

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: P646813

Luminaire Tested: **GALN-SA3C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9862.7 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 160
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

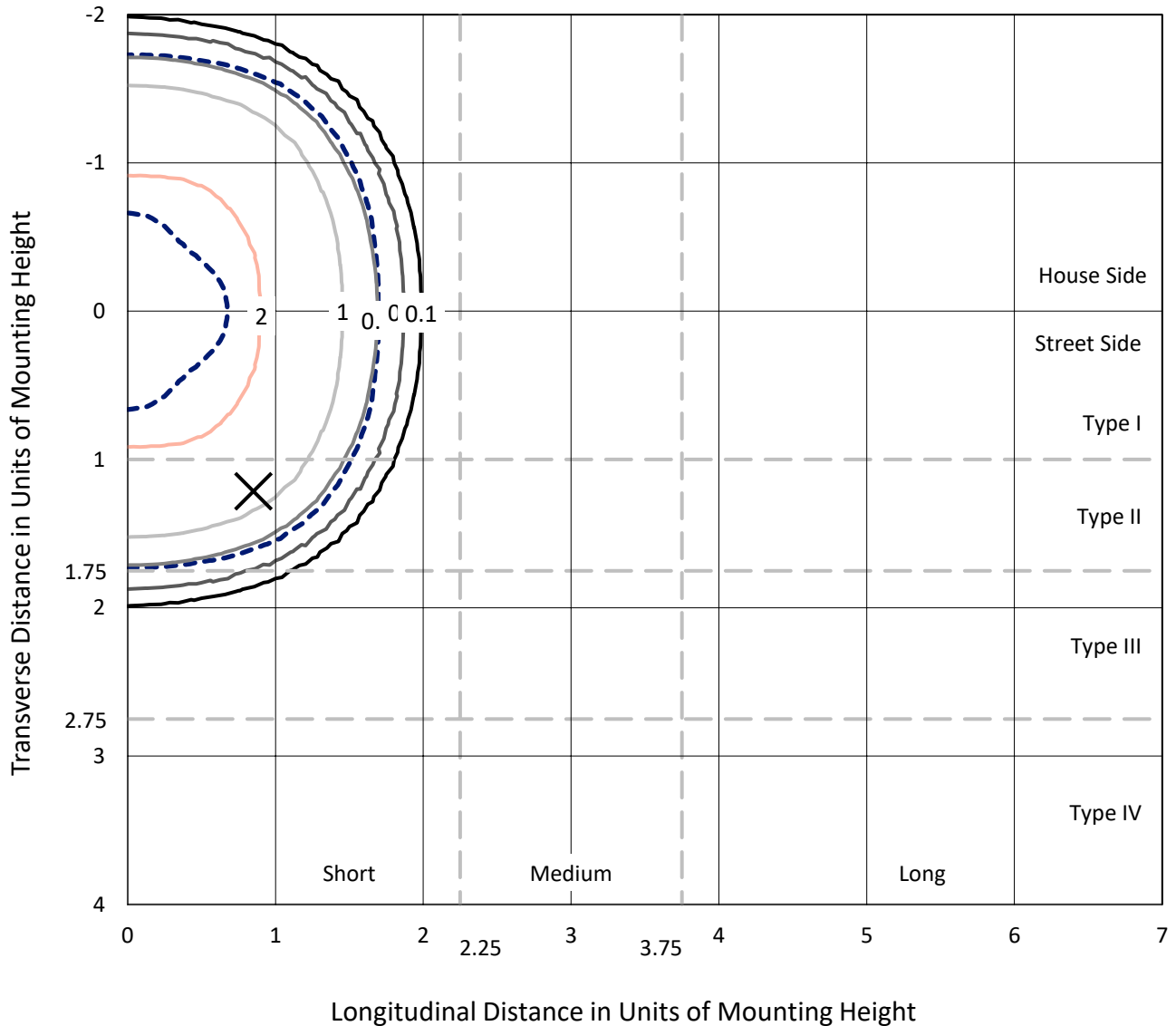




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Iso-Footcandle Lines of Horizontal Illumination

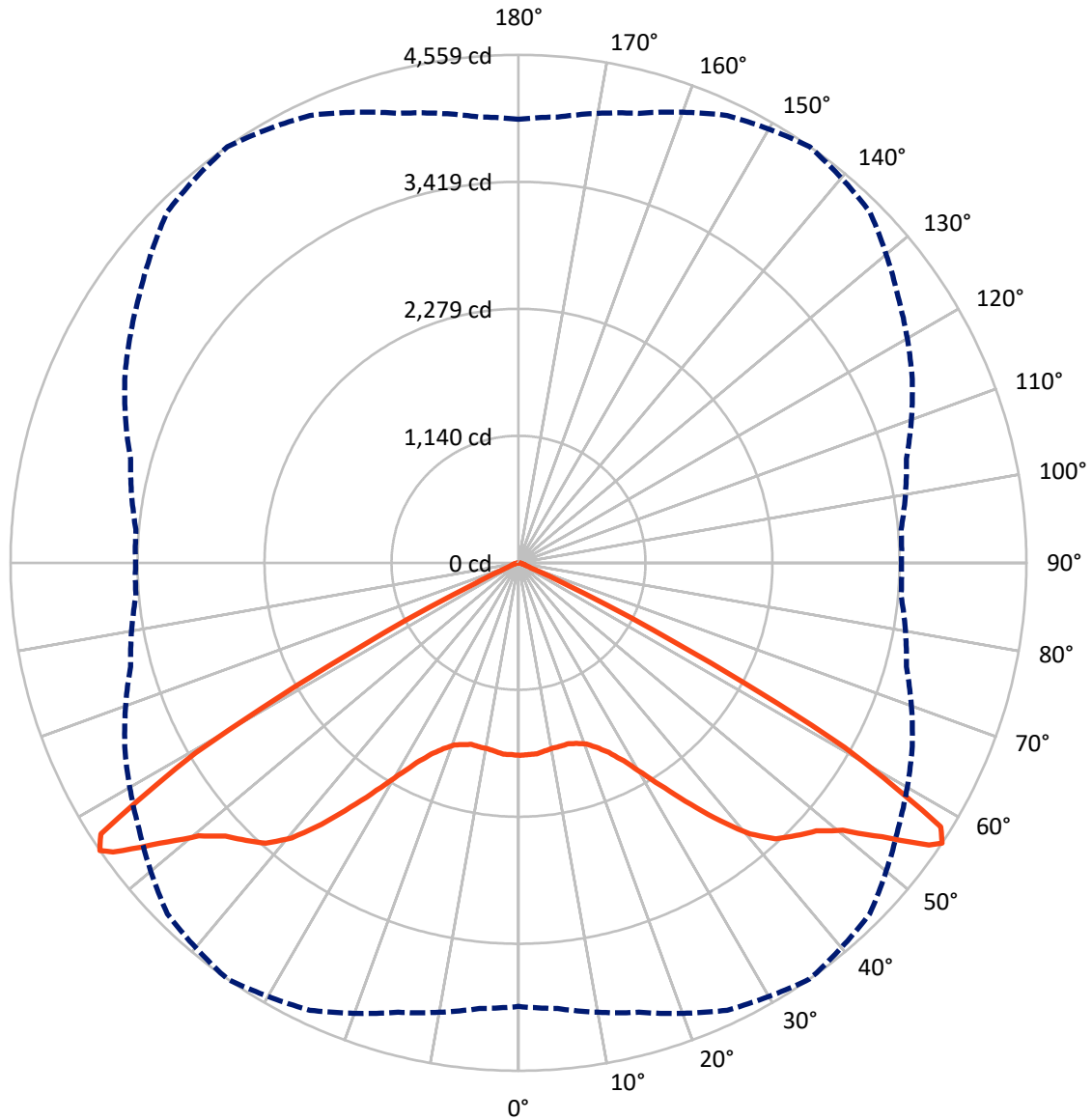
× Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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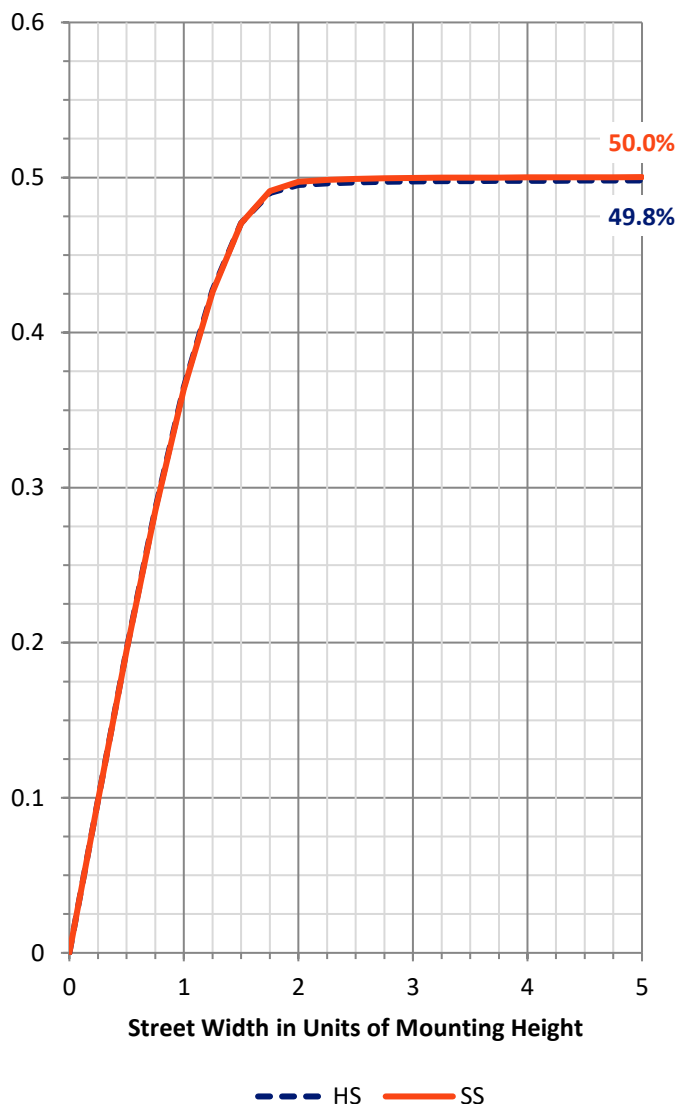
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4931.3	0.0	4931.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4931.3	0.0	4931.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9862.7	0.0	9862.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	1.6
10°-20°	474.2	4.8
20°-30°	858.7	8.7
30°-40°	1592.3	16.1
40°-50°	2613.7	26.5
50°-60°	3367.2	34.1
60°-70°	742.1	7.5
70°-80°	43.1	0.4
80°-90°	9.1	0.1
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°	9862.7	100.0
0°-180°	9862.7	100.0

Coefficient of Utilization

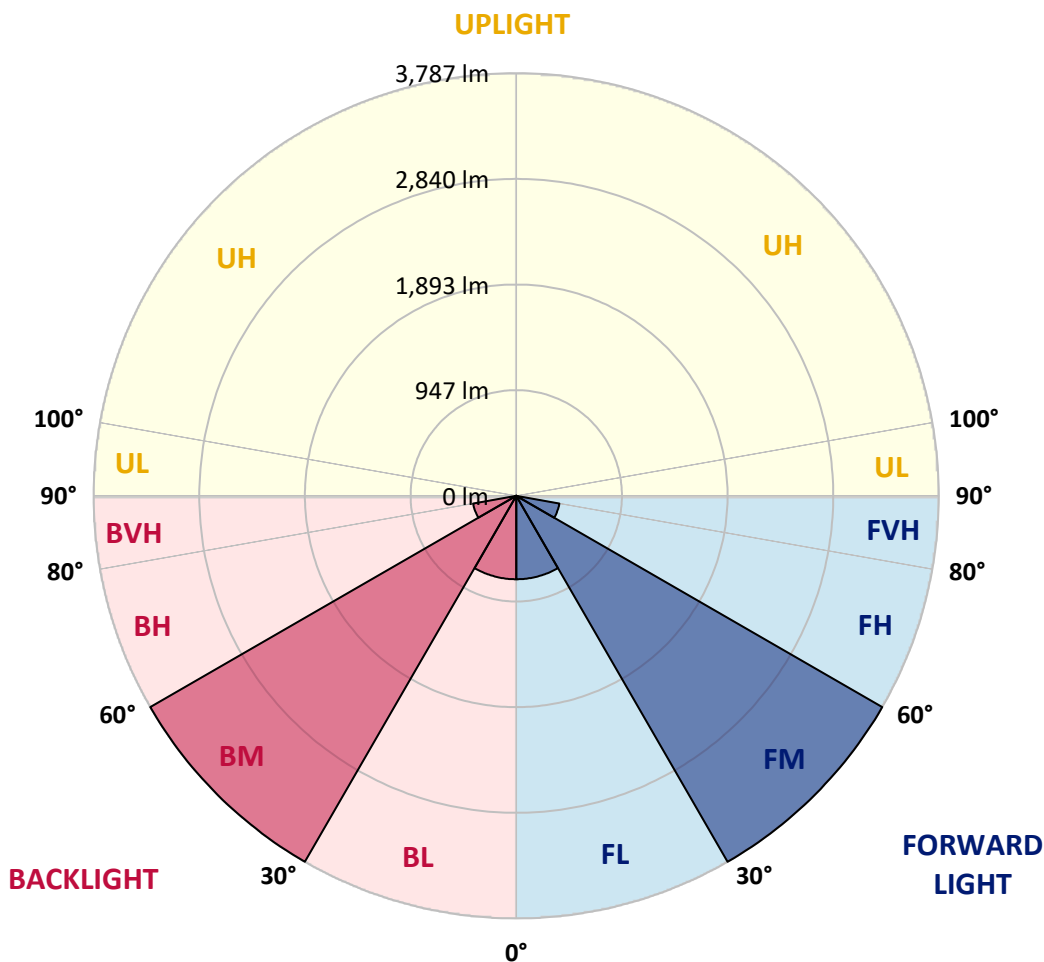


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.6	7.6			
FM (30°-60°)	3786.6	38.4			
FH (60°-80°)	392.6	4.0			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	747.6	7.6	B2/1000		
BM (30°-60°)	3786.6	38.4	B3/5000		
BH (60°-80°)	392.6	4.0	B1/500		G0/660
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2	1728.2
2.5°	1731.8	1731.8	1733.5	1735.3	1722.8	1717.4	1719.2	1715.6	1713.8	1719.2	1719.2
5°	1726.4	1726.4	1721.0	1722.8	1722.8	1706.7	1706.7	1710.3	1710.3	1699.6	1696.0
7.5°	1712.0	1708.5	1701.4	1710.3	1704.9	1704.9	1692.4	1683.4	1679.9	1687.1	1679.9
10°	1681.6	1683.4	1690.7	1694.2	1690.7	1701.4	1679.9	1667.4	1654.9	1649.5	1649.5
12.5°	1667.4	1678.1	1667.4	1676.3	1688.9	1679.9	1667.4	1658.5	1640.6	1633.4	1633.4
15°	1665.6	1672.7	1676.3	1688.9	1683.4	1687.1	1662.0	1651.3	1624.5	1612.0	1606.6
17.5°	1663.8	1672.7	1678.1	1701.4	1704.9	1706.7	1687.1	1654.9	1631.6	1619.2	1606.6
20°	1683.4	1687.1	1697.8	1721.0	1735.3	1760.3	1724.6	1690.7	1640.6	1626.3	1620.9
22.5°	1708.5	1726.4	1737.1	1762.1	1799.6	1821.1	1774.6	1731.8	1679.9	1662.0	1640.6
25°	1788.9	1785.3	1803.2	1855.0	1885.4	1901.5	1864.0	1801.4	1733.5	1712.0	1715.6
27.5°	1889.0	1892.6	1908.6	1965.9	2010.5	2035.6	1990.9	1908.6	1842.6	1806.8	1803.2
30°	2019.4	2015.9	2033.8	2110.6	2191.0	2228.6	2149.9	2053.4	1989.1	1942.6	1953.4
32.5°	2157.1	2158.9	2208.9	2278.6	2409.1	2482.3	2355.4	2237.5	2141.0	2108.8	2092.7
35°	2360.8	2369.7	2409.1	2516.2	2661.0	2755.8	2616.3	2475.1	2364.3	2305.4	2312.5
37.5°	2612.8	2603.9	2670.0	2786.1	2938.1	3007.7	2889.8	2728.9	2616.3	2577.0	2602.1
40°	2880.8	2889.8	2923.7	3029.2	3198.9	3245.5	3070.3	2982.7	2884.4	2864.8	2895.1
42.5°	3148.9	3143.6	3168.6	3263.3	3386.6	3354.5	3250.8	3198.9	3129.3	3090.0	3131.1
45°	3345.5	3336.6	3383.0	3447.4	3492.0	3431.3	3384.8	3367.0	3331.2	3288.3	3325.9
47.5°	3536.7	3529.6	3574.2	3592.1	3595.7	3515.3	3524.2	3556.4	3467.0	3377.7	3420.5
50°	3699.4	3686.8	3742.3	3781.6	3772.7	3643.9	3676.1	3643.9	3504.6	3399.1	3383.0
52.5°	3971.0	3976.4	4035.3	4106.8	4085.4	3978.1	3931.7	3785.1	3606.4	3511.7	3456.3
55°	4142.5	4115.8	4217.6	4444.6	4469.6	4358.8	4153.3	3937.0	3669.0	3552.8	3538.5
56°	3981.7	4015.7	4176.5	4430.3	4558.9	4457.1	4158.7	3899.5	3604.6	3447.4	3436.7
57.5°	3572.4	3554.6	3772.7	4119.4	4469.6	4426.7	4012.1	3631.5	3288.3	3111.4	3090.0
60°	2223.2	2275.0	2466.2	2895.1	3363.4	3384.8	2973.8	2646.7	2246.4	2089.1	2126.7
62.5°	870.3	825.7	945.4	1265.2	1587.0	1658.5	1503.0	1249.2	1025.8	870.3	859.6
65°	201.9	196.6	221.6	305.6	427.1	495.0	470.0	337.8	248.4	235.9	218.1
67.5°	114.4	114.4	109.0	109.0	119.7	126.9	121.5	119.7	125.1	130.4	128.6
70°	80.4	78.6	75.1	76.8	73.3	73.3	78.6	87.5	94.7	94.7	96.5
72.5°	48.2	48.2	48.2	53.6	53.6	53.6	59.0	66.1	67.9	66.1	64.4
75°	21.5	21.5	25.1	30.4	34.0	35.7	41.1	44.7	48.2	44.7	41.1
77.5°	5.3	5.3	8.9	12.5	16.1	19.7	26.8	32.2	34.0	32.2	26.8
80°	1.8	1.8	3.6	8.9	16.1	19.7	26.8	28.6	30.4	26.8	21.5
82.5°	1.8	1.8	3.6	8.9	12.5	16.1	21.5	25.1	26.8	23.3	21.5
85°	0.0	1.8	3.6	7.1	10.7	14.3	14.3	10.7	8.9	5.3	7.1
87.5°	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)