

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: P646826

Luminaire Tested: **GALN-SA3C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10619.8 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

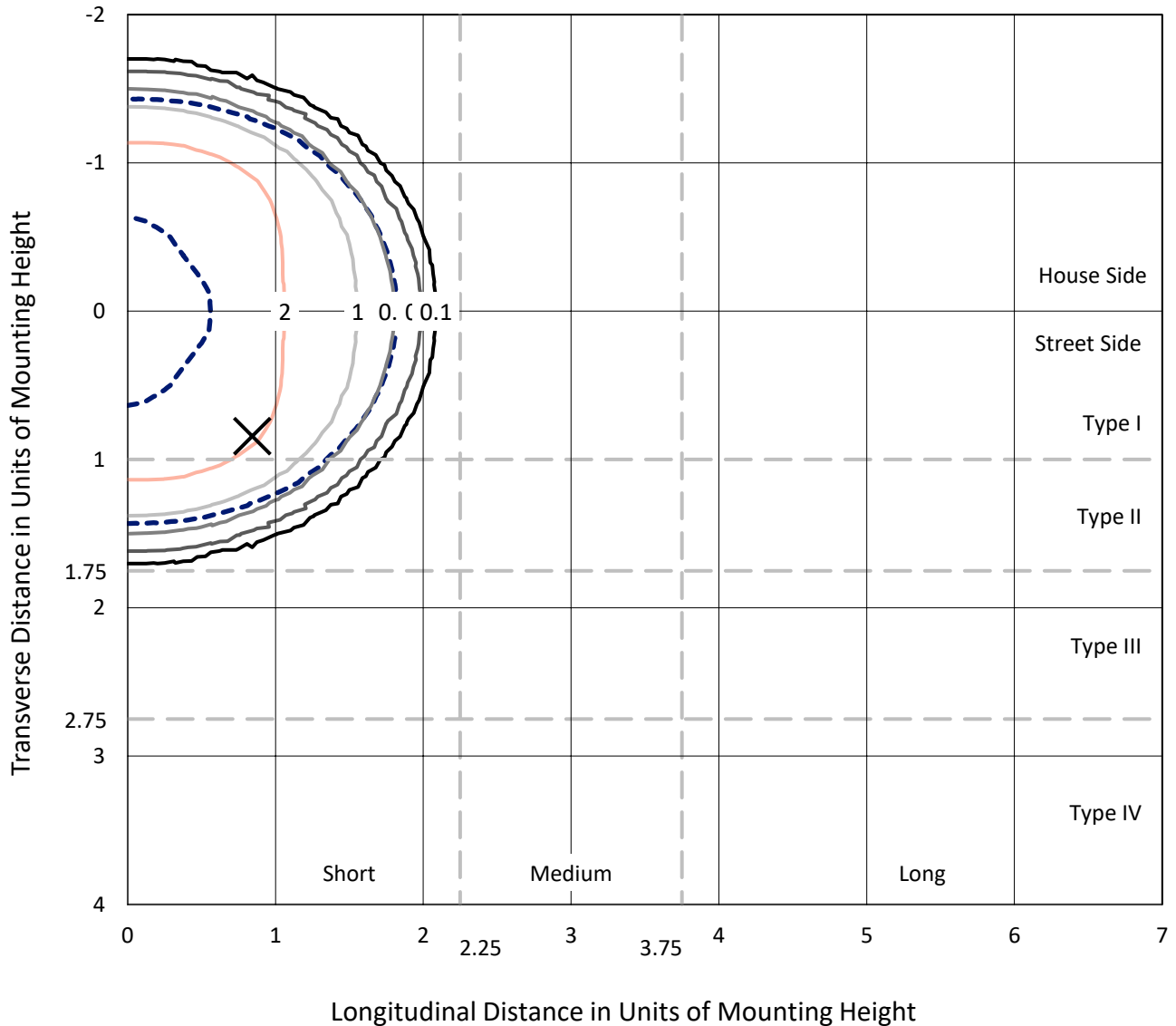
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

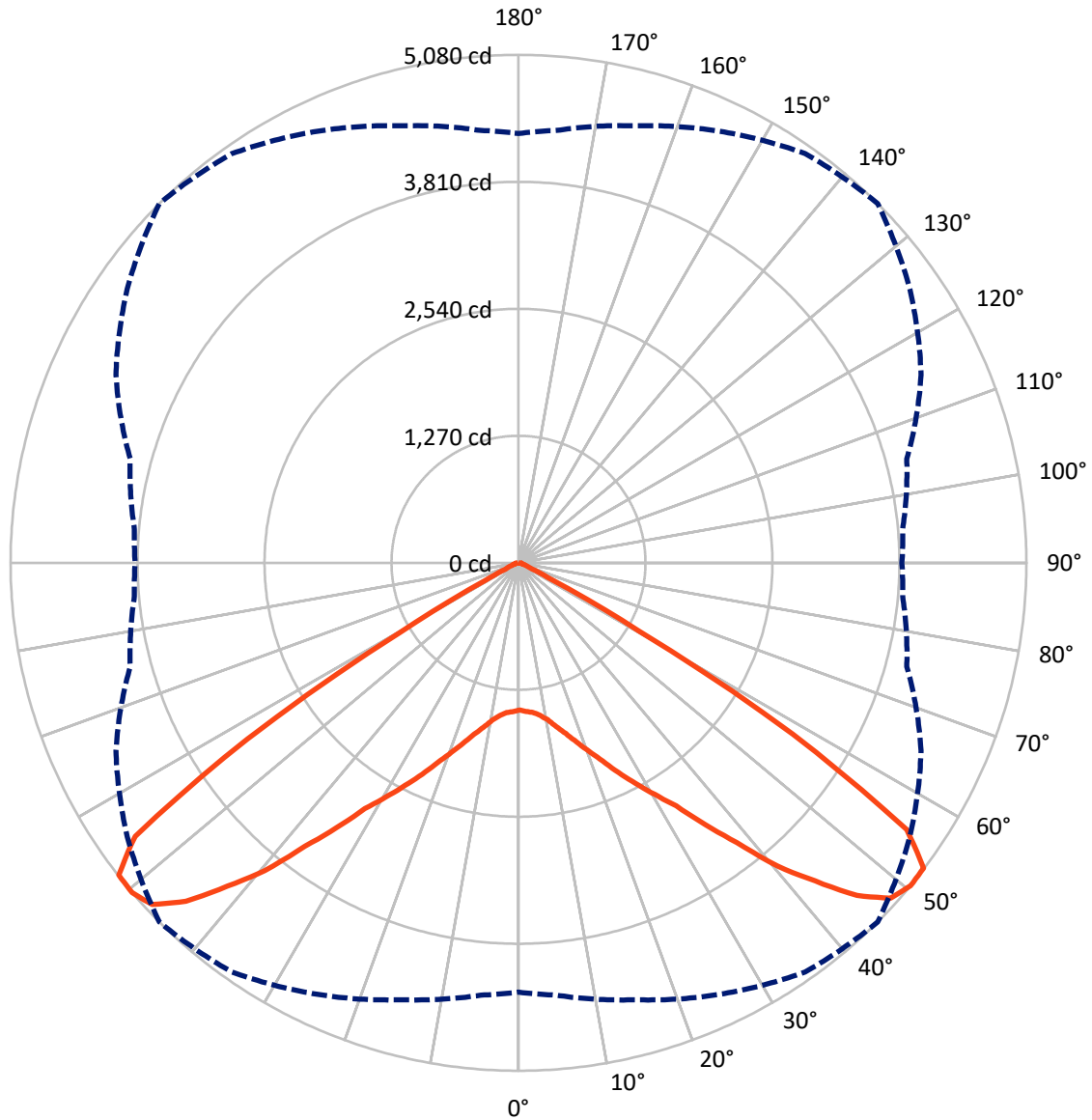
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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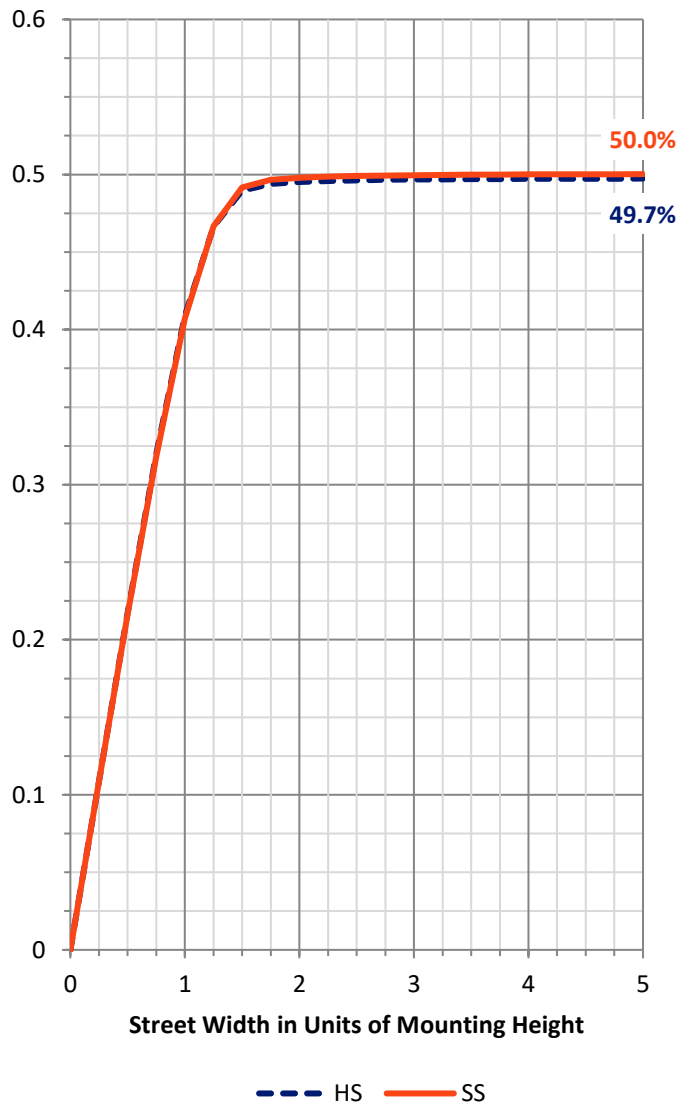
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5309.9	0.0	5309.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5309.9	0.0	5309.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10619.8	0.0	10619.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.4
10°-20°	504.8	4.8
20°-30°	1031.1	9.7
30°-40°	1966.2	18.5
40°-50°	3313.4	31.2
50°-60°	3159.9	29.8
60°-70°	441.1	4.2
70°-80°	42.2	0.4
80°-90°	14.6	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°	10619.8	100.0
0°-180°	10619.8	100.0

Coefficient of Utilization

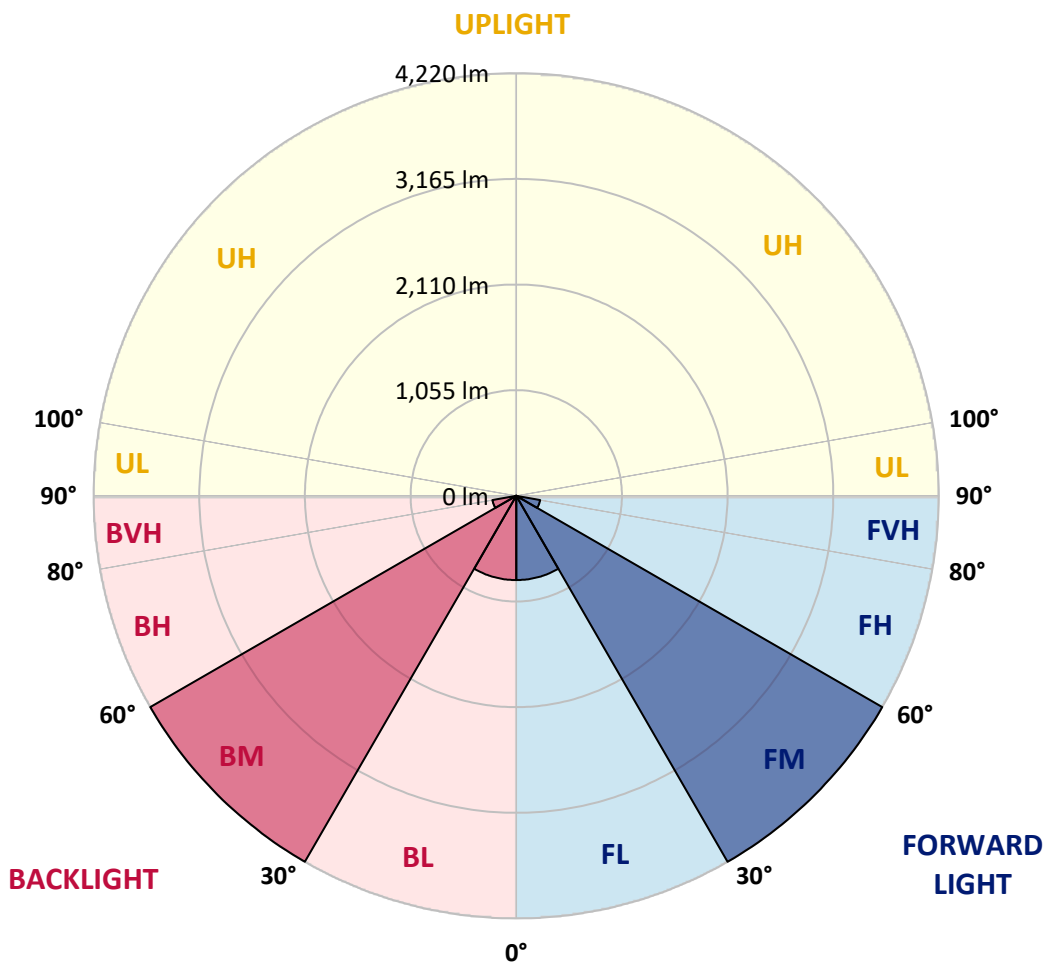


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.2	7.9			
FM (30°-60°)	4219.8	39.7			
FH (60°-80°)	241.7	2.3			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	841.2	7.9	B2/1000		
BM (30°-60°)	4219.8	39.7	B3/5000		
BH (60°-80°)	241.7	2.3	B1/500		G0/660
BVH (80°-90°)	7.3	0.1			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°	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4
2.5°	1467.0	1467.0	1465.1	1479.5	1472.4	1488.4	1486.6	1492.0	1497.3	1495.5	1509.9
5°	1454.4	1452.7	1452.7	1468.8	1484.8	1502.7	1518.8	1529.5	1547.4	1547.4	1565.2
7.5°	1467.0	1458.0	1470.6	1477.7	1508.1	1538.4	1565.2	1586.7	1627.8	1642.0	1636.7
10°	1470.6	1481.3	1490.2	1511.7	1549.2	1595.6	1618.9	1672.4	1718.9	1751.1	1758.2
12.5°	1493.7	1509.9	1534.8	1586.7	1620.7	1681.4	1713.5	1765.4	1829.7	1865.4	1890.4
15°	1538.4	1543.8	1575.9	1642.0	1715.3	1770.8	1820.7	1858.3	1920.8	1961.9	1963.7
17.5°	1595.6	1618.9	1663.5	1726.0	1802.9	1885.1	1924.4	1965.5	1988.7	2044.1	2056.6
20°	1710.0	1713.5	1756.4	1838.6	1935.1	2010.1	2038.8	2060.2	2051.2	2108.4	2119.1
22.5°	1817.2	1820.7	1874.3	1985.1	2088.7	2153.1	2165.6	2153.1	2126.3	2167.4	2170.9
25°	1926.2	1958.4	1997.7	2108.4	2237.1	2322.8	2324.6	2290.7	2235.3	2242.4	2260.3
27.5°	2095.9	2119.1	2160.2	2262.1	2403.3	2499.7	2483.7	2442.6	2371.1	2376.4	2371.1
30°	2294.3	2315.7	2349.6	2480.1	2583.7	2689.1	2712.4	2673.1	2565.8	2542.6	2569.4
32.5°	2533.7	2564.1	2626.6	2746.3	2833.8	2898.2	2914.2	2900.0	2799.9	2791.0	2808.9
35°	2824.9	2866.0	2923.2	3028.6	3100.1	3216.3	3216.3	3168.0	3076.9	3087.6	3085.8
37.5°	3132.2	3193.0	3282.3	3389.5	3486.1	3548.6	3528.9	3487.8	3396.7	3373.5	3396.7
40°	3518.2	3548.6	3661.2	3800.5	3918.4	3989.9	3905.9	3816.6	3598.6	3632.6	3695.1
42.5°	3870.2	3918.4	4004.2	4157.9	4291.9	4350.8	4250.8	4073.9	3811.3	3784.5	3830.9
45°	4170.4	4222.2	4334.8	4554.6	4695.7	4747.6	4526.0	4240.1	3939.9	3872.0	3891.7
47.5°	4370.5	4397.3	4554.6	4763.6	4892.3	5010.2	4692.1	4354.4	4000.7	3872.0	3864.8
50°	4293.7	4340.2	4524.2	4761.8	4995.9	5079.9	4776.1	4442.0	4020.3	3855.9	3834.5
52.5°	3813.1	3893.5	4098.9	4418.8	4772.5	5072.7	4892.3	4413.4	4013.2	3872.0	3904.2
55°	2653.4	2655.2	2905.3	3377.1	4002.5	4710.0	4722.5	4445.6	4059.6	3972.1	3973.8
57.5°	1066.7	1120.3	1311.5	1785.0	2362.2	3234.1	3845.2	4123.9	4064.9	4043.5	4098.9
60°	269.8	271.6	330.6	503.9	830.8	1386.5	2013.7	2724.8	3137.6	3278.8	3298.5
62.5°	137.6	139.4	153.7	178.7	226.9	371.7	661.1	1048.8	1492.0	1717.1	1776.1
65°	112.6	112.6	121.5	134.0	135.8	143.0	171.6	244.8	355.6	403.8	409.2
67.5°	85.7	85.7	92.9	100.1	103.7	101.9	98.3	101.9	123.3	117.9	114.3
70°	53.6	55.4	59.0	66.1	69.7	71.5	73.3	76.8	87.5	91.1	87.5
72.5°	32.2	32.2	34.0	39.3	44.6	48.2	53.6	57.2	62.6	71.5	69.7
75°	14.3	14.3	17.9	23.3	28.6	34.0	39.3	44.6	48.2	53.6	55.4
77.5°	3.6	5.3	8.9	16.1	21.5	28.6	35.7	41.1	44.6	44.6	42.9
80°	1.8	1.8	7.1	12.5	23.3	30.4	39.3	42.9	48.2	44.6	39.3
82.5°	1.8	1.8	7.1	12.5	21.5	30.4	41.1	46.4	50.0	44.6	37.5
85°	0.0	1.8	5.3	10.7	17.9	21.5	17.9	12.5	7.1	7.1	5.3
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)