

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: P526510

Luminaire Tested: **GALN-SA1C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526510
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-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 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: 5048 lumens
Efficiency: N/A
Efficacy: 88.6 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

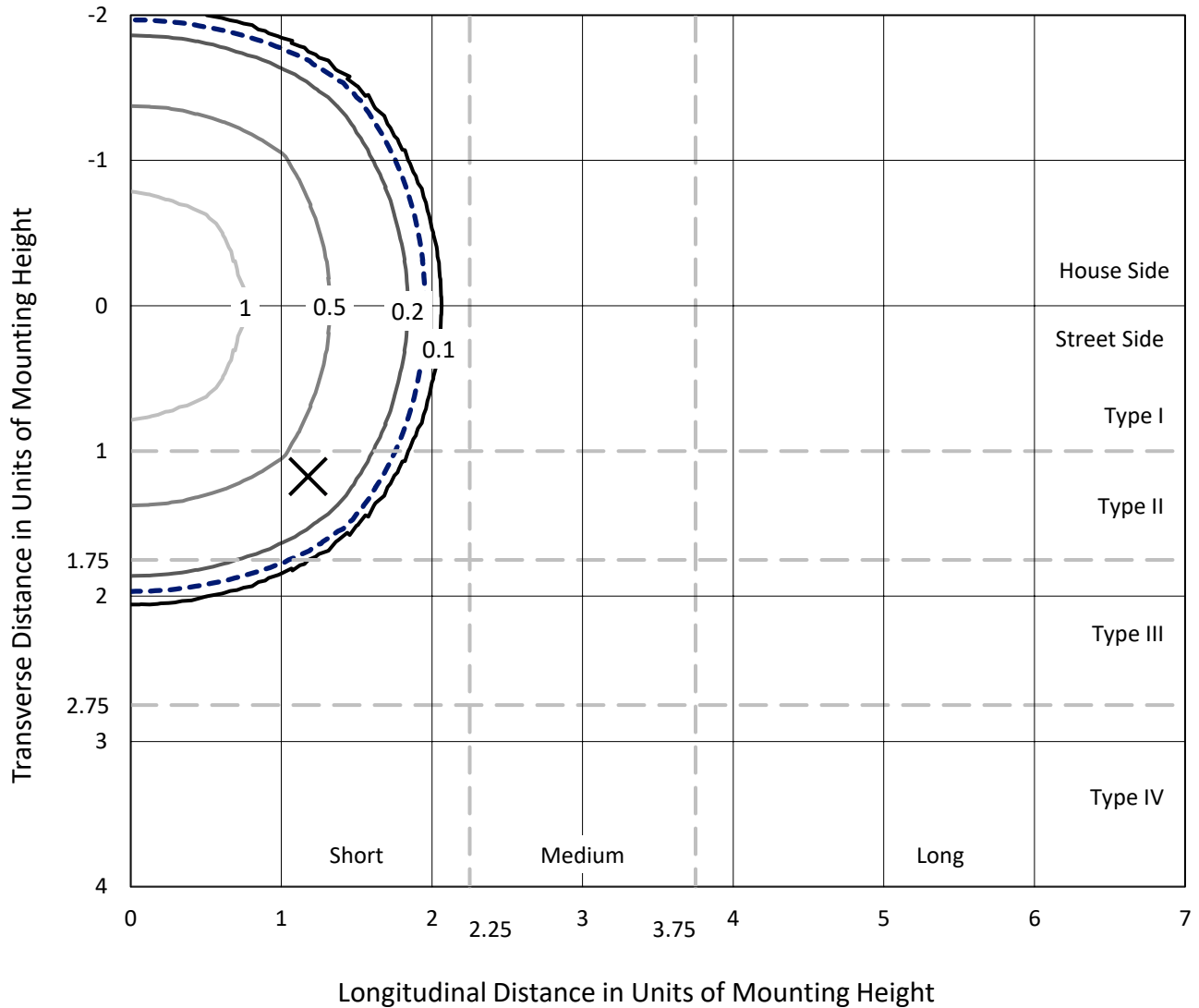
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

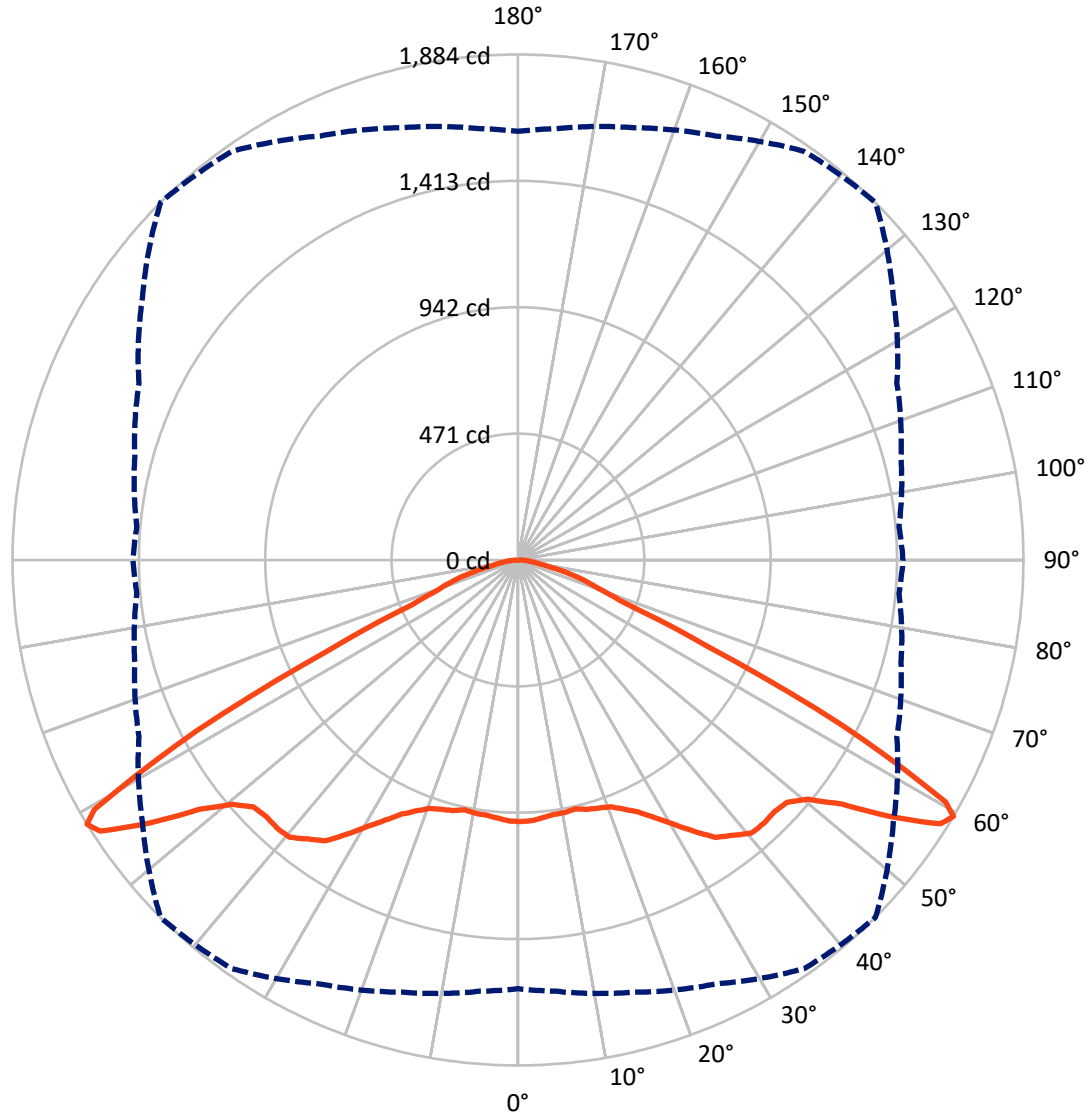
✕ Max cd
 - - - 1/2 Max cd



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	2524.0	0.0	2524.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2524.0	0.0	2524.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5048.0	0.0	5048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	1.8
10°-20°	273.3	5.4
20°-30°	477.3	9.5
30°-40°	762.3	15.1
40°-50°	1038.4	20.6
50°-60°	1404.2	27.8
60°-70°	770.0	15.3
70°-80°	197.0	3.9
80°-90°	33.6	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°	5048.0	100.0
0°-180°	5048.0	100.0

Coefficient of Utilization



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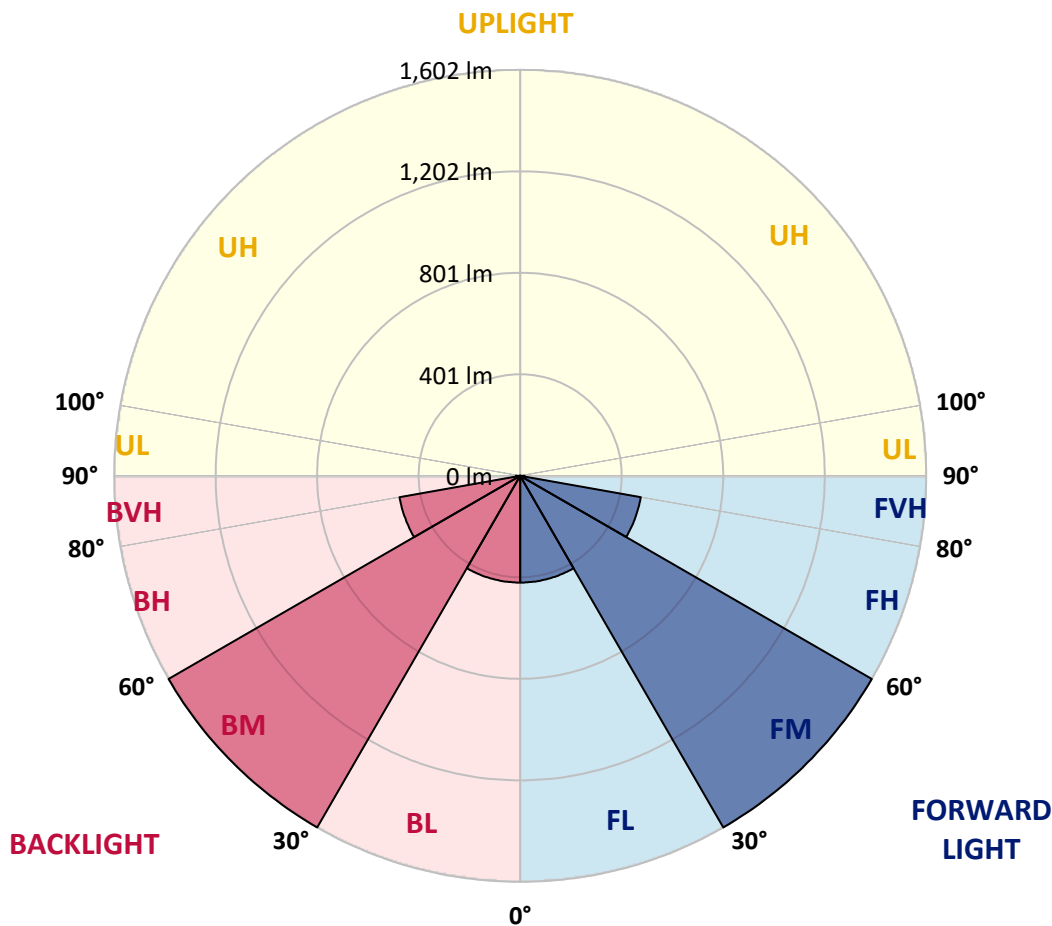
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.3	8.3			
FM (30°-60°)	1602.4	31.7			
FH (60°-80°)	483.5	9.6			G0/660
FVH (80°-90°)	16.8	0.3			G1/100
BL (0°-30°)	421.3	8.3	B1/500		
BM (30°-60°)	1602.4	31.7	B2/2500		
BH (60°-80°)	483.5	9.6	B1/500		G0/660
BVH (80°-90°)	16.8	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°	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0
2.5°	969.2	976.3	971.2	975.7	975.0	973.1	969.9	967.9	965.3	969.2	962.7
5°	965.3	971.2	977.0	969.2	969.2	965.3	963.4	959.5	959.5	958.9	958.2
7.5°	971.8	966.0	963.4	964.7	966.0	957.6	963.4	955.6	949.2	953.7	958.9
10°	966.0	968.6	958.9	963.4	956.3	957.6	953.7	958.9	951.7	951.7	951.7
12.5°	971.8	964.7	967.9	964.7	962.7	951.7	956.9	951.1	950.4	956.9	951.1
15°	983.4	971.8	969.2	962.7	964.7	964.7	959.5	960.2	953.0	956.9	958.2
17.5°	979.6	973.1	971.2	963.4	969.9	971.8	962.1	955.6	960.2	959.5	958.9
20°	982.8	985.4	983.4	984.7	987.3	982.1	973.1	964.0	958.2	966.6	966.0
22.5°	1003.5	1000.9	999.6	998.3	1002.9	1008.0	995.7	981.5	981.5	987.3	989.9
25°	1020.3	1019.7	1019.0	1024.9	1040.4	1040.4	1024.9	1006.7	1002.2	1006.1	1002.9
27.5°	1044.9	1052.0	1049.4	1059.8	1082.4	1087.6	1066.9	1045.6	1033.3	1028.7	1034.6
30°	1101.2	1092.8	1094.7	1105.7	1125.8	1142.6	1110.9	1088.3	1071.4	1070.8	1073.4
32.5°	1138.7	1145.2	1151.0	1161.4	1193.1	1206.0	1167.8	1131.0	1120.6	1114.8	1116.7
35°	1213.8	1208.0	1206.7	1217.0	1248.7	1270.1	1222.2	1189.8	1176.2	1189.2	1189.2
37.5°	1284.9	1268.8	1256.5	1270.1	1299.2	1301.8	1261.0	1243.5	1236.4	1251.3	1250.7
40°	1318.6	1317.3	1288.8	1296.6	1335.4	1339.3	1301.1	1280.4	1279.1	1298.5	1317.9
42.5°	1353.5	1341.2	1312.8	1317.9	1341.9	1343.2	1306.9	1301.1	1315.4	1334.1	1335.4
45°	1359.4	1349.0	1330.9	1317.9	1335.4	1339.3	1317.9	1321.8	1323.1	1345.8	1345.8
47.5°	1371.0	1369.7	1359.4	1349.6	1352.9	1349.6	1336.1	1341.9	1361.3	1372.3	1367.1
50°	1403.3	1389.8	1400.1	1391.7	1392.3	1401.4	1389.1	1394.9	1391.1	1381.3	1374.9
52.5°	1474.5	1468.0	1477.1	1482.9	1489.4	1510.1	1495.9	1464.8	1435.7	1409.8	1409.2
55°	1578.7	1583.2	1600.7	1630.4	1655.7	1688.7	1620.1	1545.7	1499.1	1458.3	1460.9
57.5°	1677.0	1673.8	1697.7	1765.7	1839.4	1856.2	1721.7	1615.6	1539.9	1514.0	1503.0
59°	1598.1	1613.6	1668.0	1743.7	1859.5	1884.1	1708.1	1558.6	1478.4	1426.0	1435.1
60°	1473.9	1479.7	1528.2	1633.7	1790.3	1832.3	1616.9	1470.6	1363.9	1333.5	1347.1
62.5°	1041.7	1037.1	1072.1	1158.1	1298.5	1355.5	1202.1	1099.3	1032.0	998.3	1006.1
65°	553.8	574.5	588.8	642.5	716.9	777.0	713.6	669.0	631.5	603.7	603.0
67.5°	374.0	371.4	374.6	386.9	412.1	429.0	427.7	405.0	401.8	396.6	402.4
70°	315.1	313.8	308.0	308.0	313.1	317.0	321.6	324.1	329.3	335.8	335.1
72.5°	255.6	252.3	248.4	246.5	253.0	254.9	260.7	263.3	267.9	267.2	273.0
75°	168.9	168.9	173.4	178.6	180.5	184.4	185.0	192.8	192.8	194.1	188.9
77.5°	94.5	91.9	95.1	100.3	104.8	111.9	119.0	124.9	128.1	126.8	126.8
80°	55.0	55.0	58.2	64.1	69.9	76.3	81.5	86.1	89.3	88.0	85.4
82.5°	34.3	34.3	37.5	43.3	47.9	51.8	58.9	64.7	68.6	67.3	64.1
85°	17.5	17.5	21.4	25.2	31.1	33.6	33.0	30.4	29.8	26.5	26.5
87.5°	4.5	4.5	6.5	7.1	5.8	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)