

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: P526406

Luminaire Tested: **GALN-SA1B-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526406
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-SA1B-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 800mA 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: 4885 lumens
Efficiency: N/A
Efficacy: 111.0 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

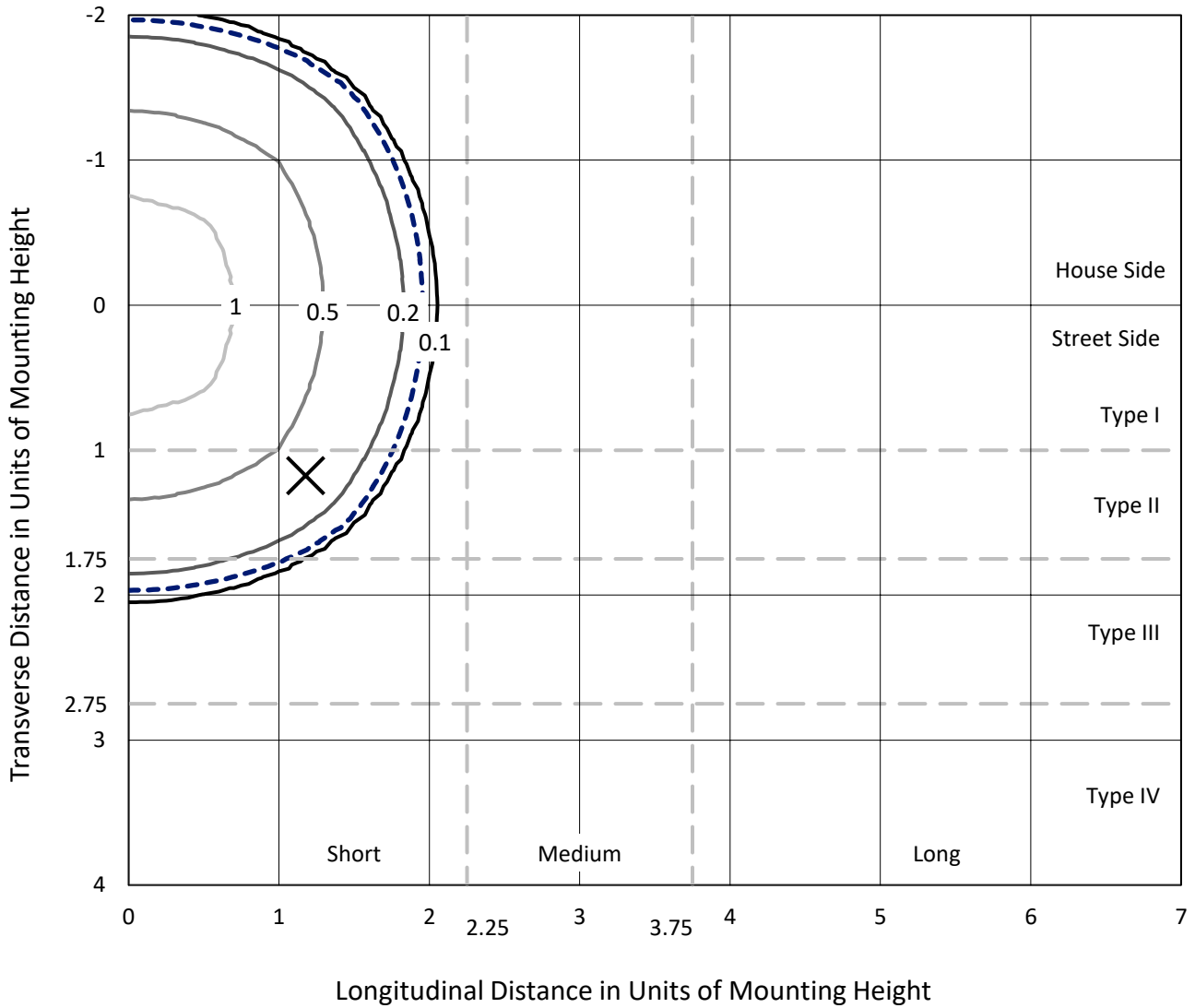
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

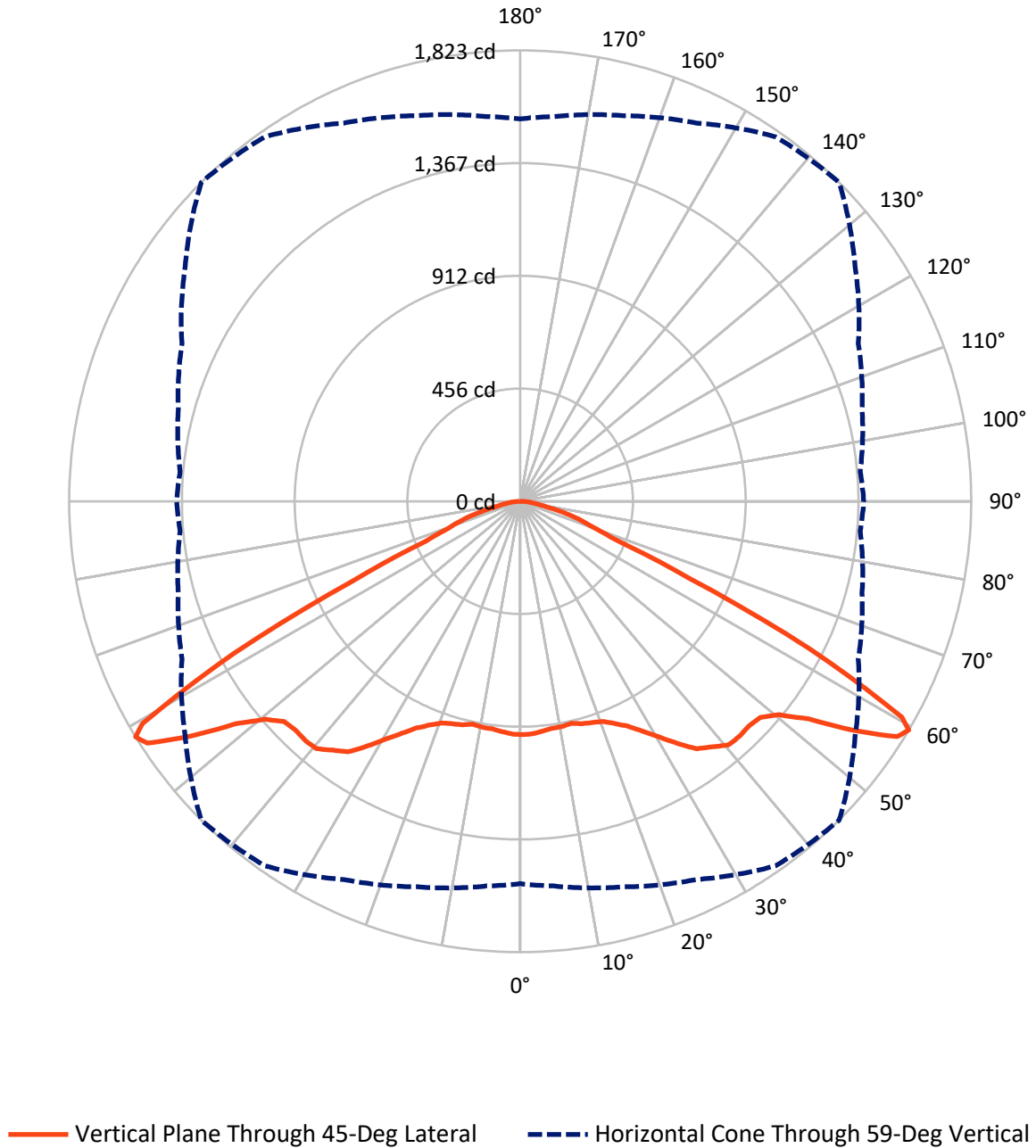
✕ Max cd
 - - - 1/2 Max cd



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



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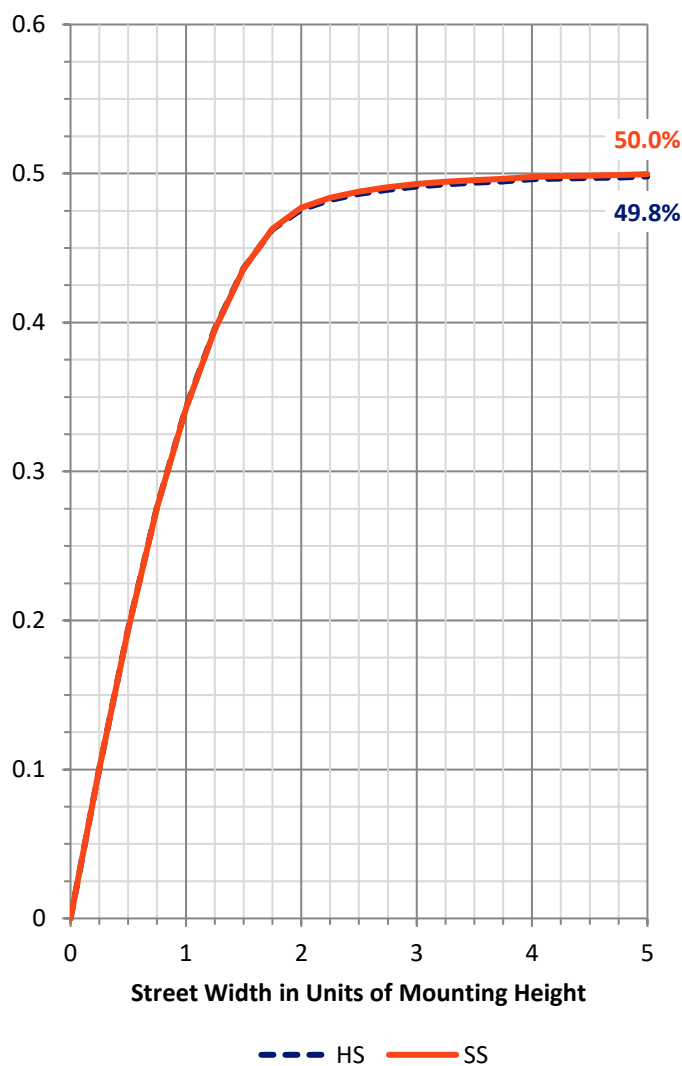
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2442.5	0.0	2442.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2442.5	0.0	2442.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4885.0	0.0	4885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	1.8
10°-20°	264.5	5.4
20°-30°	461.9	9.5
30°-40°	737.7	15.1
40°-50°	1004.9	20.6
50°-60°	1358.8	27.8
60°-70°	745.2	15.3
70°-80°	190.6	3.9
80°-90°	32.5	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°	4885.0	100.0
0°-180°	4885.0	100.0

Coefficient of Utilization



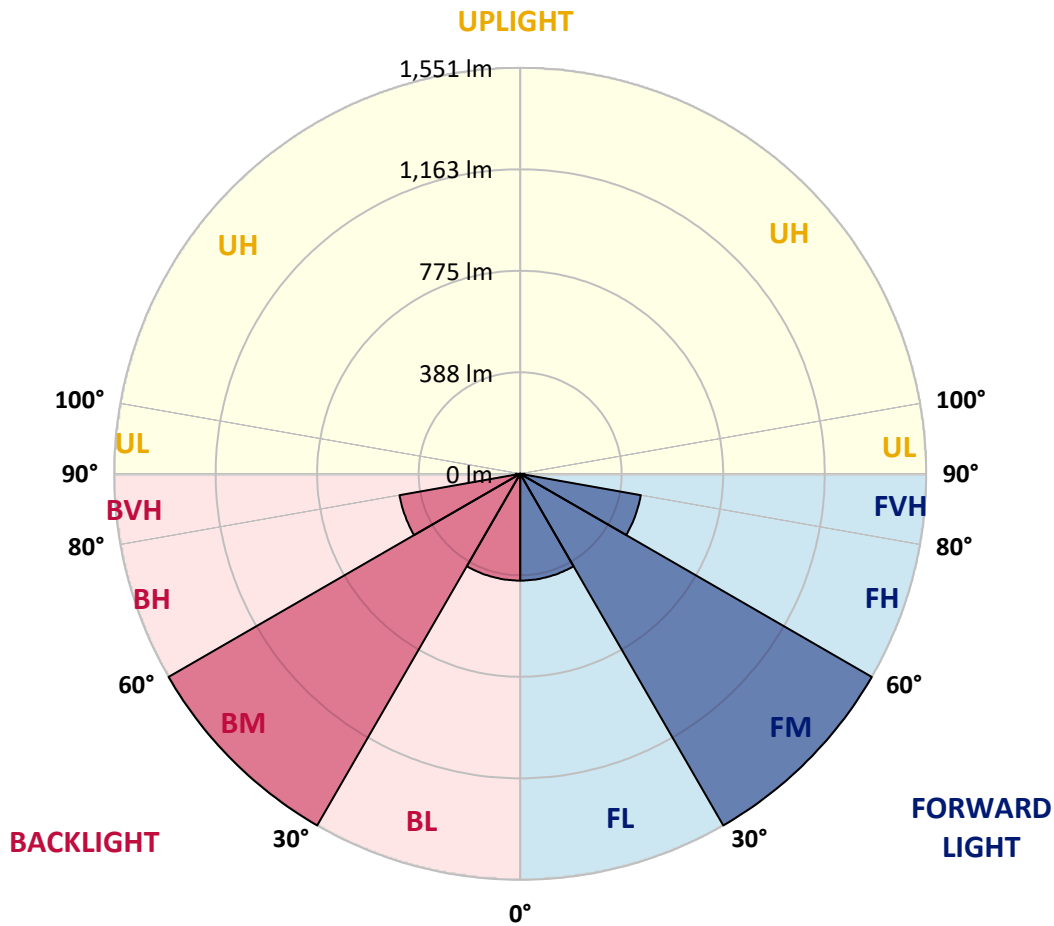
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.7	8.3			
FM (30°-60°)	1550.7	31.7			
FH (60°-80°)	467.9	9.6			G0/660
FVH (80°-90°)	16.3	0.3			G1/100
BL (0°-30°)	407.7	8.3	B1/500		
BM (30°-60°)	1550.7	31.7	B2/2500		
BH (60°-80°)	467.9	9.6	B1/500		G0/660
BVH (80°-90°)	16.3	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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	937.9	944.8	939.8	944.2	943.5	941.7	938.5	936.7	934.2	937.9	931.7
5°	934.2	939.8	945.4	937.9	937.9	934.2	932.3	928.5	928.5	927.9	927.3
7.5°	940.4	934.8	932.3	933.5	934.8	926.6	932.3	924.8	918.5	922.9	927.9
10°	934.8	937.3	927.9	932.3	925.4	926.6	922.9	927.9	921.0	921.0	921.0
12.5°	940.4	933.5	936.7	933.5	931.7	921.0	926.0	920.4	919.8	926.0	920.4
15°	951.7	940.4	937.9	931.7	933.5	933.5	928.5	929.1	922.3	926.0	927.3
17.5°	947.9	941.7	939.8	932.3	938.5	940.4	931.0	924.8	929.1	928.5	927.9
20°	951.1	953.6	951.7	952.9	955.4	950.4	941.7	932.9	927.3	935.4	934.8
22.5°	971.1	968.6	967.3	966.1	970.5	975.5	963.6	949.8	949.8	955.4	957.9
25°	987.4	986.8	986.1	991.8	1006.8	1006.8	991.8	974.2	969.8	973.6	970.5
27.5°	1011.2	1018.1	1015.6	1025.6	1047.5	1052.5	1032.5	1011.8	999.9	995.5	1001.2
30°	1065.6	1057.5	1059.4	1070.0	1089.4	1105.7	1075.0	1053.1	1036.8	1036.2	1038.7
32.5°	1102.0	1108.2	1113.9	1123.9	1154.5	1167.1	1130.1	1094.4	1084.4	1078.8	1080.7
35°	1174.6	1168.9	1167.7	1177.7	1208.4	1229.1	1182.7	1151.4	1138.3	1150.8	1150.8
37.5°	1243.5	1227.8	1215.9	1229.1	1257.2	1259.7	1220.3	1203.4	1196.5	1210.9	1210.3
40°	1276.0	1274.8	1247.2	1254.7	1292.3	1296.0	1259.1	1239.1	1237.8	1256.6	1275.4
42.5°	1309.8	1297.9	1270.4	1275.4	1298.6	1299.8	1264.7	1259.1	1272.9	1291.0	1292.3
45°	1315.5	1305.4	1287.9	1275.4	1292.3	1296.0	1275.4	1279.1	1280.4	1302.3	1302.3
47.5°	1326.7	1325.5	1315.5	1306.1	1309.2	1306.1	1292.9	1298.6	1317.3	1328.0	1323.0
50°	1358.0	1344.9	1354.9	1346.8	1347.4	1356.2	1344.3	1349.9	1346.1	1336.7	1330.5
52.5°	1426.9	1420.6	1429.4	1435.0	1441.3	1461.3	1447.6	1417.5	1389.3	1364.3	1363.7
55°	1527.7	1532.1	1549.0	1577.8	1602.2	1634.1	1567.8	1495.8	1450.7	1411.3	1413.8
57.5°	1622.9	1619.7	1642.9	1708.7	1780.0	1796.3	1666.1	1563.4	1490.1	1465.1	1454.5
59°	1546.5	1561.5	1614.1	1687.4	1799.4	1823.2	1652.9	1508.3	1430.7	1379.9	1388.7
60°	1426.3	1431.9	1478.9	1580.9	1732.4	1773.1	1564.6	1423.1	1319.8	1290.4	1303.6
62.5°	1008.0	1003.7	1037.5	1120.7	1256.6	1311.7	1163.3	1063.8	998.6	966.1	973.6
65°	536.0	556.0	569.8	621.7	693.7	752.0	690.6	647.4	611.1	584.2	583.5
67.5°	361.9	359.4	362.5	374.4	398.8	415.1	413.9	391.9	388.8	383.8	389.4
70°	304.9	303.7	298.0	298.0	303.0	306.8	311.2	313.7	318.7	325.0	324.3
72.5°	247.3	244.2	240.4	238.5	244.8	246.7	252.3	254.8	259.2	258.6	264.2
75°	163.4	163.4	167.8	172.8	174.7	178.4	179.1	186.6	186.6	187.8	182.8
77.5°	91.4	88.9	92.0	97.0	101.4	108.3	115.2	120.8	124.0	122.7	122.7
80°	53.2	53.2	56.3	62.0	67.6	73.9	78.9	83.3	86.4	85.2	82.6
82.5°	33.2	33.2	36.3	41.9	46.3	50.1	57.0	62.6	66.4	65.1	62.0
85°	16.9	16.9	20.7	24.4	30.1	32.6	31.9	29.4	28.8	25.7	25.7
87.5°	4.4	4.4	6.3	6.9	5.6	6.3	6.3	6.3	6.3	6.3	6.9
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)