

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: P647926

Luminaire Tested: **GALN-SA5A-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647926
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-SA5A-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 615mA 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: 11588.4 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

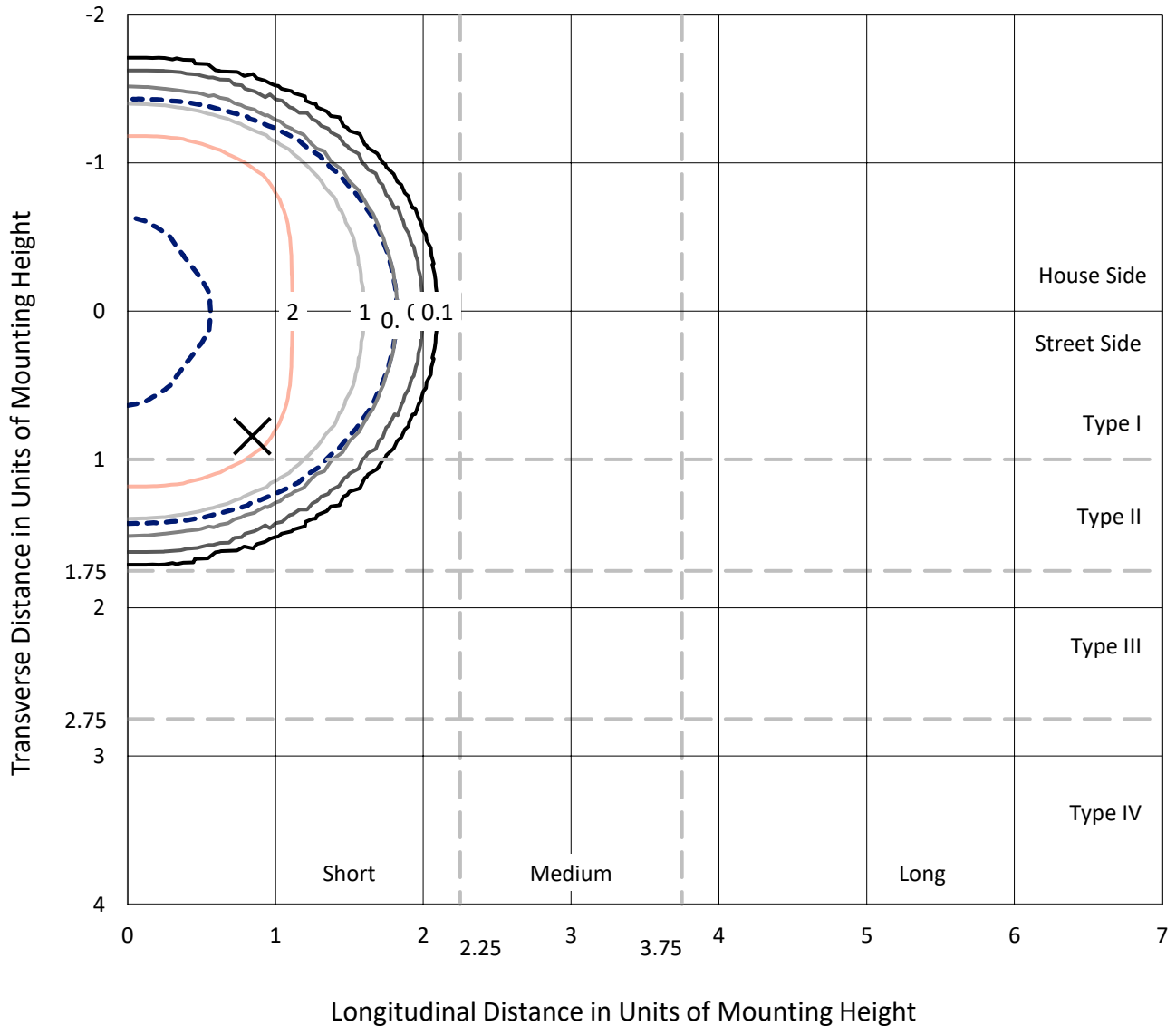
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

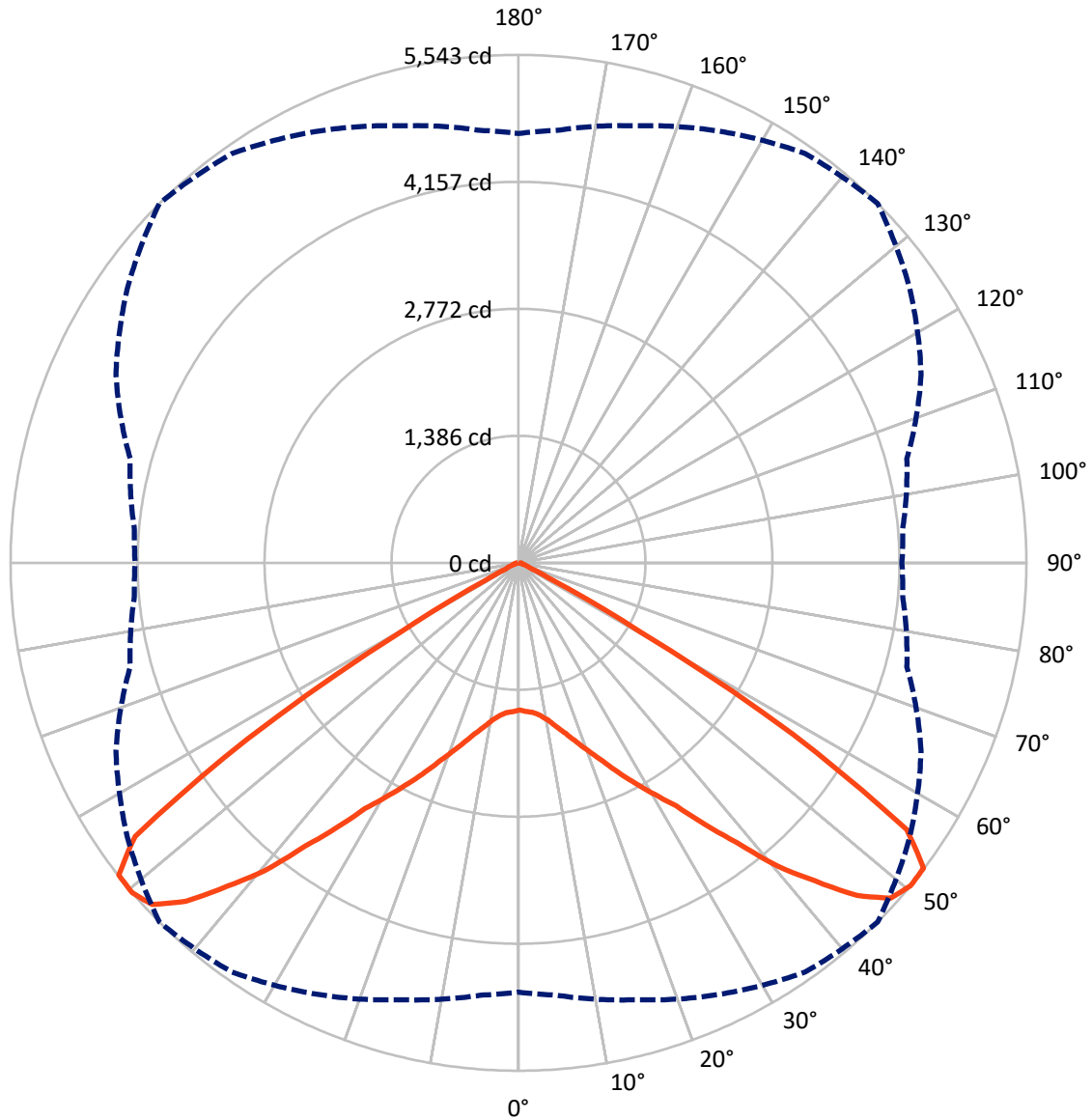
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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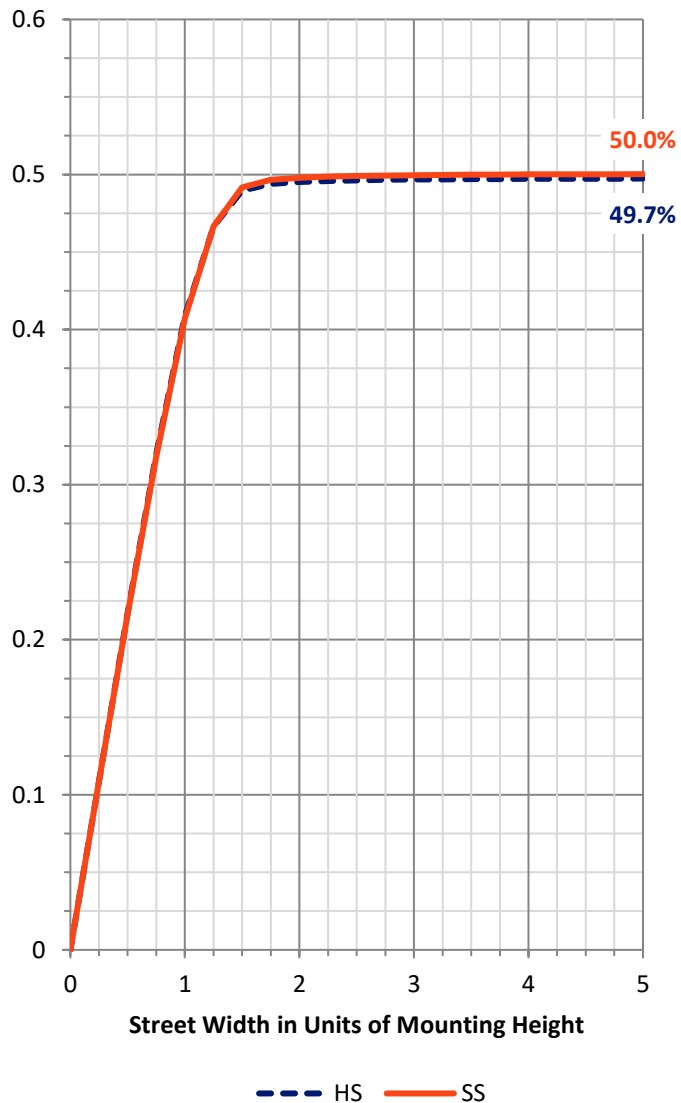
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5794.2	0.0	5794.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5794.2	0.0	5794.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11588.4	0.0	11588.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	1.4
10°-20°	550.9	4.8
20°-30°	1125.1	9.7
30°-40°	2145.6	18.5
40°-50°	3615.6	31.2
50°-60°	3448.1	29.8
60°-70°	481.3	4.2
70°-80°	46.0	0.4
80°-90°	15.9	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°	11588.4	100.0
0°-180°	11588.4	100.0

Coefficient of Utilization

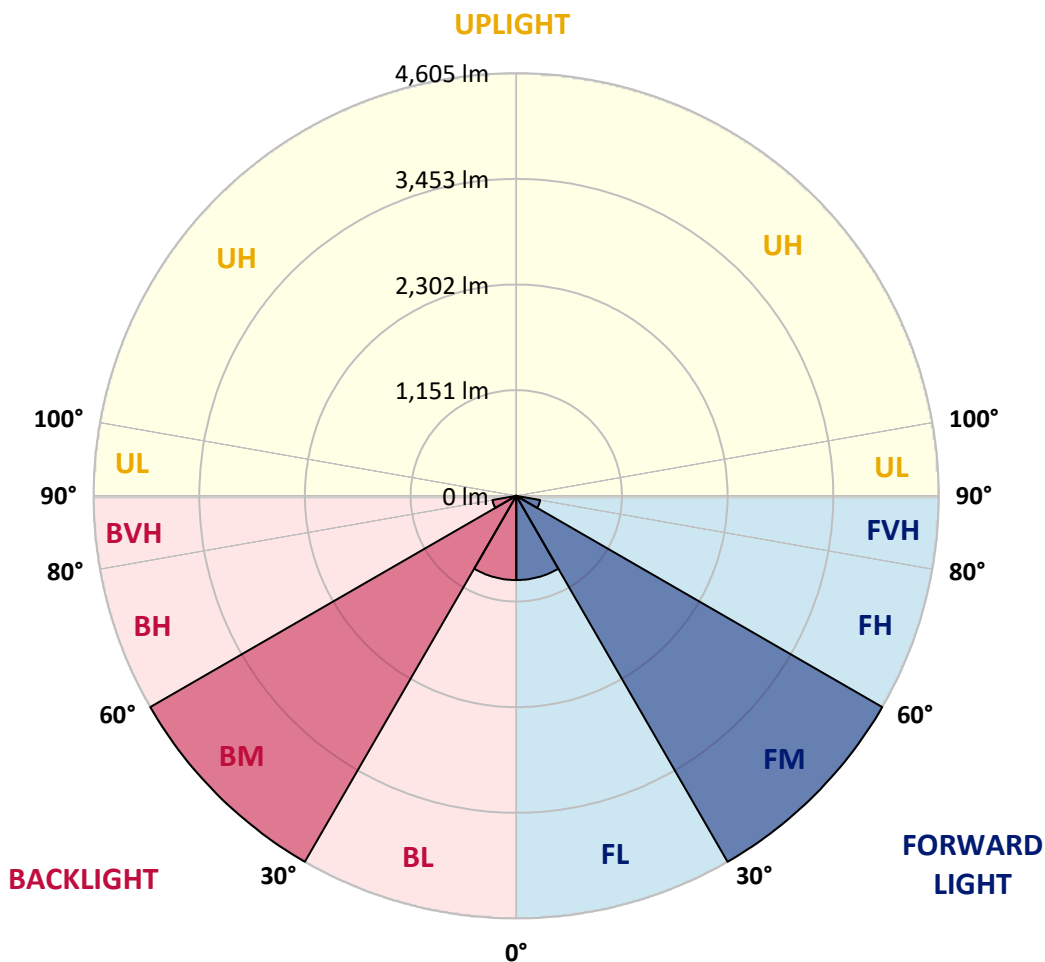


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.9	7.9			
FM (30°-60°)	4604.6	39.7			
FH (60°-80°)	263.7	2.3			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	917.9	7.9	B2/1000		
BM (30°-60°)	4604.6	39.7	B3/5000		
BH (60°-80°)	263.7	2.3	B1/500		G0/660
BVH (80°-90°)	8.0	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°	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6	1606.6
2.5°	1600.8	1600.8	1598.8	1614.4	1606.6	1624.2	1622.2	1628.0	1633.9	1631.9	1647.5
5°	1587.1	1585.2	1585.2	1602.7	1620.3	1639.8	1657.3	1669.0	1688.5	1688.5	1708.0
7.5°	1600.8	1591.0	1604.7	1612.4	1645.6	1678.8	1708.0	1731.4	1776.2	1791.8	1785.9
10°	1604.7	1616.3	1626.1	1649.5	1690.4	1741.2	1766.4	1825.0	1875.7	1910.8	1918.6
12.5°	1630.0	1647.5	1674.8	1731.4	1768.4	1834.7	1869.8	1926.3	1996.6	2035.6	2062.8
15°	1678.8	1684.6	1719.7	1791.8	1871.8	1932.2	1986.8	2027.7	2096.0	2140.8	2142.8
17.5°	1741.2	1766.4	1815.2	1883.5	1967.3	2057.0	2099.9	2144.7	2170.1	2230.5	2244.2
20°	1865.9	1869.8	1916.6	2006.3	2111.6	2193.5	2224.7	2248.1	2238.4	2300.7	2312.4
22.5°	1982.9	1986.8	2045.3	2166.2	2279.2	2349.5	2363.1	2349.5	2320.2	2365.1	2369.0
25°	2101.8	2137.0	2179.9	2300.7	2441.1	2534.7	2536.6	2499.6	2439.1	2447.0	2466.5
27.5°	2287.1	2312.4	2357.3	2468.4	2622.4	2727.7	2710.2	2665.3	2587.3	2593.2	2587.3
30°	2503.5	2526.9	2563.9	2706.3	2819.3	2934.4	2959.7	2916.8	2799.9	2774.5	2803.8
32.5°	2764.8	2797.9	2866.2	2996.8	3092.3	3162.5	3180.1	3164.5	3055.3	3045.6	3065.1
35°	3082.6	3127.4	3189.8	3304.8	3382.9	3509.6	3509.6	3456.9	3357.5	3369.2	3367.2
37.5°	3418.0	3484.2	3581.7	3698.7	3804.0	3872.2	3850.8	3805.9	3706.5	3681.1	3706.5
40°	3839.0	3872.2	3995.1	4147.2	4275.8	4353.8	4262.2	4164.7	3926.8	3963.9	4032.1
42.5°	4223.2	4275.8	4369.5	4537.1	4683.4	4747.6	4638.5	4445.5	4158.8	4129.6	4180.3
45°	4550.7	4607.3	4730.1	4969.9	5124.0	5180.5	4938.8	4626.7	4299.2	4225.1	4246.6
47.5°	4769.1	4798.4	4969.9	5198.1	5338.4	5467.1	5120.0	4751.6	4365.5	4225.1	4217.3
50°	4685.3	4736.0	4936.8	5196.1	5451.6	5543.2	5211.7	4847.1	4387.0	4207.6	4184.2
52.5°	4160.8	4248.6	4472.7	4821.8	5207.8	5535.3	5338.4	4815.9	4379.2	4225.1	4260.2
55°	2895.4	2897.3	3170.3	3685.0	4367.5	5139.6	5153.2	4851.0	4429.8	4334.3	4336.3
57.5°	1164.0	1222.5	1431.1	1947.8	2577.6	3529.1	4195.9	4500.1	4435.7	4412.3	4472.7
60°	294.4	296.4	360.7	549.8	906.6	1513.0	2197.4	2973.4	3423.7	3577.8	3599.3
62.5°	150.1	152.1	167.7	195.0	247.6	405.5	721.4	1144.5	1628.0	1873.7	1938.1
65°	122.9	122.9	132.6	146.3	148.1	156.0	187.2	267.1	388.0	440.7	446.5
67.5°	93.6	93.6	101.4	109.2	113.1	111.1	107.3	111.1	134.5	128.6	124.8
70°	58.5	60.4	64.4	72.1	76.0	78.0	79.9	83.9	95.5	99.4	95.5
72.5°	35.1	35.1	37.0	42.9	48.8	52.6	58.5	62.4	68.3	78.0	76.0
75°	15.6	15.6	19.5	25.4	31.2	37.0	42.9	48.8	52.6	58.5	60.4
77.5°	3.9	5.9	9.8	17.5	23.4	31.2	39.0	44.9	48.8	48.8	46.8
80°	2.0	2.0	7.8	13.6	25.4	33.1	42.9	46.8	52.6	48.8	42.9
82.5°	2.0	2.0	7.8	13.6	23.4	33.1	44.9	50.7	54.6	48.8	41.0
85°	0.0	2.0	5.9	11.7	19.5	23.4	19.5	13.6	7.8	7.8	5.9
87.5°	0.0	0.0	2.0	2.0	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)