

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: P651777

Luminaire Tested: **GALN-SA3A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651777
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-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 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: 10060.1 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

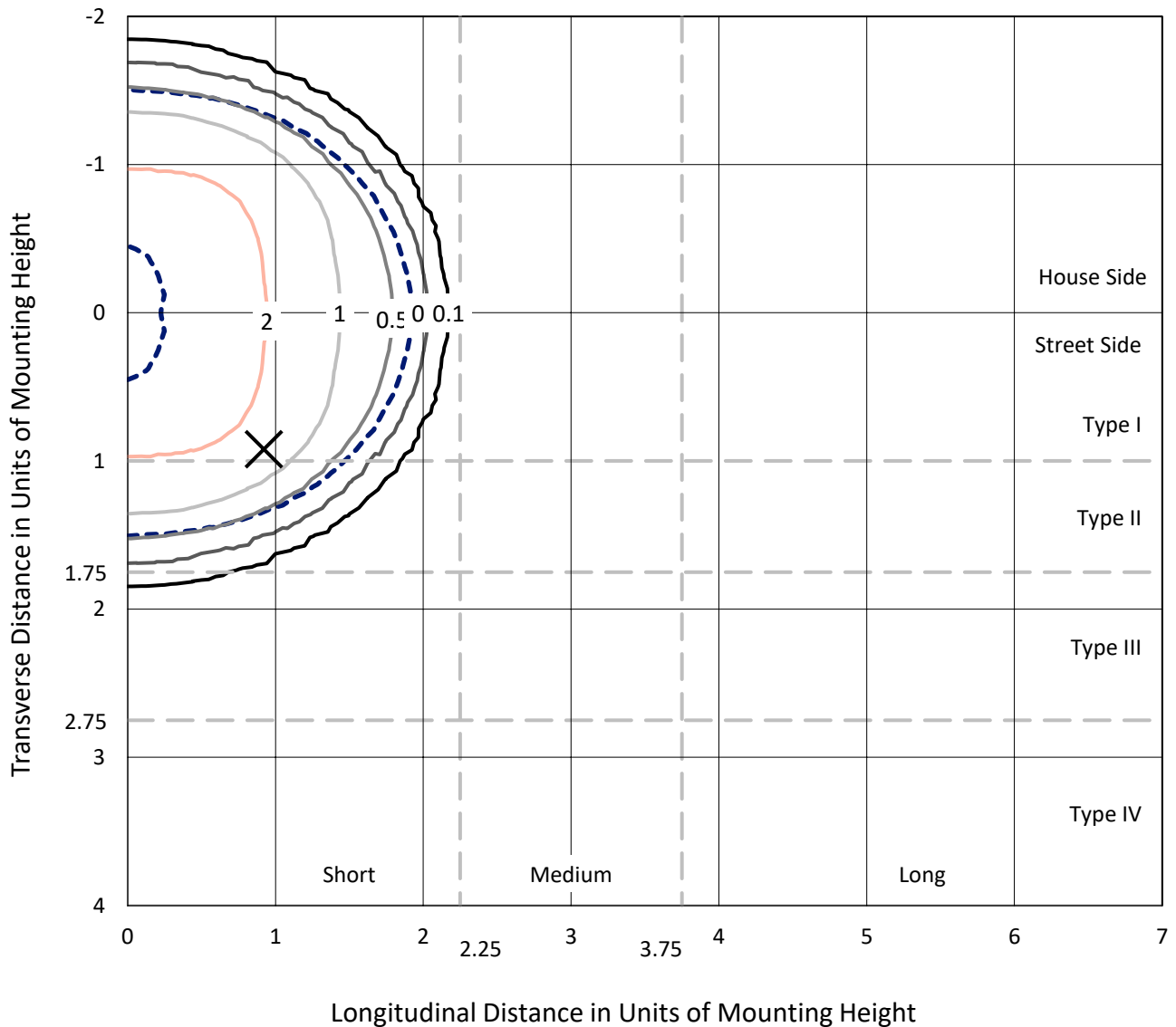
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

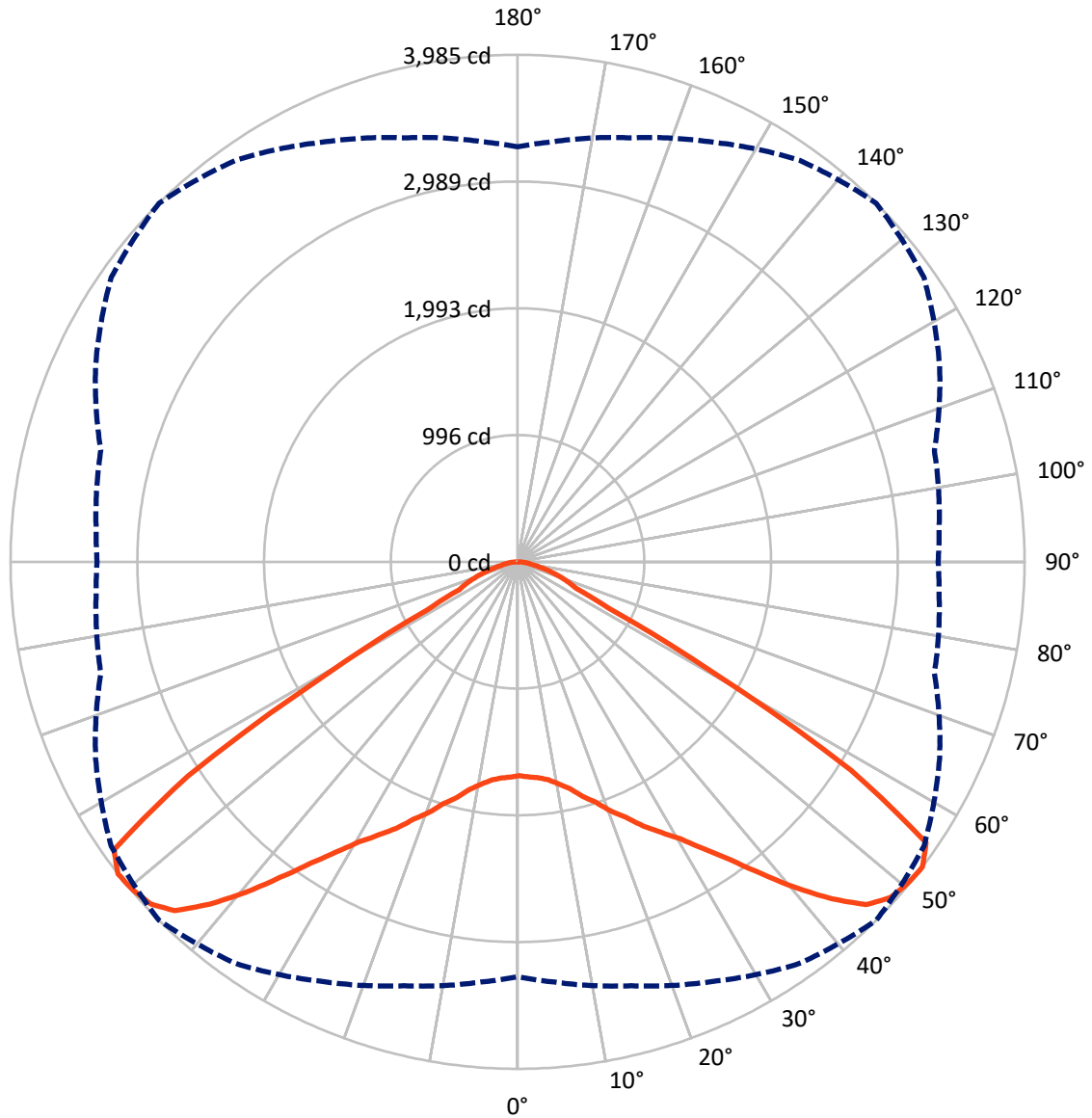
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5030.0	0.0	5030.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5030.0	0.0	5030.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10060.1	0.0	10060.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.2	1.6
10°-20°	542.9	5.4
20°-30°	1033.6	10.3
30°-40°	1774.8	17.6
40°-50°	2727.9	27.1
50°-60°	2770.1	27.5
60°-70°	772.0	7.7
70°-80°	227.7	2.3
80°-90°	45.9	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°	10060.1	100.0
0°-180°	10060.1	100.0

Coefficient of Utilization



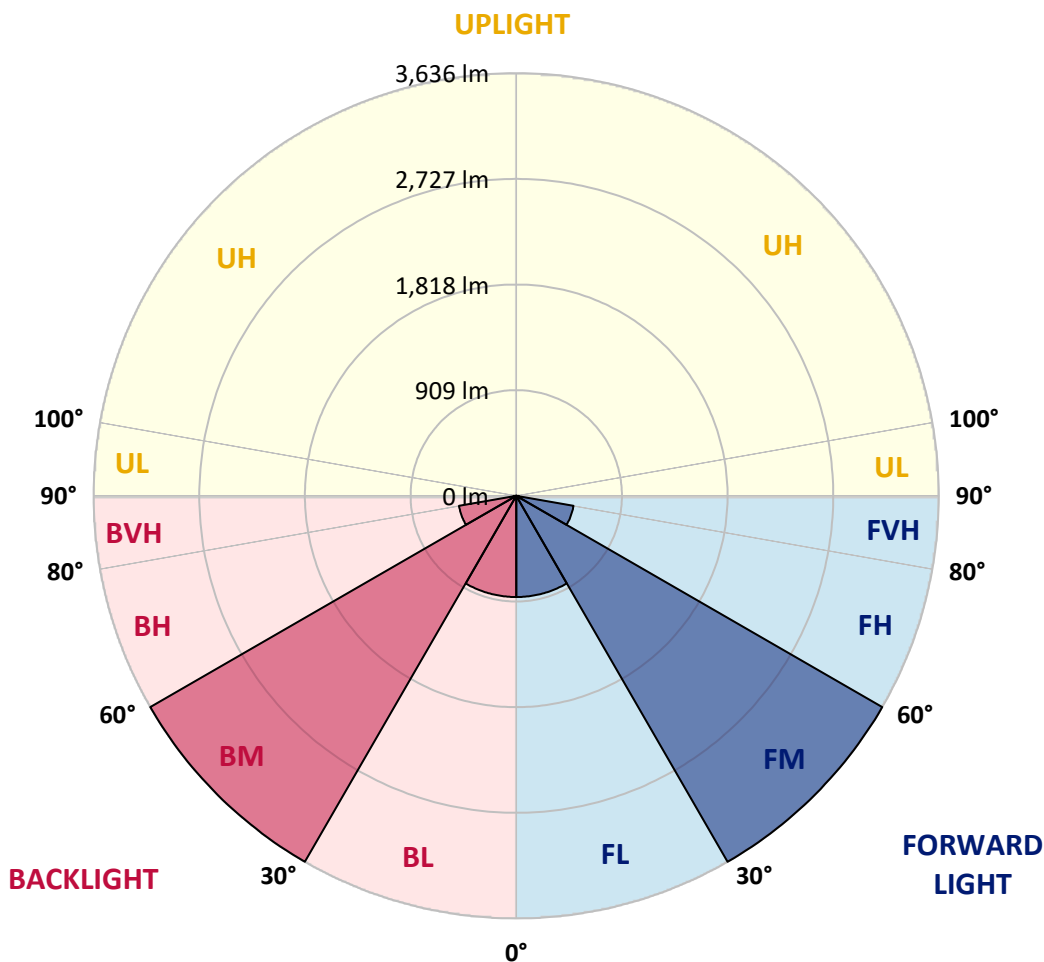
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	870.9	8.7			
FM (30°-60°)	3636.4	36.1			
FH (60°-80°)	499.9	5.0			G0/660
FVH (80°-90°)	22.9	0.2			G1/100
BL (0°-30°)	870.9	8.7	B2/1000		
BM (30°-60°)	3636.4	36.1	B3/5000		
BH (60°-80°)	499.9	5.0	B1/500		G0/660
BVH (80°-90°)	22.9	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°	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7	1681.7
2.5°	1685.4	1668.0	1674.2	1678.0	1694.2	1692.9	1689.1	1694.2	1699.2	1700.4	1697.9
5°	1684.2	1671.7	1676.7	1680.4	1696.6	1705.4	1702.9	1724.1	1739.1	1735.3	1754.1
7.5°	1674.2	1681.7	1675.4	1694.2	1707.9	1729.1	1751.6	1771.6	1790.3	1811.5	1815.2
10°	1696.6	1696.6	1707.9	1722.9	1759.0	1775.3	1807.7	1836.5	1872.7	1897.6	1887.6
12.5°	1720.3	1724.1	1724.1	1762.8	1792.8	1829.0	1858.9	1897.6	1948.8	1978.8	1993.8
15°	1744.1	1746.6	1759.0	1811.5	1856.4	1913.9	1941.4	1976.3	2005.0	2061.2	2062.5
17.5°	1765.3	1779.1	1816.5	1875.2	1931.4	1986.3	2030.0	2066.2	2091.1	2113.6	2108.6
20°	1845.2	1855.2	1893.9	1952.5	2036.2	2089.9	2104.9	2111.2	2127.4	2172.3	2158.6
22.5°	1922.6	1926.4	1962.6	2052.5	2111.2	2182.3	2198.5	2194.8	2201.1	2212.3	2232.3
25°	2002.5	2008.7	2058.7	2134.9	2217.3	2302.2	2315.9	2287.2	2278.4	2290.9	2292.1
27.5°	2104.9	2106.1	2169.8	2236.0	2329.7	2409.5	2430.7	2408.3	2367.1	2377.1	2393.3
30°	2234.7	2226.0	2289.7	2384.6	2483.1	2528.1	2564.3	2553.1	2508.1	2499.4	2485.7
32.5°	2384.6	2387.0	2444.5	2548.1	2613.0	2687.9	2726.6	2707.9	2679.2	2664.2	2673.0
35°	2595.6	2606.8	2645.4	2731.7	2836.5	2873.9	2935.1	2895.1	2820.3	2839.0	2855.2
37.5°	2769.1	2801.5	2873.9	2976.3	3038.7	3107.4	3129.9	3076.2	3021.3	2998.8	3052.5
40°	3035.0	3025.0	3104.9	3207.3	3299.7	3368.3	3339.6	3286.0	3149.9	3151.1	3166.1
42.5°	3263.5	3268.5	3329.6	3452.0	3578.0	3620.5	3529.3	3398.3	3247.3	3231.0	3263.5
45°	3455.8	3475.7	3510.7	3674.2	3797.8	3844.0	3675.4	3520.7	3318.4	3251.0	3304.6
47.5°	3524.4	3556.8	3633.0	3782.8	3905.2	3942.6	3807.8	3585.6	3384.5	3274.7	3303.4
50°	3534.4	3523.1	3648.0	3785.3	3892.7	3973.8	3855.2	3633.0	3368.3	3310.9	3302.2
52.5°	3261.0	3315.9	3449.4	3638.0	3855.2	3985.1	3897.7	3659.2	3390.8	3325.9	3304.6
55°	2639.2	2574.3	2817.8	3134.9	3534.4	3895.2	3882.7	3673.0	3404.5	3350.9	3322.1
57.5°	1473.2	1491.9	1629.3	1973.8	2489.4	3088.7	3452.0	3528.2	3398.3	3367.1	3382.1
60°	681.6	687.9	746.6	907.6	1227.3	1751.6	2229.7	2715.4	2938.9	2983.8	2983.8
62.5°	508.1	505.6	520.6	549.3	616.7	805.3	1074.9	1460.7	1767.8	1982.6	2038.8
65°	459.4	458.2	465.7	475.7	480.6	506.9	566.8	685.4	785.2	842.7	832.8
67.5°	402.0	400.7	403.3	409.5	418.2	431.9	446.9	471.9	506.9	504.3	498.1
70°	324.6	324.6	328.3	333.4	343.3	359.5	377.0	394.5	424.5	430.7	429.5
72.5°	239.7	236.0	243.5	253.5	263.4	283.4	302.1	318.3	339.6	345.8	343.3
75°	152.3	154.8	159.8	171.1	188.6	202.3	222.2	236.0	249.7	254.7	255.9
77.5°	84.9	87.4	96.1	109.8	127.3	142.3	159.8	171.1	179.8	181.1	182.2
80°	51.2	52.4	61.1	73.7	88.6	104.9	118.6	129.9	137.3	133.6	132.4
82.5°	31.2	32.5	39.9	51.2	63.7	76.2	91.2	101.1	108.7	103.6	98.6
85°	16.2	17.5	23.7	31.2	41.2	47.4	47.4	42.5	41.2	38.7	37.4
87.5°	5.0	5.0	6.2	7.5	6.2	7.5	8.7	10.0	10.0	11.3	10.0
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)