

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: P647756

Luminaire Tested: **GALN-SA2A-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7536.4 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

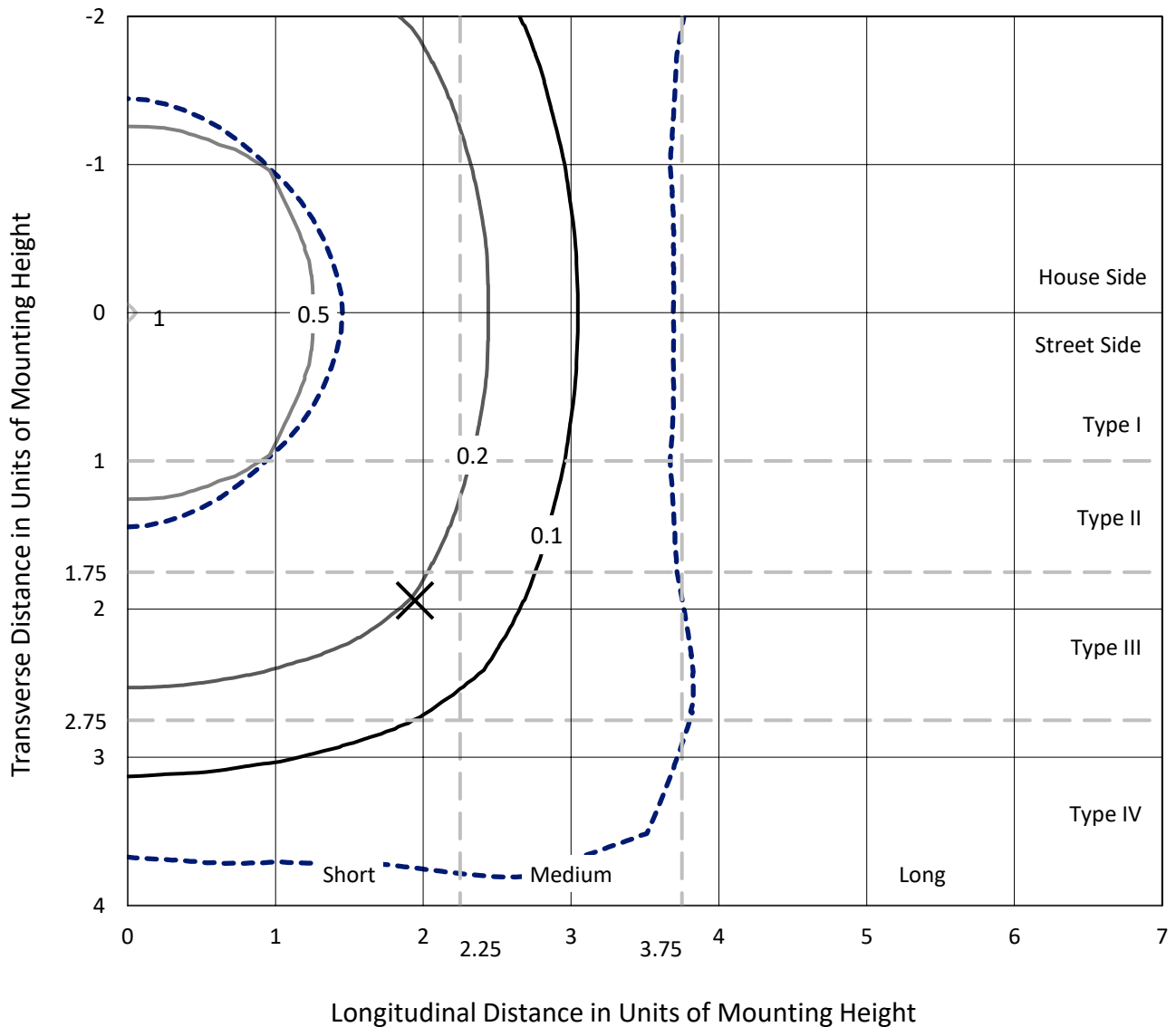
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

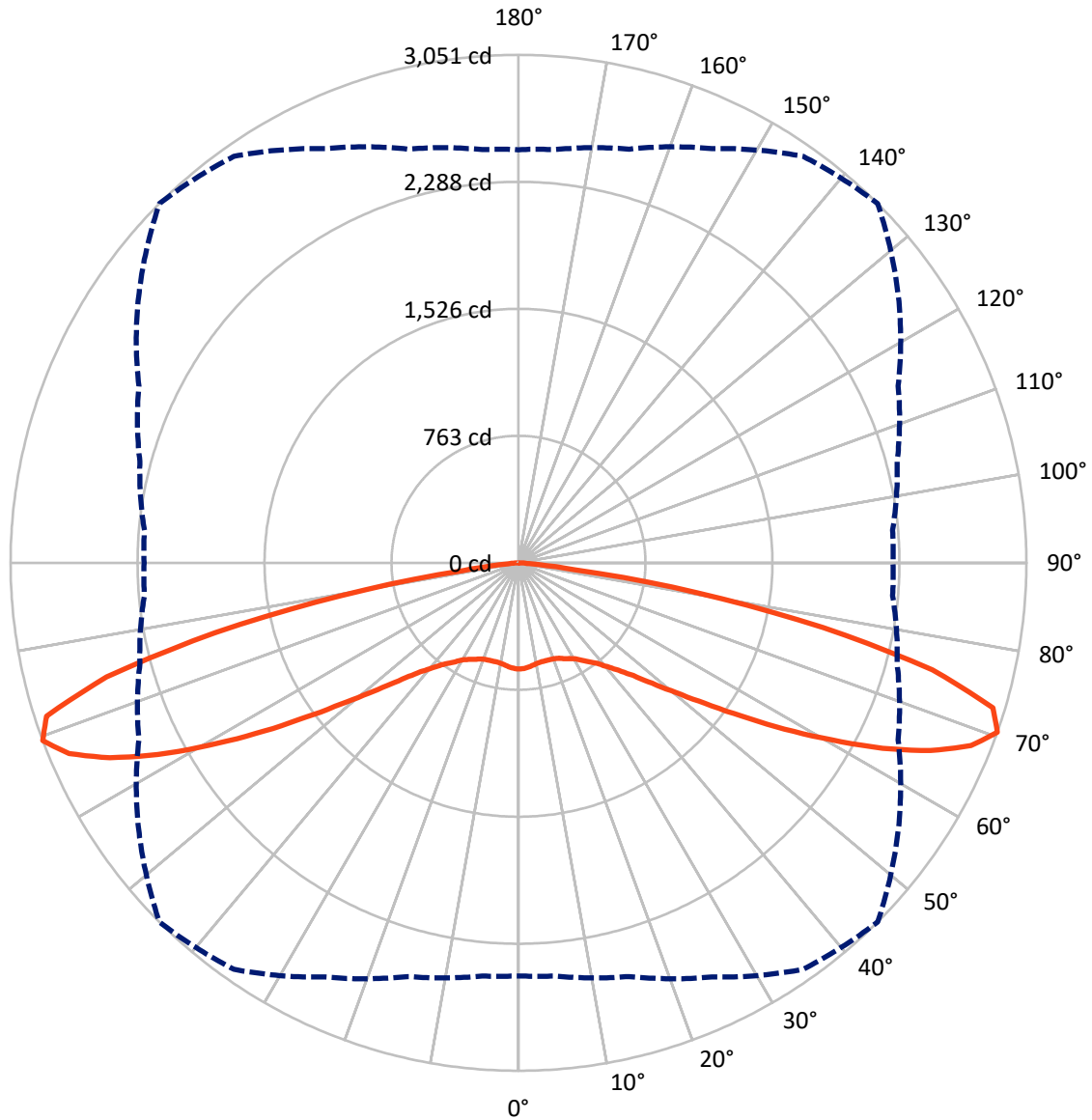
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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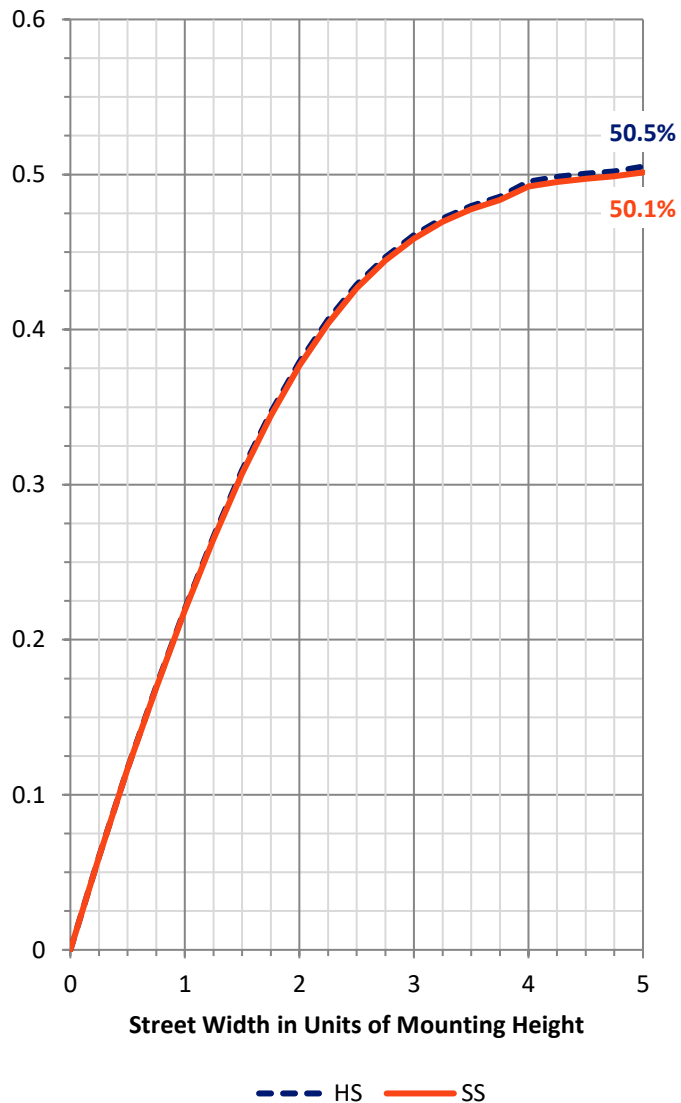
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3768.2	0.0	3768.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3768.2	0.0	3768.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7536.4	0.0	7536.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	0.8
10°-20°	174.7	2.3
20°-30°	297.6	3.9
30°-40°	461.3	6.1
40°-50°	776.4	10.3
50°-60°	1412.7	18.7
60°-70°	2391.7	31.7
70°-80°	1851.3	24.6
80°-90°	110.9	1.5
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°	7536.4	100.0
0°-180°	7536.4	100.0

Coefficient of Utilization

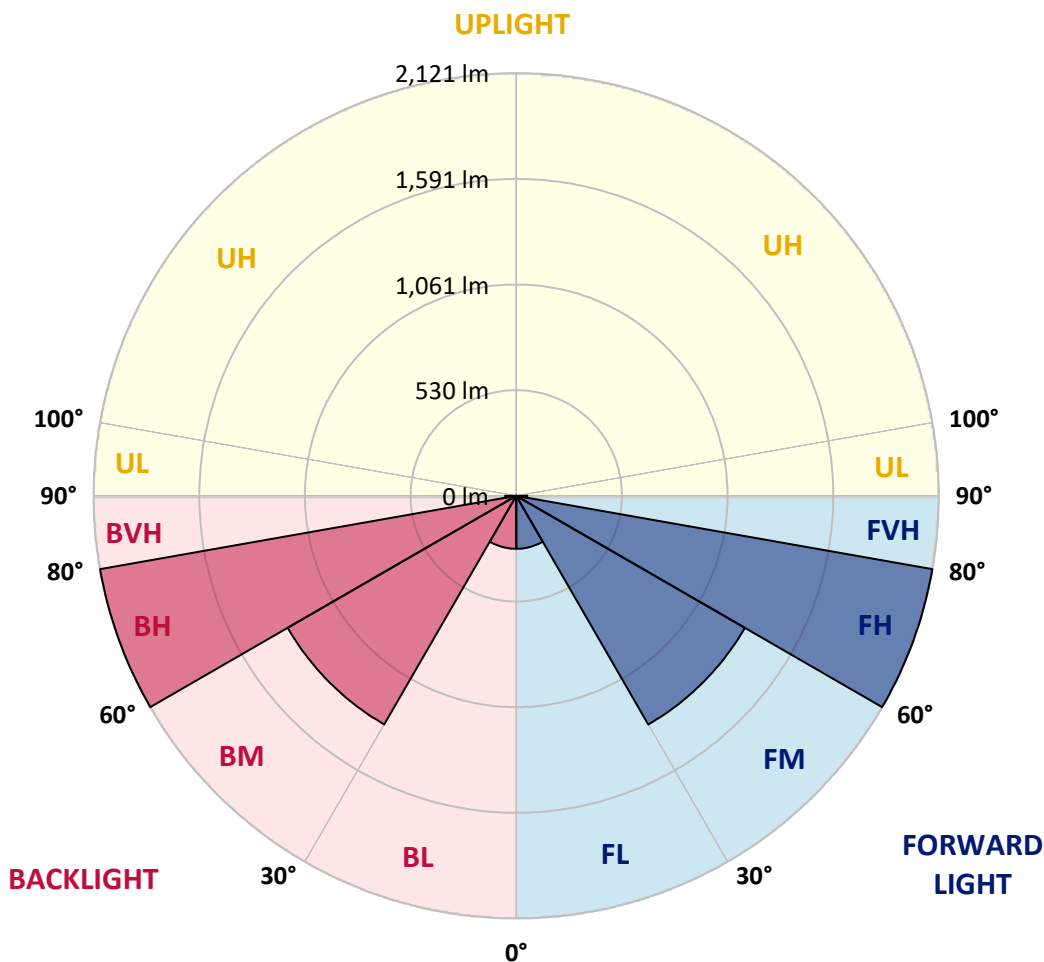


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	266.0	3.5			
FM (30°-60°)	1325.2	17.6			
FH (60°-80°)	2121.5	28.1			G2/5000
FVH (80°-90°)	55.5	0.7			G1/100
BL (0°-30°)	266.0	3.5	B1/500		
BM (30°-60°)	1325.2	17.6	B2/2500		
BH (60°-80°)	2121.5	28.1	B3/2500		G2/5000
BVH (80°-90°)	55.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	638.1	638.1	638.1	638.1	638.1	638.1	638.1	638.1	638.1	638.1	638.1
2.5°	636.4	636.8	636.8	636.0	635.6	635.6	635.2	635.2	636.4	636.8	637.3
5°	630.9	630.9	630.9	630.5	629.7	629.7	628.9	628.9	629.3	630.5	629.7
7.5°	623.3	624.1	624.1	622.5	621.3	621.3	620.9	621.3	621.7	623.0	622.5
10°	620.9	621.3	619.4	616.5	614.6	613.4	613.8	614.6	616.5	617.3	617.7
12.5°	622.5	622.5	619.0	615.0	611.4	609.8	609.4	612.1	615.8	618.2	619.0
15°	624.5	623.7	619.4	614.2	610.6	610.2	609.8	611.8	616.9	621.7	622.1
17.5°	625.7	625.3	619.7	613.4	611.4	611.4	611.0	612.5	618.2	624.1	624.5
20°	629.7	628.5	622.1	615.4	613.8	614.6	613.4	615.4	621.3	628.5	630.1
22.5°	637.7	636.4	630.1	623.3	622.5	622.5	622.1	624.1	630.5	638.1	639.2
25°	647.2	646.0	640.0	635.2	636.0	637.7	636.8	637.3	642.5	648.8	650.8
27.5°	659.9	658.0	652.8	648.8	651.1	651.1	651.1	650.8	654.0	659.9	661.9
30°	675.5	674.6	669.1	668.7	670.7	668.7	668.7	669.1	669.5	675.1	677.1
32.5°	695.8	694.2	691.4	690.6	696.2	697.7	692.2	687.0	689.8	695.4	696.6
35°	729.2	726.8	722.9	718.5	722.9	730.4	718.5	714.5	721.6	729.2	730.0
37.5°	774.5	773.4	767.0	759.0	758.6	766.6	754.3	753.9	767.4	776.6	777.8
40°	831.5	832.7	824.7	817.1	813.1	819.6	810.0	813.6	826.7	837.0	836.2
42.5°	911.5	907.1	894.8	887.6	883.2	880.9	878.4	884.0	898.7	909.9	918.7
45°	1005.1	1003.4	987.9	979.1	969.6	966.0	965.2	975.1	993.1	1006.6	1007.8
47.5°	1110.9	1107.3	1097.4	1088.2	1084.6	1080.2	1076.3	1083.8	1101.8	1111.3	1114.1
50°	1220.0	1220.8	1220.8	1219.2	1222.7	1223.5	1212.8	1215.6	1225.6	1224.8	1224.0
52.5°	1344.6	1349.0	1369.6	1371.7	1388.7	1400.3	1380.7	1369.2	1365.6	1344.2	1345.7
55°	1491.1	1495.0	1526.1	1557.1	1603.3	1622.8	1581.8	1546.0	1520.5	1487.9	1489.4
57.5°	1673.7	1675.7	1705.1	1764.9	1838.1	1883.9	1811.9	1741.0	1689.2	1658.2	1645.9
60°	1870.4	1872.3	1915.3	1988.2	2102.0	2157.7	2068.6	1952.7	1887.5	1840.1	1843.3
62.5°	2106.4	2114.3	2152.9	2253.2	2391.4	2453.8	2335.7	2180.8	2092.5	2033.5	2036.0
65°	2359.2	2372.6	2414.9	2525.1	2652.5	2719.8	2574.9	2396.1	2286.3	2214.2	2221.8
67.5°	2523.1	2535.0	2596.0	2717.8	2876.6	2932.3	2745.2	2537.1	2399.7	2313.8	2297.9
70°	2481.3	2491.3	2572.5	2745.2	2980.5	3051.0	2785.8	2516.3	2354.8	2255.7	2249.2
72.5°	2190.4	2169.7	2288.3	2536.3	2861.9	2980.1	2658.1	2298.3	2094.8	1993.0	1981.0
75°	1451.6	1496.6	1671.7	1963.9	2421.3	2567.7	2268.8	1845.3	1589.3	1504.5	1491.5
77.5°	485.2	519.8	675.5	1113.3	1650.6	1870.7	1653.0	1206.8	853.8	687.8	691.0
80°	128.6	127.0	164.4	306.1	713.3	1083.4	830.3	408.8	223.7	162.0	153.6
82.5°	46.2	51.8	66.5	84.8	189.1	336.8	237.6	114.6	84.0	62.1	60.1
85°	20.3	19.9	28.7	33.8	47.4	62.9	55.7	48.5	42.6	28.3	26.3
87.5°	4.4	4.4	6.7	5.2	8.4	8.4	10.3	12.4	12.8	8.4	6.7
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)