

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: P527080

Luminaire Tested: **GALN-SA2A-750-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527080
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-750-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 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: 8284 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

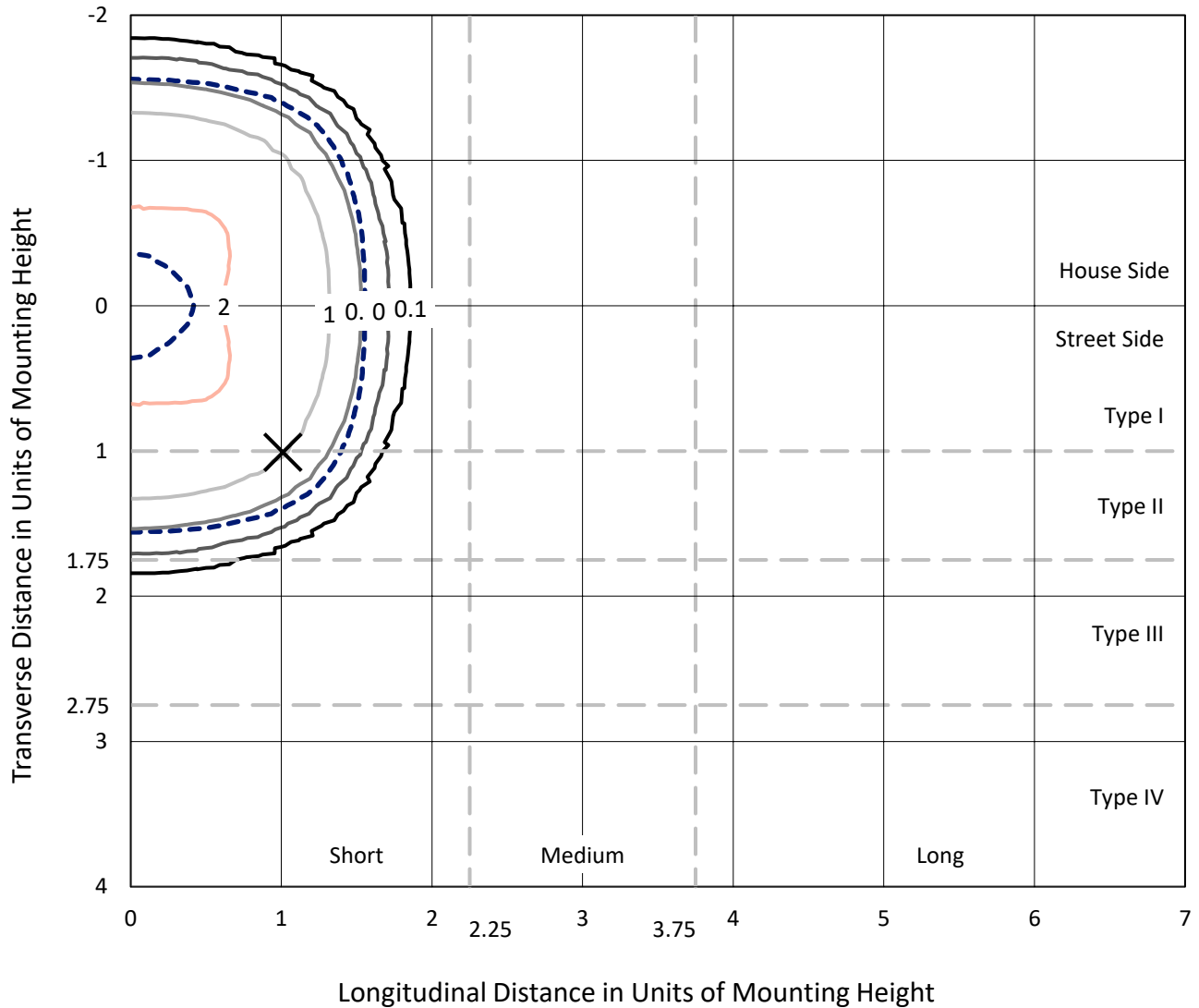
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

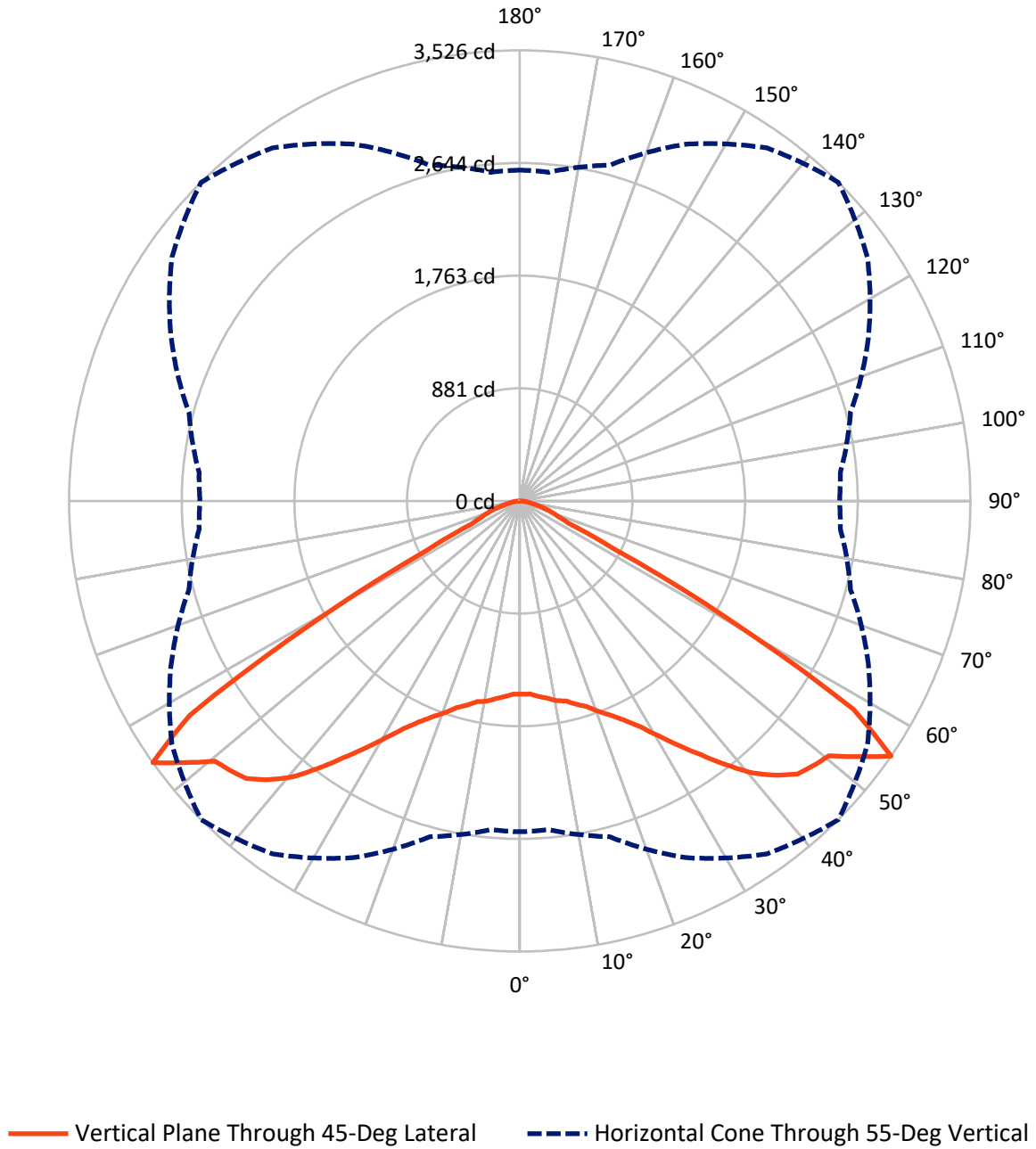
✕ Max cd
 - - - 1/2 Max cd



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	4142.0	0.0	4142.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4142.0	0.0	4142.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8284.0	0.0	8284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	1.8
10°-20°	468.2	5.7
20°-30°	873.0	10.5
30°-40°	1461.7	17.6
40°-50°	2274.5	27.5
50°-60°	2361.7	28.5
60°-70°	500.8	6.0
70°-80°	164.9	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°	8284.0	100.0
0°-180°	8284.0	100.0

Coefficient of Utilization



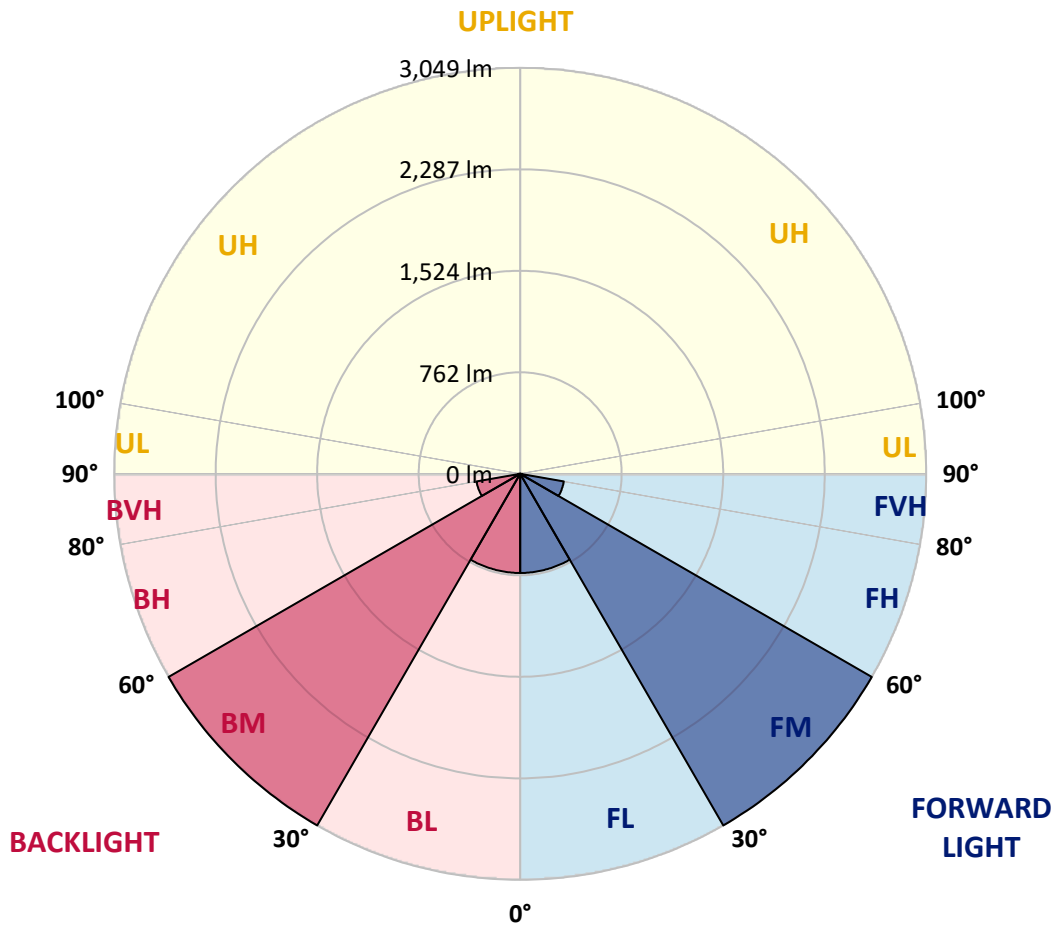
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	744.5	9.0			
FM (30°-60°)	3048.9	36.8			
FH (60°-80°)	332.9	4.0			G0/660
FVH (80°-90°)	15.7	0.2			G1/100
BL (0°-30°)	744.5	9.0	B2/1000		
BM (30°-60°)	3048.9	36.8	B3/5000		
BH (60°-80°)	332.9	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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1530.6	1523.5	1511.5	1520.5	1527.6	1512.5	1518.5	1521.5	1519.5	1511.5	1514.5
5°	1552.6	1548.6	1538.6	1545.6	1536.6	1536.6	1530.6	1522.5	1534.6	1532.6	1537.6
7.5°	1552.6	1547.6	1567.6	1554.6	1558.6	1558.6	1548.6	1540.6	1546.6	1537.6	1532.6
10°	1583.6	1590.6	1581.6	1584.6	1582.6	1589.6	1574.6	1569.6	1564.6	1561.6	1555.6
12.5°	1620.6	1615.6	1618.6	1616.6	1623.6	1605.6	1596.6	1585.6	1594.6	1581.6	1590.6
15°	1650.7	1647.7	1650.7	1658.7	1651.7	1650.7	1634.7	1623.6	1609.6	1612.6	1598.6
17.5°	1691.7	1688.7	1689.7	1696.7	1695.7	1690.7	1678.7	1657.7	1652.7	1644.7	1635.7
20°	1752.8	1747.8	1745.8	1748.8	1753.8	1757.8	1733.8	1725.8	1708.7	1695.7	1680.7
22.5°	1804.8	1802.8	1810.8	1797.8	1808.8	1820.8	1797.8	1793.8	1751.8	1744.8	1728.8
25°	1876.9	1873.9	1868.9	1887.9	1900.9	1899.9	1877.9	1855.9	1823.9	1815.8	1815.8
27.5°	1953.0	1936.0	1962.0	1967.0	1990.0	1997.0	1978.0	1946.0	1915.9	1898.9	1902.9
30°	2048.1	2032.1	2038.1	2074.1	2104.1	2130.2	2082.1	2035.1	1993.0	1963.0	1958.0
32.5°	2143.2	2127.2	2145.2	2180.2	2240.3	2279.3	2232.3	2150.2	2101.1	2057.1	2066.1
35°	2220.3	2232.3	2261.3	2314.3	2376.4	2439.5	2364.4	2301.3	2231.3	2182.2	2189.2
37.5°	2344.4	2381.4	2404.4	2465.5	2553.6	2618.7	2540.6	2458.5	2383.4	2319.4	2297.3
40°	2506.5	2531.6	2557.6	2629.7	2733.8	2798.8	2724.8	2617.7	2543.6	2477.5	2474.5
42.5°	2684.7	2708.7	2735.8	2823.9	2885.9	2935.0	2866.9	2809.9	2727.8	2675.7	2672.7
45°	2891.9	2874.9	2904.9	2963.0	3015.1	3047.1	3003.0	2975.0	2916.0	2867.9	2862.9
47.5°	3030.1	3015.1	3069.1	3121.2	3129.2	3094.1	3103.1	3129.2	3067.1	2988.0	3013.1
50°	3110.2	3110.2	3146.2	3194.2	3179.2	3134.2	3205.3	3207.3	3145.2	3075.1	3075.1
52.5°	2971.0	3002.0	3104.1	3261.3	3311.4	3324.4	3308.4	3240.3	3078.1	2935.0	2928.0
55°	2588.6	2581.6	2719.8	3080.1	3371.4	3525.6	3321.4	3008.1	2678.7	2517.6	2501.5
57.5°	1683.7	1691.7	1897.9	2265.3	2790.8	3078.1	2733.8	2293.3	1897.9	1675.7	1696.7
60°	757.8	784.8	909.9	1184.2	1635.7	1869.9	1639.7	1244.3	955.0	828.8	839.9
62.5°	435.4	440.4	445.5	528.5	696.7	823.8	723.7	558.6	492.5	470.5	470.5
65°	367.4	364.4	365.4	372.4	390.4	416.4	405.4	390.4	392.4	390.4	387.4
67.5°	312.3	316.3	313.3	318.3	319.3	323.3	330.3	336.3	337.3	339.3	337.3
70°	256.3	257.3	259.3	263.3	264.3	267.3	277.3	282.3	285.3	285.3	289.3
72.5°	196.2	195.2	197.2	201.2	206.2	207.2	216.2	223.2	227.2	222.2	223.2
75°	129.1	130.1	133.1	136.1	143.1	150.2	153.2	160.2	161.2	163.2	158.2
77.5°	77.1	79.1	82.1	88.1	94.1	100.1	107.1	112.1	114.1	112.1	106.1
80°	50.1	50.1	54.1	59.1	66.1	71.1	75.1	79.1	82.1	79.1	77.1
82.5°	31.0	31.0	36.0	42.0	47.0	50.1	56.1	61.1	64.1	62.1	59.1
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)