

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: P646710

Luminaire Tested: **GALN-SA1C-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646710
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-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 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: 4725.4 lumens
Efficiency: N/A
Efficacy: 82.9 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

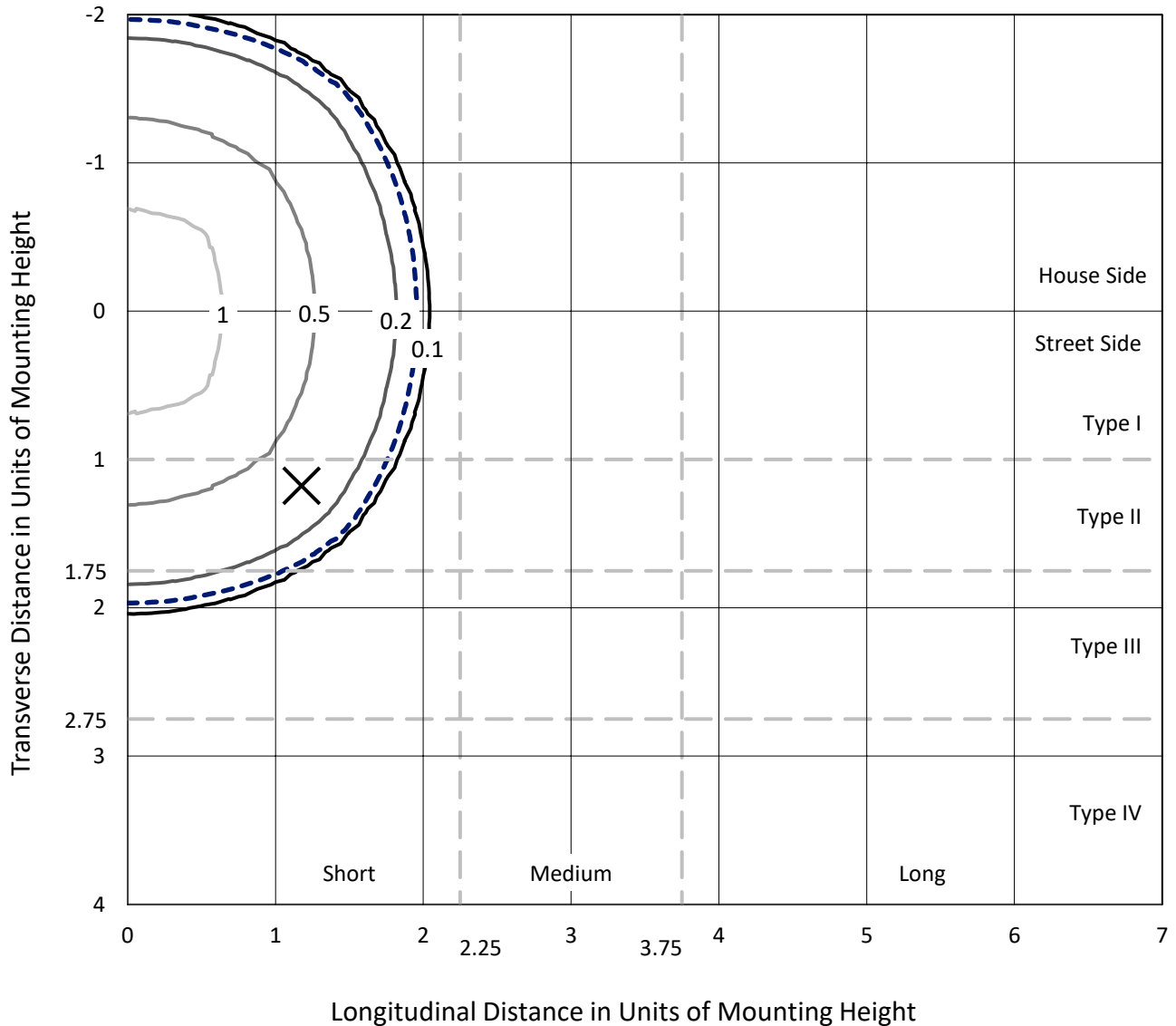
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

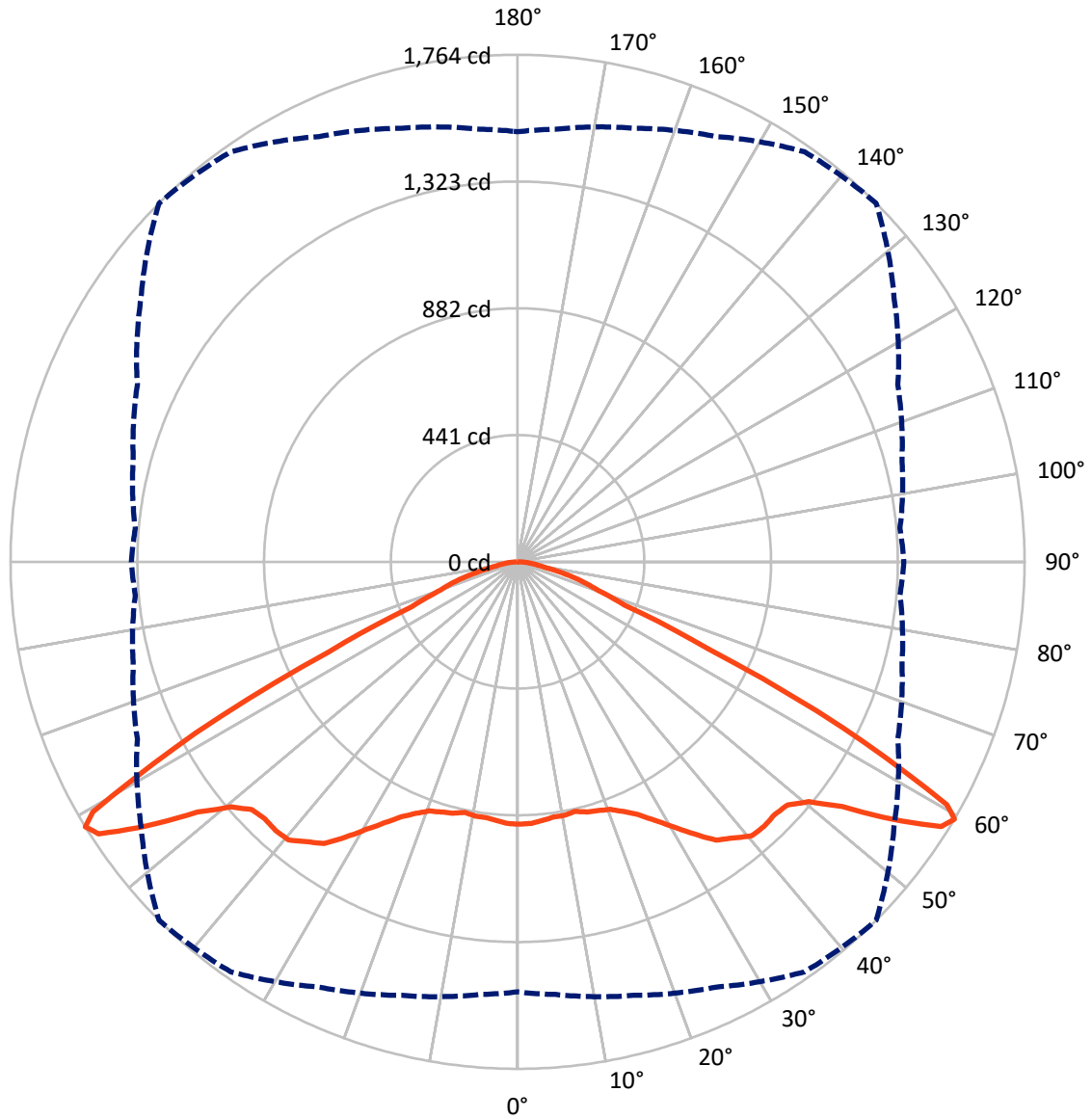
× Max cd
 - - - 1/2 Max cd



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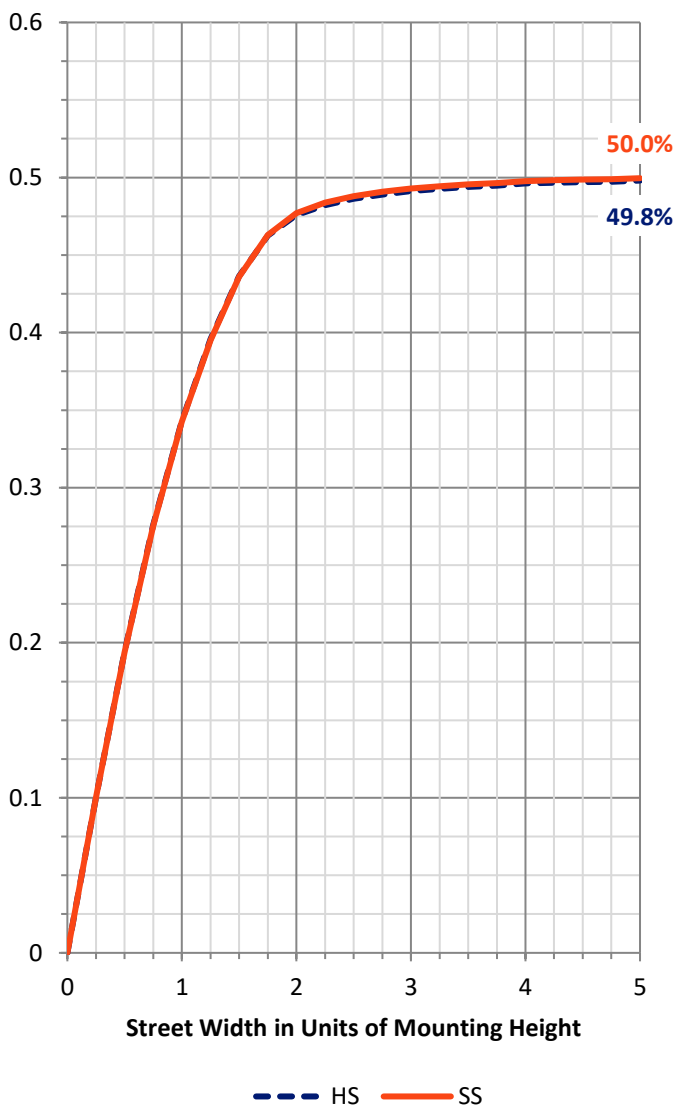
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.7	0.0	2362.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2362.7	0.0	2362.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4725.4	0.0	4725.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.8
10°-20°	255.9	5.4
20°-30°	446.8	9.5
30°-40°	713.6	15.1
40°-50°	972.0	20.6
50°-60°	1314.4	27.8
60°-70°	720.8	15.3
70°-80°	184.4	3.9
80°-90°	31.4	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°	4725.4	100.0
0°-180°	4725.4	100.0

Coefficient of Utilization

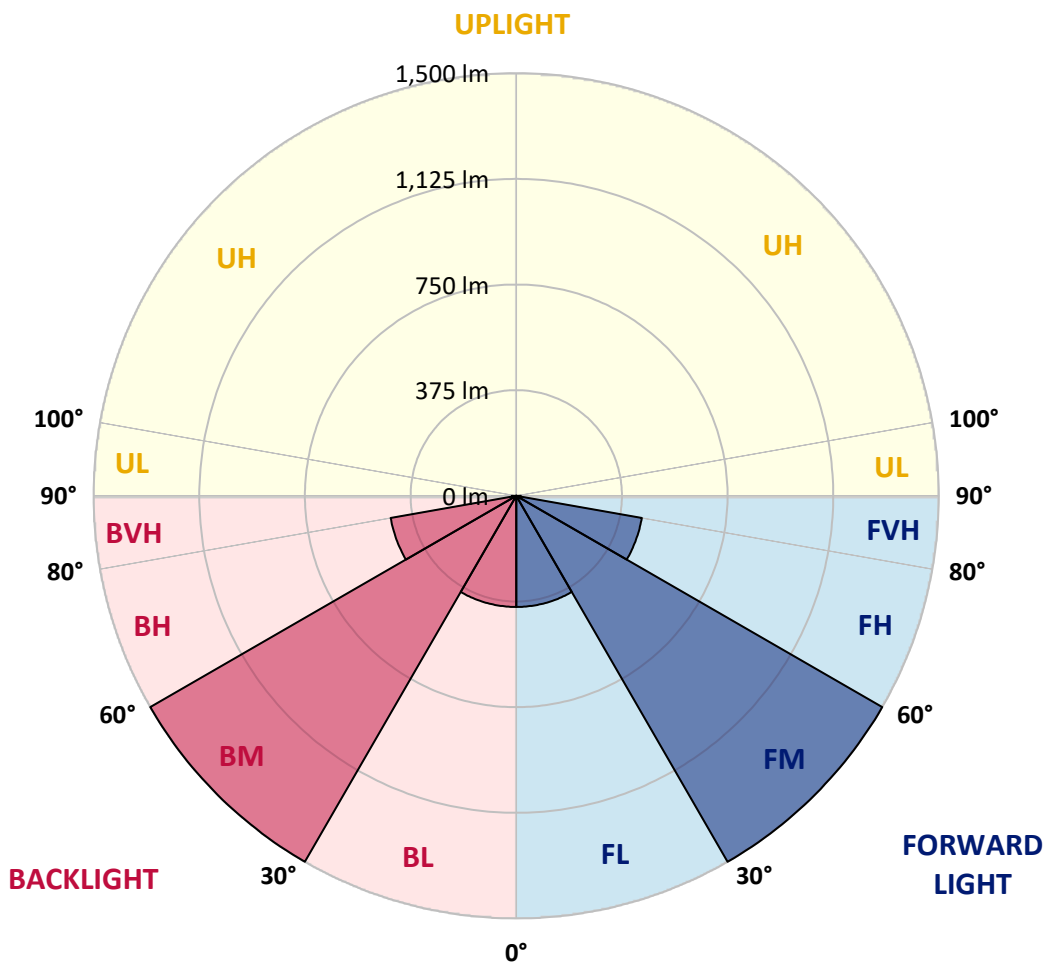


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.3	8.3			
FM (30°-60°)	1500.0	31.7			
FH (60°-80°)	452.6	9.6			G0/660
FVH (80°-90°)	15.7	0.3			G1/100
BL (0°-30°)	394.3	8.3	B1/500		
BM (30°-60°)	1500.0	31.7	B2/2500		
BH (60°-80°)	452.6	9.6	B1/500		G0/660
BVH (80°-90°)	15.7	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°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7
2.5°	907.3	913.9	909.1	913.3	912.7	910.9	907.9	906.1	903.7	907.3	901.2
5°	903.7	909.1	914.5	907.3	907.3	903.7	901.9	898.2	898.2	897.6	897.0
7.5°	909.7	904.2	901.9	903.0	904.2	896.4	901.9	894.6	888.5	892.7	897.6
10°	904.2	906.6	897.6	901.9	895.1	896.4	892.7	897.6	890.9	890.9	890.9
12.5°	909.7	903.0	906.1	903.0	901.2	890.9	895.8	890.3	889.7	895.8	890.3
15°	920.6	909.7	907.3	901.2	903.0	903.0	898.2	898.8	892.2	895.8	897.0
17.5°	917.0	910.9	909.1	901.9	907.9	909.7	900.6	894.6	898.8	898.2	897.6
20°	920.0	922.4	920.6	921.8	924.3	919.4	910.9	902.4	897.0	904.8	904.2
22.5°	939.4	936.9	935.8	934.5	938.7	943.6	932.1	918.8	918.8	924.3	926.7
25°	955.1	954.5	953.9	959.3	973.9	973.9	959.3	942.4	938.2	941.8	938.7
27.5°	978.1	984.8	982.4	992.1	1013.3	1018.1	998.7	978.8	967.2	963.0	968.4
30°	1030.8	1023.0	1024.8	1035.0	1053.8	1069.6	1039.9	1018.7	1002.9	1002.4	1004.7
32.5°	1066.0	1072.0	1077.5	1087.1	1116.8	1128.9	1093.2	1058.7	1049.0	1043.6	1045.4
35°	1136.2	1130.7	1129.6	1139.3	1168.9	1188.9	1144.1	1113.8	1101.1	1113.2	1113.2
37.5°	1202.8	1187.7	1176.1	1188.9	1216.2	1218.6	1180.5	1164.1	1157.4	1171.4	1170.7
40°	1234.3	1233.1	1206.4	1213.7	1250.1	1253.7	1218.0	1198.6	1197.4	1215.5	1233.7
42.5°	1267.1	1255.5	1228.8	1233.7	1256.2	1257.3	1223.4	1218.0	1231.3	1248.9	1250.1
45°	1272.5	1262.8	1245.8	1233.7	1250.1	1253.7	1233.7	1237.4	1238.5	1259.8	1259.8
47.5°	1283.4	1282.2	1272.5	1263.4	1266.4	1263.4	1250.7	1256.2	1274.3	1284.6	1279.7
50°	1313.6	1301.0	1310.7	1302.8	1303.4	1311.8	1300.3	1305.8	1302.1	1293.0	1287.0
52.5°	1380.3	1374.2	1382.7	1388.2	1394.2	1413.6	1400.2	1371.2	1343.9	1319.7	1319.1
55°	1477.8	1482.1	1498.4	1526.2	1549.9	1580.8	1516.6	1446.9	1403.3	1365.2	1367.6
57.5°	1569.8	1566.9	1589.3	1652.8	1721.9	1737.6	1611.6	1512.3	1441.4	1417.2	1407.0
59°	1496.0	1510.5	1561.4	1632.2	1740.7	1763.6	1599.0	1459.0	1384.0	1334.9	1343.3
60°	1379.6	1385.1	1430.5	1529.3	1675.9	1715.2	1513.5	1376.7	1276.8	1248.3	1260.9
62.5°	975.1	970.8	1003.6	1084.1	1215.5	1268.9	1125.3	1029.0	966.0	934.5	941.8
65°	518.4	537.8	551.2	601.4	671.0	727.4	668.1	626.2	591.1	565.1	564.5
67.5°	350.1	347.7	350.7	362.2	385.8	401.5	400.3	379.1	376.1	371.3	376.7
70°	295.0	293.8	288.3	288.3	293.2	296.8	301.0	303.4	308.3	314.3	313.7
72.5°	239.2	236.2	232.6	230.8	236.8	238.7	244.1	246.5	250.7	250.2	255.6
75°	158.1	158.1	162.3	167.2	169.0	172.6	173.2	180.5	180.5	181.7	176.9
77.5°	88.4	86.0	89.0	93.9	98.1	104.8	111.4	116.9	120.0	118.7	118.7
80°	51.4	51.4	54.5	60.0	65.4	71.5	76.3	80.6	83.5	82.4	79.9
82.5°	32.1	32.1	35.2	40.6	44.8	48.5	55.1	60.6	64.2	63.0	60.0
85°	16.4	16.4	20.0	23.6	29.0	31.5	30.9	28.5	27.9	24.8	24.8
87.5°	4.2	4.2	6.0	6.7	5.5	6.0	6.0	6.0	6.0	6.0	6.7
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)