

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: P648192

Luminaire Tested: **GALN-SA1B-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648192
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4060.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

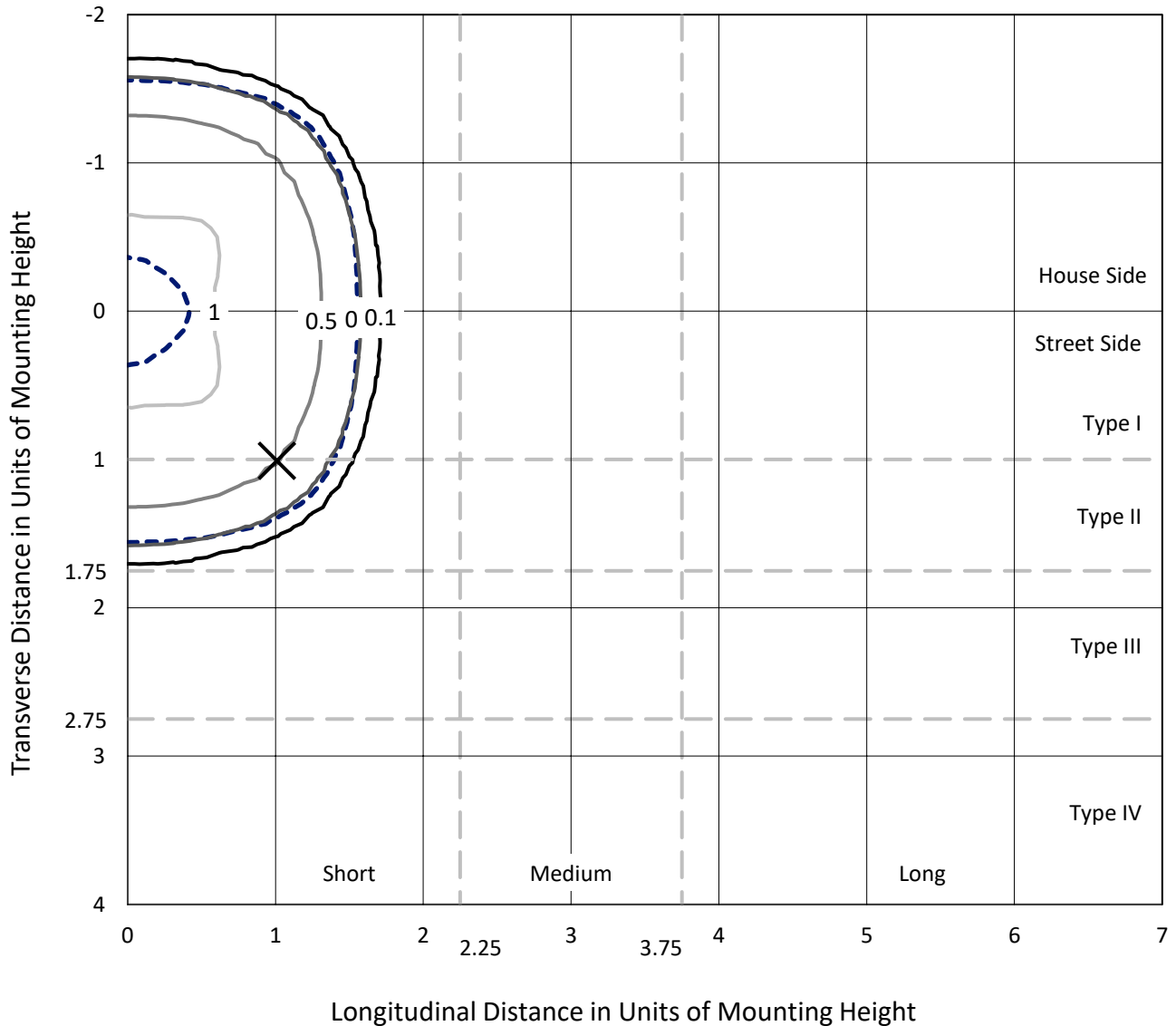
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648192
 CATALOG NUMBER: GALN-SA1B-835-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

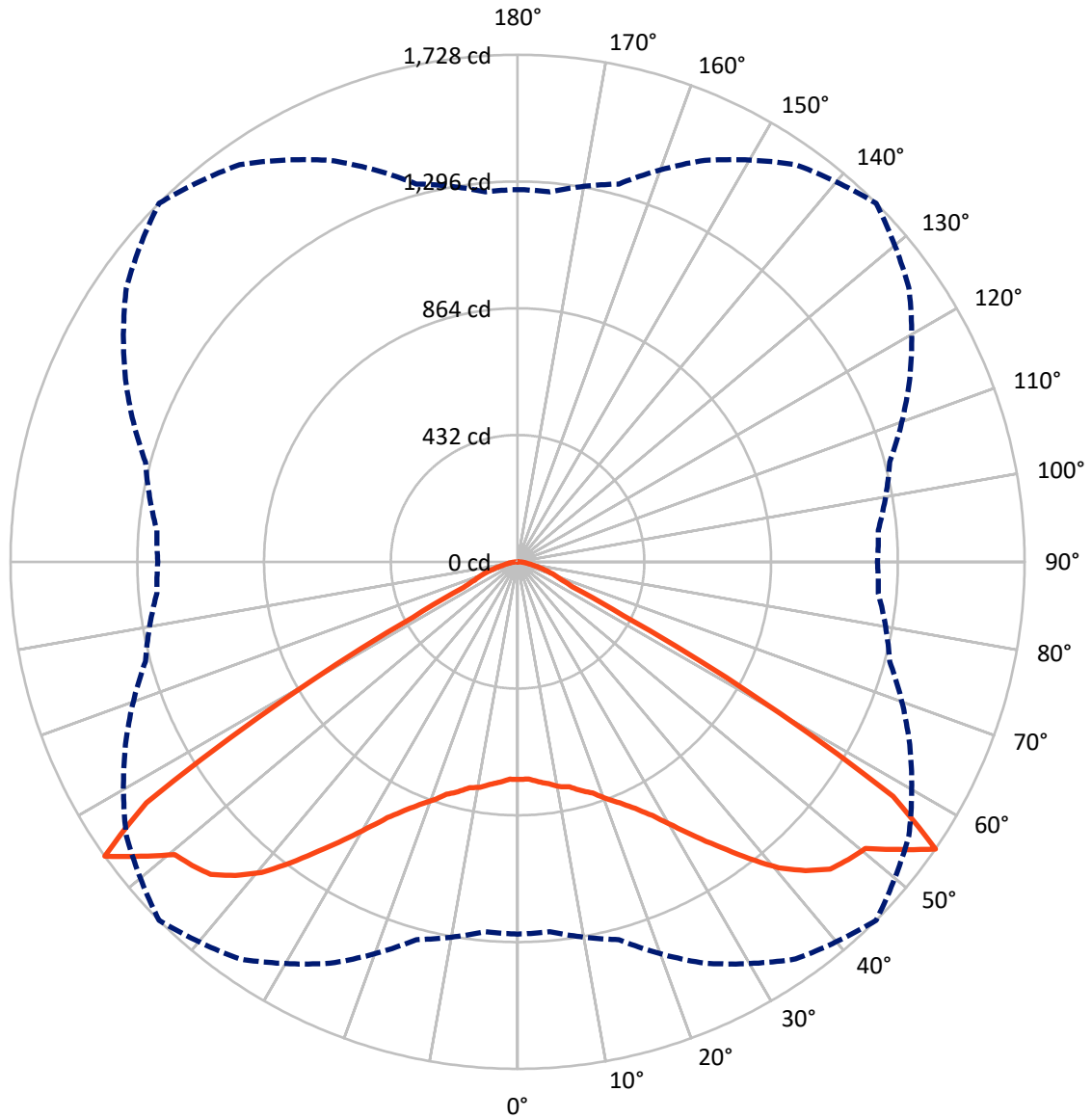
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P648192
CATALOG NUMBER: GALN-SA1B-835-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P648192
 CATALOG NUMBER: GALN-SA1B-835-U-5NQ-GRSWH

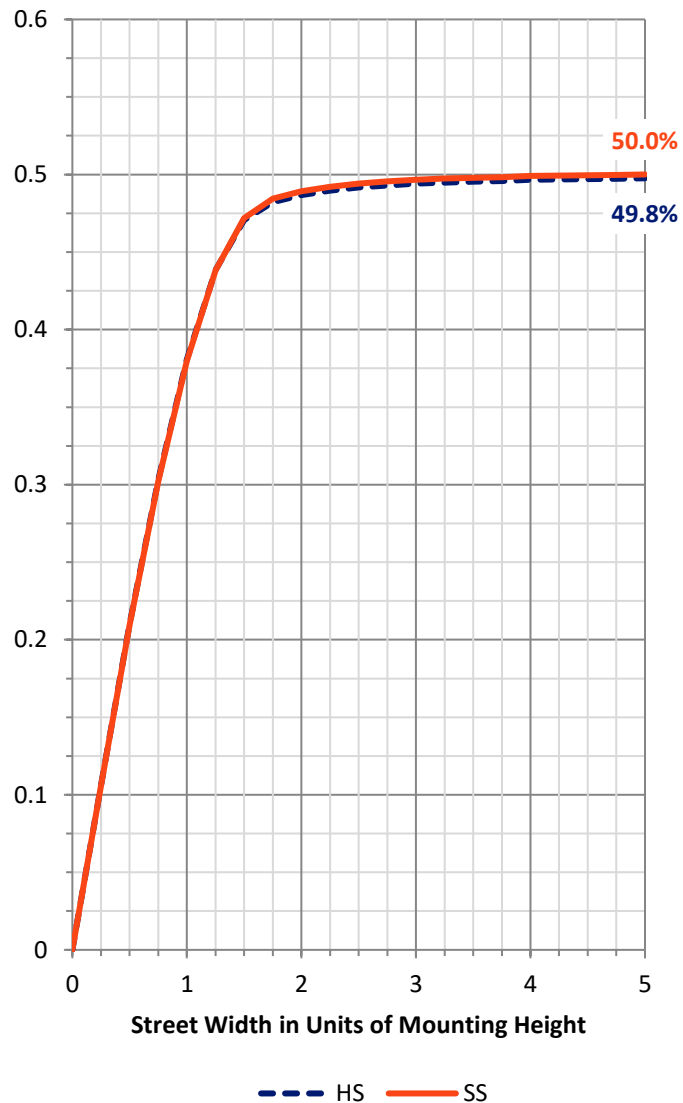
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2030.3	0.0	2030.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2030.3	0.0	2030.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4060.7	0.0	4060.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.8
10°-20°	229.5	5.7
20°-30°	427.9	10.5
30°-40°	716.5	17.6
40°-50°	1114.9	27.5
50°-60°	1157.6	28.5
60°-70°	245.5	6.0
70°-80°	80.8	2.0
80°-90°	15.4	0.4
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°	4060.7	100.0
0°-180°	4060.7	100.0

Coefficient of Utilization

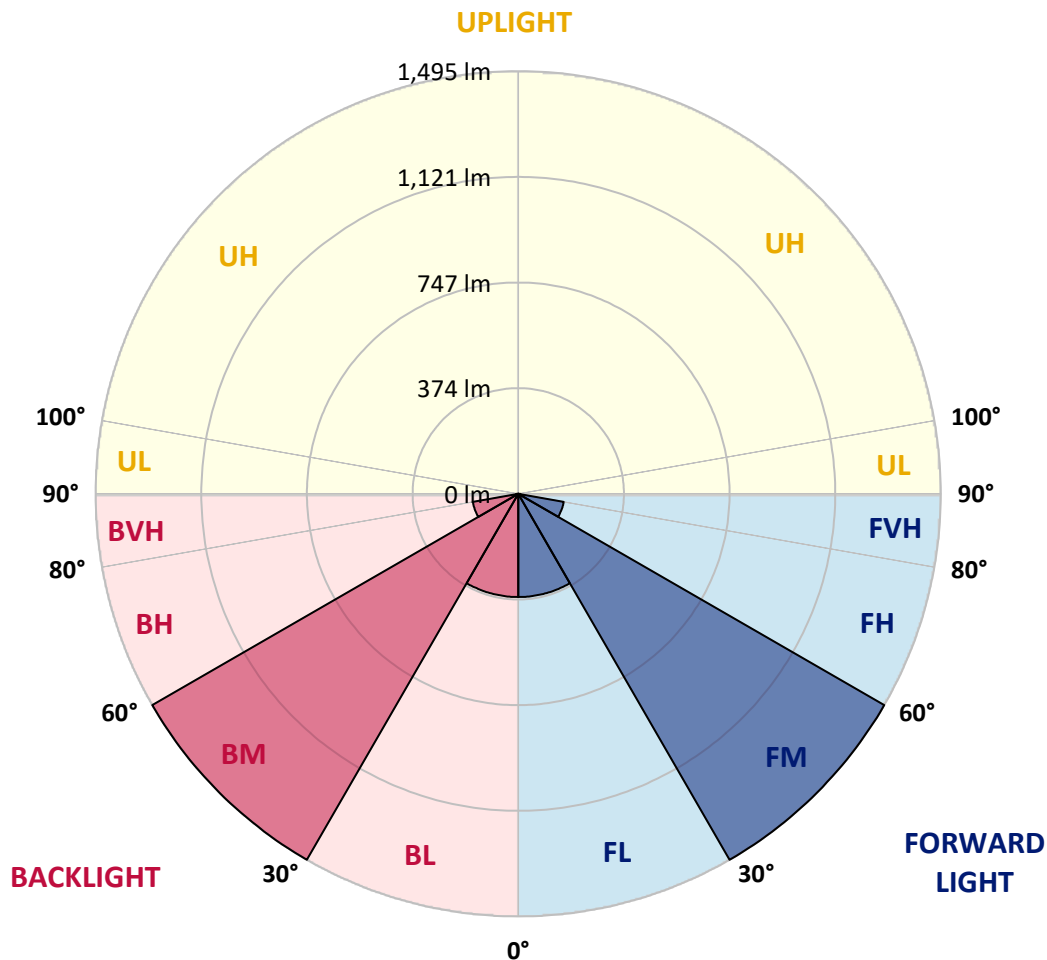


REPORT NUMBER: P648192
 CATALOG NUMBER: GALN-SA1B-835-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	364.9	9.0			
FM (30°-60°)	1494.5	36.8			
FH (60°-80°)	163.2	4.0			G0/660
FVH (80°-90°)	7.7	0.2			G0/10
BL (0°-30°)	364.9	9.0	B1/500		
BM (30°-60°)	1494.5	36.8	B2/2500		
BH (60°-80°)	163.2	4.0	B1/500		G0/660
BVH (80°-90°)	7.7	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





REPORT NUMBER: P648192

CATALOG NUMBER: GALN-SA1B-835-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	741.4	741.4	741.4	741.4	741.4	741.4	741.4	741.4	741.4	741.4	741.4
2.5°	750.3	746.8	741.0	745.3	748.8	741.4	744.3	745.8	744.9	741.0	742.4
5°	761.1	759.0	754.2	757.6	753.2	753.2	750.3	746.4	752.2	751.2	753.7
7.5°	761.1	758.6	768.4	762.0	764.0	764.0	759.0	755.1	758.1	753.7	751.2
10°	776.3	779.7	775.2	776.7	775.8	775.8	771.8	769.4	766.9	765.5	762.5
12.5°	794.4	791.9	793.4	792.5	795.8	787.1	782.6	777.2	781.7	775.2	779.7
15°	809.2	807.7	809.2	813.1	809.6	809.2	801.2	795.8	789.0	790.5	783.6
17.5°	829.3	827.8	828.3	831.7	831.2	828.7	822.9	812.6	810.1	806.2	801.8
20°	859.2	856.8	855.7	857.2	859.7	861.6	849.9	846.0	837.6	831.2	823.9
22.5°	884.7	883.7	887.6	881.3	886.7	892.5	881.3	879.3	858.7	855.3	847.4
25°	920.0	918.5	916.1	925.4	931.8	931.3	920.5	909.7	894.0	890.1	890.1
27.5°	957.3	949.0	961.8	964.2	975.5	978.9	969.6	953.9	939.1	930.8	932.8
30°	1004.0	996.1	999.0	1016.6	1031.4	1044.1	1020.6	997.5	976.9	962.2	959.8
32.5°	1050.6	1042.7	1051.5	1068.7	1098.2	1117.3	1094.2	1054.0	1030.0	1008.3	1012.7
35°	1088.3	1094.2	1108.4	1134.4	1164.9	1195.8	1159.0	1128.1	1093.7	1069.7	1073.1
37.5°	1149.1	1167.3	1178.6	1208.6	1251.7	1283.6	1245.4	1205.1	1168.3	1136.9	1126.1
40°	1228.7	1240.9	1253.7	1289.0	1340.0	1371.9	1335.6	1283.1	1246.8	1214.4	1212.9
42.5°	1316.0	1327.7	1341.0	1384.2	1414.6	1438.7	1405.3	1377.3	1337.1	1311.6	1310.1
45°	1417.5	1409.2	1424.0	1452.4	1477.9	1493.7	1472.0	1458.3	1429.4	1405.8	1403.4
47.5°	1485.3	1477.9	1504.4	1529.9	1533.8	1516.7	1521.1	1533.8	1503.4	1464.7	1477.0
50°	1524.5	1524.5	1542.2	1565.8	1558.4	1536.3	1571.2	1572.1	1541.7	1507.4	1507.4
52.5°	1456.3	1471.6	1521.6	1598.7	1623.2	1629.5	1621.7	1588.3	1508.8	1438.7	1435.2
55°	1268.9	1265.5	1333.1	1509.8	1652.6	1728.2	1628.1	1474.5	1313.0	1234.1	1226.2
57.5°	825.3	829.3	930.4	1110.4	1368.0	1508.8	1340.0	1124.2	930.4	821.4	831.7
60°	371.5	384.7	446.0	580.4	801.8	916.6	803.7	609.9	468.1	406.3	411.7
62.5°	213.4	215.9	218.4	259.1	341.5	403.8	354.8	273.8	241.4	230.6	230.6
65°	180.1	178.6	179.1	182.5	191.4	204.1	198.7	191.4	192.4	191.4	189.9
67.5°	153.1	155.0	153.5	156.1	156.5	158.5	161.9	164.9	165.4	166.3	165.4
70°	125.6	126.1	127.1	129.0	129.5	131.0	135.9	138.4	139.8	139.8	141.8
72.5°	96.2	95.7	96.7	98.7	101.1	101.6	106.0	109.4	111.4	108.9	109.4
75°	63.3	63.8	65.2	66.7	70.2	73.6	75.1	78.5	79.0	79.9	77.5
77.5°	37.8	38.8	40.2	43.1	46.1	49.1	52.5	55.0	55.9	55.0	52.0
80°	24.5	24.5	26.5	29.0	32.4	34.8	36.8	38.8	40.2	38.8	37.8
82.5°	15.2	15.2	17.7	20.6	23.1	24.5	27.5	29.9	31.4	30.5	29.0
85°	7.8	8.4	10.3	12.8	14.7	15.7	15.2	13.7	12.3	11.7	10.8
87.5°	2.4	2.4	3.0	3.0	2.4	2.4	3.0	2.4	3.0	3.0	3.0
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)