

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: P458750

Luminaire Tested: **GALN-SA3A-735-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA3A-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13121 lumens  
Efficiency: N/A  
Efficacy: 141.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

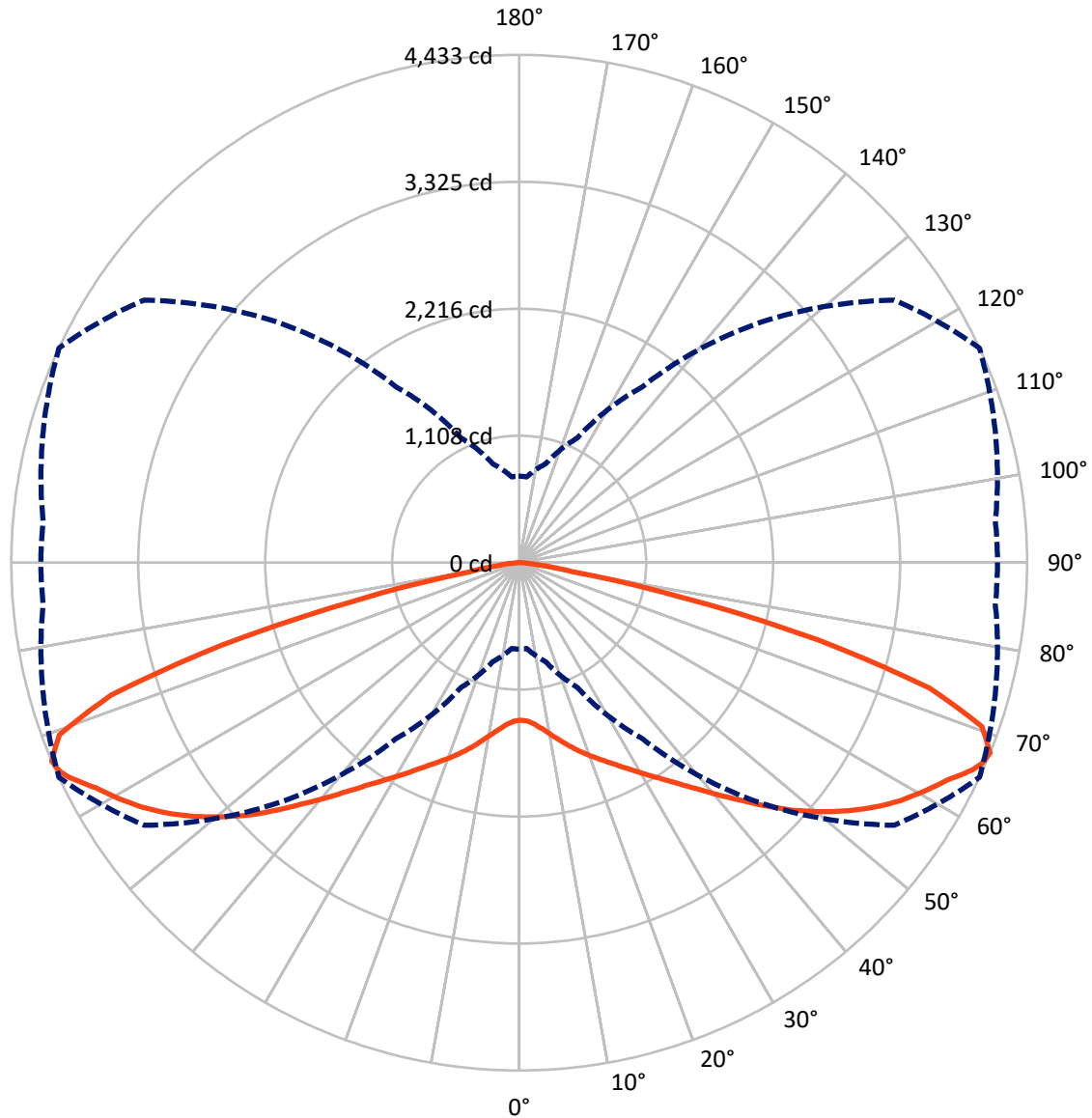
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT





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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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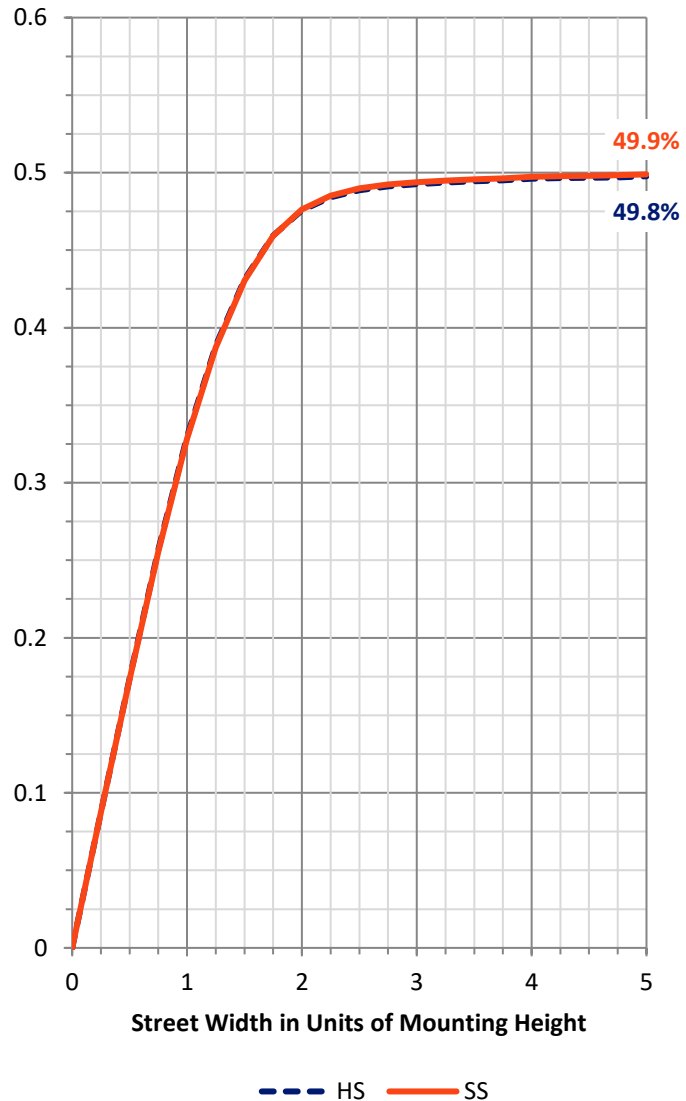
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6560.5	0.0	6560.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6560.5	0.0	6560.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13121.0	0.0	13121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.5	1.0
10°-20°	453.7	3.5
20°-30°	887.4	6.8
30°-40°	1509.3	11.5
40°-50°	2388.8	18.2
50°-60°	3167.5	24.1
60°-70°	2987.9	22.8
70°-80°	1477.1	11.3
80°-90°	113.8	0.9
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°	13121.0	100.0
0°-180°	13121.0	100.0

**Coefficient of Utilization**



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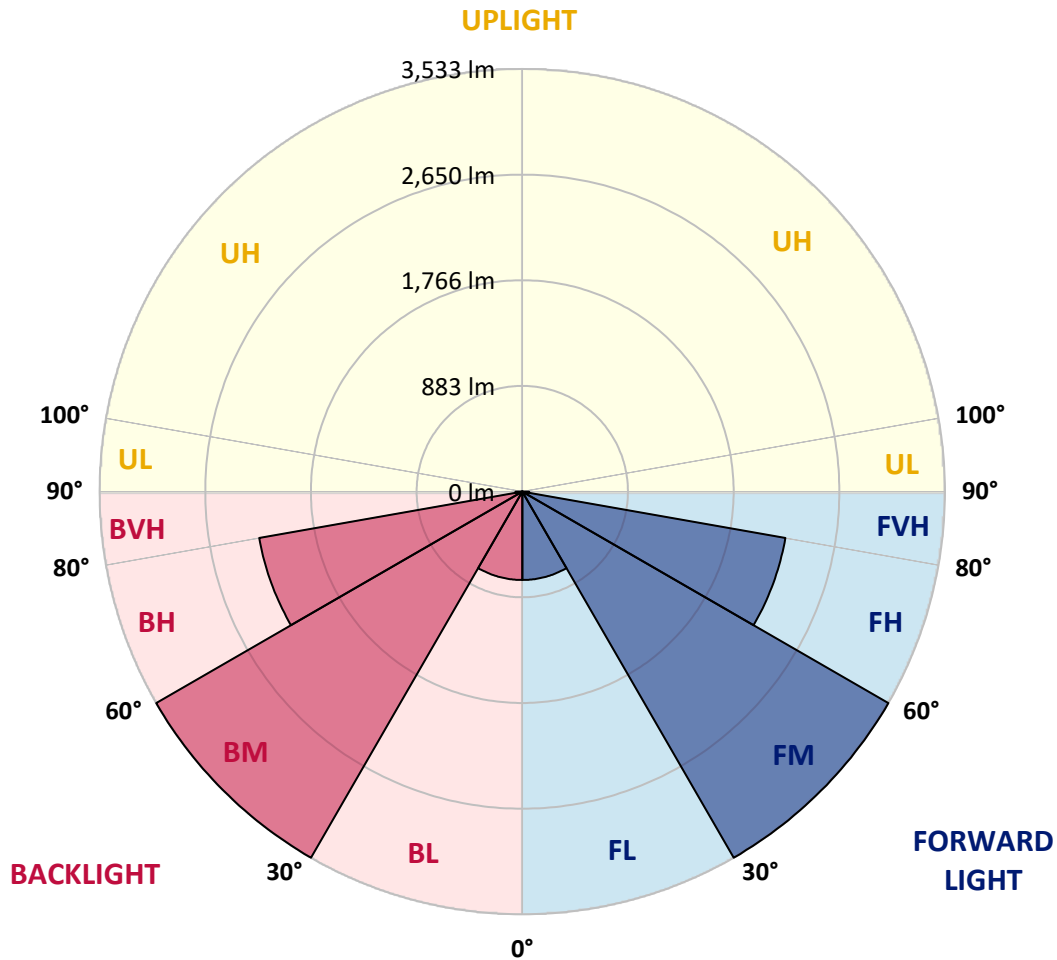
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	738.3	5.6			
FM	(30°-60°)	3532.8	26.9			
FH	(60°-80°)	2232.5	17.0			G2/5000
FVH	(80°-90°)	56.9	0.4			G1/100
BL	(0°-30°)	738.3	5.6	B2/1000		
BM	(30°-60°)	3532.8	26.9	B3/5000		
BH	(60°-80°)	2232.5	17.0	B3/2500		G3/2500
BVH	(80°-90°)	56.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3
2.5°	1367.3	1368.7	1370.1	1372.2	1375.0	1379.2	1382.0	1384.2	1389.8	1390.5	1389.8
5°	1362.4	1363.8	1367.3	1373.6	1382.7	1395.4	1405.2	1417.2	1426.3	1432.7	1431.2
7.5°	1361.7	1364.5	1370.1	1383.4	1401.0	1422.8	1445.3	1465.7	1483.3	1497.3	1495.2
10°	1372.9	1376.4	1385.6	1405.2	1432.7	1464.3	1495.9	1526.2	1551.5	1569.7	1576.1
12.5°	1391.9	1394.7	1411.6	1441.1	1480.5	1519.8	1555.7	1592.9	1628.1	1659.0	1659.0
15°	1424.9	1429.8	1450.9	1493.8	1542.3	1588.0	1624.6	1663.9	1701.9	1737.0	1747.6
17.5°	1470.6	1477.6	1509.3	1564.1	1626.0	1668.2	1702.6	1734.9	1768.0	1801.7	1806.6
20°	1533.2	1540.2	1582.4	1648.5	1721.6	1772.2	1795.4	1803.1	1819.3	1851.6	1855.8
22.5°	1618.2	1625.3	1672.4	1746.9	1828.4	1883.3	1893.1	1874.8	1870.6	1895.9	1898.7
25°	1714.5	1720.9	1775.0	1855.1	1939.5	1999.3	1996.4	1951.4	1926.1	1941.6	1945.8
27.5°	1822.8	1831.9	1886.8	1969.7	2061.1	2113.8	2105.4	2040.0	1985.9	1983.1	1984.5
30°	1961.3	1971.1	2023.2	2102.6	2192.6	2241.1	2223.5	2135.6	2052.0	2023.9	2023.9
32.5°	2107.5	2132.1	2184.8	2267.8	2338.1	2373.2	2346.5	2241.1	2130.0	2090.6	2088.5
35°	2298.0	2311.4	2363.4	2444.2	2497.0	2524.4	2473.1	2359.9	2231.9	2185.5	2179.2
37.5°	2484.3	2495.5	2556.0	2633.3	2697.3	2695.9	2626.3	2501.2	2358.5	2306.4	2302.2
40°	2674.8	2686.8	2755.6	2826.6	2890.6	2885.0	2800.6	2660.7	2508.9	2450.6	2461.8
42.5°	2840.0	2853.4	2931.4	3032.6	3090.3	3088.9	2991.1	2833.7	2675.5	2623.5	2633.3
45°	2990.4	3002.4	3093.1	3209.1	3293.4	3304.0	3197.1	3030.5	2868.1	2801.3	2804.2
47.5°	3096.6	3119.1	3214.0	3346.8	3461.4	3498.7	3393.9	3230.9	3043.9	2974.3	2978.5
50°	3177.4	3191.5	3294.8	3446.0	3590.8	3668.1	3583.7	3416.4	3219.6	3145.8	3155.6
52.5°	3187.3	3204.1	3316.6	3491.0	3676.5	3793.9	3752.5	3597.8	3398.9	3322.9	3344.0
55°	3107.1	3117.0	3251.2	3462.8	3710.3	3887.4	3898.0	3766.5	3569.7	3512.0	3526.1
57.5°	2878.7	2904.0	3074.1	3331.4	3663.9	3937.3	4006.9	3919.8	3742.6	3685.7	3708.2
60°	2504.0	2529.3	2700.1	3026.3	3488.8	3914.1	4096.9	4055.4	3899.4	3853.7	3865.6
62.5°	1962.0	1959.9	2171.5	2571.5	3140.9	3800.3	4163.7	4186.2	4054.0	3996.4	4014.7
65°	1271.7	1278.0	1482.6	1913.5	2615.8	3510.6	4178.5	4352.8	4205.9	4118.7	4132.1
66°	1022.8	1041.8	1215.4	1612.6	2347.9	3320.8	4134.2	4402.0	4252.3	4146.8	4153.2
67.5°	755.0	751.5	894.2	1200.7	1874.8	2960.2	3995.7	4432.9	4305.0	4172.1	4174.9
70°	430.9	430.2	480.8	659.4	1102.3	2084.3	3367.9	4284.6	4411.8	4263.5	4255.8
72.5°	314.9	312.8	319.9	364.1	537.8	1052.3	2323.3	3744.7	4357.0	4248.8	4227.0
75°	264.3	262.9	261.5	267.1	301.6	476.6	1233.0	2693.8	3780.6	3988.0	3965.5
77.5°	215.8	215.8	216.5	215.1	216.5	251.0	511.1	1443.9	2302.2	2570.1	2632.6
80°	168.7	168.0	180.0	175.0	163.8	161.0	226.4	464.7	764.1	759.9	627.1
82.5°	124.4	116.0	137.1	133.6	120.9	102.6	132.2	198.2	255.2	165.9	123.0
85°	78.7	78.0	97.0	88.6	73.8	48.5	63.3	85.1	105.4	64.0	52.0
87.5°	14.1	13.4	30.9	22.5	22.5	14.1	17.6	23.2	34.4	23.9	17.6
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)