

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: P526666

Luminaire Tested: **GALN-SA1C-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526666
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-SA1C-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 4436 lumens
Efficiency: N/A
Efficacy: 77.8 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

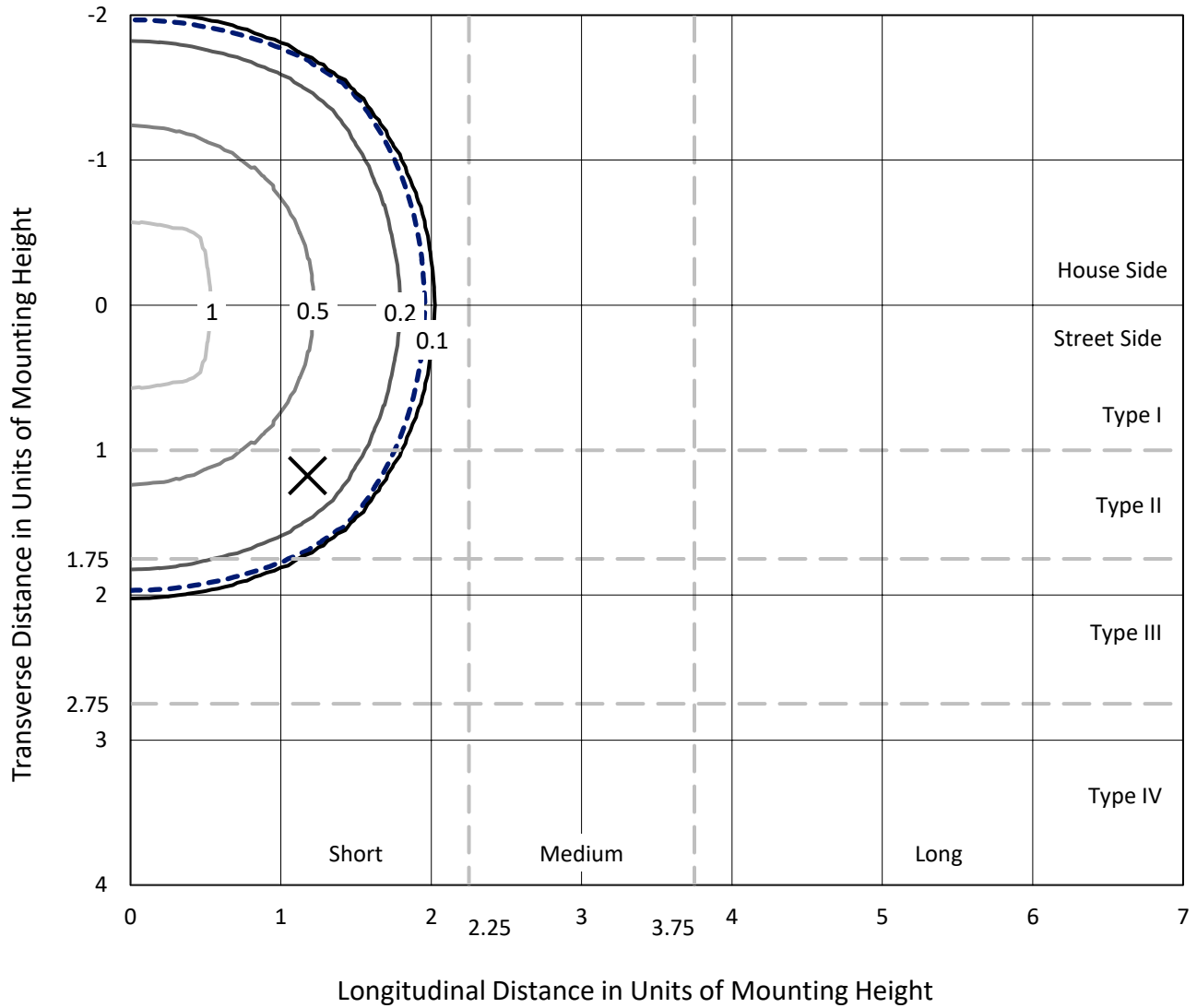
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

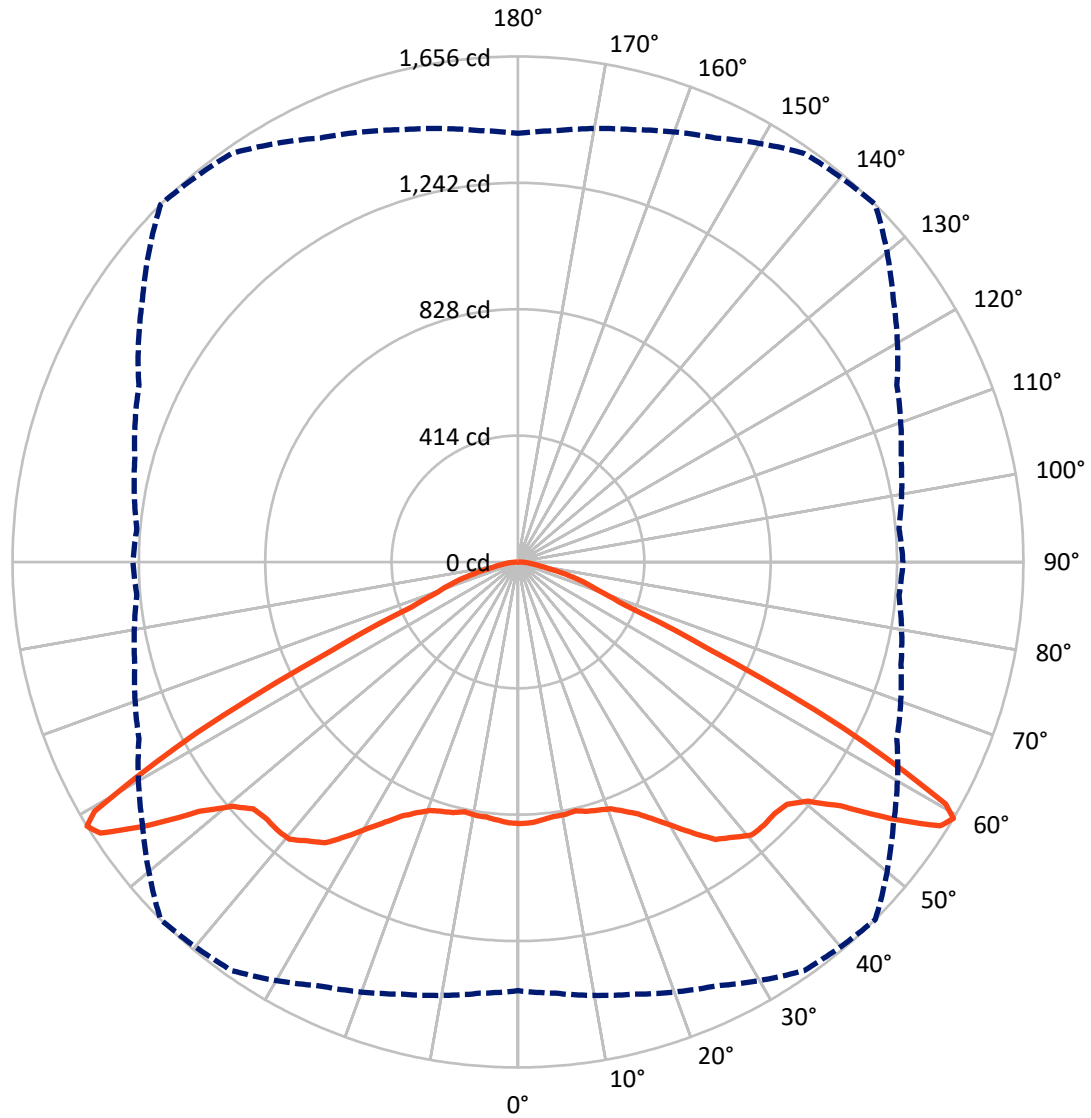
✕ Max cd
 - - - 1/2 Max cd



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



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.0	0.0	2218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2218.0	0.0	2218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4436.0	0.0	4436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.8
10°-20°	240.2	5.4
20°-30°	419.4	9.5
30°-40°	669.9	15.1
40°-50°	912.5	20.6
50°-60°	1233.9	27.8
60°-70°	676.7	15.3
70°-80°	173.1	3.9
80°-90°	29.5	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°	4436.0	100.0
0°-180°	4436.0	100.0

Coefficient of Utilization



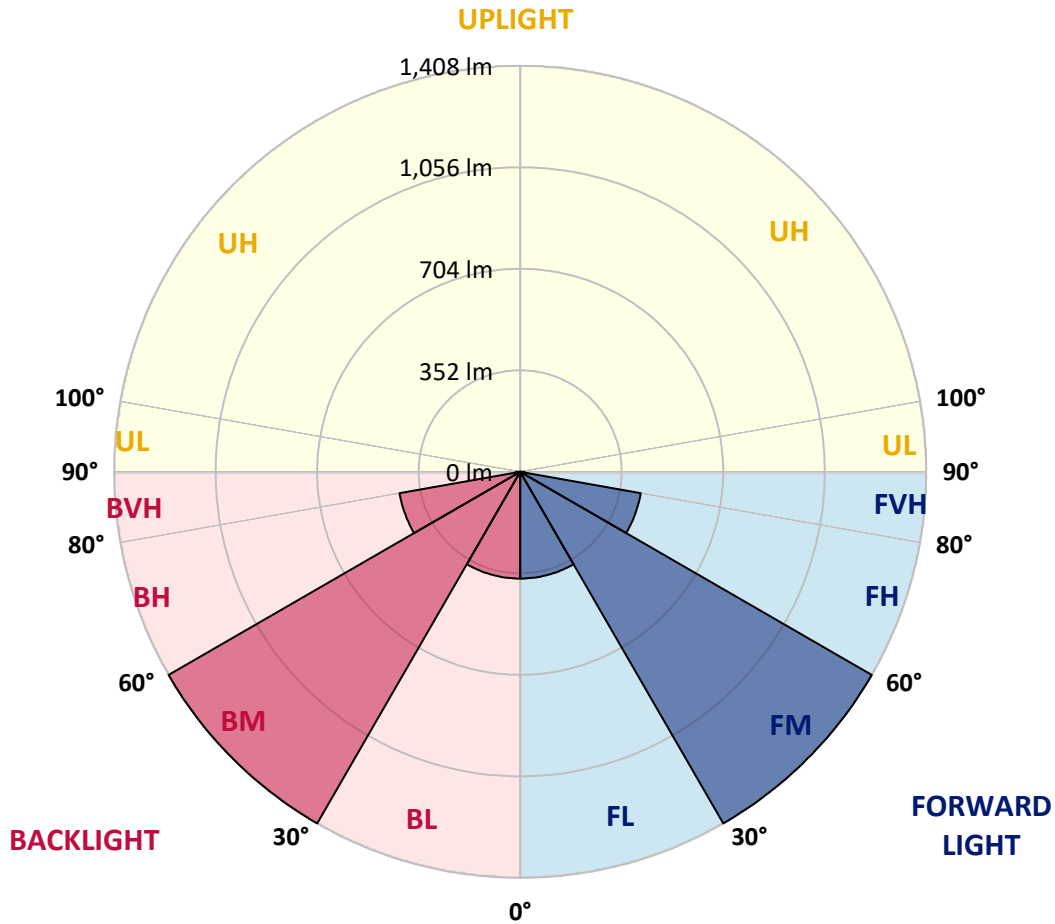
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.2	8.3			
FM (30°-60°)	1408.1	31.7			
FH (60°-80°)	424.9	9.6			G0/660
FVH (80°-90°)	14.8	0.3			G1/100
BL (0°-30°)	370.2	8.3	B1/500		
BM (30°-60°)	1408.1	31.7	B2/2500		
BH (60°-80°)	424.9	9.6	B1/500		G0/660
BVH (80°-90°)	14.8	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°	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8
2.5°	851.7	858.0	853.4	857.4	856.8	855.1	852.3	850.6	848.3	851.7	846.0
5°	848.3	853.4	858.5	851.7	851.7	848.3	846.6	843.2	843.2	842.6	842.0
7.5°	854.0	848.9	846.6	847.7	848.9	841.5	846.6	839.8	834.1	838.1	842.6
10°	848.9	851.1	842.6	846.6	840.3	841.5	838.1	842.6	836.4	836.4	836.4
12.5°	854.0	847.7	850.6	847.7	846.0	836.4	840.9	835.8	835.2	840.9	835.8
15°	864.2	854.0	851.7	846.0	847.7	847.7	843.2	843.7	837.5	840.9	842.0
17.5°	860.8	855.1	853.4	846.6	852.3	854.0	845.5	839.8	843.7	843.2	842.6
20°	863.6	865.9	864.2	865.4	867.6	863.1	855.1	847.2	842.0	849.4	848.9
22.5°	881.8	879.6	878.4	877.3	881.3	885.8	875.0	862.5	862.5	867.6	869.9
25°	896.6	896.1	895.5	900.6	914.2	914.2	900.6	884.7	880.7	884.1	881.3
27.5°	918.2	924.5	922.2	931.3	951.2	955.8	937.6	918.8	908.0	904.0	909.1
30°	967.7	960.3	962.0	971.7	989.3	1004.1	976.2	956.3	941.5	941.0	943.2
32.5°	1000.7	1006.4	1011.5	1020.6	1048.4	1059.8	1026.3	993.8	984.7	979.6	981.3
35°	1066.6	1061.5	1060.4	1069.5	1097.3	1116.1	1074.0	1045.6	1033.6	1045.0	1045.0
37.5°	1129.2	1115.0	1104.1	1116.1	1141.7	1143.9	1108.1	1092.8	1086.5	1099.6	1099.0
40°	1158.7	1157.6	1132.6	1139.4	1173.5	1176.9	1143.4	1125.2	1124.0	1141.1	1158.2
42.5°	1189.4	1178.6	1153.6	1158.2	1179.2	1180.3	1148.5	1143.4	1155.9	1172.4	1173.5
45°	1194.5	1185.5	1169.5	1158.2	1173.5	1176.9	1158.2	1161.6	1162.7	1182.6	1182.6
47.5°	1204.8	1203.6	1194.5	1186.0	1188.9	1186.0	1174.1	1179.2	1196.3	1205.9	1201.4
50°	1233.2	1221.3	1230.4	1223.0	1223.5	1231.5	1220.7	1225.8	1222.4	1213.9	1208.2
52.5°	1295.8	1290.1	1298.0	1303.1	1308.8	1327.0	1314.5	1287.2	1261.6	1238.9	1238.3
55°	1387.3	1391.3	1406.6	1432.8	1455.0	1483.9	1423.7	1358.3	1317.4	1281.5	1283.8
57.5°	1473.7	1470.9	1491.9	1551.6	1616.4	1631.2	1512.9	1419.7	1353.2	1330.4	1320.8
59°	1404.3	1418.0	1465.8	1532.3	1634.0	1655.7	1501.0	1369.7	1299.2	1253.1	1261.1
60°	1295.2	1300.3	1342.9	1435.6	1573.2	1610.2	1420.8	1292.3	1198.5	1171.8	1183.7
62.5°	915.4	911.4	942.1	1017.7	1141.1	1191.1	1056.4	966.0	906.9	877.3	884.1
65°	486.7	504.9	517.4	564.6	630.0	682.8	627.1	587.9	554.9	530.5	529.9
67.5°	328.6	326.4	329.2	340.0	362.2	377.0	375.8	355.9	353.1	348.5	353.6
70°	276.9	275.8	270.6	270.6	275.2	278.6	282.6	284.8	289.4	295.1	294.5
72.5°	224.6	221.7	218.3	216.6	222.3	224.0	229.1	231.4	235.4	234.8	239.9
75°	148.4	148.4	152.4	156.9	158.6	162.0	162.6	169.4	169.4	170.6	166.0
77.5°	83.0	80.7	83.6	88.1	92.1	98.4	104.6	109.7	112.6	111.4	111.4
80°	48.3	48.3	51.2	56.3	61.4	67.1	71.6	75.6	78.5	77.3	75.1
82.5°	30.1	30.1	33.0	38.1	42.1	45.5	51.7	56.9	60.3	59.1	56.3
85°	15.4	15.4	18.8	22.2	27.3	29.6	29.0	26.7	26.2	23.3	23.3
87.5°	4.0	4.0	5.7	6.3	5.1	5.7	5.7	5.7	5.7	5.7	6.3
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)