

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: P527918

Luminaire Tested: **GALN-SA3A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10004 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

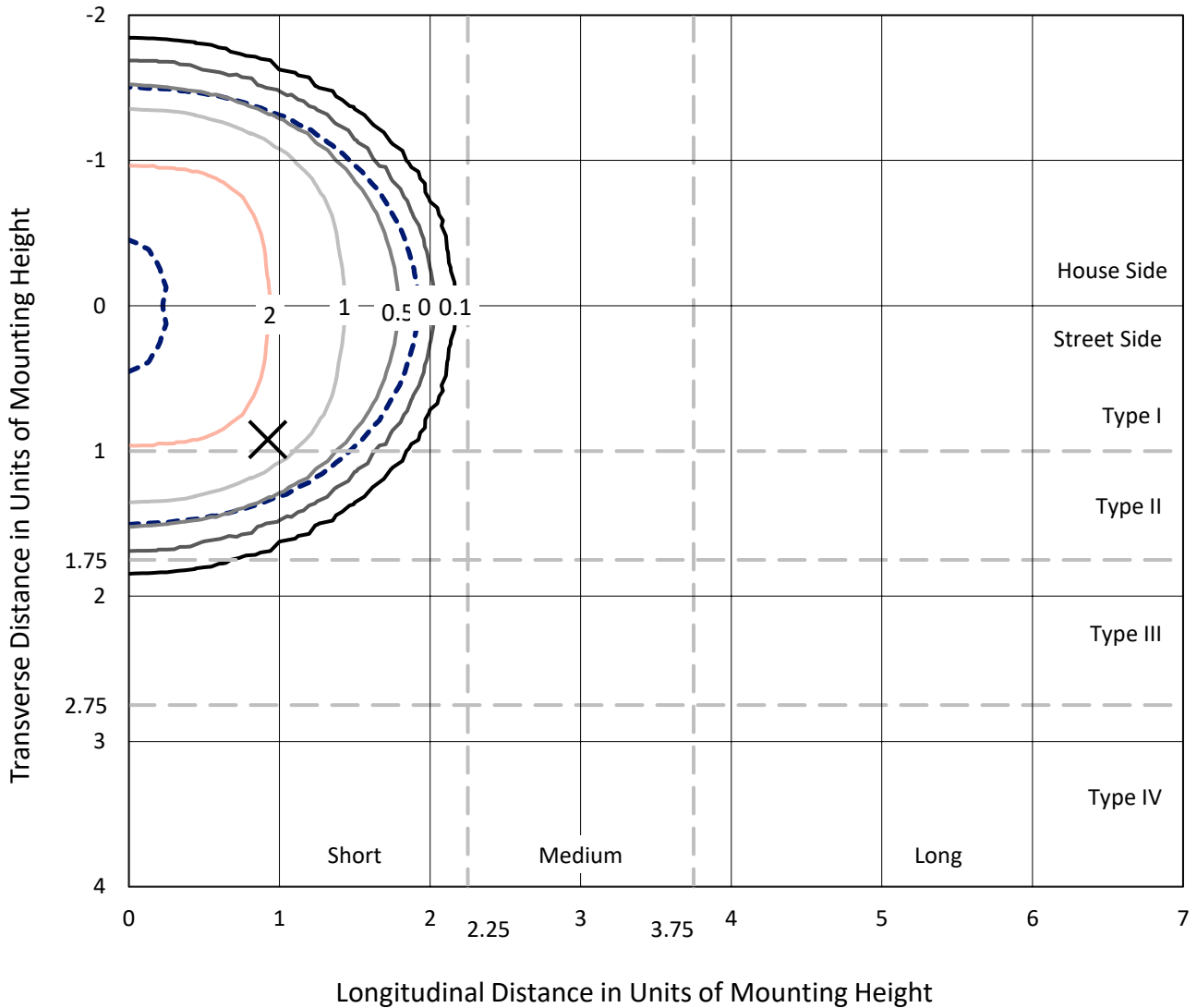
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

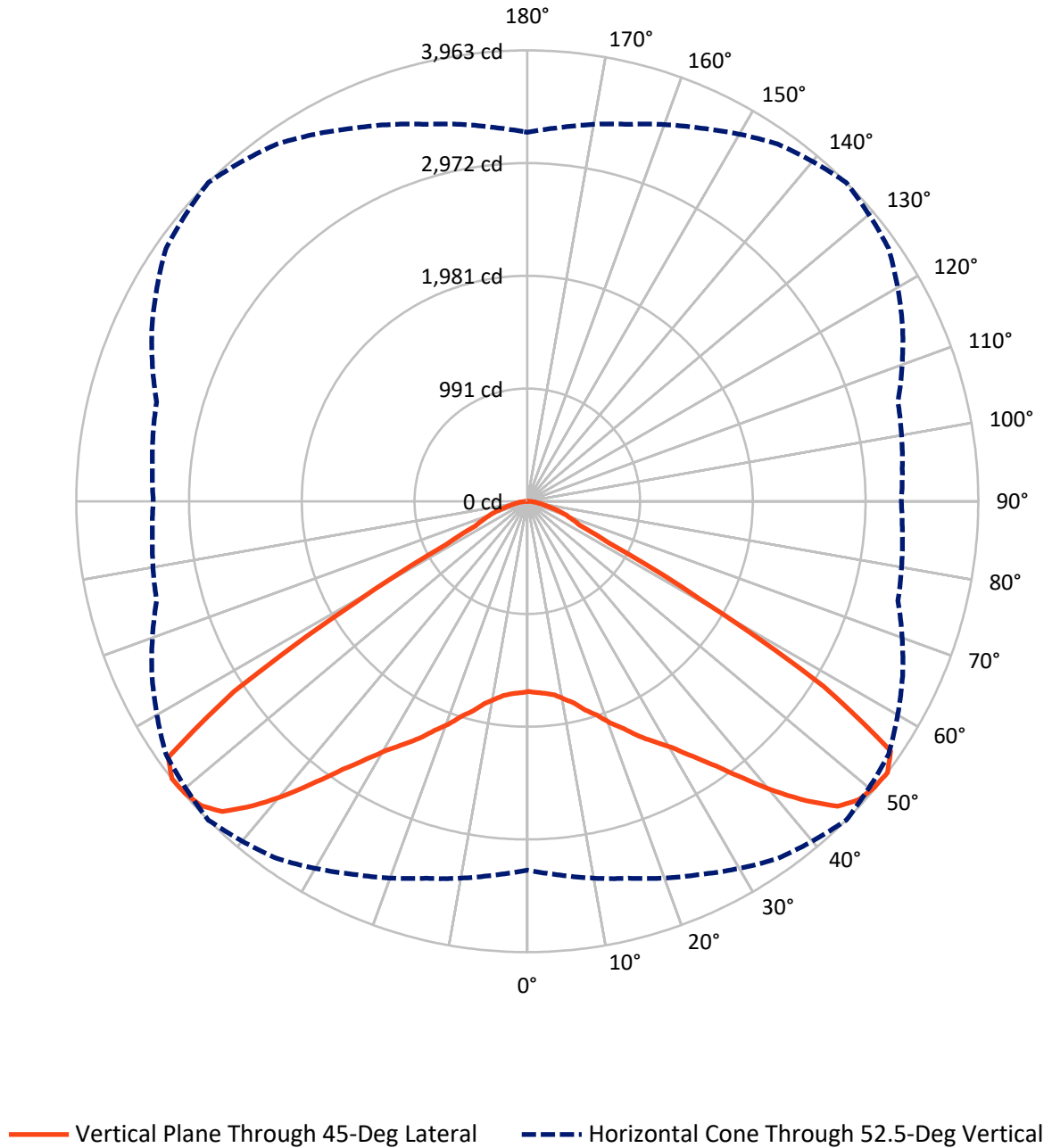
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	5002.0	0.0	5002.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5002.0	0.0	5002.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10004.0	0.0	10004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.3	1.6
10°-20°	539.9	5.4
20°-30°	1027.8	10.3
30°-40°	1764.9	17.6
40°-50°	2712.7	27.1
50°-60°	2754.7	27.5
60°-70°	767.7	7.7
70°-80°	226.5	2.3
80°-90°	45.6	0.5
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°	10004.0	100.0
0°-180°	10004.0	100.0

Coefficient of Utilization



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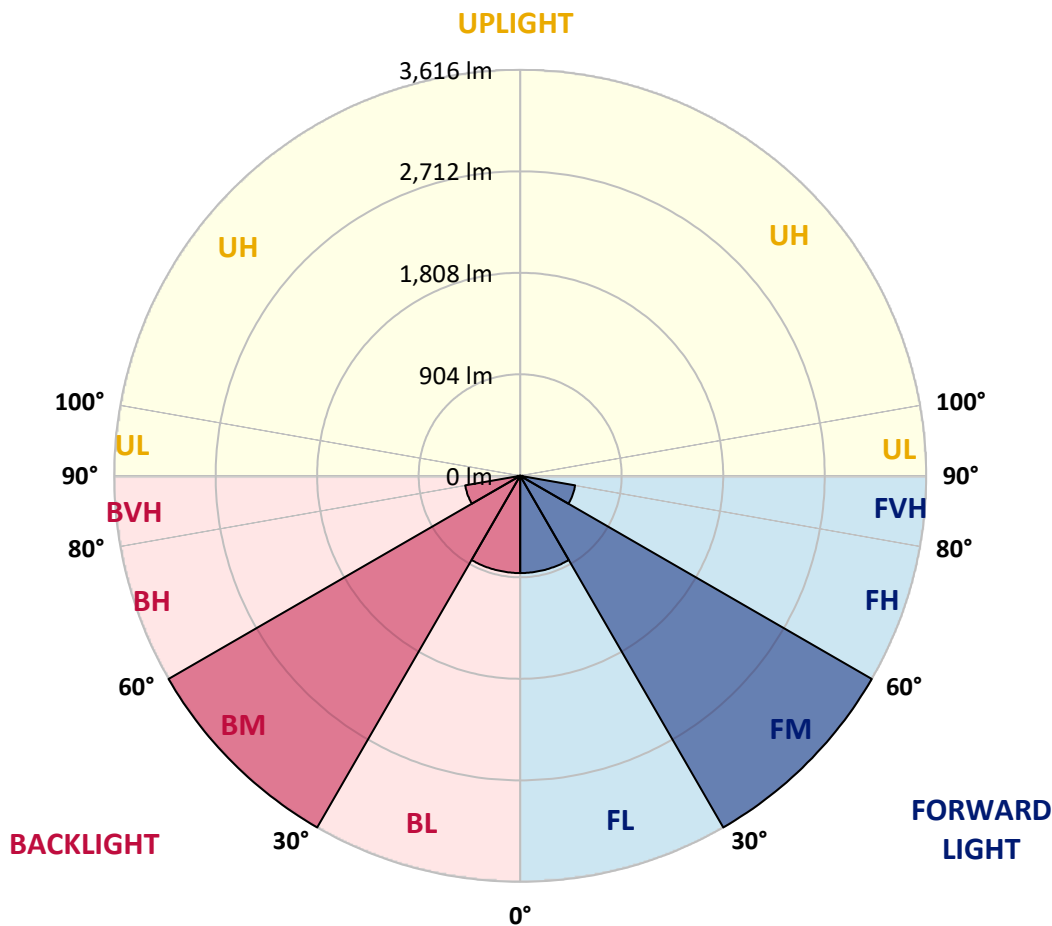
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.0	8.7			
FM (30°-60°)	3616.1	36.1			
FH (60°-80°)	497.1	5.0			G0/660
FVH (80°-90°)	22.8	0.2			G1/100
BL (0°-30°)	866.0	8.7	B2/1000		
BM (30°-60°)	3616.1	36.1	B3/5000		
BH (60°-80°)	497.1	5.0	B1/500		G0/660
BVH (80°-90°)	22.8	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°	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3	1672.3
2.5°	1676.0	1658.6	1664.9	1668.6	1684.7	1683.5	1679.7	1684.7	1689.7	1690.9	1688.4
5°	1674.8	1662.4	1667.3	1671.1	1687.2	1695.9	1693.4	1714.5	1729.4	1725.7	1744.3
7.5°	1664.9	1672.3	1666.1	1684.7	1698.4	1719.5	1741.8	1761.7	1780.3	1801.4	1805.1
10°	1687.2	1687.2	1698.4	1713.3	1749.3	1765.4	1797.7	1826.2	1862.2	1887.1	1877.1
12.5°	1710.8	1714.5	1714.5	1753.0	1782.8	1818.8	1848.6	1887.1	1938.0	1967.8	1982.7
15°	1734.4	1736.9	1749.3	1801.4	1846.1	1903.2	1930.5	1965.3	1993.8	2049.7	2051.0
17.5°	1755.5	1769.1	1806.4	1864.7	1920.6	1975.2	2018.7	2054.7	2079.5	2101.9	2096.9
20°	1834.9	1844.9	1883.4	1941.7	2024.9	2078.3	2093.2	2099.4	2115.5	2160.2	2146.6
22.5°	1911.9	1915.6	1951.6	2041.0	2099.4	2170.1	2186.3	2182.6	2188.8	2199.9	2219.8
25°	1991.4	1997.6	2047.2	2123.0	2204.9	2289.3	2303.0	2274.4	2265.7	2278.2	2279.4
27.5°	2093.2	2094.4	2157.7	2223.5	2316.6	2396.1	2417.2	2394.9	2353.9	2363.8	2380.0
30°	2222.3	2213.6	2276.9	2371.3	2469.3	2514.0	2550.0	2538.9	2494.2	2485.5	2471.8
32.5°	2371.3	2373.7	2430.9	2533.9	2598.5	2672.9	2711.4	2692.8	2664.3	2649.4	2658.1
35°	2581.1	2592.3	2630.7	2716.4	2820.7	2857.9	2918.8	2879.0	2804.5	2823.2	2839.3
37.5°	2753.6	2785.9	2857.9	2959.7	3021.8	3090.1	3112.4	3059.1	3004.4	2982.1	3035.5
40°	3018.1	3008.2	3087.6	3189.4	3281.3	3349.6	3321.0	3267.6	3132.3	3133.5	3148.4
42.5°	3245.3	3250.2	3311.1	3432.7	3558.1	3600.3	3509.7	3379.4	3229.1	3213.0	3245.3
45°	3436.5	3456.3	3491.1	3653.7	3776.6	3822.6	3655.0	3501.0	3299.9	3232.9	3286.3
47.5°	3504.8	3537.0	3612.8	3761.7	3883.4	3920.7	3786.6	3565.6	3365.7	3256.5	3285.0
50°	3514.7	3503.5	3627.7	3764.2	3871.0	3951.7	3833.8	3612.8	3349.6	3292.5	3283.8
52.5°	3242.8	3297.4	3430.3	3617.7	3833.8	3962.9	3876.0	3638.8	3371.9	3307.4	3286.3
55°	2624.5	2560.0	2802.1	3117.4	3514.7	3873.5	3861.1	3652.5	3385.6	3332.2	3303.6
57.5°	1465.0	1483.6	1620.2	1962.8	2475.6	3071.5	3432.7	3508.5	3379.4	3348.3	3363.2
60°	677.9	684.1	742.4	902.6	1220.4	1741.8	2217.3	2700.3	2922.5	2967.2	2967.2
62.5°	505.3	502.8	517.7	546.3	613.3	800.8	1068.9	1452.6	1758.0	1971.5	2027.4
65°	456.9	455.6	463.1	473.0	478.0	504.0	563.6	681.6	780.9	838.0	828.1
67.5°	399.8	398.5	401.0	407.2	415.9	429.6	444.5	469.3	504.0	501.6	495.4
70°	322.8	322.8	326.5	331.5	341.4	357.6	374.9	392.3	422.1	428.3	427.1
72.5°	238.4	234.6	242.1	252.0	262.0	281.8	300.4	316.6	337.7	343.9	341.4
75°	151.5	153.9	158.9	170.1	187.5	201.1	221.0	234.6	248.3	253.3	254.5
77.5°	84.4	86.9	95.6	109.3	126.6	141.5	158.9	170.1	178.8	180.0	181.3
80°	50.9	52.1	60.8	73.2	88.1	104.3	117.9	129.1	136.6	132.8	131.6
82.5°	31.0	32.3	39.7	50.9	63.3	75.7	90.6	100.6	108.0	103.0	98.1
85°	16.1	17.4	23.6	31.0	41.0	47.2	47.2	42.2	41.0	38.5	37.2
87.5°	5.0	5.0	6.2	7.4	6.2	7.4	8.7	9.9	9.9	11.2	9.9
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)