

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: P527054

Luminaire Tested: **GALN-SA2A-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527054
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-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 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: 8276 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

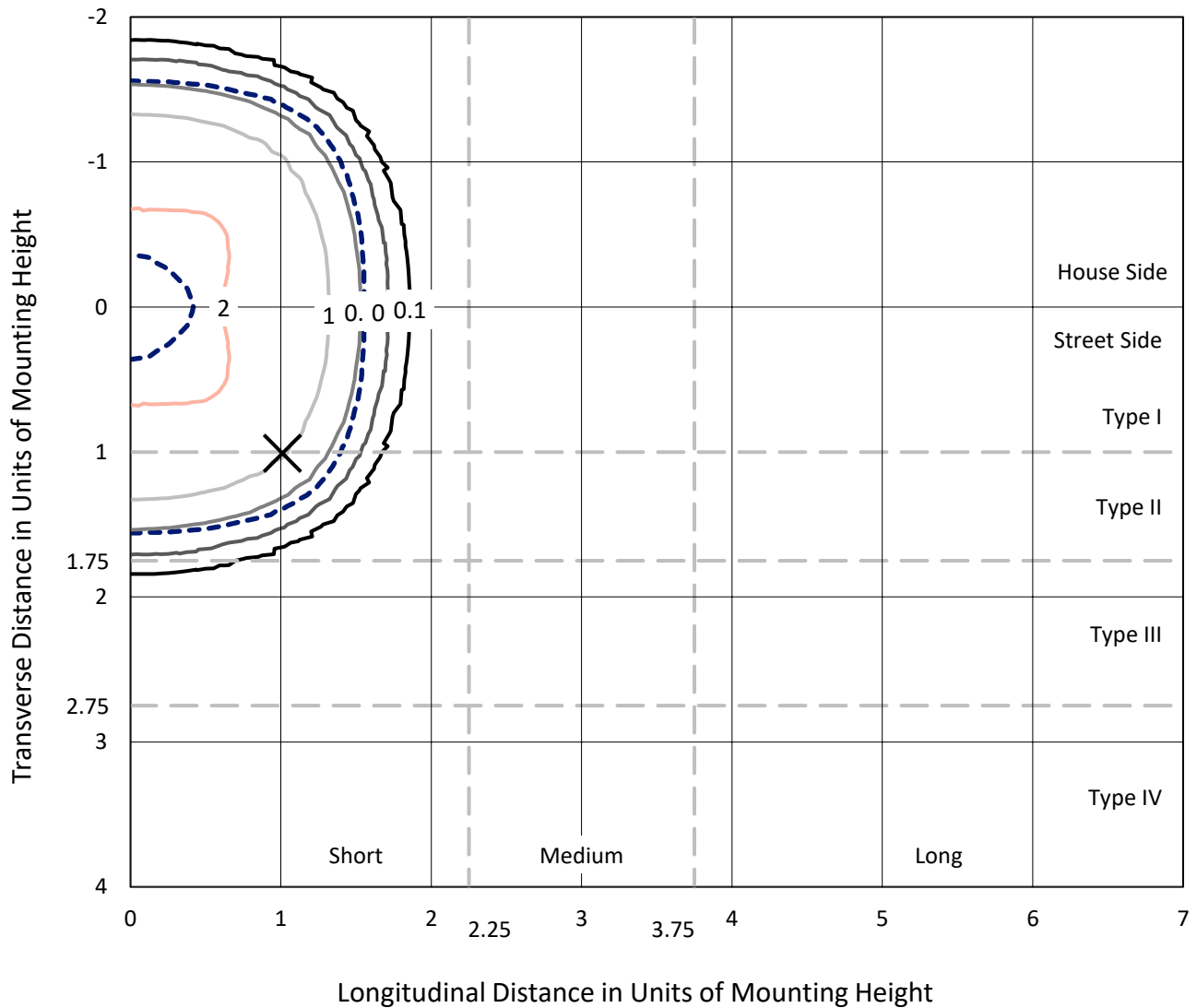
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

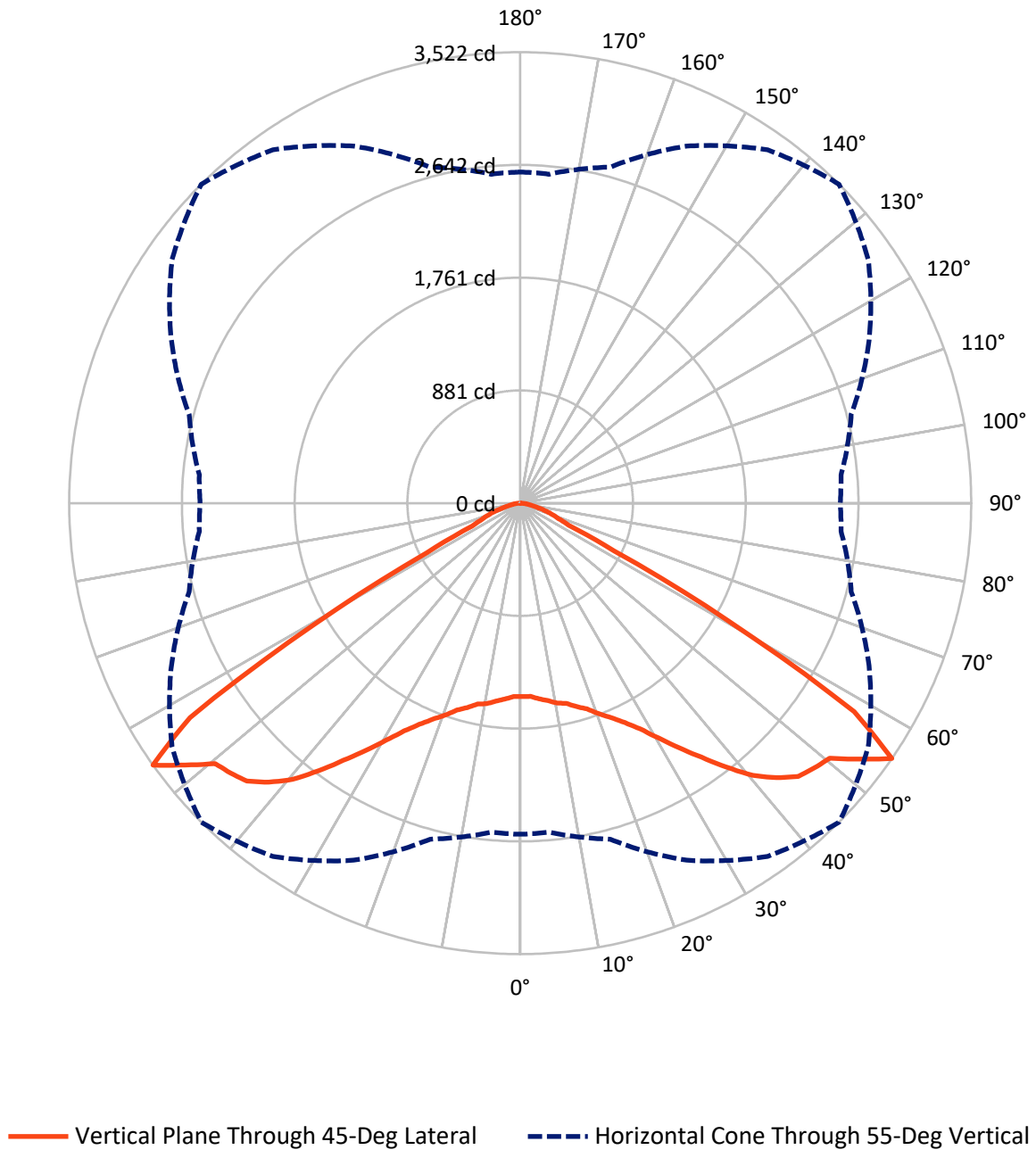
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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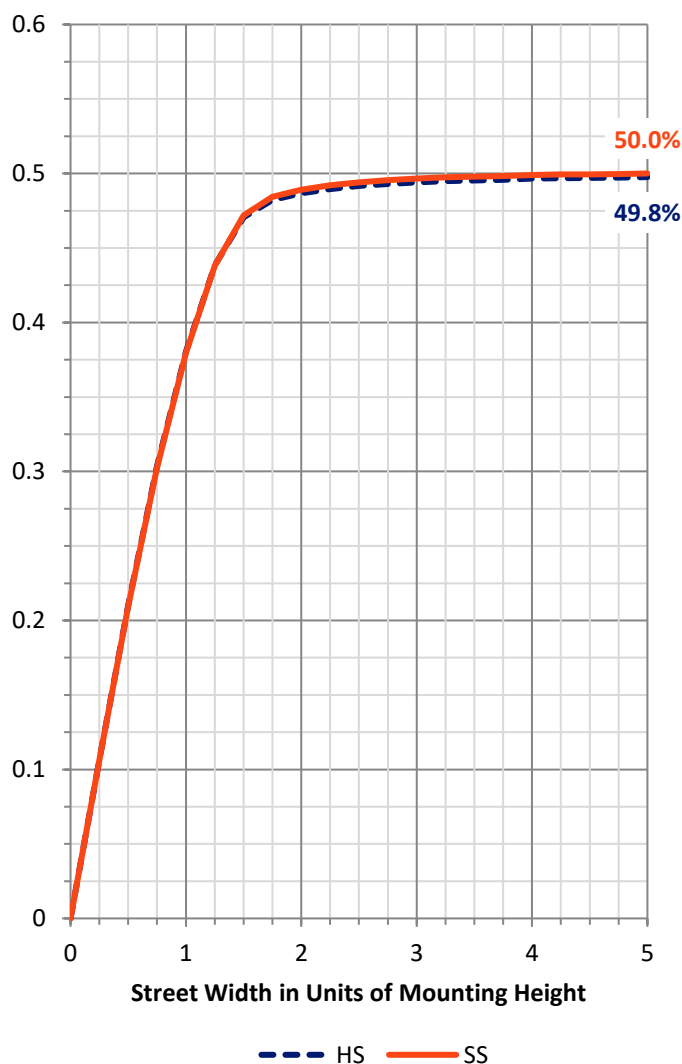
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4138.0	0.0	4138.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4138.0	0.0	4138.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8276.0	0.0	8276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	1.8
10°-20°	467.7	5.7
20°-30°	872.2	10.5
30°-40°	1460.3	17.6
40°-50°	2272.3	27.5
50°-60°	2359.4	28.5
60°-70°	500.3	6.0
70°-80°	164.8	2.0
80°-90°	31.4	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°	8276.0	100.0
0°-180°	8276.0	100.0

Coefficient of Utilization



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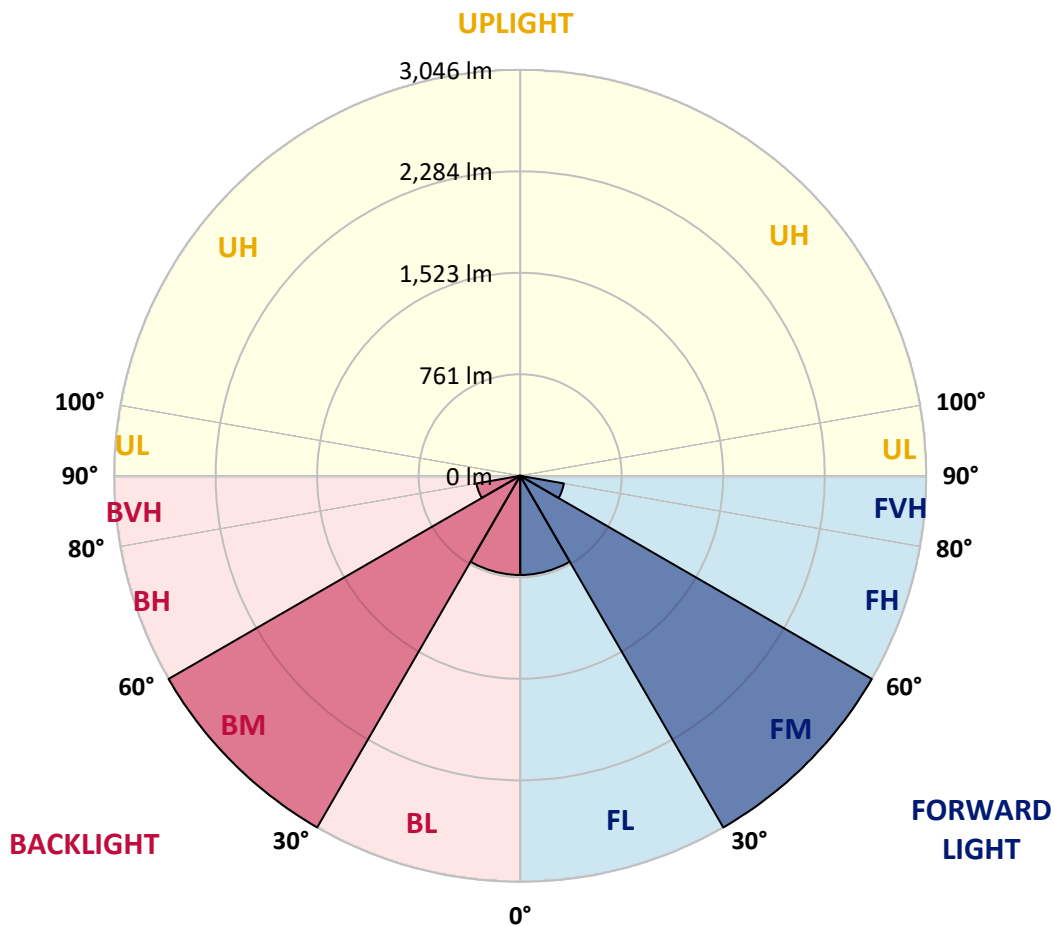
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.8	9.0			
FM (30°-60°)	3046.0	36.8			
FH (60°-80°)	332.6	4.0			G0/660
FVH (80°-90°)	15.7	0.2			G1/100
BL (0°-30°)	743.8	9.0	B2/1000		
BM (30°-60°)	3046.0	36.8	B3/5000		
BH (60°-80°)	332.6	4.0	B1/500		G0/660
BVH (80°-90°)	15.7	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°	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1
2.5°	1529.1	1522.1	1510.1	1519.1	1526.1	1511.1	1517.1	1520.1	1518.1	1510.1	1513.1
5°	1551.1	1547.1	1537.1	1544.1	1535.1	1535.1	1529.1	1521.1	1533.1	1531.1	1536.1
7.5°	1551.1	1546.1	1566.1	1553.1	1557.1	1557.1	1547.1	1539.1	1545.1	1536.1	1531.1
10°	1582.1	1589.1	1580.1	1583.1	1581.1	1588.1	1573.1	1568.1	1563.1	1560.1	1554.1
12.5°	1619.1	1614.1	1617.1	1615.1	1622.1	1604.1	1595.1	1584.1	1593.1	1580.1	1589.1
15°	1649.1	1646.1	1649.1	1657.1	1650.1	1649.1	1633.1	1622.1	1608.1	1611.1	1597.1
17.5°	1690.1	1687.1	1688.1	1695.1	1694.1	1689.1	1677.1	1656.1	1651.1	1643.1	1634.1
20°	1751.1	1746.1	1744.1	1747.1	1752.1	1756.1	1732.1	1724.1	1707.1	1694.1	1679.1
22.5°	1803.1	1801.1	1809.1	1796.1	1807.1	1819.1	1796.1	1792.1	1750.1	1743.1	1727.1
25°	1875.1	1872.1	1867.1	1886.1	1899.1	1898.1	1876.1	1854.1	1822.1	1814.1	1814.1
27.5°	1951.1	1934.1	1960.1	1965.1	1988.1	1995.1	1976.1	1944.1	1914.1	1897.1	1901.1
30°	2046.1	2030.1	2036.1	2072.1	2102.1	2128.1	2080.1	2033.1	1991.1	1961.1	1956.1
32.5°	2141.1	2125.1	2143.1	2178.1	2238.1	2277.1	2230.1	2148.1	2099.1	2055.1	2064.1
35°	2218.1	2230.1	2259.1	2312.1	2374.1	2437.1	2362.1	2299.1	2229.1	2180.1	2187.1
37.5°	2342.1	2379.1	2402.1	2463.1	2551.1	2616.1	2538.1	2456.1	2381.1	2317.1	2295.1
40°	2504.1	2529.1	2555.1	2627.1	2731.1	2796.1	2722.1	2615.1	2541.1	2475.1	2472.1
42.5°	2682.1	2706.1	2733.1	2821.1	2883.1	2932.1	2864.1	2807.1	2725.1	2673.1	2670.1
45°	2889.1	2872.1	2902.1	2960.1	3012.1	3044.1	3000.1	2972.1	2913.1	2865.1	2860.1
47.5°	3027.1	3012.1	3066.2	3118.2	3126.2	3091.2	3100.2	3126.2	3064.2	2985.1	3010.1
50°	3107.2	3107.2	3143.2	3191.2	3176.2	3131.2	3202.2	3204.2	3142.2	3072.2	3072.2
52.5°	2968.1	2999.1	3101.2	3258.2	3308.2	3321.2	3305.2	3237.2	3075.2	2932.1	2925.1
55°	2586.1	2579.1	2717.1	3077.2	3368.2	3522.2	3318.2	3005.1	2676.1	2515.1	2499.1
57.5°	1682.1	1690.1	1896.1	2263.1	2788.1	3075.2	2731.1	2291.1	1896.1	1674.1	1695.1
60°	757.0	784.0	909.0	1183.1	1634.1	1868.1	1638.1	1243.1	954.0	828.0	839.0
62.5°	435.0	440.0	445.0	528.0	696.0	823.0	723.0	558.0	492.0	470.0	470.0
65°	367.0	364.0	365.0	372.0	390.0	416.0	405.0	390.0	392.0	390.0	387.0
67.5°	312.0	316.0	313.0	318.0	319.0	323.0	330.0	336.0	337.0	339.0	337.0
70°	256.0	257.0	259.0	263.0	264.0	267.0	277.0	282.0	285.0	285.0	289.0
72.5°	196.0	195.0	197.0	201.0	206.0	207.0	216.0	223.0	227.0	222.0	223.0
75°	129.0	130.0	133.0	136.0	143.0	150.0	153.0	160.0	161.0	163.0	158.0
77.5°	77.0	79.0	82.0	88.0	94.0	100.0	107.0	112.0	114.0	112.0	106.0
80°	50.0	50.0	54.0	59.0	66.0	71.0	75.0	79.0	82.0	79.0	77.0
82.5°	31.0	31.0	36.0	42.0	47.0	50.0	56.0	61.0	64.0	62.0	59.0
85°	16.0	17.0	21.0	26.0	30.0	32.0	31.0	28.0	25.0	24.0	22.0
87.5°	5.0	5.0	6.0	6.0	5.0	5.0	6.0	5.0	6.0	6.0	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)