

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: P647807

Luminaire Tested: **GALN-SA3A-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647807
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-SA3A-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 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: 9627.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

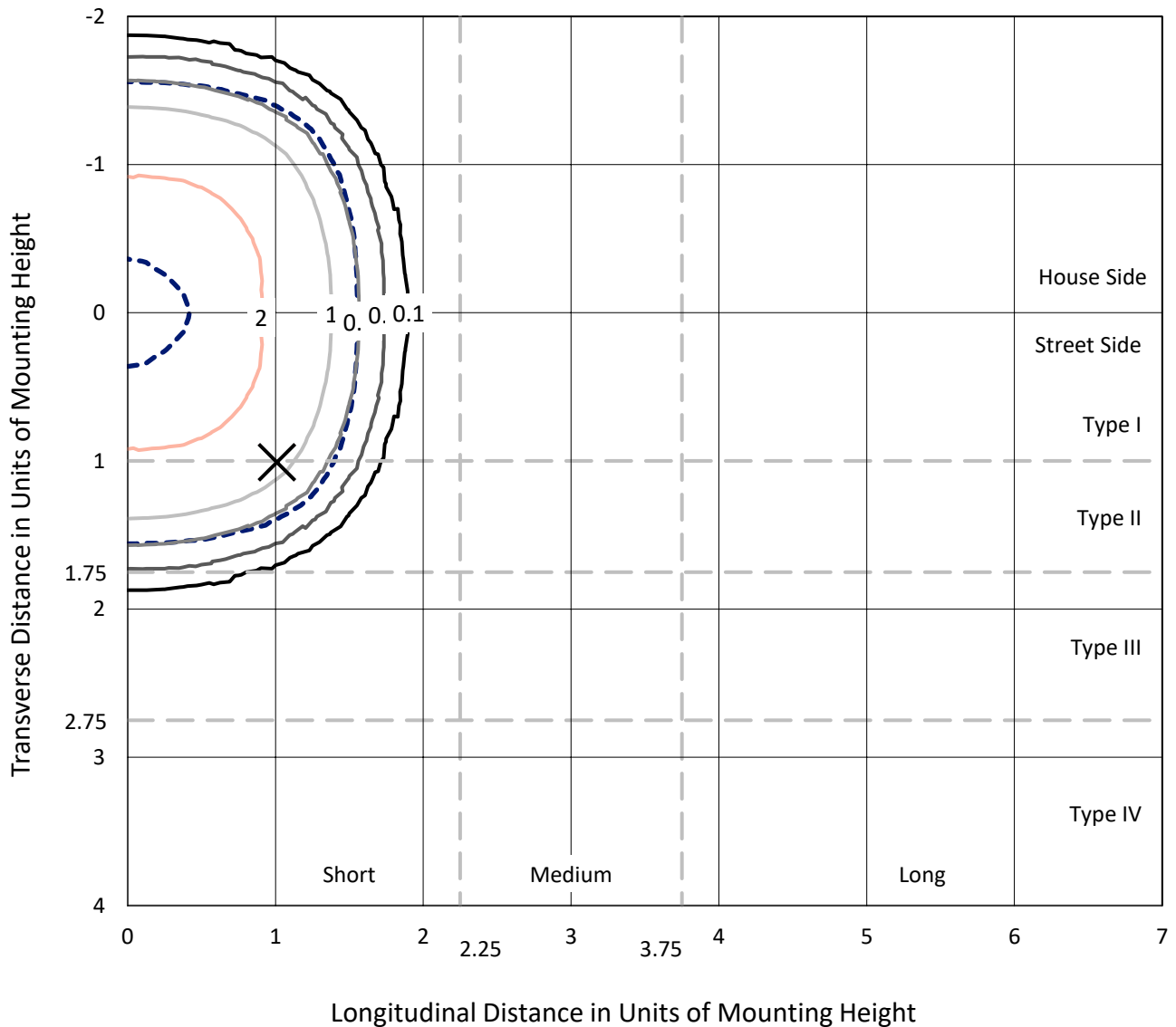
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

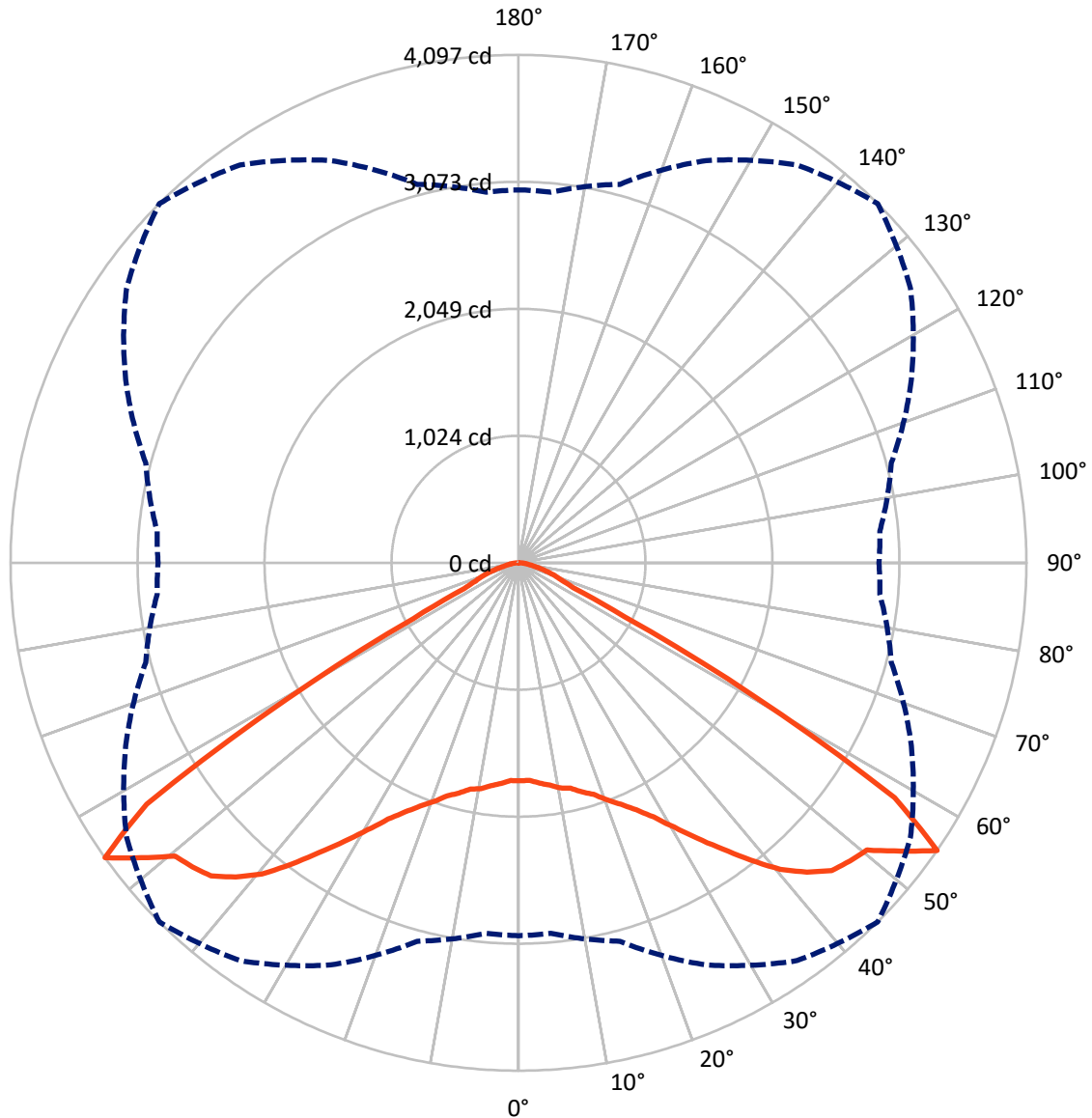
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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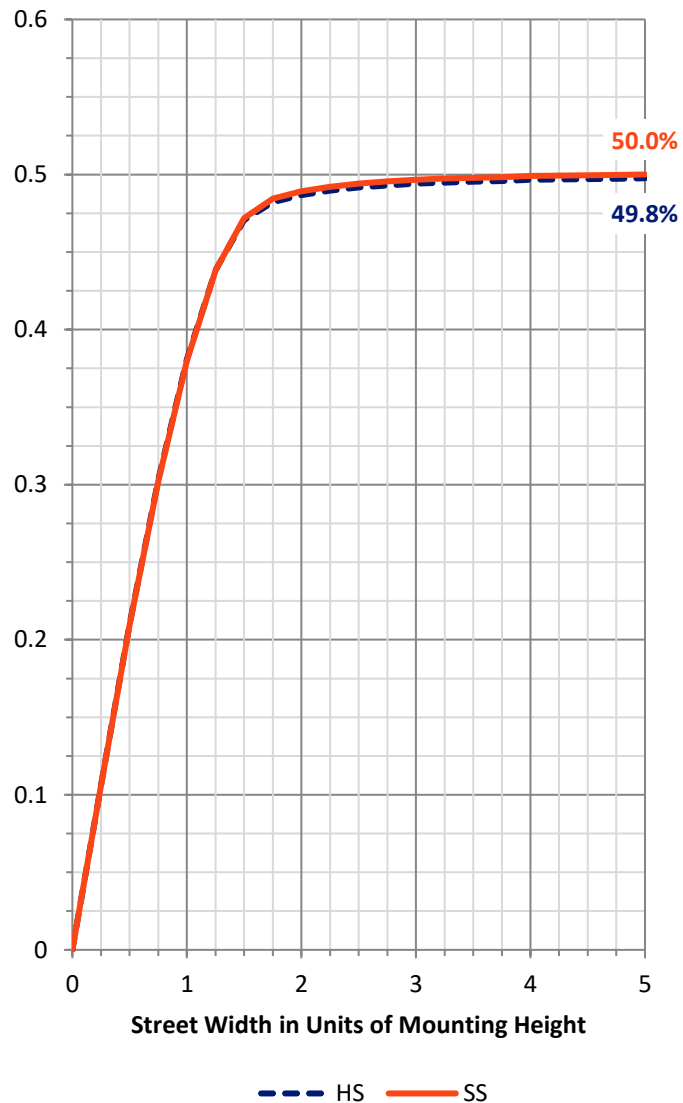
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4813.9	0.0	4813.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4813.9	0.0	4813.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9627.8	0.0	9627.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.8
10°-20°	544.1	5.7
20°-30°	1014.6	10.5
30°-40°	1698.8	17.6
40°-50°	2643.5	27.5
50°-60°	2744.8	28.5
60°-70°	582.1	6.0
70°-80°	191.7	2.0
80°-90°	36.5	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°	9627.8	100.0
0°-180°	9627.8	100.0

Coefficient of Utilization



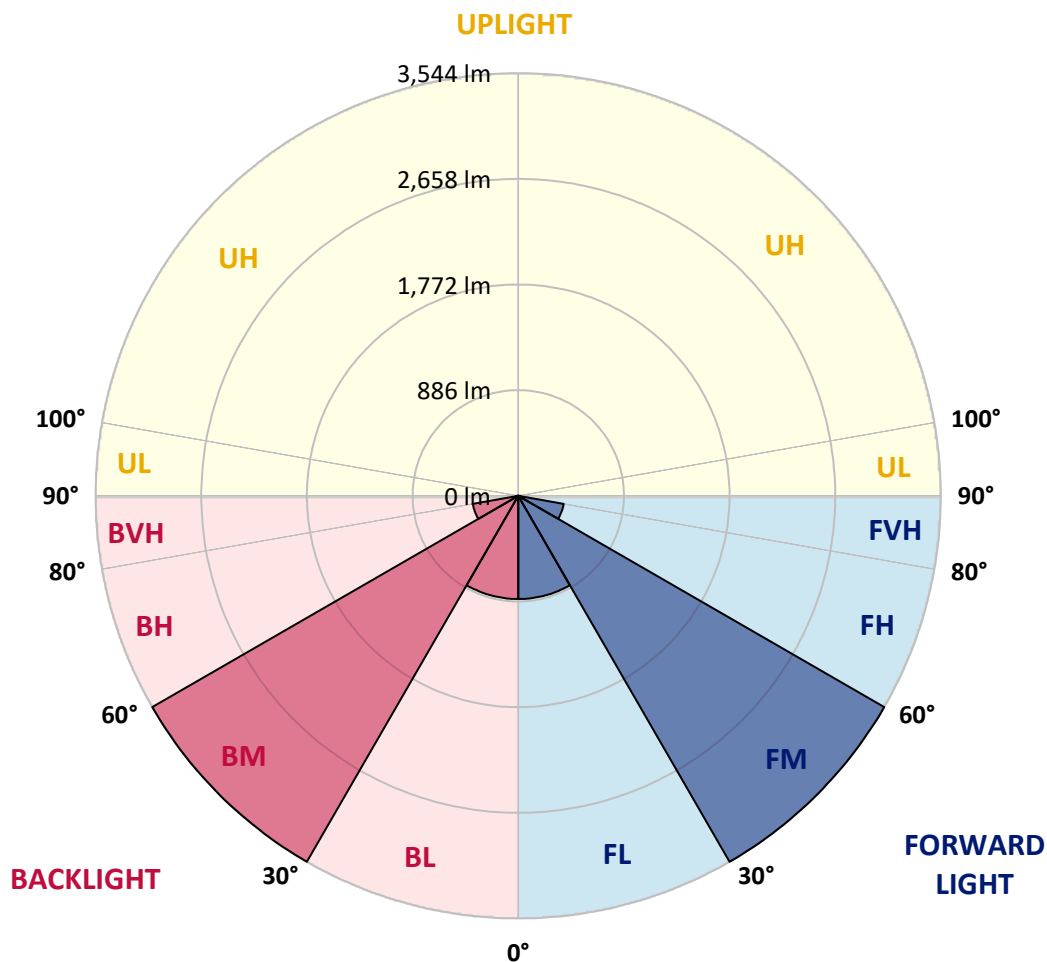
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	865.2	9.0			
FM (30°-60°)	3543.5	36.8			
FH (60°-80°)	386.9	4.0			G0/660
FVH (80°-90°)	18.3	0.2			G1/100
BL (0°-30°)	865.2	9.0	B2/1000		
BM (30°-60°)	3543.5	36.8	B3/5000		
BH (60°-80°)	386.9	4.0	B1/500		G0/660
BVH (80°-90°)	18.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9	1757.9
2.5°	1778.8	1770.7	1756.7	1767.2	1775.4	1757.9	1764.9	1768.3	1766.1	1756.7	1760.2
5°	1804.4	1799.8	1788.1	1796.3	1785.8	1785.8	1778.8	1769.5	1783.5	1781.2	1787.0
7.5°	1804.4	1798.6	1821.9	1806.8	1811.4	1811.4	1799.8	1790.5	1797.5	1787.0	1781.2
10°	1840.5	1848.7	1838.2	1841.6	1839.3	1847.5	1830.0	1824.2	1818.4	1814.9	1807.9
12.5°	1883.5	1877.7	1881.2	1878.9	1887.0	1866.0	1855.6	1842.8	1853.3	1838.2	1848.7
15°	1918.4	1915.0	1918.4	1927.7	1919.6	1918.4	1899.8	1887.0	1870.7	1874.2	1857.9
17.5°	1966.1	1962.7	1963.8	1972.0	1970.8	1964.9	1951.0	1926.6	1920.8	1911.5	1901.0
20°	2037.1	2031.3	2029.0	2032.4	2038.2	2042.9	2015.0	2005.7	1985.9	1970.8	1953.4
22.5°	2097.6	2095.3	2104.5	2089.4	2102.3	2116.2	2089.4	2084.8	2036.0	2027.8	2009.2
25°	2181.4	2177.8	2172.0	2194.1	2209.3	2208.1	2182.5	2156.9	2119.7	2110.4	2110.4
27.5°	2269.8	2250.0	2280.3	2286.0	2312.8	2321.0	2298.9	2261.6	2226.7	2207.0	2211.6
30°	2380.3	2361.7	2368.7	2410.5	2445.5	2475.7	2419.9	2365.2	2316.3	2281.4	2275.6
32.5°	2490.8	2472.2	2493.2	2533.9	2603.7	2649.0	2594.4	2498.9	2441.9	2390.7	2401.2
35°	2580.4	2594.4	2628.1	2689.8	2761.9	2835.2	2747.9	2674.6	2593.2	2536.2	2544.4
37.5°	2724.7	2767.7	2794.4	2865.5	2967.8	3043.4	2952.7	2857.3	2770.0	2695.6	2670.0
40°	2913.2	2942.2	2972.5	3056.2	3177.3	3252.8	3166.8	3042.3	2956.2	2879.4	2875.9
42.5°	3120.3	3148.1	3179.5	3281.9	3354.1	3411.1	3332.0	3265.7	3170.2	3109.8	3106.2
45°	3361.0	3341.3	3376.1	3443.6	3504.2	3541.4	3490.1	3457.6	3389.0	3333.2	3327.3
47.5°	3521.6	3504.2	3567.0	3627.5	3636.8	3596.1	3606.5	3636.8	3564.6	3472.8	3501.8
50°	3614.6	3614.6	3656.5	3712.4	3694.9	3642.6	3725.2	3727.5	3655.4	3573.9	3573.9
52.5°	3453.0	3489.0	3607.7	3790.3	3848.5	3863.6	3845.0	3765.9	3577.4	3411.1	3402.9
55°	3008.5	3000.4	3161.0	3579.8	3918.3	4097.4	3860.1	3496.0	3113.2	2925.9	2907.4
57.5°	1956.8	1966.1	2205.8	2632.8	3243.6	3577.4	3177.3	2665.3	2205.8	1947.6	1972.0
60°	880.7	912.1	1057.5	1376.3	1901.0	2173.2	1905.7	1446.1	1109.9	963.3	976.1
62.5°	506.1	511.9	517.7	614.3	809.7	957.5	841.1	649.2	572.4	546.8	546.8
65°	427.0	423.4	424.6	432.8	453.7	484.0	471.2	453.7	456.0	453.7	450.2
67.5°	363.0	367.6	364.2	370.0	371.1	375.8	383.9	390.9	392.0	394.4	392.0
70°	297.9	299.0	301.3	306.0	307.2	310.6	322.3	328.1	331.6	331.6	336.2
72.5°	228.0	226.8	229.2	233.8	239.7	240.9	251.3	259.4	264.1	258.3	259.4
75°	150.1	151.3	154.7	158.2	166.4	174.5	178.0	186.1	187.3	189.6	183.8
77.5°	89.6	91.9	95.4	102.4	109.4	116.4	124.5	130.3	132.6	130.3	123.3
80°	58.2	58.2	62.8	68.7	76.8	82.6	87.2	91.9	95.4	91.9	89.6
82.5°	36.1	36.1	41.9	48.9	54.7	58.2	65.1	70.9	74.5	72.1	68.7
85°	18.6	19.8	24.4	30.2	34.9	37.2	36.1	32.6	29.0	28.0	25.6
87.5°	5.8	5.8	7.0	7.0	5.8	5.8	7.0	5.8	7.0	7.0	7.0
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)