

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: P451322

Luminaire Tested: **GALN-SA2B-722-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8779 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

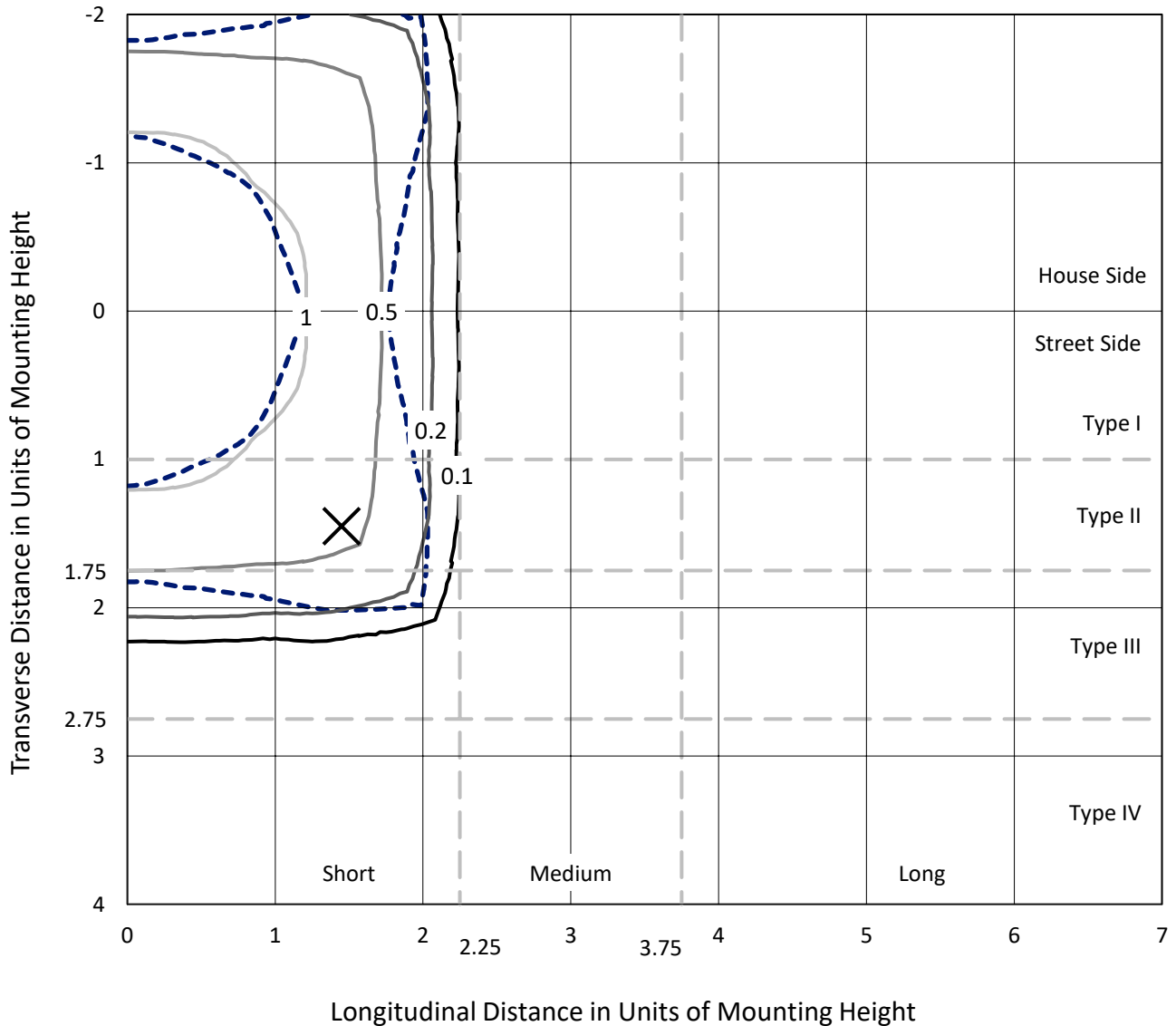
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

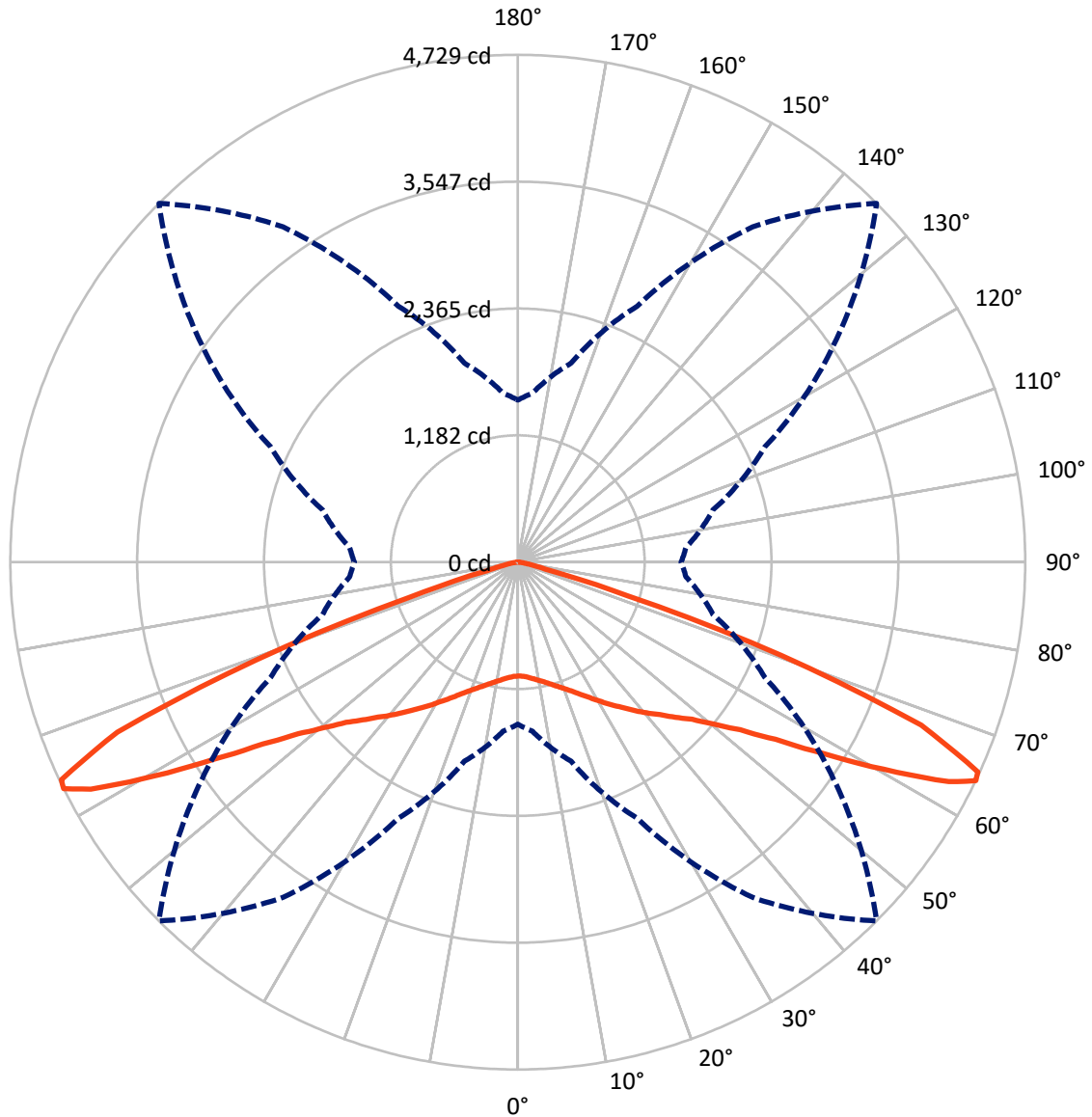
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4389.5	0.0	4389.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4389.5	0.0	4389.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8779.0	0.0	8779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.2
10°-20°	336.3	3.8
20°-30°	635.4	7.2
30°-40°	1052.3	12.0
40°-50°	1642.9	18.7
50°-60°	2539.8	28.9
60°-70°	2190.1	24.9
70°-80°	248.2	2.8
80°-90°	29.7	0.3
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°	8779.0	100.0
0°-180°	8779.0	100.0

Coefficient of Utilization



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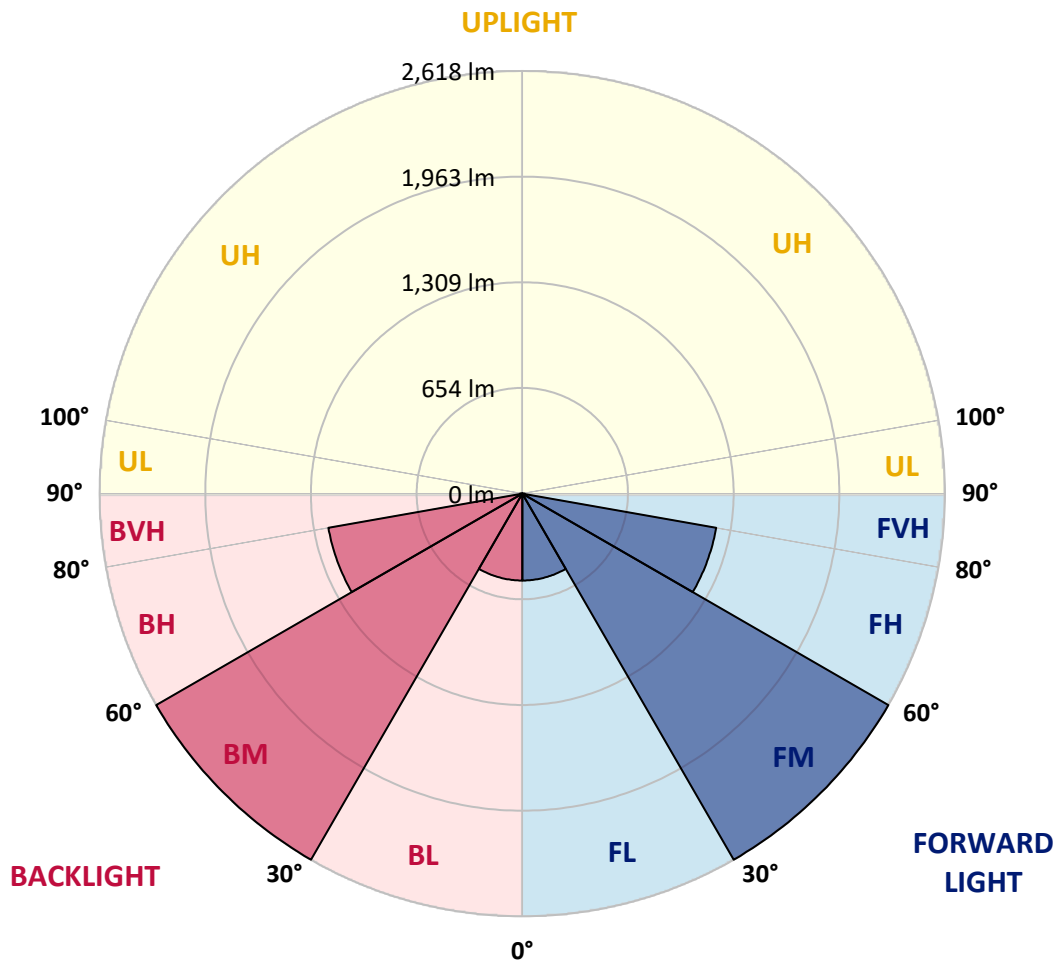
CATALOG NUMBER: GALN-SA2B-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.0	6.1			
FM	(30°-60°)	2617.5	29.8			
FH	(60°-80°)	1219.1	13.9			G1/1800
FVH	(80°-90°)	14.9	0.2			G1/100
BL	(0°-30°)	538.0	6.1	B2/1000		
BM	(30°-60°)	2617.5	29.8	B3/5000		
BH	(60°-80°)	1219.1	13.9	B3/2500		G1/1800
BVH	(80°-90°)	14.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1065.3	1067.6	1065.7	1065.3	1064.8	1064.8	1064.8	1065.3	1067.1	1068.5	1067.6
5°	1078.8	1080.6	1079.7	1079.2	1078.8	1078.3	1077.8	1079.2	1079.2	1079.2	1078.8
7.5°	1095.5	1097.8	1096.9	1097.8	1098.3	1098.8	1096.4	1094.6	1094.1	1095.5	1094.6
10°	1118.3	1120.1	1120.6	1121.1	1122.0	1121.5	1118.7	1115.5	1115.0	1114.6	1114.1
12.5°	1143.9	1145.3	1145.7	1147.6	1149.0	1149.4	1146.2	1143.4	1138.7	1139.7	1137.8
15°	1172.7	1175.5	1175.0	1177.8	1181.5	1182.5	1179.2	1174.5	1170.4	1168.0	1166.6
17.5°	1208.0	1209.9	1209.0	1211.7	1216.4	1218.7	1215.9	1209.9	1205.7	1200.6	1197.8
20°	1249.9	1253.1	1254.1	1254.1	1258.2	1260.6	1256.4	1254.5	1248.0	1244.3	1242.0
22.5°	1297.3	1298.7	1301.5	1304.3	1308.5	1307.5	1306.1	1303.3	1297.3	1294.0	1290.3
25°	1350.8	1352.2	1359.1	1365.2	1366.6	1365.7	1363.8	1362.4	1356.8	1349.4	1346.6
27.5°	1413.1	1415.9	1425.2	1430.8	1430.8	1431.2	1427.5	1432.1	1420.1	1411.2	1410.3
30°	1491.2	1493.1	1501.0	1506.5	1503.8	1501.4	1500.5	1505.1	1492.1	1476.3	1472.6
32.5°	1568.4	1574.9	1581.9	1594.0	1584.2	1580.0	1579.1	1582.3	1567.5	1549.8	1544.7
35°	1651.2	1655.8	1668.8	1679.1	1670.2	1660.5	1664.6	1674.9	1657.2	1633.5	1632.6
37.5°	1742.8	1746.9	1763.7	1774.4	1767.9	1751.1	1758.1	1770.2	1752.5	1723.2	1717.2
40°	1838.1	1846.9	1867.8	1879.0	1868.3	1846.0	1859.0	1872.0	1856.2	1822.3	1808.8
42.5°	1945.0	1959.0	1989.2	1994.8	1974.3	1944.1	1966.9	1987.8	1976.6	1937.6	1932.5
45°	2070.1	2078.5	2115.7	2127.8	2099.4	2061.7	2090.1	2128.2	2119.9	2074.8	2065.0
47.5°	2210.1	2218.0	2256.6	2274.7	2238.9	2188.2	2239.4	2289.1	2284.0	2235.6	2231.0
50°	2375.6	2377.5	2430.9	2451.4	2415.6	2371.9	2417.4	2479.3	2458.8	2397.0	2396.1
52.5°	2556.9	2559.3	2626.7	2666.2	2646.2	2596.9	2650.9	2688.5	2636.5	2555.5	2549.5
55°	2714.1	2725.7	2817.8	2922.9	2950.3	2914.5	2930.8	2913.1	2784.8	2671.3	2653.7
57.5°	2778.3	2801.1	2941.0	3137.2	3315.8	3368.8	3243.3	3074.9	2843.8	2683.4	2666.2
60°	2621.6	2646.2	2863.4	3235.8	3691.5	3921.7	3568.7	3102.4	2709.5	2483.9	2457.0
62.5°	2099.4	2106.4	2425.8	3003.8	3910.5	4506.6	3705.9	2868.5	2318.4	2012.0	2001.3
64°	1510.7	1582.3	1920.8	2633.7	3814.7	4729.3	3626.9	2540.7	1883.2	1573.0	1522.8
65°	1129.9	1149.4	1548.4	2249.1	3645.9	4712.6	3473.4	2227.3	1559.6	1203.8	1148.0
67.5°	426.9	429.2	571.5	1121.1	2595.5	4054.6	2650.9	1211.7	657.0	475.2	458.0
70°	177.2	180.4	209.7	377.1	1115.5	2603.4	1278.2	437.1	240.4	194.8	192.0
72.5°	129.7	131.6	140.4	167.4	343.2	1069.0	420.3	185.5	140.9	126.0	124.6
75°	101.8	102.8	109.3	123.2	160.0	296.2	174.8	127.4	107.4	96.7	95.8
77.5°	77.7	80.0	84.6	93.9	107.4	140.4	115.8	95.3	82.8	73.9	72.5
80°	53.5	56.3	65.1	68.8	72.1	91.1	79.0	72.1	64.6	53.9	50.7
82.5°	33.0	34.9	43.7	47.0	45.6	51.1	50.7	51.6	46.0	33.5	31.2
85°	17.2	18.1	23.7	24.6	22.8	20.9	26.0	30.2	28.4	19.1	18.6
87.5°	3.7	4.2	5.1	4.6	5.1	5.1	6.5	9.8	10.2	6.5	6.0
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)