

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: P652218

Luminaire Tested: **GALN-SA2B-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9928.8 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

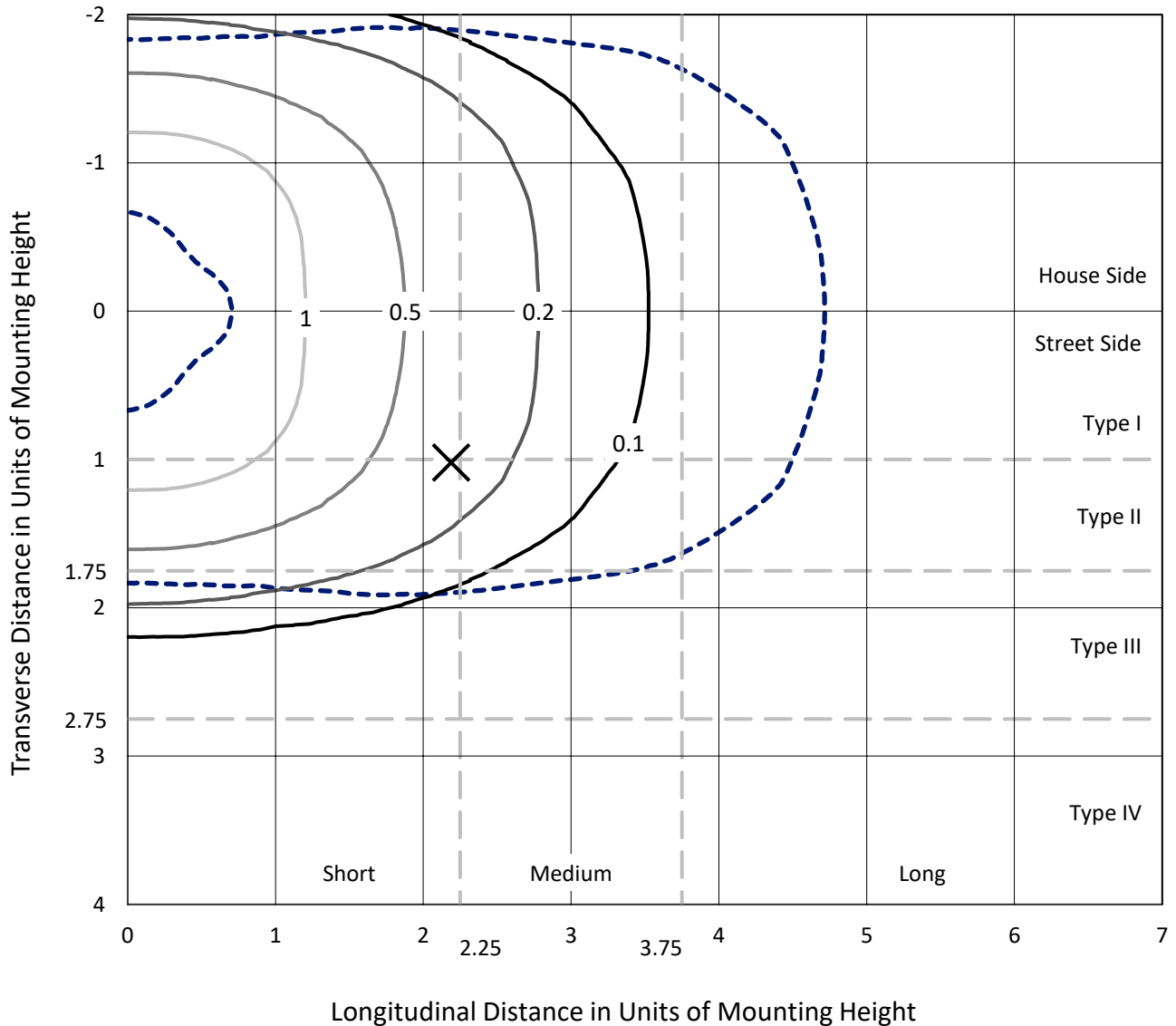
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652218
 CATALOG NUMBER: GALN-SA2B-840-U-RW

Iso-Footcandle Lines of Horizontal Illumination

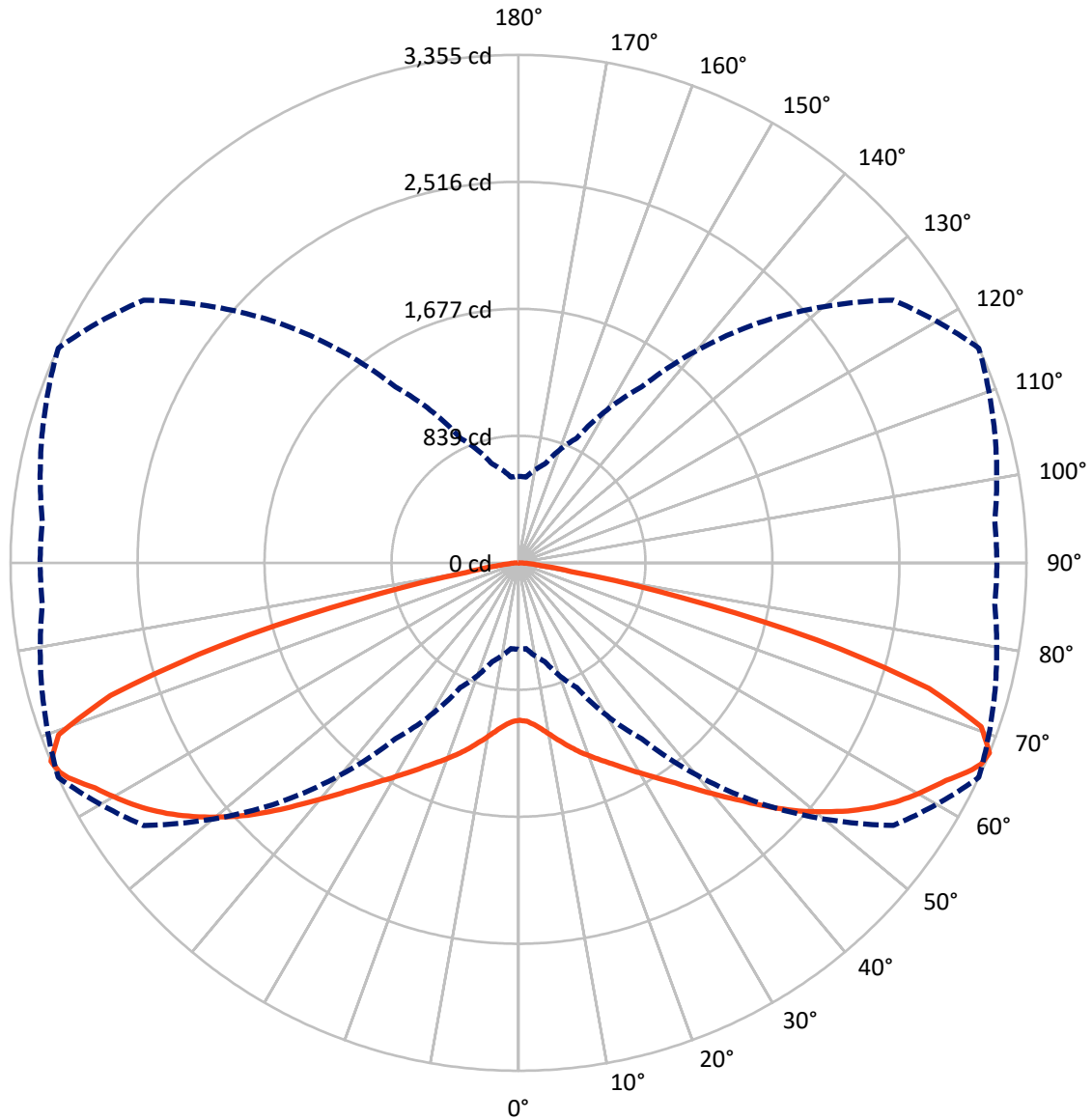
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P652218
CATALOG NUMBER: GALN-SA2B-840-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P652218
 CATALOG NUMBER: GALN-SA2B-840-U-RW

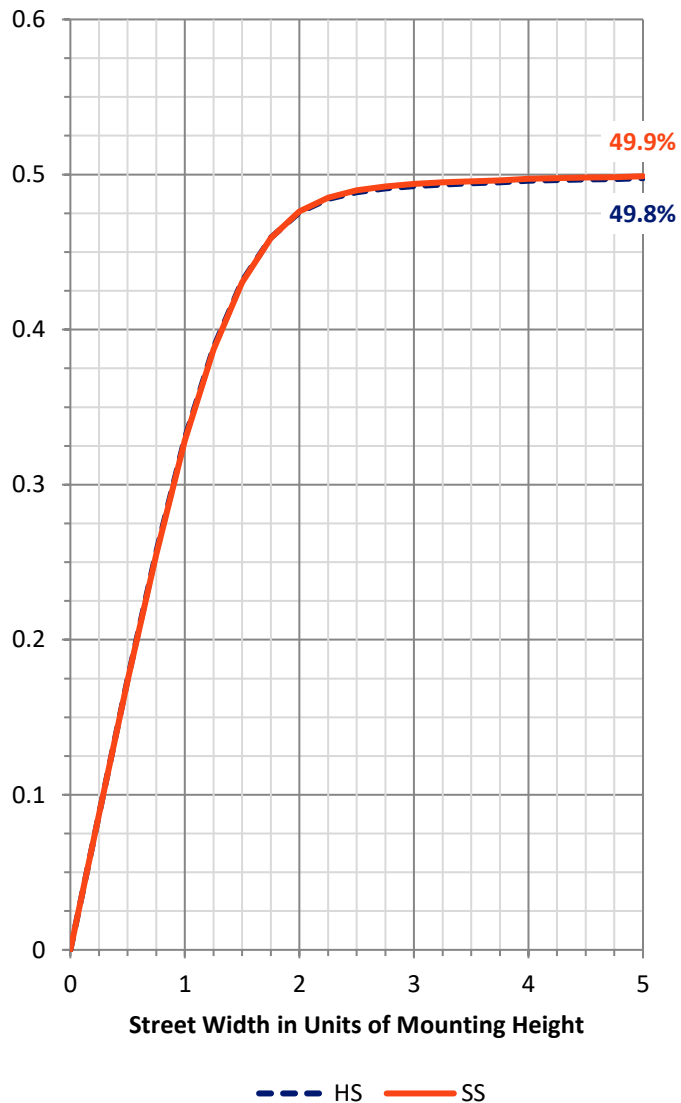
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4964.4	0.0	4964.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4964.4	0.0	4964.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9928.8	0.0	9928.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.0
10°-20°	343.3	3.5
20°-30°	671.5	6.8
30°-40°	1142.1	11.5
40°-50°	1807.6	18.2
50°-60°	2396.9	24.1
60°-70°	2261.0	22.8
70°-80°	1117.7	11.3
80°-90°	86.1	0.9
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°	9928.8	100.0
0°-180°	9928.8	100.0

Coefficient of Utilization



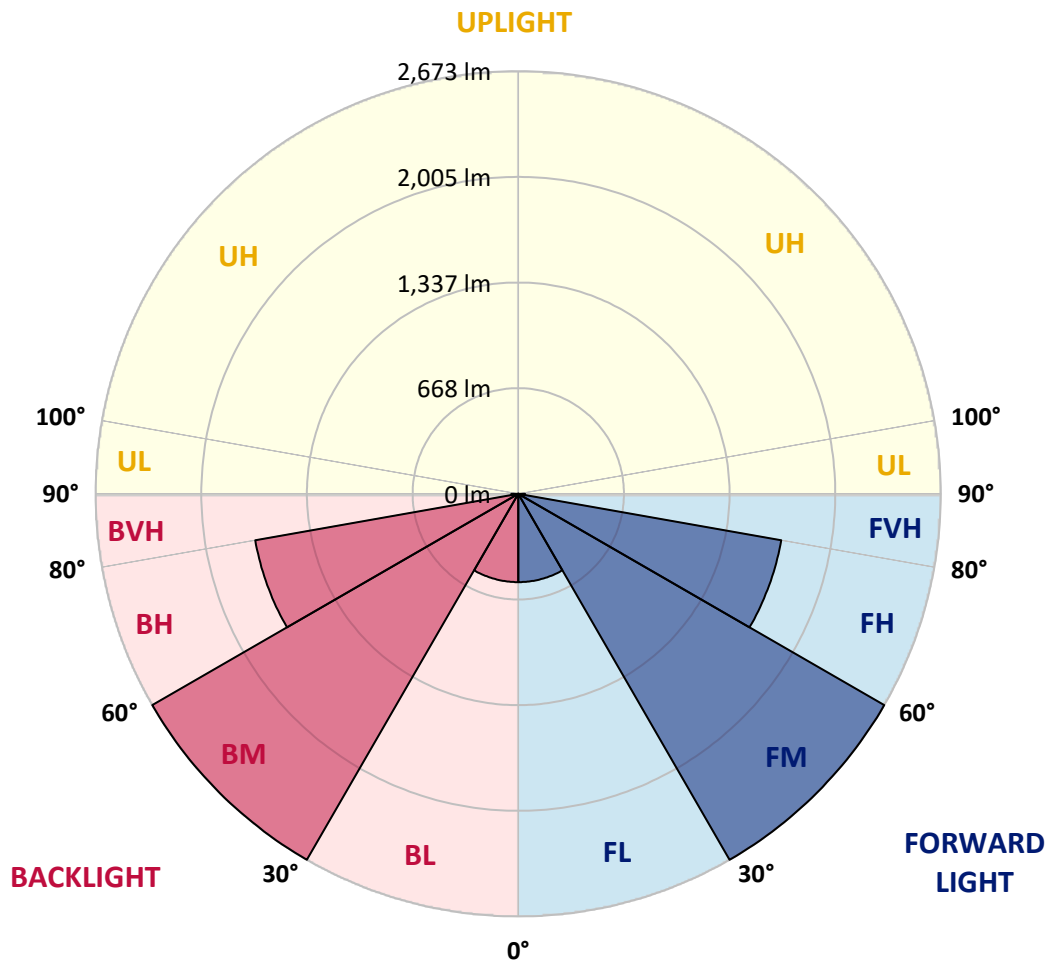
REPORT NUMBER: P652218
 CATALOG NUMBER: GALN-SA2B-840-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.7	5.6			
FM	(30°-60°)	2673.3	26.9			
FH	(60°-80°)	1689.4	17.0			G1/1800
FVH	(80°-90°)	43.1	0.4			G1/100
BL	(0°-30°)	558.7	5.6	B2/1000		
BM	(30°-60°)	2673.3	26.9	B3/5000		
BH	(60°-80°)	1689.4	17.0	B3/2500		G3/2500
BVH	(80°-90°)	43.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P652218
 CATALOG NUMBER: GALN-SA2B-840-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0	1040.0
2.5°	1034.6	1035.7	1036.8	1038.4	1040.5	1043.7	1045.8	1047.4	1051.7	1052.2	1051.7
5°	1030.9	1032.0	1034.6	1039.4	1046.4	1055.9	1063.4	1072.4	1079.3	1084.1	1083.0
7.5°	1030.4	1032.5	1036.8	1046.9	1060.2	1076.6	1093.7	1109.1	1122.4	1133.1	1131.5
10°	1038.9	1041.6	1048.5	1063.4	1084.1	1108.0	1132.0	1154.9	1174.0	1187.8	1192.6
12.5°	1053.3	1055.4	1068.2	1090.5	1120.3	1150.1	1177.2	1205.4	1232.0	1255.4	1255.4
15°	1078.2	1081.9	1097.9	1130.4	1167.1	1201.7	1229.4	1259.1	1287.8	1314.5	1322.4
17.5°	1112.8	1118.2	1142.1	1183.6	1230.4	1262.3	1288.4	1312.9	1337.9	1363.3	1367.1
20°	1160.2	1165.5	1197.4	1247.5	1302.7	1341.1	1358.6	1364.4	1376.7	1401.2	1404.3
22.5°	1224.6	1229.9	1265.5	1321.9	1383.6	1425.1	1432.6	1418.7	1415.5	1434.7	1436.8
25°	1297.4	1302.2	1343.2	1403.8	1467.6	1512.9	1510.8	1476.7	1457.5	1469.2	1472.4
27.5°	1379.3	1386.2	1427.8	1490.5	1559.6	1599.6	1593.2	1543.7	1502.8	1500.6	1501.7
30°	1484.1	1491.6	1531.0	1591.1	1659.1	1695.9	1682.6	1616.1	1552.7	1531.5	1531.5
32.5°	1594.8	1613.4	1653.3	1716.1	1769.3	1795.9	1775.6	1695.9	1611.8	1582.0	1580.4
35°	1738.9	1749.0	1788.4	1849.6	1889.5	1910.2	1871.4	1785.8	1688.9	1653.8	1649.0
37.5°	1879.9	1888.4	1934.1	1992.7	2041.1	2040.0	1987.4	1892.7	1784.7	1745.3	1742.1
40°	2024.0	2033.1	2085.3	2139.0	2187.4	2183.2	2119.3	2013.4	1898.6	1854.4	1862.9
42.5°	2149.1	2159.2	2218.2	2294.8	2338.5	2337.4	2263.5	2144.3	2024.6	1985.3	1992.7
45°	2262.9	2272.0	2340.6	2428.3	2492.2	2500.1	2419.3	2293.2	2170.4	2119.8	2121.9
47.5°	2343.2	2360.3	2432.1	2532.6	2619.3	2647.5	2568.2	2444.9	2303.3	2250.7	2253.9
50°	2404.4	2415.0	2493.2	2607.6	2717.2	2775.7	2711.9	2585.2	2436.3	2380.5	2387.9
52.5°	2411.8	2424.6	2509.7	2641.7	2782.1	2870.9	2839.6	2722.5	2571.9	2514.5	2530.5
55°	2351.2	2358.7	2460.3	2620.4	2807.6	2941.6	2949.6	2850.1	2701.2	2657.6	2668.2
57.5°	2178.4	2197.4	2326.2	2520.9	2772.5	2979.4	3032.1	2966.1	2832.1	2789.0	2806.0
60°	1894.8	1913.9	2043.2	2290.0	2640.1	2961.9	3100.2	3068.8	2950.7	2916.2	2925.2
62.5°	1484.7	1483.1	1643.2	1945.9	2376.8	2875.7	3150.7	3167.7	3067.7	3024.2	3037.9
65°	962.3	967.1	1121.9	1447.9	1979.4	2656.6	3161.9	3293.9	3182.7	3116.7	3126.8
66°	774.0	788.4	919.7	1220.3	1776.7	2512.9	3128.4	3331.0	3217.8	3137.9	3142.7
67.5°	571.3	568.7	676.7	908.5	1418.7	2240.0	3023.6	3354.5	3257.6	3157.1	3159.2
70°	326.1	325.6	363.8	499.0	834.1	1577.2	2548.6	3242.2	3338.5	3226.2	3220.4
72.5°	238.3	236.7	242.0	275.5	407.0	796.3	1758.1	2833.7	3297.1	3215.1	3198.6
75°	200.0	199.0	197.9	202.2	228.2	360.6	933.0	2038.4	2860.8	3017.8	3000.7
77.5°	163.3	163.3	163.8	162.8	163.8	189.9	386.7	1092.6	1742.1	1944.8	1992.2
80°	127.7	127.2	136.2	132.5	124.0	121.8	171.3	351.6	578.2	575.1	474.5
82.5°	94.2	87.8	103.7	101.1	91.5	77.6	100.0	150.0	193.1	125.6	93.1
85°	59.5	59.0	73.4	67.0	55.8	36.7	47.9	64.3	79.8	48.4	39.4
87.5°	10.7	10.1	23.4	17.0	17.0	10.7	13.3	17.6	26.1	18.1	13.3
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)