

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: P526350

Luminaire Tested: **GALN-SA1B-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526350
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-SA1B-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 5082 lumens
Efficiency: N/A
Efficacy: 115.5 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

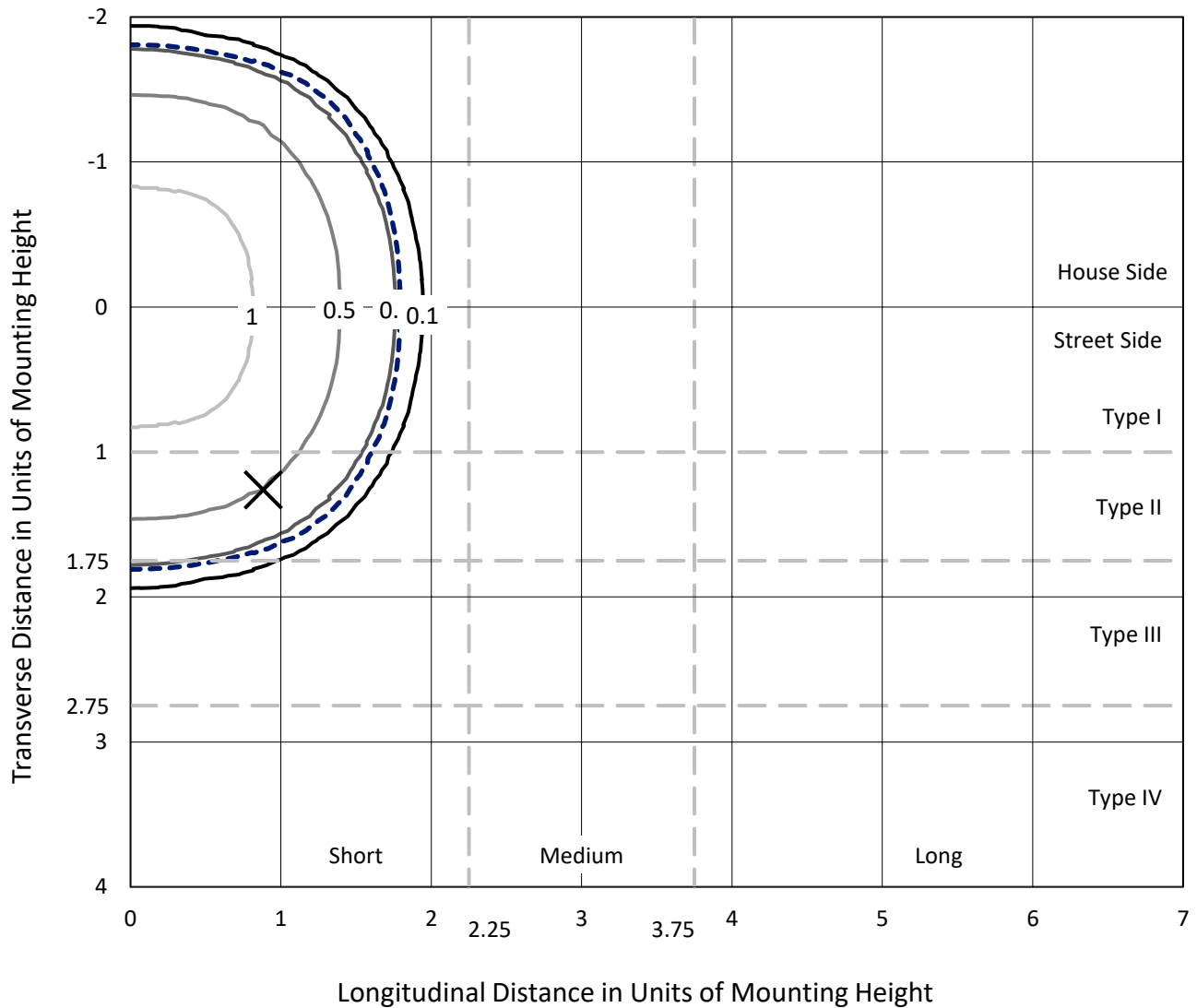
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

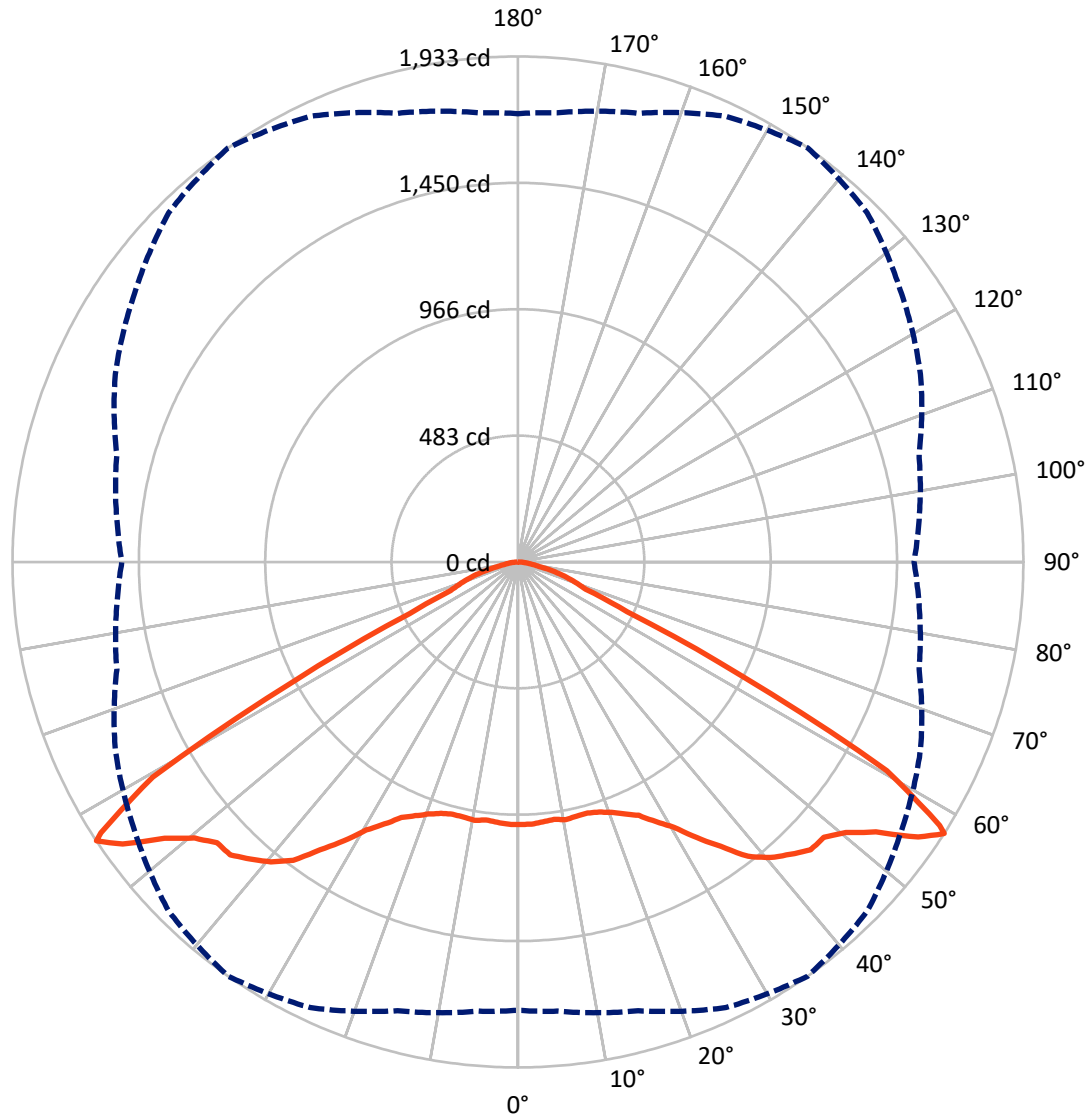
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	2541.0	0.0	2541.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2541.0	0.0	2541.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5082.0	0.0	5082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.9
10°-20°	281.8	5.5
20°-30°	492.2	9.7
30°-40°	806.4	15.9
40°-50°	1182.4	23.3
50°-60°	1489.4	29.3
60°-70°	560.1	11.0
70°-80°	148.9	2.9
80°-90°	25.5	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°	5082.0	100.0
0°-180°	5082.0	100.0

Coefficient of Utilization

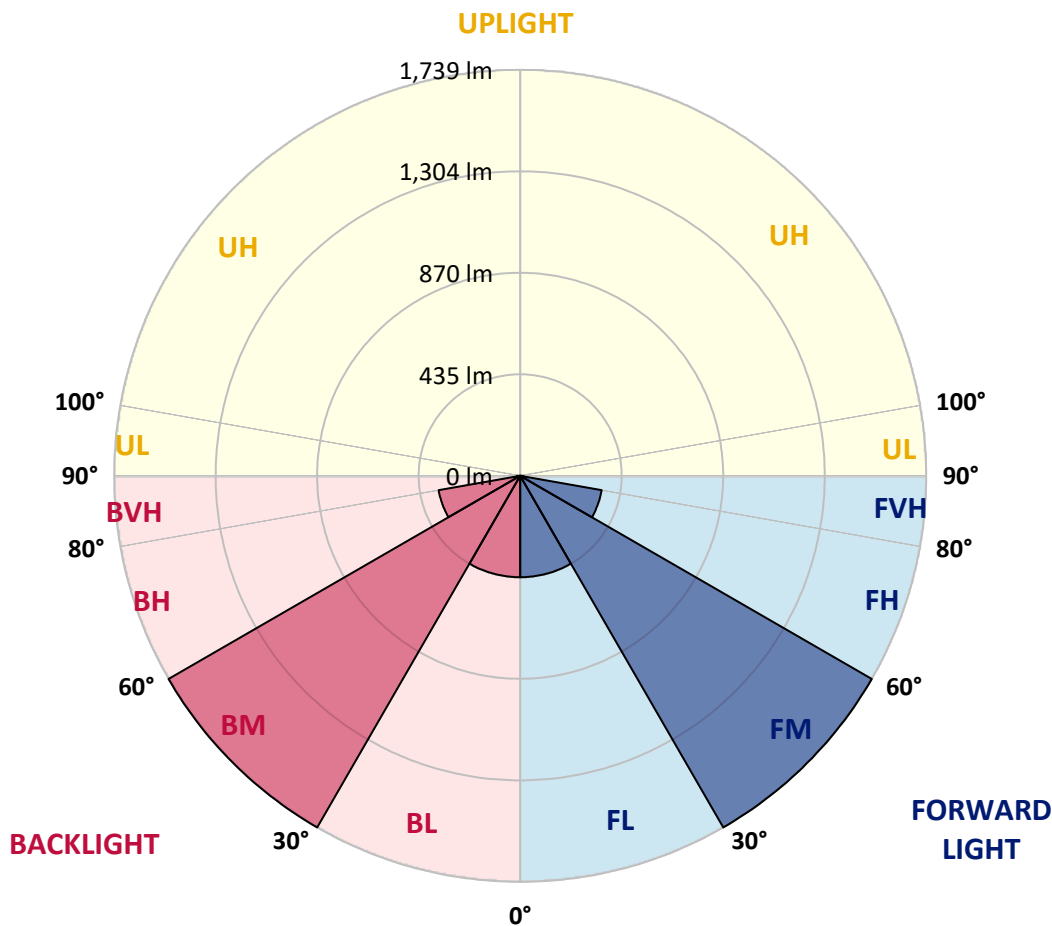


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.6	8.6			
FM (30°-60°)	1739.1	34.2			
FH (60°-80°)	354.5	7.0			G0/660
FVH (80°-90°)	12.8	0.3			G1/100
BL (0°-30°)	434.6	8.6	B1/500		
BM (30°-60°)	1739.1	34.2	B2/2500		
BH (60°-80°)	354.5	7.0	B1/500		G0/660
BVH (80°-90°)	12.8	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°	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7
2.5°	998.6	1008.7	1004.3	1001.8	1003.7	1000.5	995.5	1001.2	999.9	994.9	993.0
5°	996.1	1003.7	998.6	1003.7	998.6	1007.4	1004.9	995.5	1006.8	996.1	999.9
7.5°	994.3	996.8	998.0	995.5	993.6	1004.3	998.6	994.3	988.0	986.1	989.3
10°	989.9	996.1	986.8	999.3	1001.8	994.3	994.3	986.1	981.1	978.0	988.6
12.5°	1001.2	990.5	989.3	995.5	997.4	1000.5	991.8	987.4	978.0	979.2	977.4
15°	988.0	992.4	993.0	994.3	996.1	1003.7	995.5	986.1	982.4	969.2	970.5
17.5°	993.0	988.6	993.0	1007.4	1004.9	1010.5	1001.8	987.4	978.6	971.1	981.1
20°	1001.8	999.9	1001.8	1019.3	1022.4	1027.4	1019.9	1006.8	989.9	981.1	986.1
22.5°	1011.2	1009.9	1011.2	1028.1	1046.2	1052.5	1045.0	1014.3	1005.5	989.3	983.6
25°	1028.1	1029.3	1042.5	1061.3	1073.2	1085.1	1071.3	1049.4	1021.2	1011.2	999.3
27.5°	1065.6	1068.8	1076.3	1103.8	1124.5	1135.1	1115.7	1085.7	1068.1	1047.5	1044.4
30°	1112.0	1112.0	1125.1	1148.9	1177.1	1193.4	1169.6	1133.9	1112.6	1101.3	1094.4
32.5°	1173.3	1166.4	1171.5	1213.4	1257.2	1271.0	1239.1	1195.2	1161.4	1146.4	1141.4
35°	1225.9	1230.3	1241.6	1286.7	1335.5	1367.4	1317.3	1260.4	1225.9	1212.2	1209.6
37.5°	1294.2	1301.7	1307.3	1369.3	1428.2	1440.1	1391.8	1346.1	1304.2	1292.9	1286.7
40°	1390.6	1385.6	1387.5	1433.2	1486.4	1493.9	1446.3	1413.8	1379.3	1372.4	1372.4
42.5°	1470.1	1464.5	1470.7	1487.6	1528.3	1522.7	1496.4	1472.6	1458.2	1450.7	1458.2
45°	1518.3	1517.1	1528.3	1540.9	1569.7	1550.9	1530.2	1534.0	1520.2	1507.7	1507.1
47.5°	1570.9	1562.8	1576.6	1595.3	1573.4	1564.7	1563.4	1571.5	1567.2	1545.2	1538.4
50°	1596.6	1593.5	1615.4	1637.3	1625.4	1605.4	1609.7	1622.9	1566.5	1537.1	1520.2
52.5°	1665.5	1666.1	1708.0	1719.9	1714.9	1685.5	1694.9	1659.2	1592.8	1551.5	1553.4
55°	1773.8	1769.4	1816.4	1851.4	1857.0	1819.5	1774.4	1724.3	1641.0	1599.1	1586.6
57°	1714.3	1724.3	1776.3	1880.2	1932.8	1888.4	1790.1	1698.6	1587.8	1537.1	1514.6
57.5°	1634.8	1651.1	1741.2	1845.8	1900.9	1897.1	1770.6	1651.1	1552.1	1473.2	1475.1
60°	1197.8	1200.9	1282.3	1448.2	1620.4	1624.1	1470.1	1311.7	1201.5	1115.7	1127.6
62.5°	631.7	646.1	678.7	812.1	961.1	997.4	904.1	822.7	727.5	662.4	668.7
65°	334.3	332.5	348.1	385.7	458.9	477.7	465.2	400.7	367.5	356.9	357.5
67.5°	271.7	274.9	273.0	274.9	279.9	288.0	286.1	288.6	290.5	293.6	293.0
70°	230.4	230.4	231.7	232.3	232.3	236.0	240.4	248.6	249.2	252.3	253.6
72.5°	181.6	180.3	182.2	186.6	187.2	190.3	196.6	201.6	203.5	203.5	199.7
75°	123.3	124.6	127.1	130.9	134.6	140.2	145.3	148.4	149.6	147.8	145.9
77.5°	69.5	70.8	72.6	78.3	82.6	87.7	93.3	96.4	99.6	100.2	96.4
80°	41.3	41.3	44.5	48.8	53.8	58.9	63.9	67.6	68.9	68.9	67.0
82.5°	25.0	25.7	28.2	32.6	36.9	40.1	44.5	47.6	50.1	49.5	48.2
85°	13.1	13.1	15.7	19.4	22.5	25.7	25.7	23.8	22.5	19.4	18.2
87.5°	4.4	3.8	5.0	5.0	4.4	5.0	5.0	5.6	5.6	5.6	5.6
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)