

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: P652206

Luminaire Tested: **GALN-SA2B-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6611.1 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

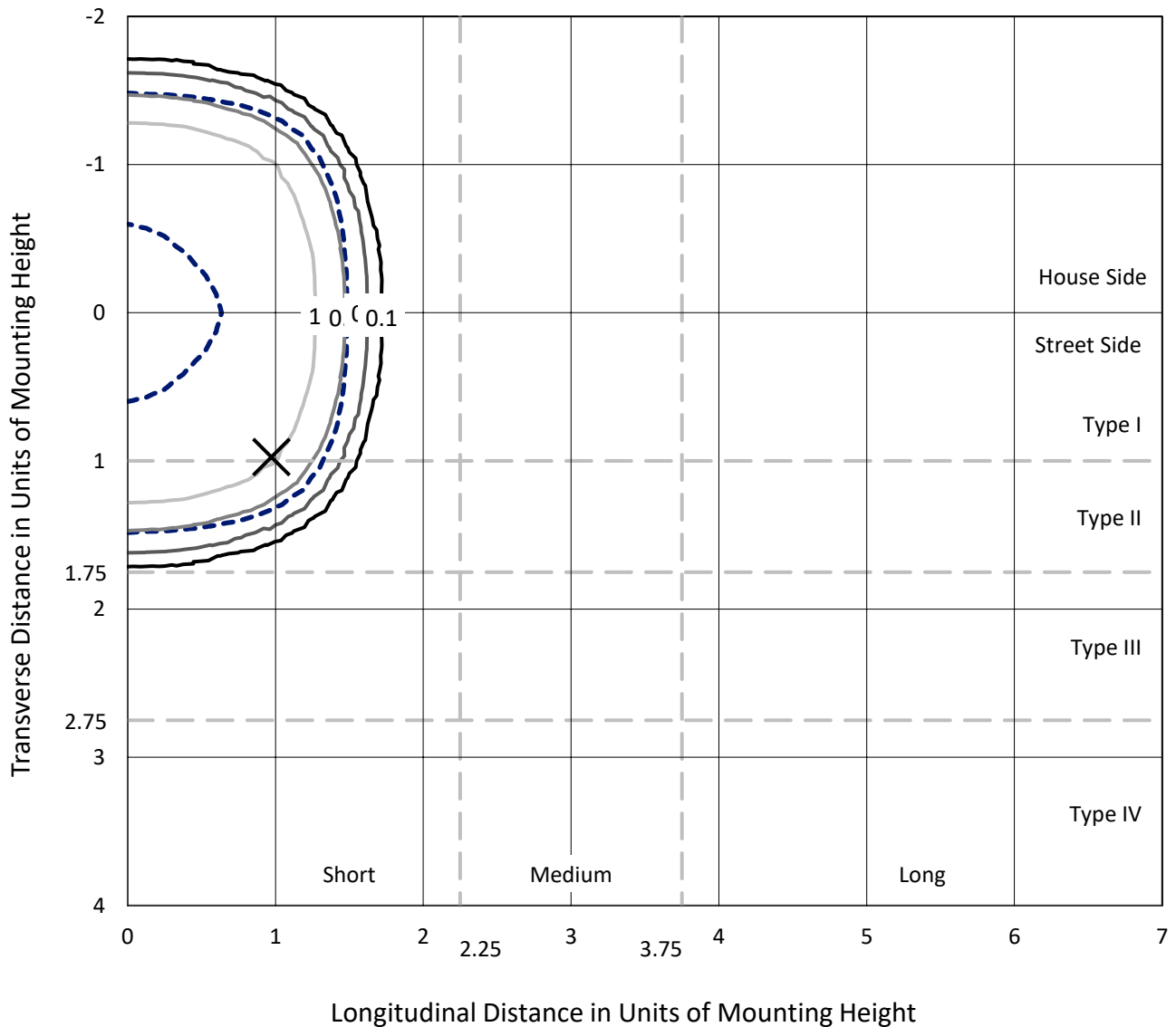
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652206
 CATALOG NUMBER: GALN-SA2B-840-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

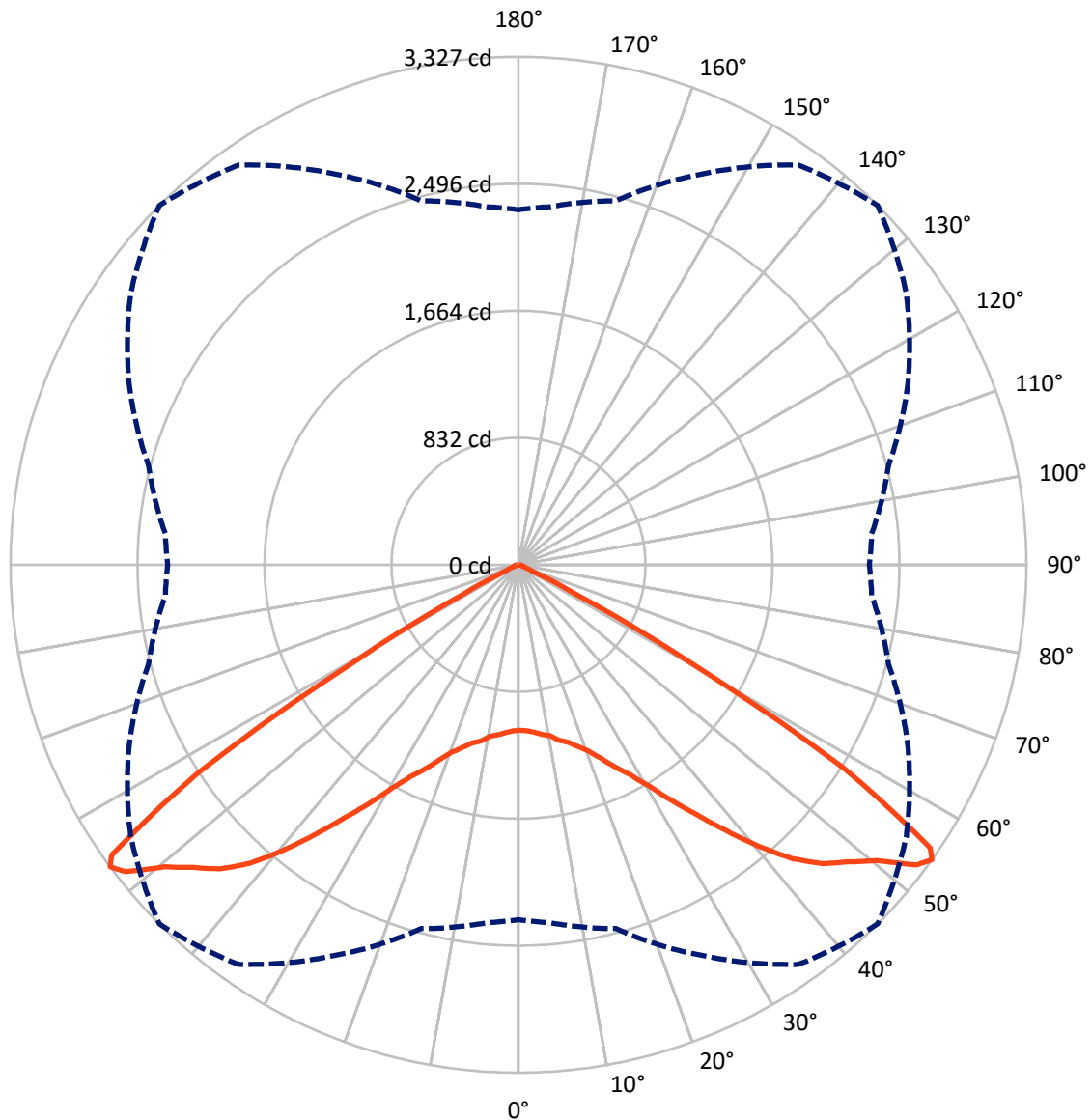
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P652206
CATALOG NUMBER: GALN-SA2B-840-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P652206
 CATALOG NUMBER: GALN-SA2B-840-U-5NQ-GRSBK

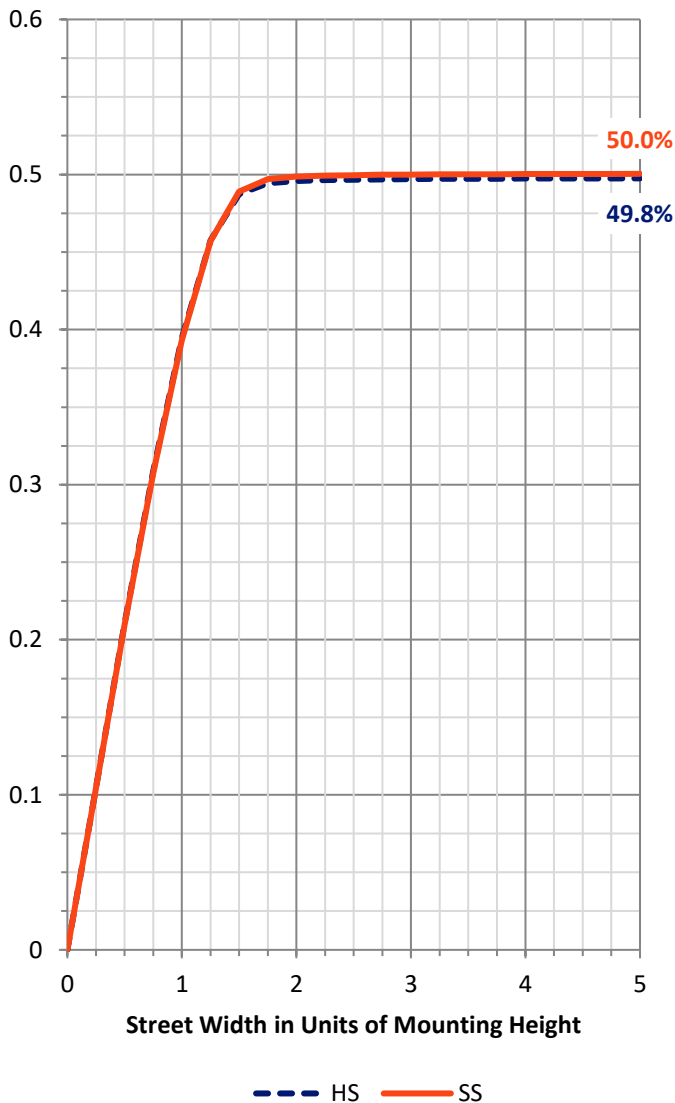
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3305.5	0.0	3305.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3305.5	0.0	3305.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6611.1	0.0	6611.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.6
10°-20°	343.6	5.2
20°-30°	673.4	10.2
30°-40°	1210.9	18.3
40°-50°	2072.9	31.4
50°-60°	2005.7	30.3
60°-70°	171.7	2.6
70°-80°	20.3	0.3
80°-90°	6.4	0.1
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°	6611.1	100.0
0°-180°	6611.1	100.0

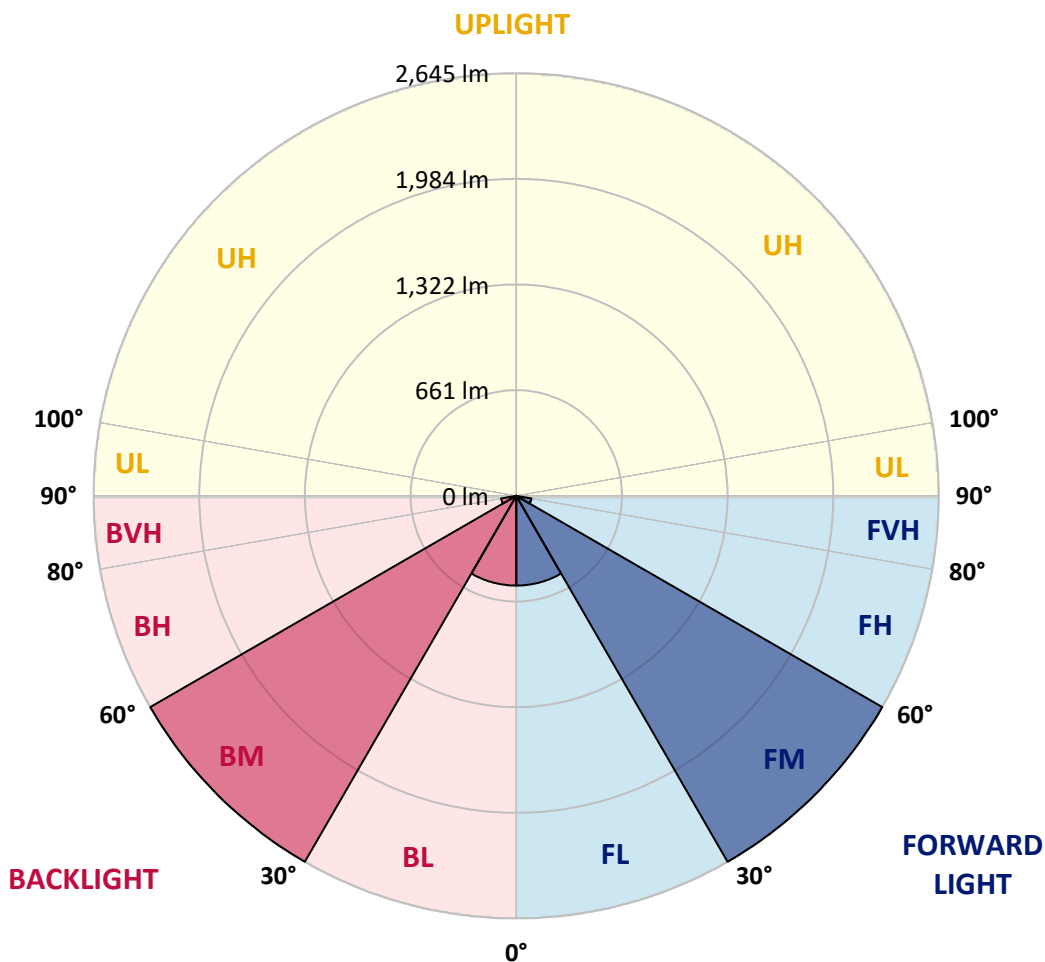


REPORT NUMBER: P652206
 CATALOG NUMBER: GALN-SA2B-840-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	561.6	8.5			
FM (30°-60°)	2644.8	40.0			
FH (60°-80°)	96.0	1.5			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	561.6	8.5	B2/1000		
BM (30°-60°)	2644.8	40.0	B3/5000		
BH (60°-80°)	96.0	1.5	B0/110		G0/660
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





REPORT NUMBER: P652206

CATALOG NUMBER: GALN-SA2B-840-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0	1084.0
2.5°	1089.3	1095.6	1091.4	1094.5	1094.5	1089.3	1092.4	1079.8	1088.2	1081.9	1083.0
5°	1106.0	1105.0	1105.0	1106.0	1101.8	1103.9	1099.7	1095.6	1092.4	1088.2	1100.8
7.5°	1126.9	1126.9	1119.6	1121.7	1119.6	1122.7	1114.4	1106.0	1102.9	1099.7	1097.6
10°	1146.9	1144.8	1141.7	1151.1	1143.7	1139.6	1135.4	1130.1	1118.6	1114.4	1110.2
12.5°	1176.2	1175.1	1170.9	1180.3	1176.2	1180.3	1164.7	1151.1	1149.0	1135.4	1142.7
15°	1210.7	1220.2	1212.8	1212.8	1210.7	1205.5	1199.2	1193.0	1174.1	1168.8	1169.9
17.5°	1255.8	1252.7	1253.7	1253.7	1264.2	1250.6	1238.0	1222.2	1212.8	1209.7	1199.2
20°	1298.8	1302.9	1301.9	1309.2	1315.5	1300.9	1287.2	1285.1	1258.9	1263.1	1248.5
22.5°	1374.1	1371.0	1376.2	1381.4	1377.3	1375.2	1362.6	1346.9	1323.8	1313.4	1311.3
25°	1453.8	1448.5	1439.0	1451.7	1458.0	1467.4	1443.2	1434.9	1399.3	1383.5	1384.6
27.5°	1521.8	1529.1	1539.6	1544.8	1560.6	1557.4	1540.6	1513.5	1486.2	1468.4	1456.9
30°	1615.1	1619.2	1637.0	1644.3	1671.6	1678.9	1652.7	1621.3	1573.1	1550.0	1536.5
32.5°	1700.9	1730.3	1729.2	1765.8	1809.8	1840.2	1793.1	1744.9	1696.7	1669.5	1645.4
35°	1840.2	1835.0	1865.3	1904.1	1975.3	2009.9	1958.5	1903.0	1829.8	1785.8	1766.9
37.5°	1970.0	1972.1	2013.0	2074.8	2156.5	2209.9	2164.9	2073.7	1998.4	1941.8	1915.6
40°	2158.6	2162.8	2204.7	2274.8	2367.0	2424.6	2372.3	2280.1	2179.5	2135.6	2135.6
42.5°	2379.6	2397.4	2424.6	2485.4	2568.1	2632.0	2584.9	2512.6	2411.0	2354.5	2362.9
45°	2606.8	2615.3	2633.1	2723.2	2761.8	2793.3	2749.3	2715.8	2647.7	2578.6	2567.1
47.5°	2819.5	2822.6	2875.0	2903.3	2933.7	2907.5	2935.8	2891.8	2815.3	2748.3	2734.7
50°	2913.7	2908.5	2982.9	3068.7	3091.8	3045.7	3021.6	2992.3	2876.1	2795.4	2759.8
52.5°	2639.3	2669.8	2807.9	3046.8	3226.9	3265.7	3125.3	2990.2	2773.4	2616.3	2592.2
54°	2325.1	2353.4	2467.6	2821.6	3196.6	3327.4	3101.2	2814.2	2508.5	2322.0	2297.9
55°	2014.0	1982.7	2190.0	2551.3	3054.1	3273.0	3005.9	2587.0	2237.1	2066.4	2032.9
57.5°	1090.3	1095.6	1270.4	1611.9	2146.1	2509.5	2216.2	1750.1	1321.8	1130.1	1113.3
60°	345.7	354.0	430.4	651.4	1025.3	1224.3	1049.5	702.7	486.0	389.6	373.9
62.5°	107.9	112.1	122.5	182.2	280.7	401.2	314.2	188.6	140.4	128.8	130.9
65°	66.0	66.0	67.0	71.2	83.8	97.4	94.3	82.8	79.6	77.5	76.4
67.5°	43.0	41.9	44.0	47.1	49.2	50.3	53.4	56.6	55.5	53.4	53.4
70°	26.2	25.1	27.2	31.5	32.5	34.6	37.7	41.9	40.9	38.8	39.8
72.5°	14.6	14.6	15.7	18.8	22.0	24.1	27.2	30.4	31.5	30.4	30.4
75°	5.2	6.3	8.4	11.5	13.6	16.7	19.9	23.0	26.2	24.1	23.0
77.5°	2.1	2.1	4.2	7.3	10.5	13.6	18.8	22.0	24.1	22.0	19.9
80°	1.0	1.0	3.1	6.3	9.4	12.5	15.7	18.8	19.9	17.8	15.7
82.5°	1.0	1.0	3.1	6.3	9.4	11.5	16.7	18.8	20.9	18.8	15.7
85°	0.0	1.0	3.1	6.3	8.4	9.4	9.4	6.3	5.2	3.1	3.1
87.5°	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)