6	931.5	927.4	932.7
30°	992.8	985.2	986.9	996.9	1014.9	1030.1	1001.5	981.1	965.9	965.4	967.7
32.5°	1026.6	1032.4	1037.7	1047.0	1075.6	1087.3	1052.9	1019.6	1010.3	1005.0	1006.8
35°	1094.3	1089.0	1087.9	1097.2	1125.8	1145.0	1101.9	1072.7	1060.4	1072.1	1072.1
37.5°	1158.4	1143.9	1132.8	1145.0	1171.3	1173.6	1136.9	1121.1	1114.7	1128.1	1127.5
40°	1188.8	1187.6	1161.9	1168.9	1203.9	1207.4	1173.0	1154.4	1153.2	1170.7	1188.2
42.5°	1220.3	1209.2	1183.5	1188.2	1209.8	1210.9	1178.3	1173.0	1185.9	1202.8	1203.9
45°	1225.5	1216.2	1199.9	1188.2	1203.9	1207.4	1188.2	1191.7	1192.9	1213.3	1213.3
47.5°	1236.0	1234.8	1225.5	1216.8	1219.7	1216.8	1204.5	1209.8	1227.3	1237.2	1232.5
50°	1265.2	1252.9	1262.3	1254.7	1255.3	1263.4	1252.3	1257.6	1254.1	1245.3	1239.5
52.5°	1329.3	1323.5	1331.7	1336.9	1342.8	1361.4	1348.6	1320.6	1294.3	1271.0	1270.4
55°	1423.3	1427.3	1443.1	1469.9	1492.7	1522.4	1460.6	1393.5	1351.5	1314.8	1317.1
57.5°	1511.9	1509.0	1530.6	1591.8	1658.3	1673.5	1552.2	1456.5	1388.3	1364.9	1355.0
59°	1440.8	1454.8	1503.8	1572.0	1676.4	1698.6	1539.9	1405.2	1332.8	1285.6	1293.8
60°	1328.8	1334.0	1377.8	1472.8	1614.0	1651.9	1457.7	1325.8	1229.6	1202.2	1214.4
62.5°	939.1	935.0	966.5	1044.1	1170.7	1222.0	1083.8	991.0	930.4	900.0	907.0
65°	499.3	518.0	530.8	579.2	646.3	700.5	643.4	603.1	569.3	544.2	543.6
67.5°	337.1	334.8	337.7	348.8	371.6	386.7	385.6	365.1	362.2	357.6	362.8
70°	284.1	282.9	277.7	277.7	282.3	285.8	289.9	292.2	296.9	302.7	302.2
72.5°	230.4	227.5	224.0	222.2	228.1	229.8	235.1	237.4	241.5	240.9	246.2
75°	152.2	152.2	156.3	161.0	162.7	166.2	166.8	173.8	173.8	175.0	170.3
77.5°	85.2	82.8	85.7	90.4	94.5	100.9	107.3	112.6	115.5	114.3	114.3
80°	49.6	49.6	52.5	57.7	63.0	68.8	73.5	77.6	80.5	79.3	77.0
82.5°	30.9	30.9	33.8	39.1	43.2	46.7	53.1	58.3	61.8	60.7	57.7
85°	15.7	15.7	19.2	22.7	28.0	30.3	29.7	27.4	26.8	23.9	23.9
87.5°	4.1	4.1	5.8	6.4	5.2	5.8	5.8	5.8	5.8	5.8	6.4
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)