

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: P526900

Luminaire Tested: **GALN-SA1D-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526900
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-SA1D-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 4881 lumens
Efficiency: N/A
Efficacy: 75.1 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

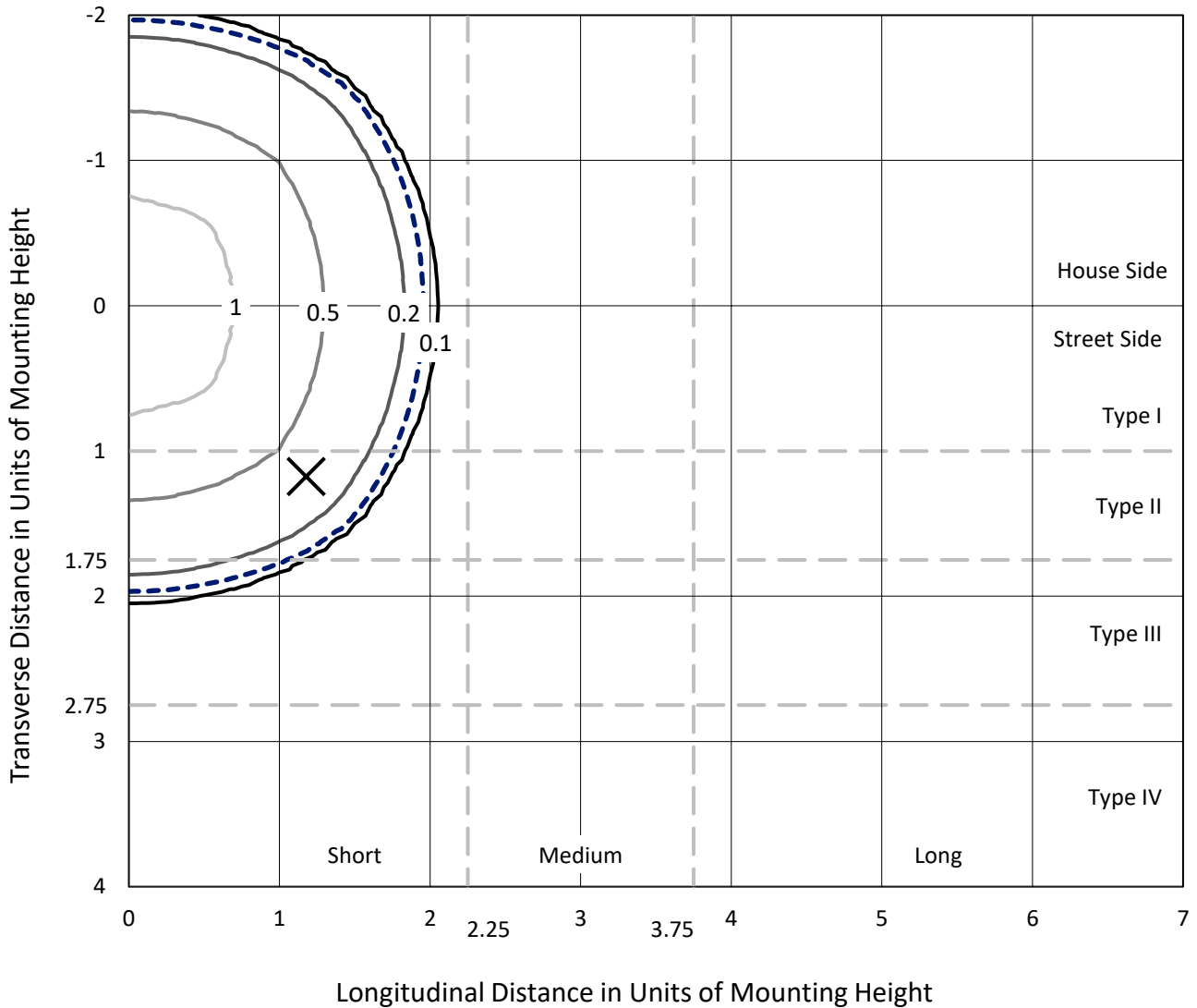
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

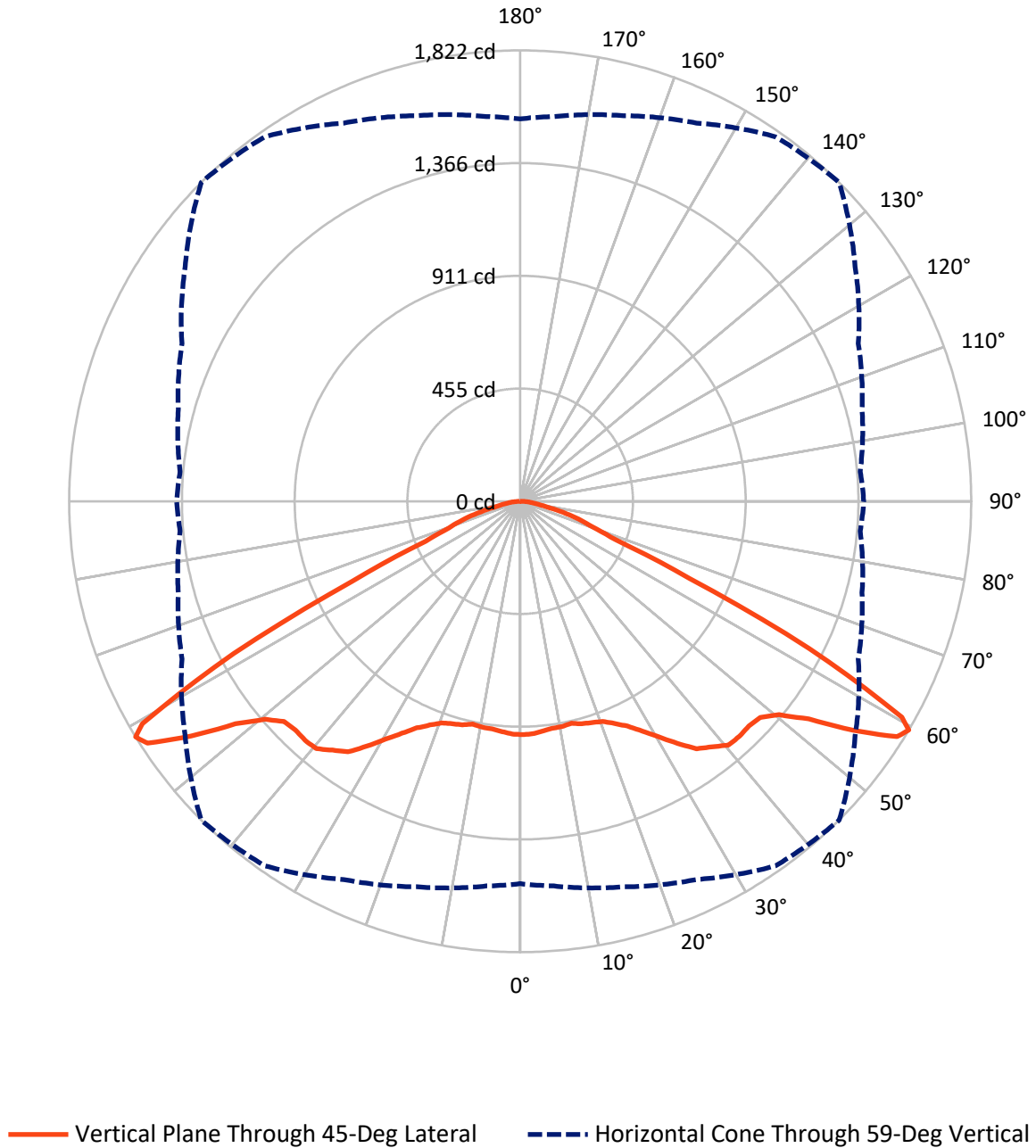
✕ Max cd
 - - - 1/2 Max cd



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	2440.5	0.0	2440.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2440.5	0.0	2440.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4881.0	0.0	4881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	1.8
10°-20°	264.3	5.4
20°-30°	461.5	9.5
30°-40°	737.1	15.1
40°-50°	1004.0	20.6
50°-60°	1357.7	27.8
60°-70°	744.6	15.3
70°-80°	190.5	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°	4881.0	100.0
0°-180°	4881.0	100.0

Coefficient of Utilization



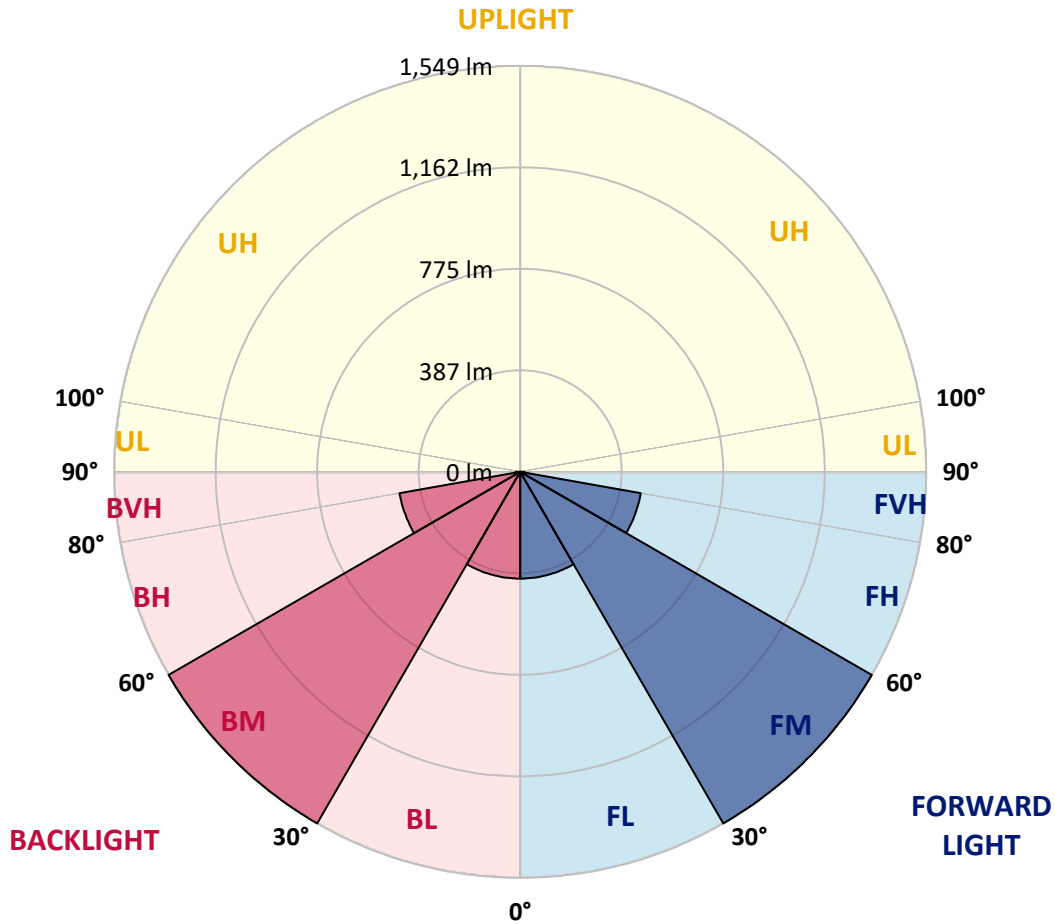
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.3	8.3			
FM (30°-60°)	1549.4	31.7			
FH (60°-80°)	467.5	9.6			G0/660
FVH (80°-90°)	16.2	0.3			G1/100
BL (0°-30°)	407.3	8.3	B1/500		
BM (30°-60°)	1549.4	31.7	B2/2500		
BH (60°-80°)	467.5	9.6	B1/500		G0/660
BVH (80°-90°)	16.2	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°	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8	942.8
2.5°	937.1	944.0	939.0	943.4	942.8	940.9	937.8	935.9	933.4	937.1	930.9
5°	933.4	939.0	944.7	937.1	937.1	933.4	931.5	927.8	927.8	927.1	926.5
7.5°	939.6	934.0	931.5	932.8	934.0	925.9	931.5	924.0	917.8	922.1	927.1
10°	934.0	936.5	927.1	931.5	924.6	925.9	922.1	927.1	920.3	920.3	920.3
12.5°	939.6	932.8	935.9	932.8	930.9	920.3	925.3	919.6	919.0	925.3	919.6
15°	950.9	939.6	937.1	930.9	932.8	932.8	927.8	928.4	921.5	925.3	926.5
17.5°	947.2	940.9	939.0	931.5	937.8	939.6	930.3	924.0	928.4	927.8	927.1
20°	950.3	952.8	950.9	952.2	954.7	949.7	940.9	932.1	926.5	934.6	934.0
22.5°	970.3	967.8	966.5	965.3	969.7	974.7	962.8	949.0	949.0	954.7	957.2
25°	986.6	985.9	985.3	990.9	1006.0	1006.0	990.9	973.4	969.1	972.8	969.7
27.5°	1010.3	1017.2	1014.7	1024.7	1046.6	1051.6	1031.6	1011.0	999.1	994.7	1000.3
30°	1064.8	1056.6	1058.5	1069.1	1088.5	1104.8	1074.2	1052.3	1036.0	1035.4	1037.9
32.5°	1101.1	1107.3	1112.9	1122.9	1153.6	1166.1	1129.2	1093.5	1083.5	1077.9	1079.8
35°	1173.6	1168.0	1166.7	1176.7	1207.4	1228.0	1181.8	1150.5	1137.3	1149.8	1149.8
37.5°	1242.4	1226.8	1214.9	1228.0	1256.2	1258.7	1219.3	1202.4	1195.5	1209.9	1209.3
40°	1275.0	1273.7	1246.2	1253.7	1291.2	1295.0	1258.1	1238.1	1236.8	1255.6	1274.3
42.5°	1308.8	1296.9	1269.3	1274.3	1297.5	1298.7	1263.7	1258.1	1271.8	1290.0	1291.2
45°	1314.4	1304.4	1286.9	1274.3	1291.2	1295.0	1274.3	1278.1	1279.3	1301.2	1301.2
47.5°	1325.6	1324.4	1314.4	1305.0	1308.1	1305.0	1291.9	1297.5	1316.3	1326.9	1321.9
50°	1356.9	1343.8	1353.8	1345.7	1346.3	1355.0	1343.2	1348.8	1345.0	1335.7	1329.4
52.5°	1425.7	1419.5	1428.2	1433.9	1440.1	1460.1	1446.4	1416.4	1388.2	1363.2	1362.6
55°	1526.5	1530.8	1547.7	1576.5	1600.9	1632.8	1566.5	1494.6	1449.5	1410.1	1412.6
57.5°	1621.5	1618.4	1641.6	1707.3	1778.6	1794.8	1664.7	1562.1	1488.9	1463.9	1453.3
59°	1545.2	1560.2	1612.8	1686.0	1798.0	1821.7	1651.6	1507.1	1429.5	1378.8	1387.6
60°	1425.1	1430.7	1477.7	1579.6	1731.0	1771.7	1563.4	1422.0	1318.8	1289.4	1302.5
62.5°	1007.2	1002.8	1036.6	1119.8	1255.6	1310.6	1162.4	1062.9	997.8	965.3	972.8
65°	535.5	555.5	569.3	621.2	693.2	751.3	690.0	646.9	610.6	583.7	583.1
67.5°	361.6	359.1	362.2	374.1	398.5	414.8	413.5	391.6	388.5	383.5	389.1
70°	304.7	303.4	297.8	297.8	302.8	306.5	310.9	313.4	318.4	324.7	324.1
72.5°	247.1	244.0	240.2	238.4	244.6	246.5	252.1	254.6	259.0	258.4	264.0
75°	163.3	163.3	167.7	172.7	174.5	178.3	178.9	186.4	186.4	187.7	182.7
77.5°	91.3	88.8	92.0	97.0	101.3	108.2	115.1	120.7	123.9	122.6	122.6
80°	53.2	53.2	56.3	61.9	67.6	73.8	78.8	83.2	86.3	85.1	82.6
82.5°	33.2	33.2	36.3	41.9	46.3	50.0	56.9	62.6	66.3	65.1	61.9
85°	16.9	16.9	20.6	24.4	30.0	32.5	31.9	29.4	28.8	25.6	25.6
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)