

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: P650670

Luminaire Tested: **GALN-SA1C-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650670
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-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 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: 5075.4 lumens
Efficiency: N/A
Efficacy: 89.0 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

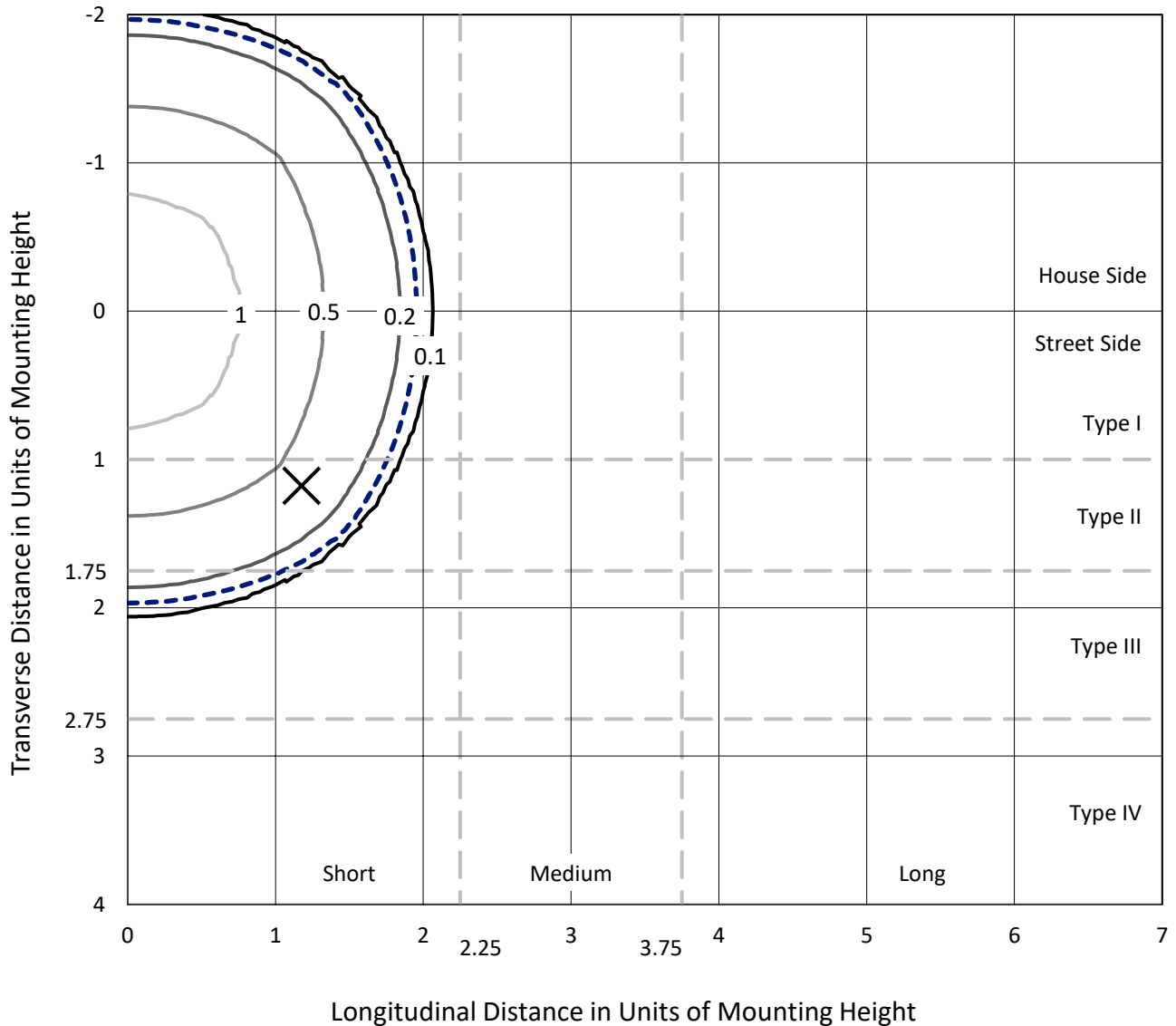
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

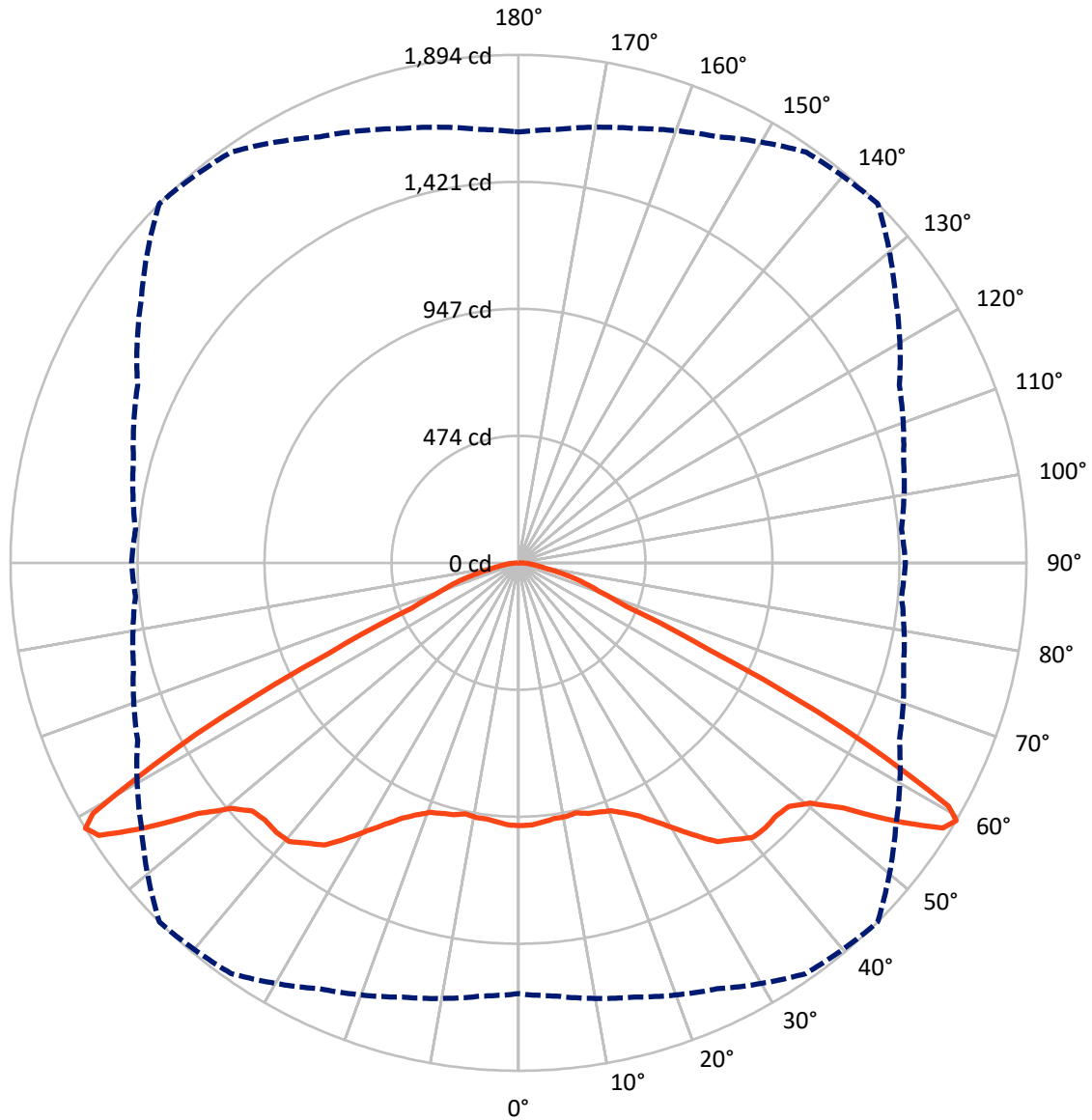
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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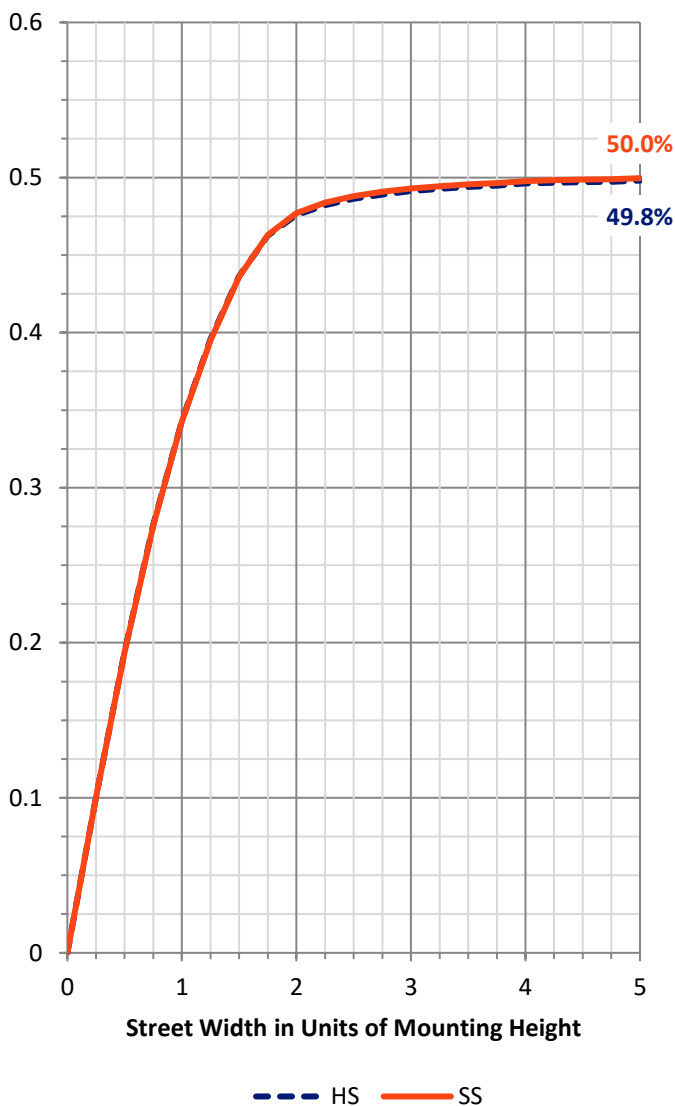
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2537.7	0.0	2537.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2537.7	0.0	2537.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5075.4	0.0	5075.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.8
10°-20°	274.8	5.4
20°-30°	479.9	9.5
30°-40°	766.4	15.1
40°-50°	1044.0	20.6
50°-60°	1411.8	27.8
60°-70°	774.2	15.3
70°-80°	198.1	3.9
80°-90°	33.8	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°	5075.4	100.0
0°-180°	5075.4	100.0

Coefficient of Utilization



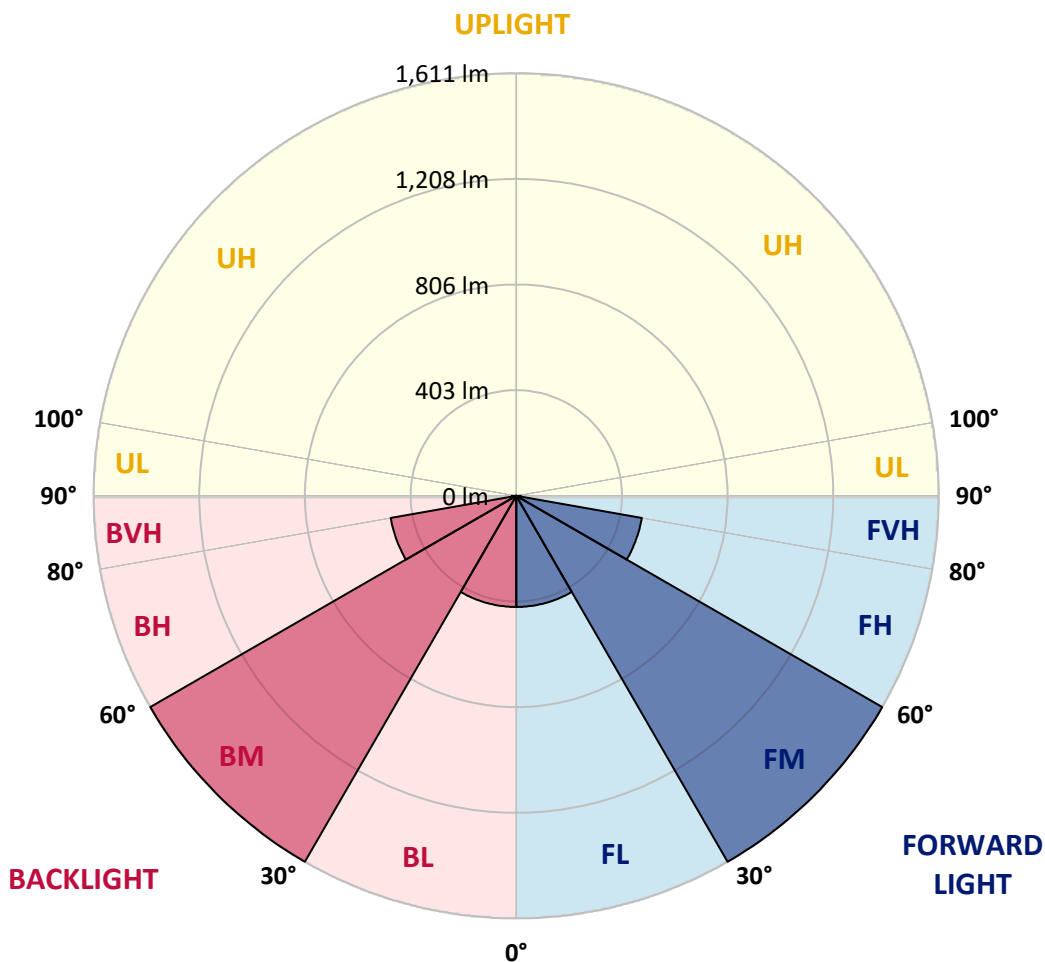
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.6	8.3			
FM (30°-60°)	1611.1	31.7			
FH (60°-80°)	486.1	9.6			G0/660
FVH (80°-90°)	16.9	0.3			G1/100
BL (0°-30°)	423.6	8.3	B1/500		
BM (30°-60°)	1611.1	31.7	B2/2500		
BH (60°-80°)	486.1	9.6	B1/500		G0/660
BVH (80°-90°)	16.9	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°	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4
2.5°	974.5	981.6	976.4	980.9	980.4	978.4	975.1	973.2	970.6	974.5	968.0
5°	970.6	976.4	982.3	974.5	974.5	970.6	968.7	964.7	964.7	964.0	963.4
7.5°	977.1	971.2	968.7	969.9	971.2	962.8	968.7	960.8	954.3	958.8	964.0
10°	971.2	973.8	964.0	968.7	961.4	962.8	958.8	964.0	956.9	956.9	956.9
12.5°	977.1	969.9	973.2	969.9	968.0	956.9	962.1	956.3	955.6	962.1	956.3
15°	988.8	977.1	974.5	968.0	969.9	969.9	964.7	965.4	958.2	962.1	963.4
17.5°	984.9	978.4	976.4	968.7	975.1	977.1	967.3	960.8	965.4	964.7	964.0
20°	988.2	990.7	988.8	990.1	992.7	987.5	978.4	969.3	963.4	971.9	971.2
22.5°	1008.9	1006.3	1005.1	1003.7	1008.3	1013.5	1001.1	986.8	986.8	992.7	995.3
25°	1025.9	1025.2	1024.6	1030.4	1046.0	1046.0	1030.4	1012.2	1007.7	1011.6	1008.3
27.5°	1050.6	1057.7	1055.1	1065.5	1088.3	1093.6	1072.7	1051.2	1038.9	1034.3	1040.1
30°	1107.2	1098.8	1100.7	1111.7	1131.9	1148.8	1116.9	1094.1	1077.2	1076.6	1079.2
32.5°	1144.9	1151.4	1157.3	1167.6	1199.5	1212.6	1174.2	1137.1	1126.7	1120.9	1122.8
35°	1220.4	1214.5	1213.2	1223.7	1255.5	1277.0	1228.9	1196.3	1182.6	1195.6	1195.6
37.5°	1291.9	1275.6	1263.3	1277.0	1306.2	1308.8	1267.9	1250.3	1243.2	1258.1	1257.5
40°	1325.8	1324.5	1295.8	1303.6	1342.7	1346.6	1308.2	1287.4	1286.1	1305.6	1325.1
42.5°	1360.9	1348.5	1319.9	1325.1	1349.2	1350.5	1314.1	1308.2	1322.5	1341.4	1342.7
45°	1366.7	1356.4	1338.1	1325.1	1342.7	1346.6	1325.1	1329.0	1330.3	1353.1	1353.1
47.5°	1378.5	1377.1	1366.7	1357.0	1360.2	1357.0	1343.3	1349.2	1368.7	1379.7	1374.5
50°	1410.9	1397.3	1407.7	1399.3	1399.9	1409.0	1396.6	1402.5	1398.6	1388.8	1382.4
52.5°	1482.5	1476.0	1485.1	1491.0	1497.5	1518.3	1504.0	1472.8	1443.5	1417.5	1416.8
55°	1587.3	1591.8	1609.4	1639.3	1664.7	1697.9	1628.9	1554.1	1507.2	1466.3	1468.9
57.5°	1686.1	1682.9	1707.0	1775.3	1849.4	1866.3	1731.0	1624.3	1548.2	1522.2	1511.2
59°	1606.8	1622.4	1677.0	1753.1	1869.6	1894.3	1717.4	1567.1	1486.5	1433.7	1442.8
60°	1481.8	1487.7	1536.5	1642.6	1800.0	1842.3	1625.7	1478.6	1371.3	1340.7	1354.3
62.5°	1047.3	1042.8	1077.9	1164.4	1305.6	1362.8	1208.7	1105.2	1037.5	1003.7	1011.6
65°	556.8	577.7	592.0	646.0	720.7	781.3	717.5	672.6	634.9	606.9	606.3
67.5°	376.0	373.4	376.7	389.0	414.4	431.3	430.0	407.2	403.9	398.8	404.6
70°	316.8	315.5	309.7	309.7	314.9	318.7	323.3	325.9	331.1	337.6	337.0
72.5°	256.9	253.7	249.8	247.8	254.3	256.3	262.1	264.7	269.3	268.7	274.5
75°	169.8	169.8	174.3	179.6	181.5	185.4	186.0	193.9	193.9	195.2	190.0
77.5°	94.9	92.3	95.6	100.8	105.4	112.5	119.7	125.6	128.8	127.5	127.5
80°	55.3	55.3	58.5	64.4	70.2	76.8	82.0	86.5	89.7	88.5	85.9
82.5°	34.5	34.5	37.8	43.6	48.1	52.1	59.2	65.1	69.0	67.6	64.4
85°	17.6	17.6	21.4	25.4	31.2	33.8	33.1	30.6	29.9	26.7	26.7
87.5°	4.5	4.5	6.5	7.1	5.9	6.5	6.5	6.5	6.5	6.5	7.1
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)