

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: P526662

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526662
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-SA1C-827-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 4616 lumens
Efficiency: N/A
Efficacy: 81.0 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

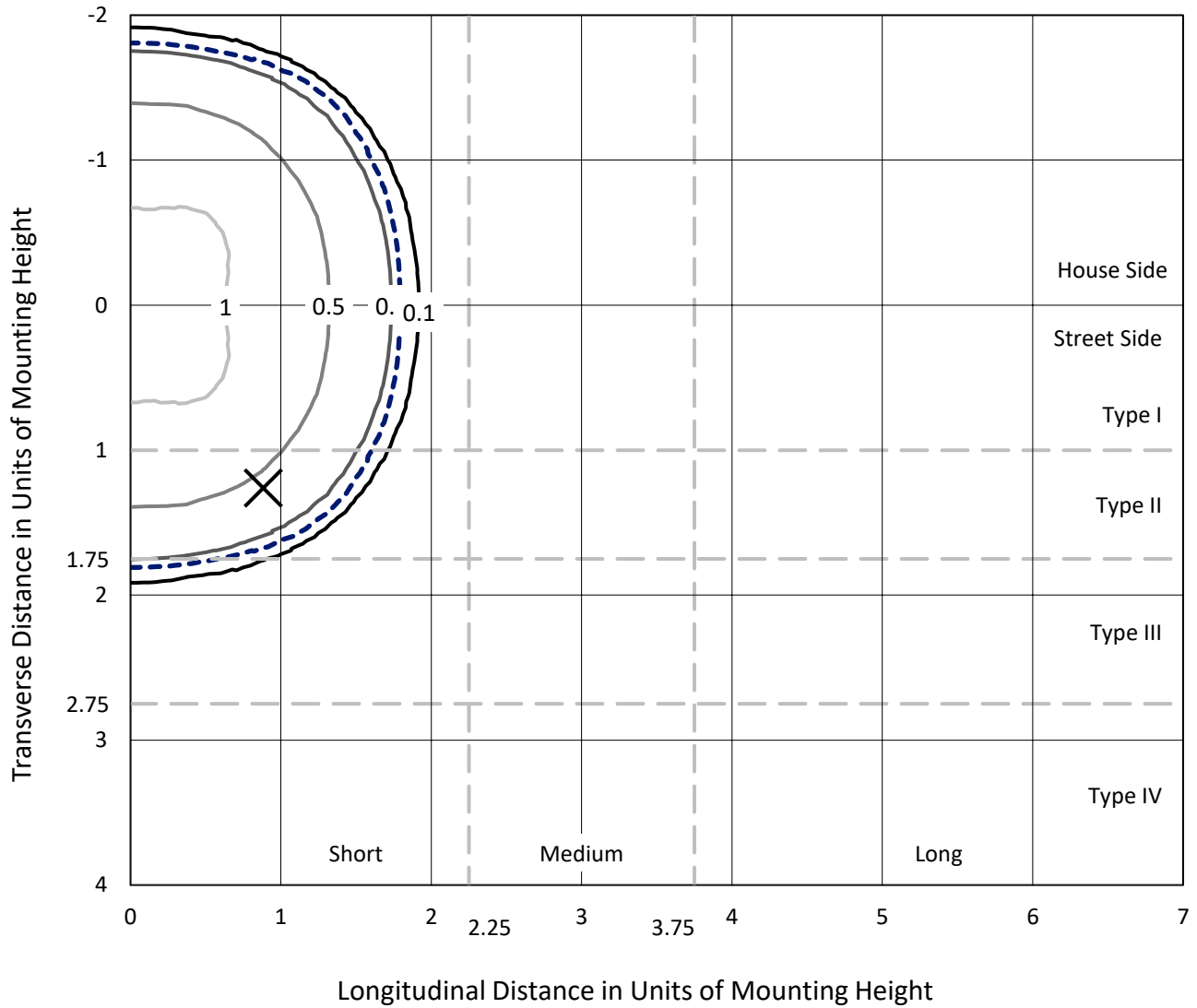
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

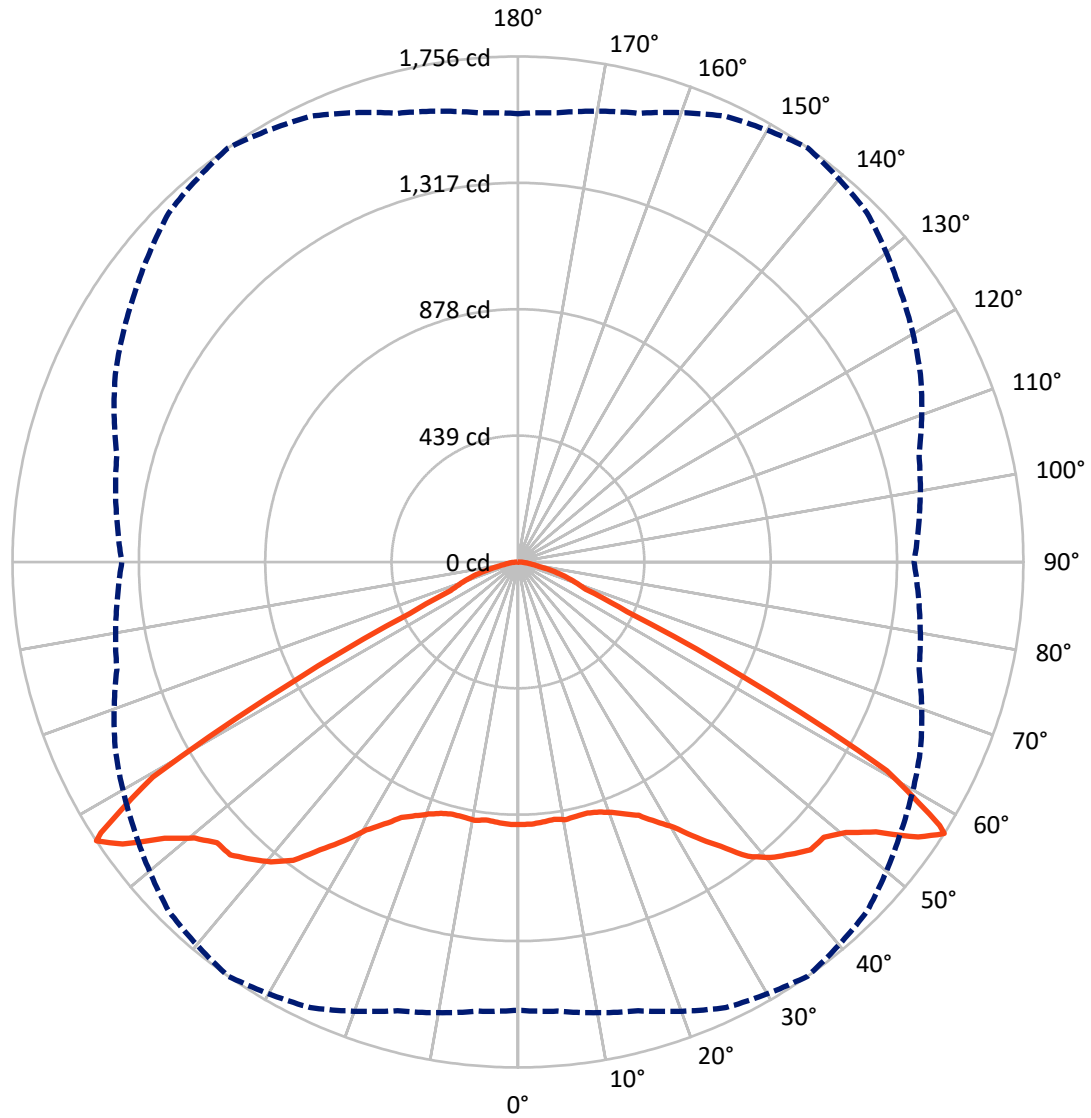
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	2308.0	0.0	2308.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2308.0	0.0	2308.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4616.0	0.0	4616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.9
10°-20°	256.0	5.5
20°-30°	447.0	9.7
30°-40°	732.5	15.9
40°-50°	1074.0	23.3
50°-60°	1352.8	29.3
60°-70°	508.8	11.0
70°-80°	135.3	2.9
80°-90°	23.2	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°	4616.0	100.0
0°-180°	4616.0	100.0

Coefficient of Utilization



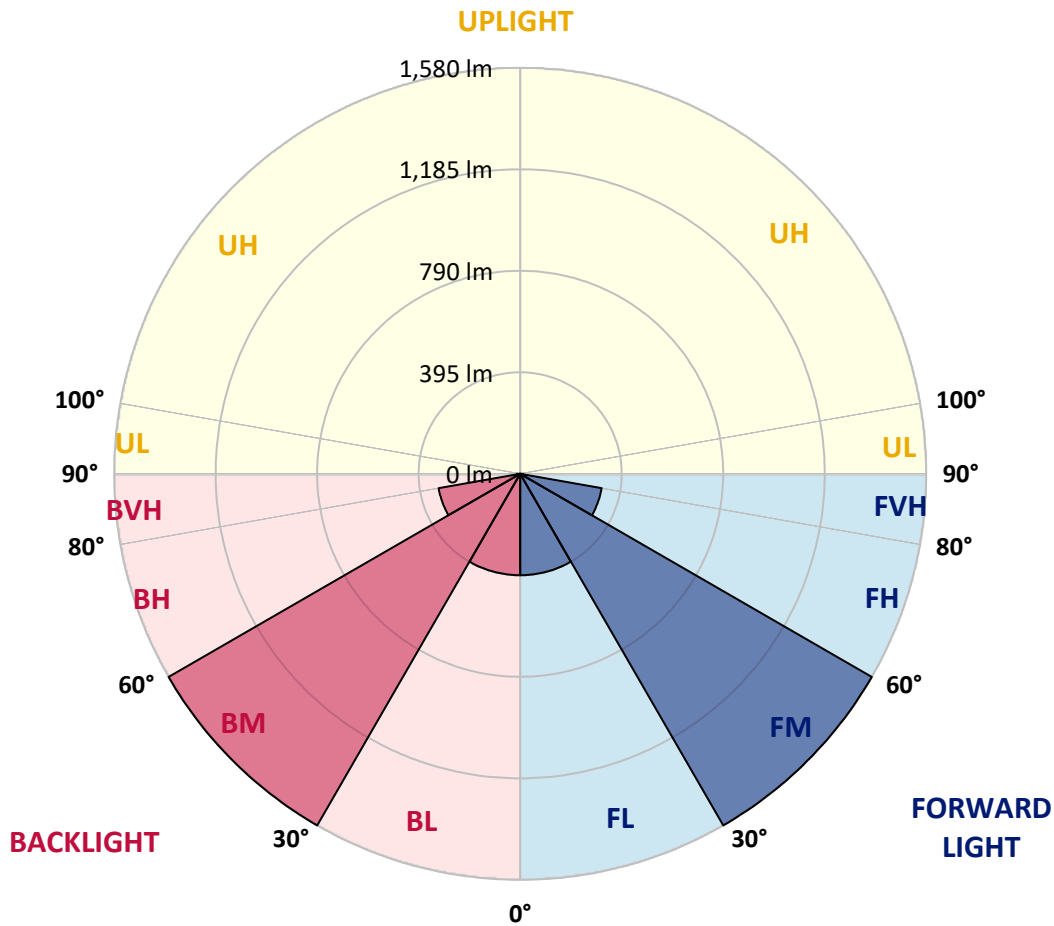
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.7	8.6			
FM (30°-60°)	1579.7	34.2			
FH (60°-80°)	322.0	7.0			G0/660
FVH (80°-90°)	11.6	0.3			G1/100
BL (0°-30°)	394.7	8.6	B1/500		
BM (30°-60°)	1579.7	34.2	B2/2500		
BH (60°-80°)	322.0	7.0	B1/500		G0/660
BVH (80°-90°)	11.6	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°	911.6	911.6	911.6	911.6	911.6	911.6	911.6	911.6	911.6	911.6	911.6
2.5°	907.1	916.2	912.2	909.9	911.6	908.8	904.2	909.4	908.2	903.7	902.0
5°	904.8	911.6	907.1	911.6	907.1	915.0	912.8	904.2	914.5	904.8	908.2
7.5°	903.1	905.4	906.5	904.2	902.5	912.2	907.1	903.1	897.4	895.7	898.5
10°	899.1	904.8	896.3	907.6	909.9	903.1	903.1	895.7	891.2	888.3	898.0
12.5°	909.4	899.7	898.5	904.2	905.9	908.8	900.8	896.8	888.3	889.4	887.7
15°	897.4	901.4	902.0	903.1	904.8	911.6	904.2	895.7	892.3	880.3	881.5
17.5°	902.0	898.0	902.0	915.0	912.8	917.9	909.9	896.8	888.9	882.1	891.2
20°	909.9	908.2	909.9	925.8	928.7	933.2	926.4	914.5	899.1	891.2	895.7
22.5°	918.5	917.3	918.5	933.8	950.3	956.0	949.2	921.3	913.3	898.5	893.4
25°	933.8	934.9	946.9	963.9	974.8	985.6	973.0	953.1	927.5	918.5	907.6
27.5°	967.9	970.8	977.6	1002.6	1021.4	1031.1	1013.4	986.1	970.2	951.4	948.6
30°	1010.0	1010.0	1022.0	1043.6	1069.2	1083.9	1062.3	1029.9	1010.6	1000.3	994.1
32.5°	1065.7	1059.5	1064.0	1102.1	1141.9	1154.5	1125.5	1085.6	1054.9	1041.3	1036.7
35°	1113.5	1117.5	1127.7	1168.7	1213.0	1242.0	1196.5	1144.8	1113.5	1101.0	1098.7
37.5°	1175.5	1182.3	1187.4	1243.7	1297.2	1308.0	1264.2	1222.7	1184.6	1174.4	1168.7
40°	1263.1	1258.5	1260.2	1301.8	1350.1	1356.9	1313.7	1284.1	1252.8	1246.6	1246.6
42.5°	1335.3	1330.2	1335.9	1351.2	1388.2	1383.1	1359.2	1337.6	1324.5	1317.7	1324.5
45°	1379.1	1378.0	1388.2	1399.6	1425.7	1408.7	1389.9	1393.3	1380.8	1369.4	1368.9
47.5°	1426.9	1419.5	1432.0	1449.0	1429.1	1421.2	1420.0	1427.4	1423.5	1403.6	1397.3
50°	1450.2	1447.3	1467.2	1487.2	1476.3	1458.1	1462.1	1474.1	1422.9	1396.2	1380.8
52.5°	1512.7	1513.3	1551.4	1562.2	1557.7	1530.9	1539.5	1507.1	1446.8	1409.2	1410.9
55°	1611.1	1607.1	1649.8	1681.6	1686.8	1652.6	1611.7	1566.2	1490.6	1452.5	1441.1
57°	1557.1	1566.2	1613.4	1707.8	1755.6	1715.2	1625.9	1542.9	1442.2	1396.2	1375.7
57.5°	1484.9	1499.7	1581.6	1676.5	1726.6	1723.2	1608.3	1499.7	1409.8	1338.2	1339.9
60°	1087.9	1090.8	1164.7	1315.4	1471.8	1475.2	1335.3	1191.4	1091.3	1013.4	1024.2
62.5°	573.8	586.9	616.5	737.6	873.0	905.9	821.2	747.3	660.8	601.7	607.4
65°	303.7	302.0	316.2	350.3	416.9	433.9	422.5	364.0	333.8	324.2	324.7
67.5°	246.8	249.7	248.0	249.7	254.2	261.6	259.9	262.2	263.9	266.7	266.2
70°	209.3	209.3	210.4	211.0	211.0	214.4	218.4	225.8	226.3	229.2	230.3
72.5°	164.9	163.8	165.5	169.5	170.0	172.9	178.6	183.1	184.8	184.8	181.4
75°	112.0	113.2	115.4	118.9	122.3	127.4	131.9	134.8	135.9	134.2	132.5
77.5°	63.1	64.3	66.0	71.1	75.1	79.6	84.7	87.6	90.4	91.0	87.6
80°	37.5	37.5	40.4	44.4	48.9	53.5	58.0	61.4	62.6	62.6	60.9
82.5°	22.7	23.3	25.6	29.6	33.6	36.4	40.4	43.2	45.5	44.9	43.8
85°	11.9	11.9	14.2	17.6	20.5	23.3	23.3	21.6	20.5	17.6	16.5
87.5°	4.0	3.4	4.5	4.5	4.0	4.5	4.5	5.1	5.1	5.1	5.1
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)