

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: P528437

Luminaire Tested: **GALN-SA3C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528437
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-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 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: 12635 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

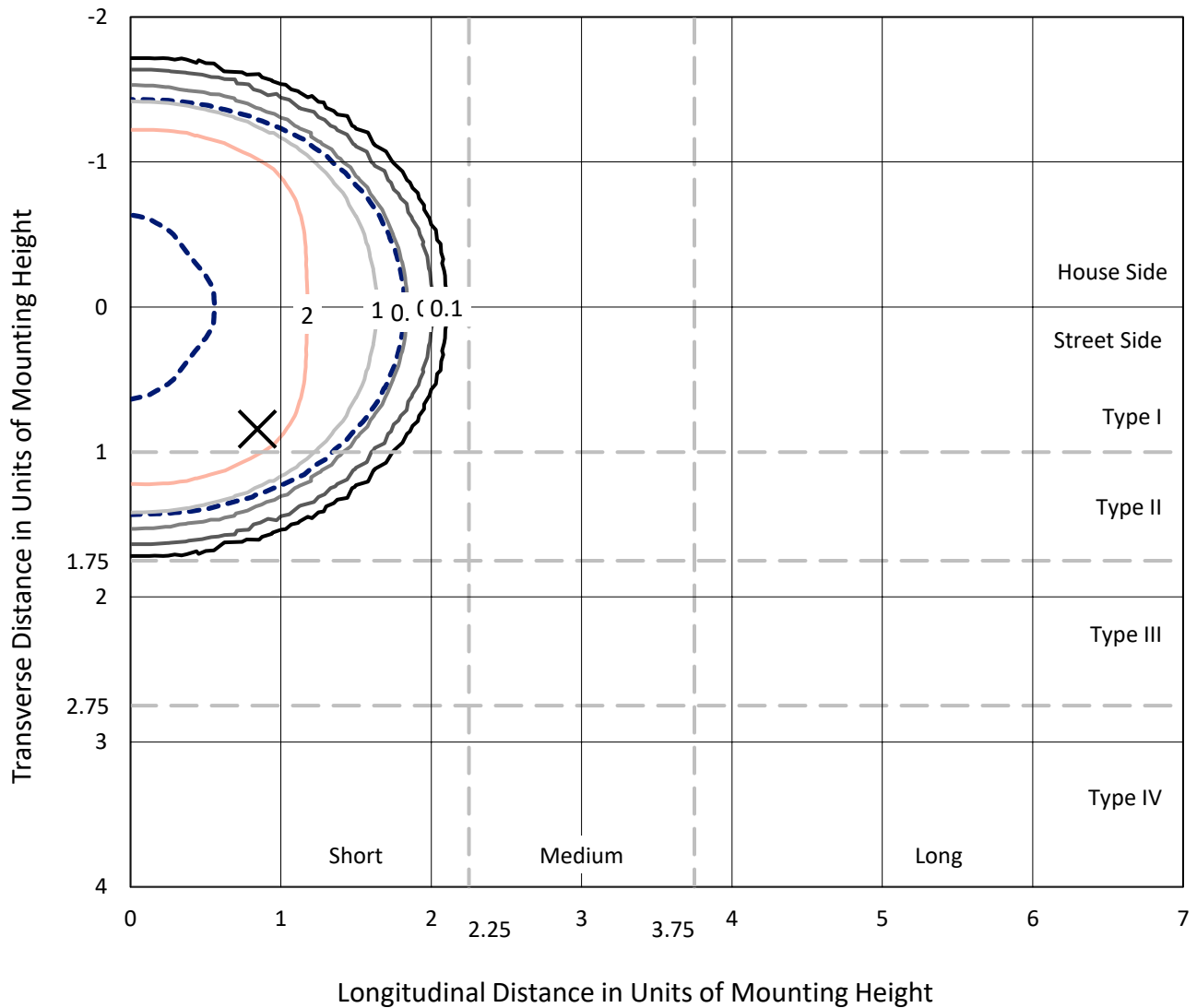
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

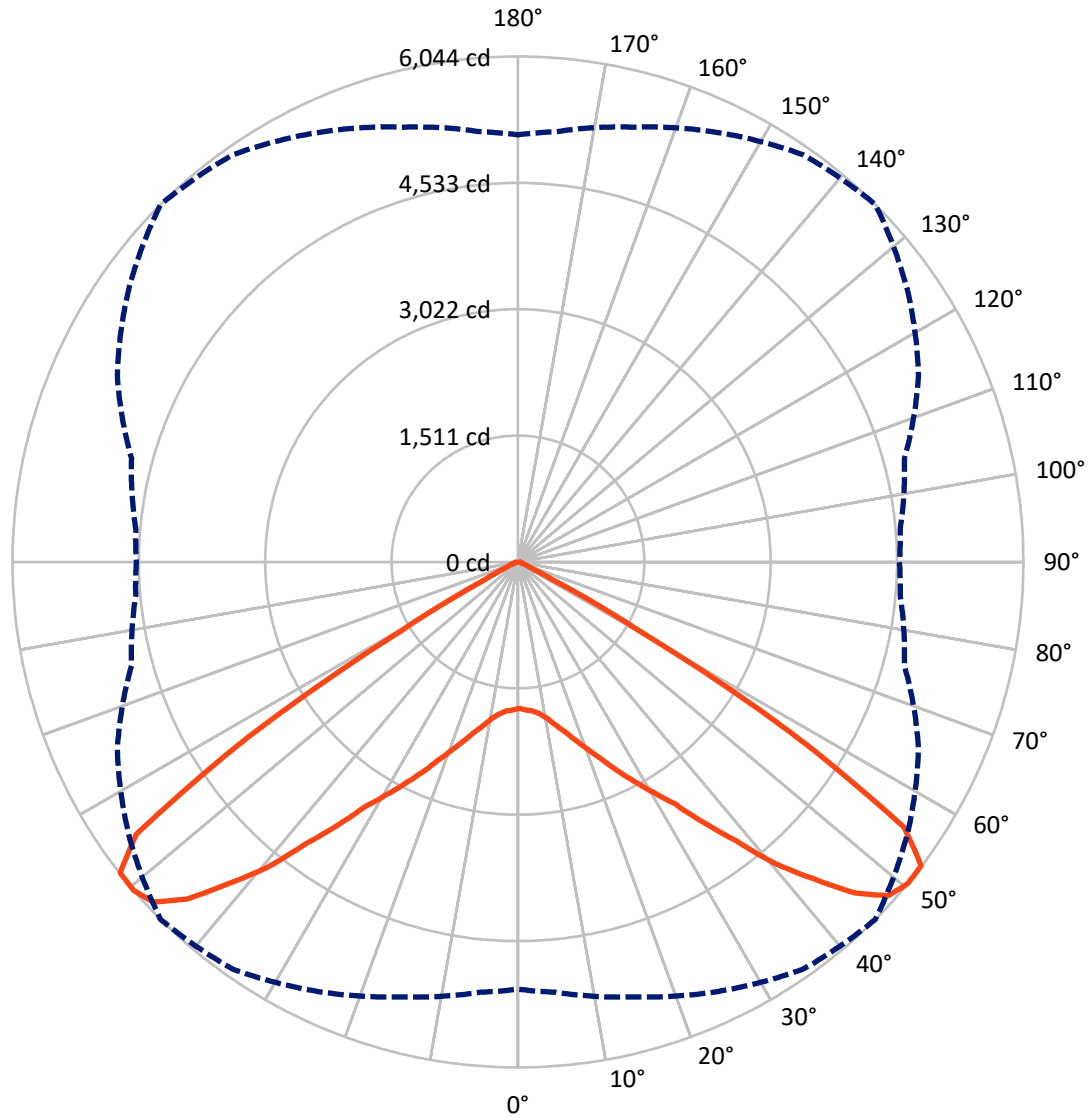
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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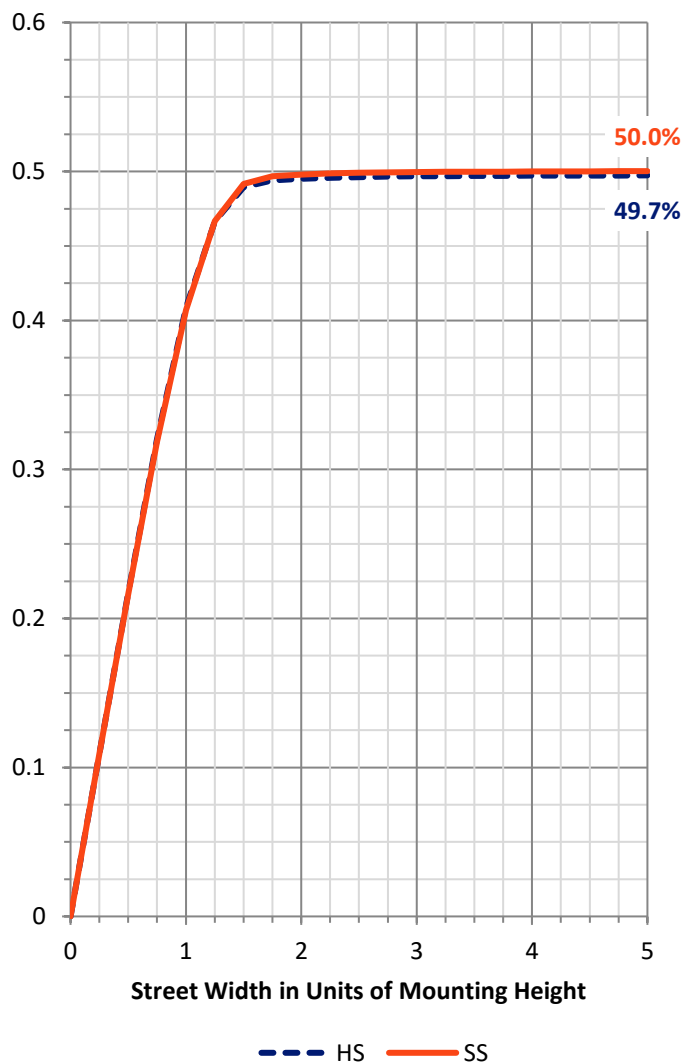
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6317.5	0.0	6317.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6317.5	0.0	6317.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12635.0	0.0	12635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	1.4
10°-20°	600.6	4.8
20°-30°	1226.7	9.7
30°-40°	2339.3	18.5
40°-50°	3942.1	31.2
50°-60°	3759.5	29.8
60°-70°	524.8	4.2
70°-80°	50.2	0.4
80°-90°	17.3	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°	12635.0	100.0
0°-180°	12635.0	100.0

Coefficient of Utilization



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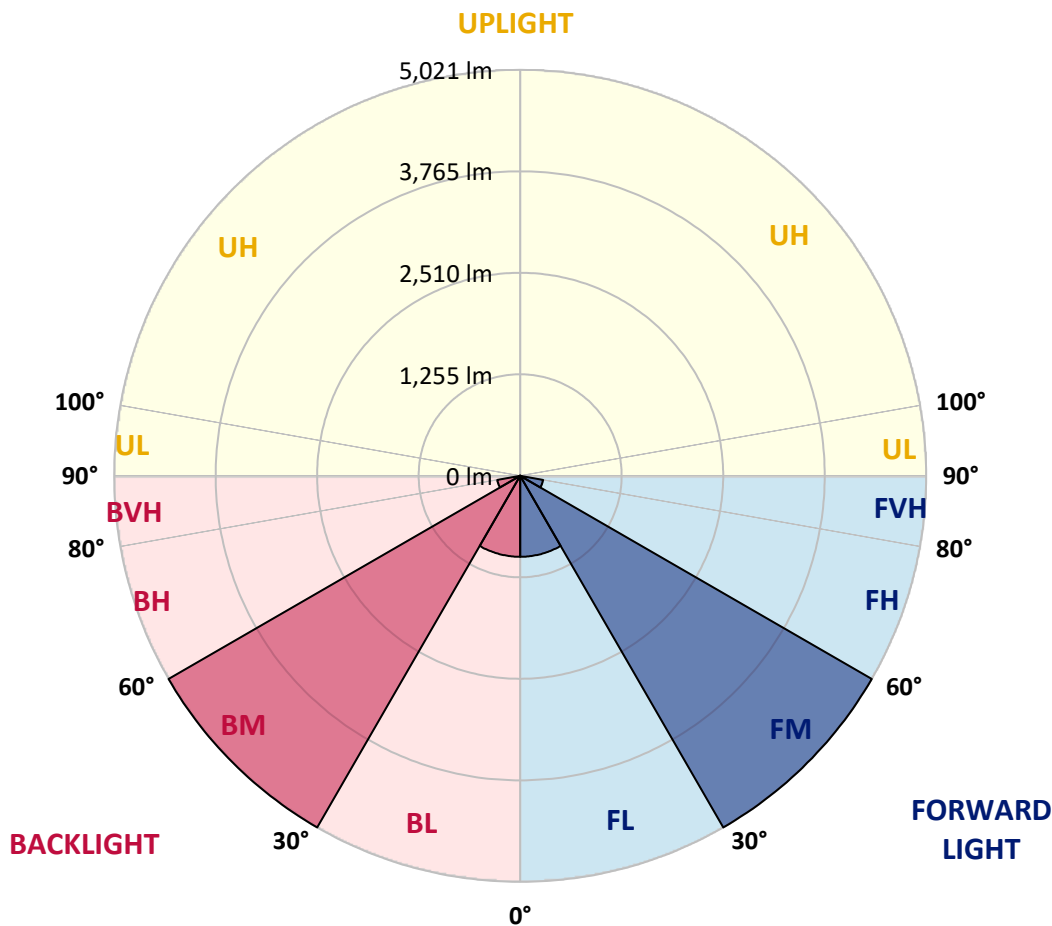
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.8	7.9			
FM (30°-60°)	5020.5	39.7			
FH (60°-80°)	287.5	2.3			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	1000.8	7.9	B3/2500		
BM (30°-60°)	5020.5	39.7	B4/8500		
BH (60°-80°)	287.5	2.3	B1/500		G0/660
BVH (80°-90°)	8.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7	1751.7
2.5°	1745.3	1745.3	1743.2	1760.2	1751.7	1770.8	1768.7	1775.1	1781.5	1779.3	1796.3
5°	1730.4	1728.3	1728.3	1747.5	1766.6	1787.8	1807.0	1819.7	1841.0	1841.0	1862.2
7.5°	1745.3	1734.7	1749.6	1758.1	1794.2	1830.4	1862.2	1887.8	1936.7	1953.7	1947.3
10°	1749.6	1762.3	1773.0	1798.5	1843.1	1898.4	1926.0	1989.8	2045.1	2083.3	2091.8
12.5°	1777.2	1796.3	1826.1	1887.8	1928.1	2000.4	2038.7	2100.3	2176.9	2219.4	2249.2
15°	1830.4	1836.7	1875.0	1953.7	2040.8	2106.7	2166.2	2210.9	2285.3	2334.2	2336.3
17.5°	1898.4	1926.0	1979.2	2053.6	2145.0	2242.8	2289.5	2338.4	2366.1	2432.0	2446.9
20°	2034.4	2038.7	2089.7	2187.5	2302.3	2391.6	2425.6	2451.1	2440.5	2508.5	2521.3
22.5°	2162.0	2166.2	2230.0	2361.8	2485.1	2561.7	2576.5	2561.7	2529.8	2578.7	2582.9
25°	2291.7	2329.9	2376.7	2508.5	2661.6	2763.6	2765.7	2725.3	2659.4	2667.9	2689.2
27.5°	2493.6	2521.3	2570.2	2691.3	2859.3	2974.1	2954.9	2906.0	2821.0	2827.4	2821.0
30°	2729.6	2755.1	2795.5	2950.7	3074.0	3199.4	3227.0	3180.3	3052.7	3025.1	3057.0
32.5°	3014.5	3050.6	3125.0	3267.4	3371.6	3448.1	3467.3	3450.3	3331.2	3320.6	3341.8
35°	3361.0	3409.9	3477.9	3603.3	3688.4	3826.5	3826.5	3769.1	3660.7	3673.5	3671.3
37.5°	3726.6	3798.9	3905.2	4032.7	4147.5	4221.9	4198.6	4149.7	4041.2	4013.6	4041.2
40°	4185.8	4221.9	4355.9	4521.7	4662.0	4747.0	4647.1	4540.8	4281.5	4321.9	4396.3
42.5°	4604.6	4662.0	4764.0	4946.9	5106.3	5176.5	5057.4	4846.9	4534.4	4502.6	4557.8
45°	4961.7	5023.4	5157.3	5418.8	5586.7	5648.4	5384.8	5044.7	4687.5	4606.7	4630.1
47.5°	5199.8	5231.7	5418.8	5667.5	5820.6	5960.9	5582.5	5180.7	4759.8	4606.7	4598.2
50°	5108.4	5163.7	5382.7	5665.4	5943.9	6043.8	5682.4	5284.9	4783.2	4587.6	4562.1
52.5°	4536.6	4632.2	4876.7	5257.2	5678.2	6035.3	5820.6	5250.9	4774.7	4606.7	4645.0
55°	3156.9	3159.0	3456.6	4017.9	4761.9	5603.8	5618.6	5289.1	4829.9	4725.8	4727.9
57.5°	1269.1	1332.9	1560.4	2123.7	2810.4	3847.8	4574.8	4906.5	4836.3	4810.8	4876.7
60°	321.0	323.1	393.3	599.5	988.5	1649.7	2395.8	3241.9	3733.0	3900.9	3924.3
62.5°	163.7	165.8	182.8	212.6	270.0	442.2	786.6	1247.9	1775.1	2042.9	2113.1
65°	133.9	133.9	144.6	159.4	161.6	170.1	204.1	291.2	423.0	480.4	486.8
67.5°	102.0	102.0	110.5	119.0	123.3	121.2	116.9	121.2	146.7	140.3	136.1
70°	63.8	65.9	70.2	78.7	82.9	85.0	87.2	91.4	104.2	108.4	104.2
72.5°	38.3	38.3	40.4	46.8	53.1	57.4	63.8	68.0	74.4	85.0	82.9
75°	17.0	17.0	21.3	27.6	34.0	40.4	46.8	53.1	57.4	63.8	65.9
77.5°	4.3	6.4	10.6	19.1	25.5	34.0	42.5	48.9	53.1	53.1	51.0
80°	2.1	2.1	8.5	14.9	27.6	36.1	46.8	51.0	57.4	53.1	46.8
82.5°	2.1	2.1	8.5	14.9	25.5	36.1	48.9	55.3	59.5	53.1	44.6
85°	0.0	2.1	6.4	12.8	21.3	25.5	21.3	14.9	8.5	8.5	6.4
87.5°	0.0	0.0	2.1	2.1	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)