

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: P527002

Luminaire Tested: **GALN-SA2A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527002
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-SA2A-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7544 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

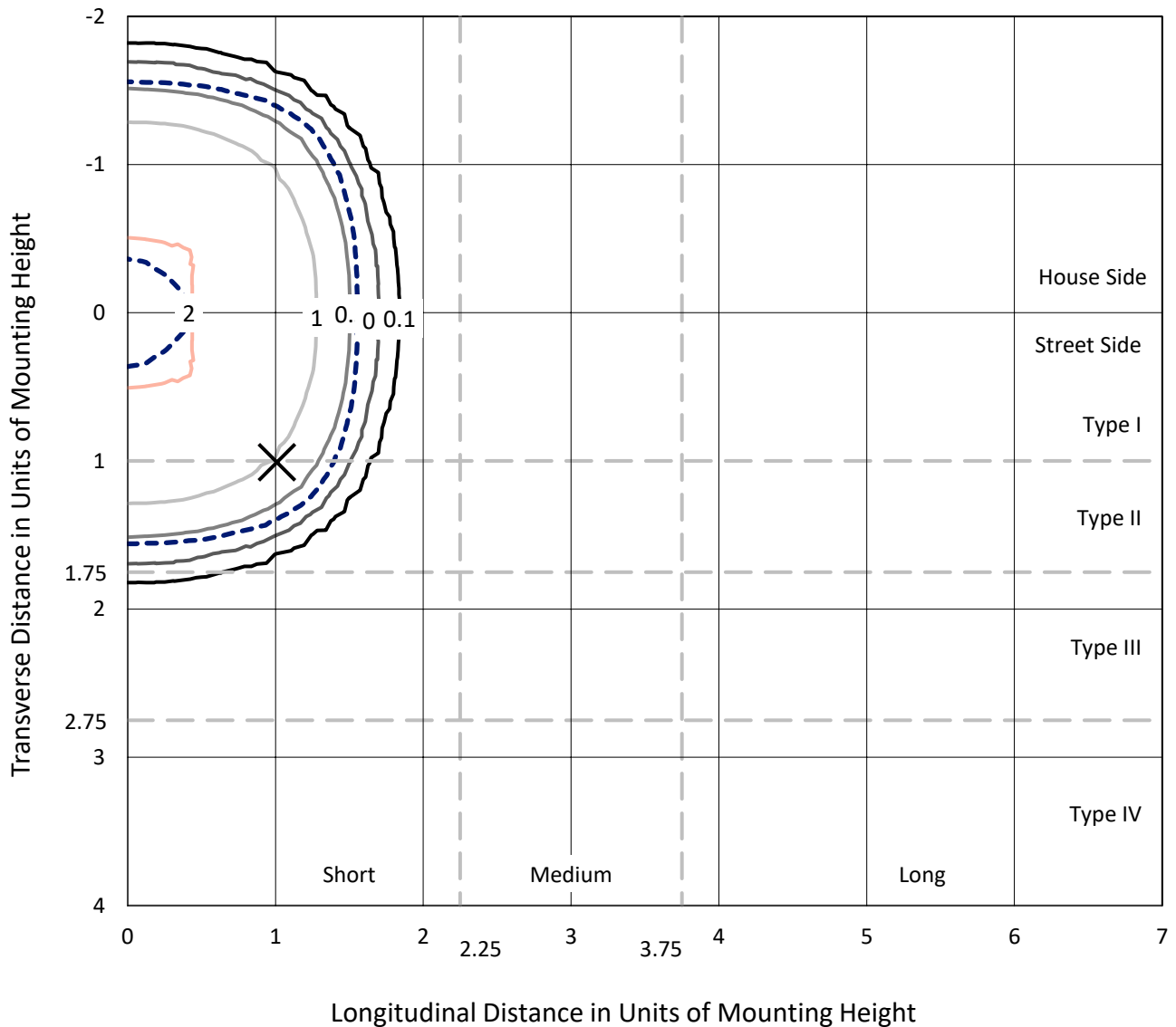
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527002
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

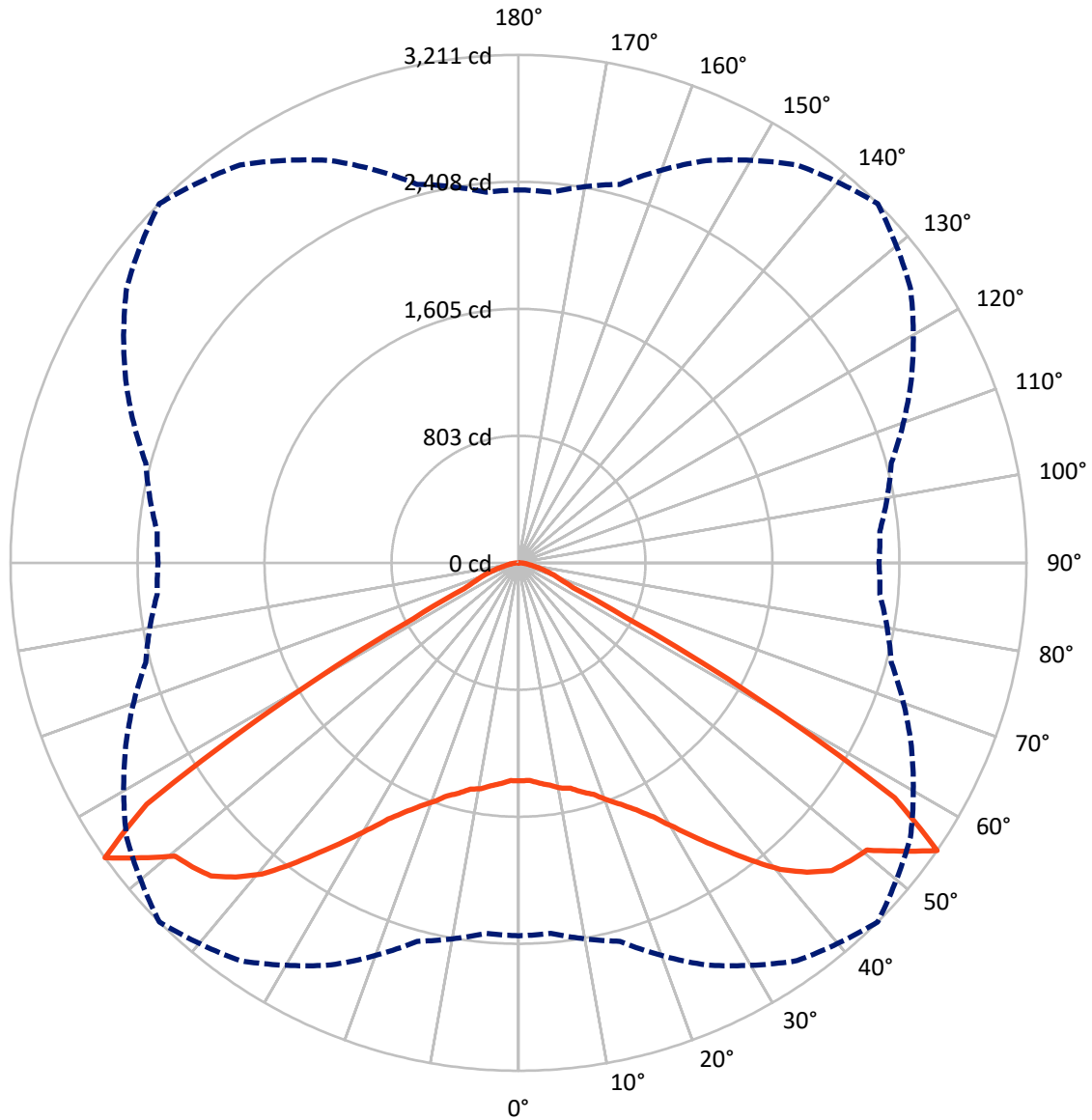
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P527002
CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527002
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSWH

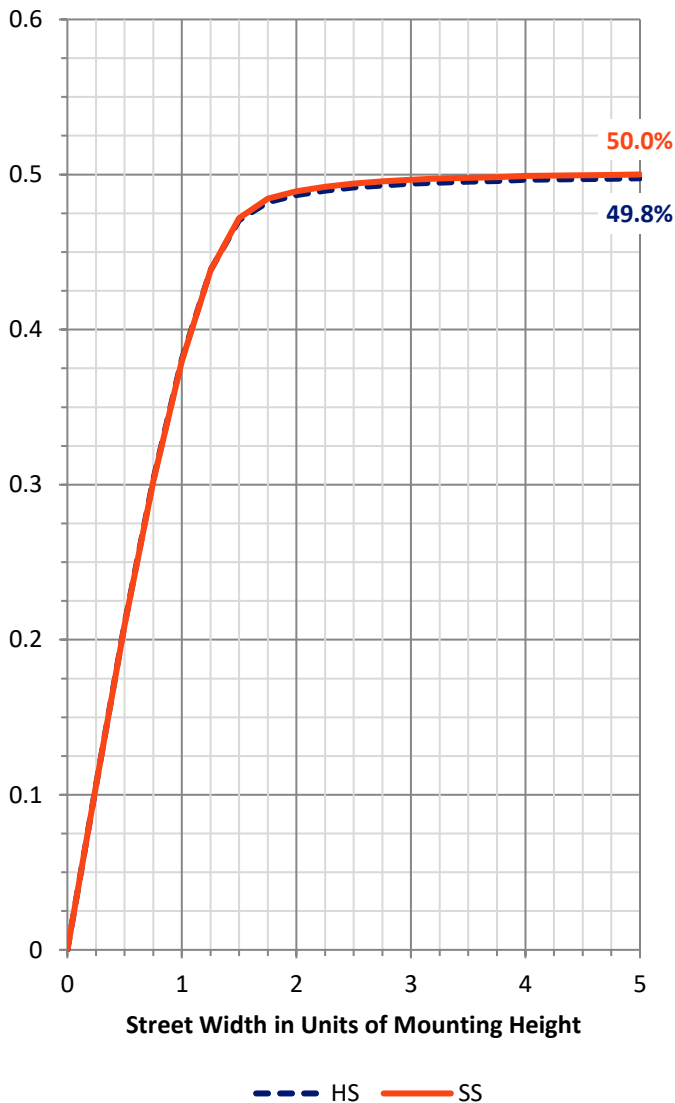
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3772.0	0.0	3772.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3772.0	0.0	3772.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7544.0	0.0	7544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	1.8
10°-20°	426.4	5.7
20°-30°	795.0	10.5
30°-40°	1331.1	17.6
40°-50°	2071.3	27.5
50°-60°	2150.7	28.5
60°-70°	456.1	6.0
70°-80°	150.2	2.0
80°-90°	28.6	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°	7544.0	100.0
0°-180°	7544.0	100.0

Coefficient of Utilization



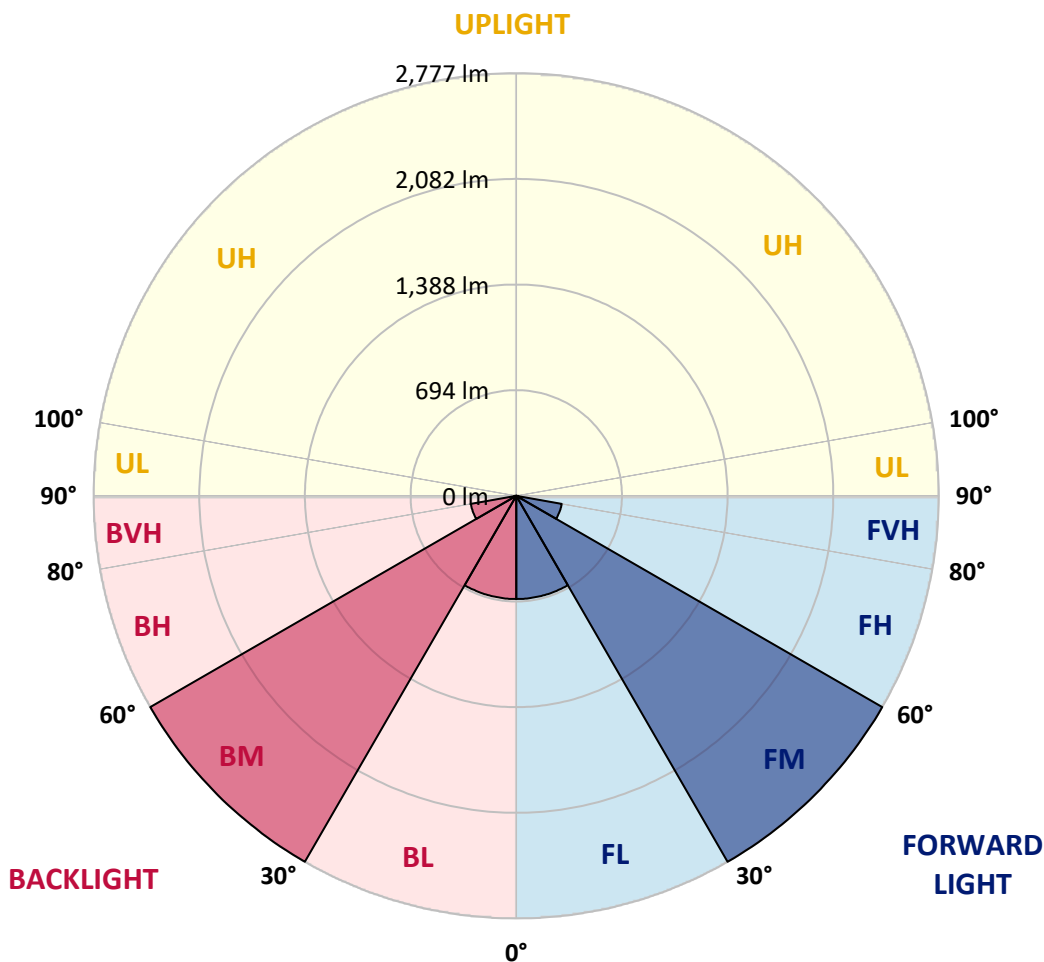
REPORT NUMBER: P527002
 CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.0	9.0			
FM (30°-60°)	2776.6	36.8			
FH (60°-80°)	303.1	4.0			G0/660
FVH (80°-90°)	14.3	0.2			G1/100
BL (0°-30°)	678.0	9.0	B2/1000		
BM (30°-60°)	2776.6	36.8	B3/5000		
BH (60°-80°)	303.1	4.0	B1/500		G0/660
BVH (80°-90°)	14.3	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





REPORT NUMBER: P527002

CATALOG NUMBER: GALN-SA2A-730-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1393.8	1387.4	1376.5	1384.7	1391.1	1377.4	1382.9	1385.6	1383.8	1376.5	1379.2
5°	1413.9	1410.2	1401.1	1407.5	1399.3	1399.3	1393.8	1386.5	1397.5	1395.7	1400.2
7.5°	1413.9	1409.3	1427.6	1415.7	1419.4	1419.4	1410.2	1402.9	1408.4	1400.2	1395.7
10°	1442.1	1448.5	1440.3	1443.1	1441.2	1447.6	1433.9	1429.4	1424.8	1422.1	1416.6
12.5°	1475.9	1471.3	1474.1	1472.2	1478.6	1462.2	1454.0	1444.0	1452.2	1440.3	1448.5
15°	1503.2	1500.5	1503.2	1510.5	1504.1	1503.2	1488.6	1478.6	1465.8	1468.6	1455.8
17.5°	1540.6	1537.9	1538.8	1545.2	1544.2	1539.7	1528.7	1509.6	1505.0	1497.8	1489.5
20°	1596.2	1591.6	1589.8	1592.6	1597.1	1600.8	1578.9	1571.6	1556.1	1544.2	1530.6
22.5°	1643.6	1641.8	1649.1	1637.2	1647.3	1658.2	1637.2	1633.6	1595.3	1588.9	1574.3
25°	1709.2	1706.5	1702.0	1719.3	1731.1	1730.2	1710.2	1690.1	1660.9	1653.6	1653.6
27.5°	1778.5	1763.0	1786.7	1791.3	1812.3	1818.6	1801.3	1772.1	1744.8	1729.3	1732.9
30°	1865.1	1850.5	1856.0	1888.8	1916.2	1939.9	1896.1	1853.3	1815.0	1787.6	1783.1
32.5°	1951.7	1937.1	1953.6	1985.5	2040.2	2075.7	2032.9	1958.1	1913.4	1873.3	1881.5
35°	2021.9	2032.9	2059.3	2107.6	2164.1	2221.6	2153.2	2095.8	2031.9	1987.3	1993.7
37.5°	2135.0	2168.7	2189.7	2245.3	2325.5	2384.7	2313.6	2238.9	2170.5	2112.2	2092.1
40°	2282.6	2305.4	2329.1	2394.8	2489.6	2548.8	2481.4	2383.8	2316.4	2256.2	2253.5
42.5°	2444.9	2466.8	2491.4	2571.6	2628.1	2672.8	2610.8	2558.9	2484.1	2436.7	2434.0
45°	2633.6	2618.1	2645.5	2698.3	2745.7	2774.9	2734.8	2709.3	2655.5	2611.7	2607.2
47.5°	2759.4	2745.7	2795.0	2842.4	2849.6	2817.7	2825.9	2849.6	2793.1	2721.1	2743.9
50°	2832.3	2832.3	2865.1	2908.9	2895.2	2854.2	2918.9	2920.8	2864.2	2800.4	2800.4
52.5°	2705.6	2733.9	2826.9	2970.0	3015.6	3027.4	3012.8	2950.8	2803.2	2672.8	2666.4
55°	2357.4	2351.0	2476.8	2805.0	3070.3	3210.6	3024.7	2739.3	2439.4	2292.7	2278.1
57.5°	1533.3	1540.6	1728.4	2062.9	2541.5	2803.2	2489.6	2088.5	1728.4	1526.0	1545.2
60°	690.1	714.7	828.6	1078.4	1489.5	1702.9	1493.2	1133.1	869.7	754.8	764.8
62.5°	396.5	401.1	405.7	481.3	634.5	750.2	659.1	508.7	448.5	428.5	428.5
65°	334.6	331.8	332.7	339.1	355.5	379.2	369.2	355.5	357.3	355.5	352.8
67.5°	284.4	288.1	285.3	289.9	290.8	294.4	300.8	306.3	307.2	309.0	307.2
70°	233.4	234.3	236.1	239.7	240.7	243.4	252.5	257.1	259.8	259.8	263.5
72.5°	178.7	177.8	179.6	183.2	187.8	188.7	196.9	203.3	206.9	202.4	203.3
75°	117.6	118.5	121.2	124.0	130.4	136.7	139.5	145.9	146.8	148.6	144.0
77.5°	70.2	72.0	74.8	80.2	85.7	91.2	97.5	102.1	103.9	102.1	96.6
80°	45.6	45.6	49.2	53.8	60.2	64.7	68.4	72.0	74.8	72.0	70.2
82.5°	28.3	28.3	32.8	38.3	42.8	45.6	51.0	55.6	58.3	56.5	53.8
85°	14.6	15.5	19.1	23.7	27.3	29.2	28.3	25.5	22.8	21.9	20.1
87.5°	4.6	4.6	5.5	5.5	4.6	4.6	5.5	4.6	5.5	5.5	5.5
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)