

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: P526324

Luminaire Tested: **GALN-SA1B-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526324
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-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 4734 lumens
Efficiency: N/A
Efficacy: 107.6 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

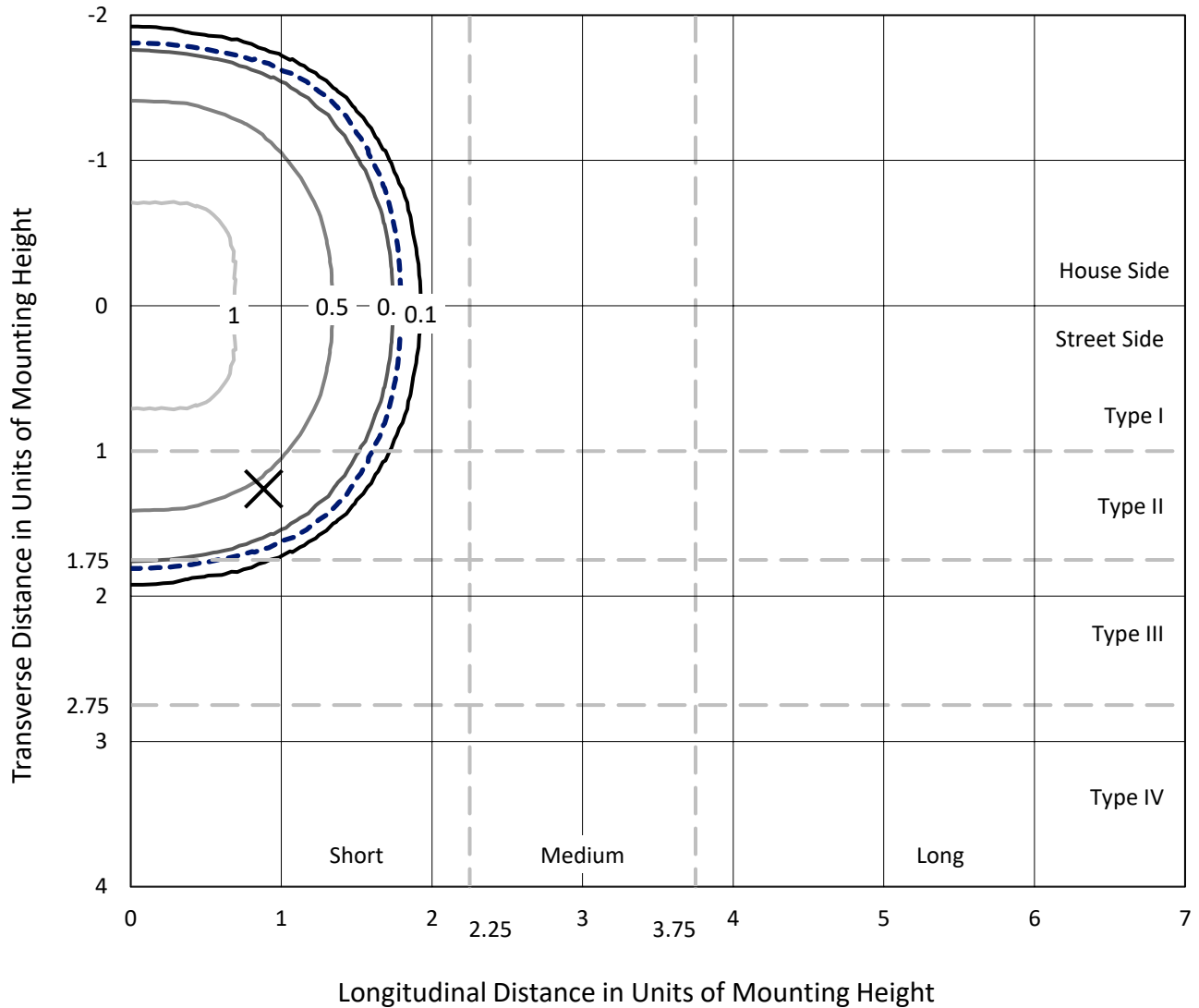
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

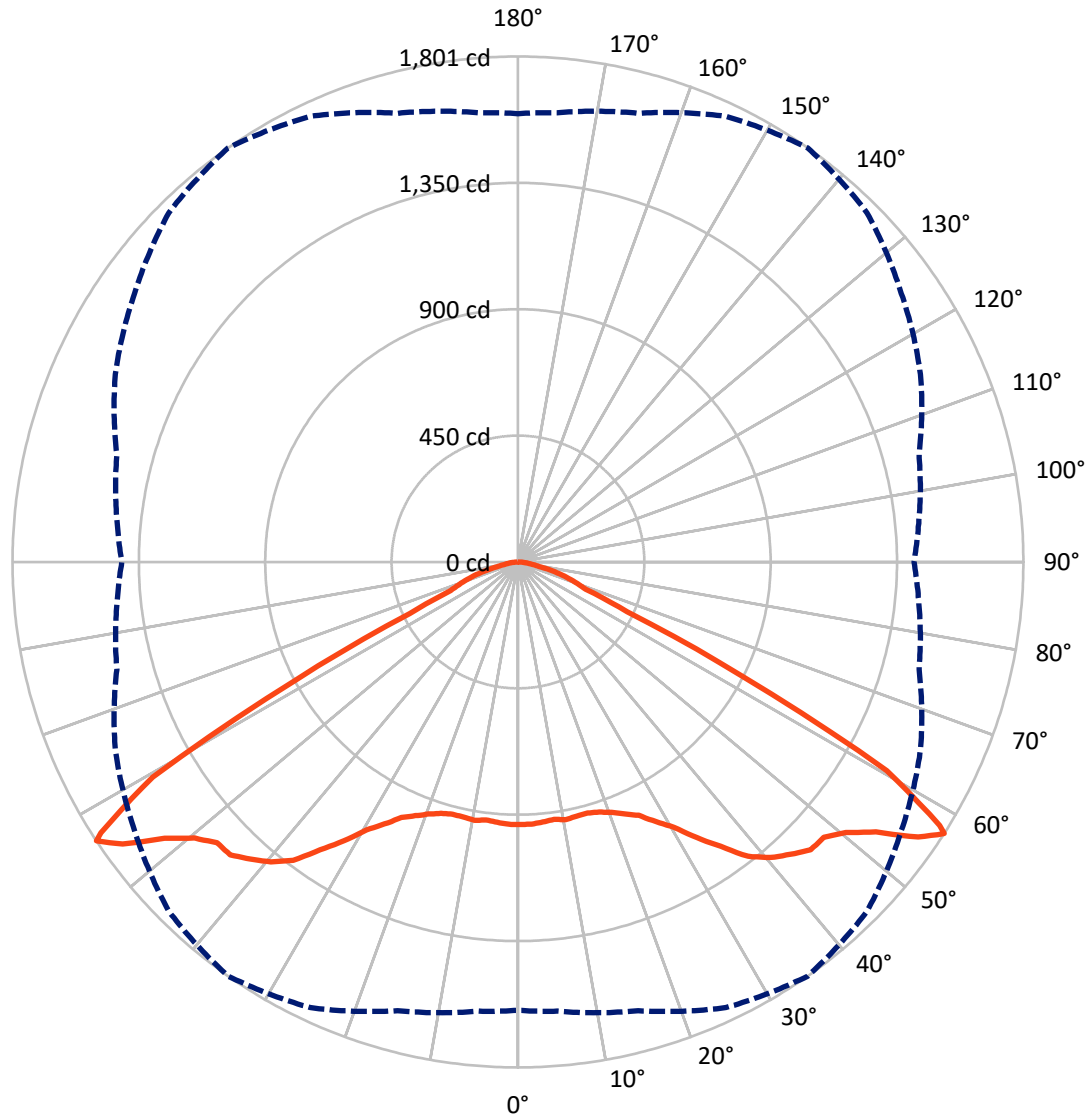
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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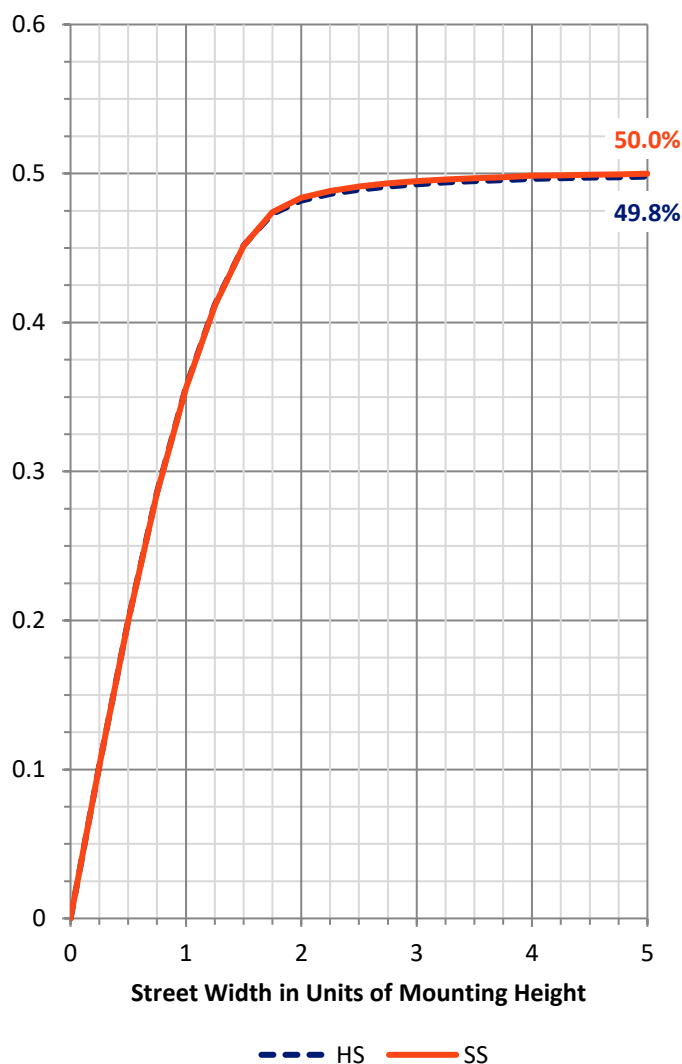
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2367.0	0.0	2367.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2367.0	0.0	2367.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4734.0	0.0	4734.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	1.9
10°-20°	262.5	5.5
20°-30°	458.5	9.7
30°-40°	751.2	15.9
40°-50°	1101.5	23.3
50°-60°	1387.4	29.3
60°-70°	521.8	11.0
70°-80°	138.7	2.9
80°-90°	23.8	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°	4734.0	100.0
0°-180°	4734.0	100.0

Coefficient of Utilization



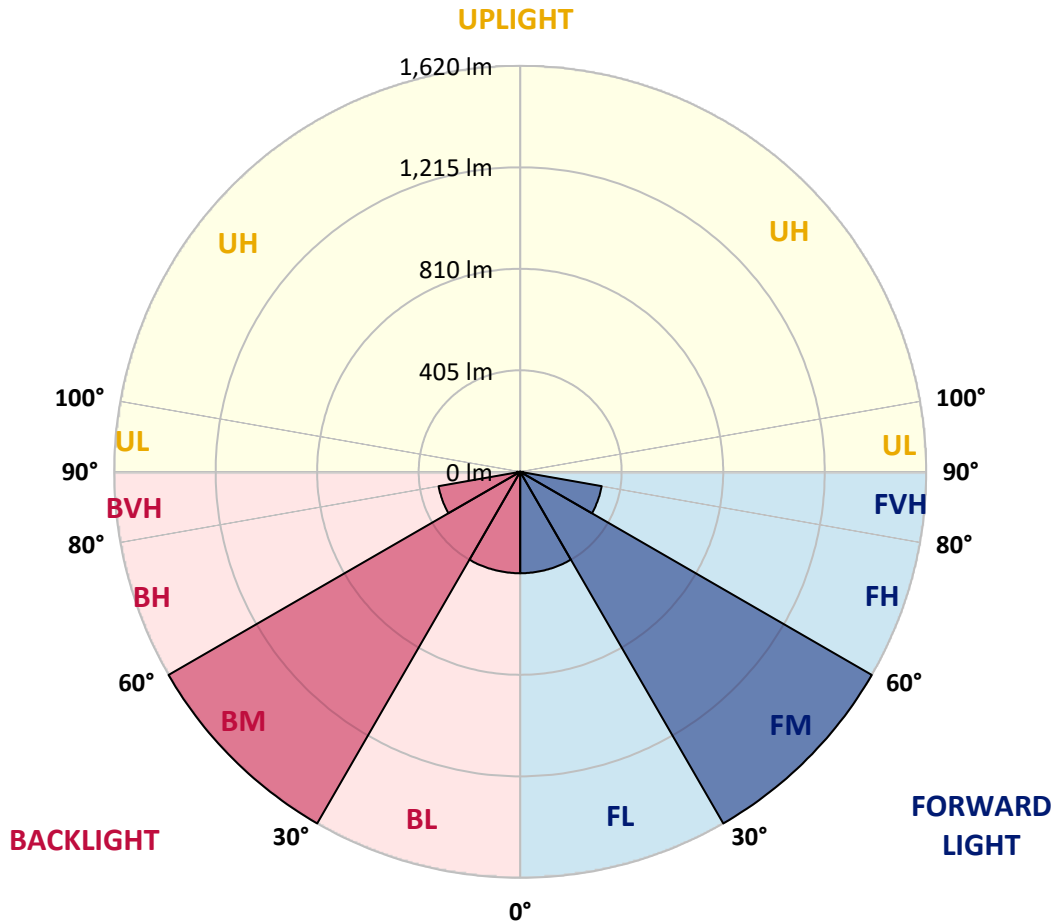
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.8	8.6			
FM (30°-60°)	1620.0	34.2			
FH (60°-80°)	330.3	7.0			G0/660
FVH (80°-90°)	11.9	0.3			G1/100
BL (0°-30°)	404.8	8.6	B1/500		
BM (30°-60°)	1620.0	34.2	B2/2500		
BH (60°-80°)	330.3	7.0	B1/500		G0/660
BVH (80°-90°)	11.9	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°	934.9	934.9	934.9	934.9	934.9	934.9	934.9	934.9	934.9	934.9	934.9
2.5°	930.3	939.6	935.5	933.2	934.9	932.0	927.3	932.6	931.4	926.8	925.0
5°	927.9	934.9	930.3	934.9	930.3	938.4	936.1	927.3	937.8	927.9	931.4
7.5°	926.2	928.5	929.7	927.3	925.6	935.5	930.3	926.2	920.3	918.6	921.5
10°	922.1	927.9	919.2	930.8	933.2	926.2	926.2	918.6	913.9	911.0	920.9
12.5°	932.6	922.7	921.5	927.3	929.1	932.0	923.8	919.8	911.0	912.2	910.4
15°	920.3	924.4	925.0	926.2	927.9	934.9	927.3	918.6	915.1	902.9	904.0
17.5°	925.0	920.9	925.0	938.4	936.1	941.3	933.2	919.8	911.6	904.6	913.9
20°	933.2	931.4	933.2	949.5	952.4	957.1	950.1	937.8	922.1	913.9	918.6
22.5°	941.9	940.8	941.9	957.7	974.6	980.4	973.4	944.8	936.7	921.5	916.3
25°	957.7	958.8	971.1	988.6	999.7	1010.8	997.9	977.5	951.3	941.9	930.8
27.5°	992.7	995.6	1002.6	1028.2	1047.5	1057.4	1039.3	1011.3	995.0	975.8	972.8
30°	1035.8	1035.8	1048.1	1070.2	1096.5	1111.7	1089.5	1056.2	1036.4	1025.9	1019.5
32.5°	1093.0	1086.6	1091.2	1130.3	1171.1	1184.0	1154.2	1113.4	1081.9	1067.9	1063.2
35°	1142.0	1146.1	1156.6	1198.6	1244.0	1273.8	1227.1	1174.1	1142.0	1129.1	1126.8
37.5°	1205.6	1212.6	1217.8	1275.5	1330.4	1341.4	1296.5	1254.0	1214.9	1204.4	1198.6
40°	1295.4	1290.7	1292.5	1335.0	1384.6	1391.6	1347.3	1317.0	1284.9	1278.5	1278.5
42.5°	1369.4	1364.2	1370.0	1385.8	1423.7	1418.4	1393.9	1371.8	1358.4	1351.4	1358.4
45°	1414.4	1413.2	1423.7	1435.3	1462.2	1444.7	1425.4	1428.9	1416.1	1404.4	1403.9
47.5°	1463.3	1455.8	1468.6	1486.1	1465.7	1457.5	1456.3	1463.9	1459.8	1439.4	1433.0
50°	1487.3	1484.3	1504.8	1525.2	1514.1	1495.4	1499.5	1511.8	1459.3	1431.8	1416.1
52.5°	1551.4	1552.0	1591.1	1602.2	1597.5	1570.1	1578.8	1545.6	1483.8	1445.3	1447.0
55°	1652.3	1648.2	1692.0	1724.6	1729.9	1694.9	1652.9	1606.2	1528.7	1489.6	1477.9
57°	1596.9	1606.2	1654.6	1751.5	1800.5	1759.0	1667.5	1582.3	1479.1	1431.8	1410.9
57.5°	1522.8	1538.0	1622.0	1719.4	1770.7	1767.2	1649.4	1538.0	1445.8	1372.4	1374.1
60°	1115.7	1118.7	1194.5	1349.0	1509.4	1512.9	1369.4	1221.9	1119.2	1039.3	1050.4
62.5°	588.5	601.9	632.2	756.5	895.3	929.1	842.2	766.4	677.7	617.1	622.9
65°	311.4	309.7	324.3	359.3	427.5	445.0	433.3	373.3	342.4	332.4	333.0
67.5°	253.1	256.0	254.3	256.0	260.7	268.3	266.5	268.9	270.6	273.5	273.0
70°	214.6	214.6	215.8	216.4	216.4	219.9	224.0	231.5	232.1	235.0	236.2
72.5°	169.1	168.0	169.7	173.8	174.4	177.3	183.1	187.8	189.6	189.6	186.1
75°	114.9	116.1	118.4	121.9	125.4	130.6	135.3	138.2	139.4	137.6	135.9
77.5°	64.7	65.9	67.7	72.9	77.0	81.7	86.9	89.8	92.7	93.3	89.8
80°	38.5	38.5	41.4	45.5	50.2	54.8	59.5	63.0	64.2	64.2	62.4
82.5°	23.3	23.9	26.2	30.3	34.4	37.3	41.4	44.3	46.7	46.1	44.9
85°	12.2	12.2	14.6	18.1	21.0	23.9	23.9	22.2	21.0	18.1	16.9
87.5°	4.1	3.5	4.7	4.7	4.1	4.7	4.7	5.2	5.2	5.2	5.2
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)