

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: P647811

Luminaire Tested: **GALN-SA3A-835-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647811  
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-SA3A-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 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: 11187.5 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

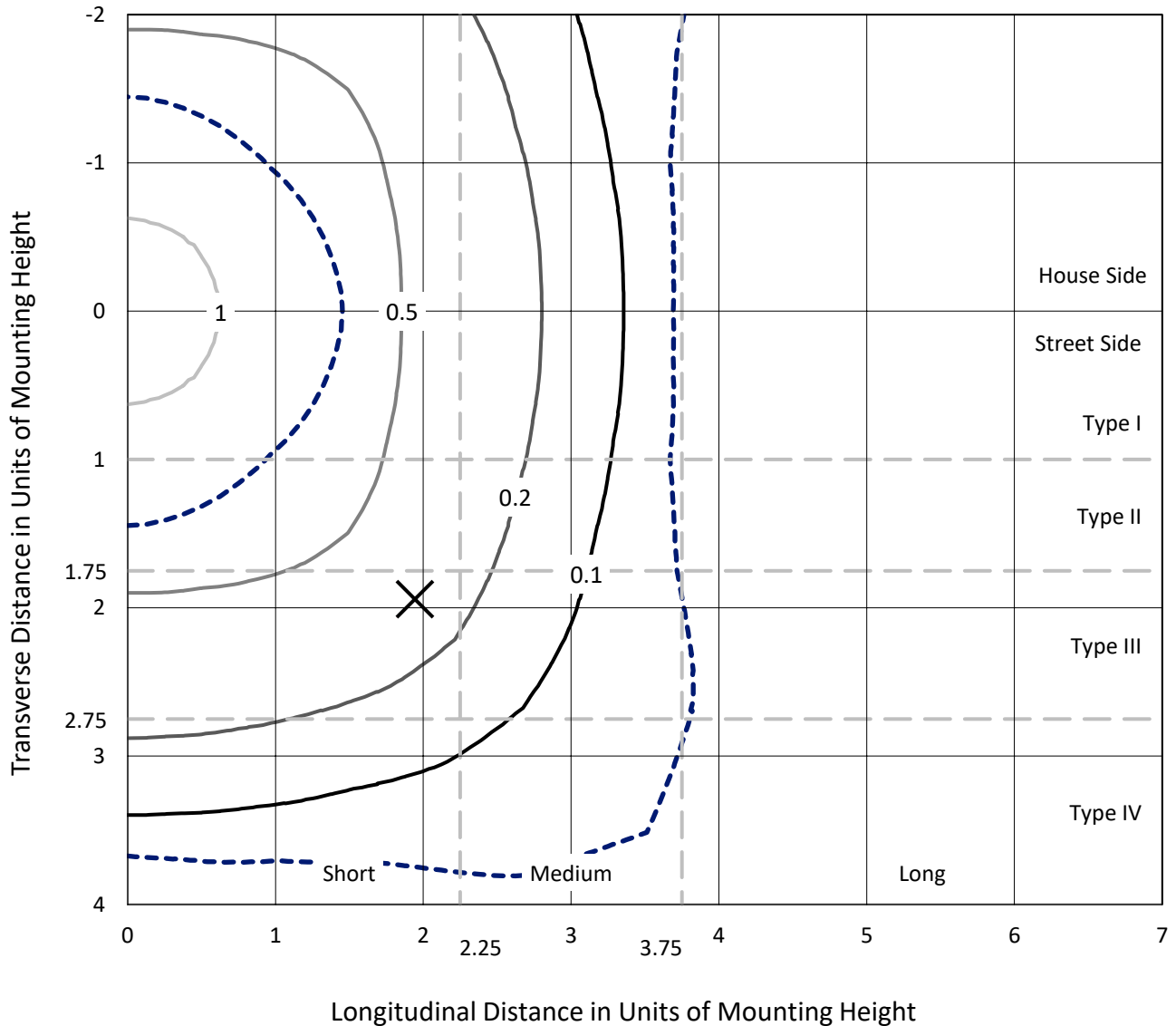
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

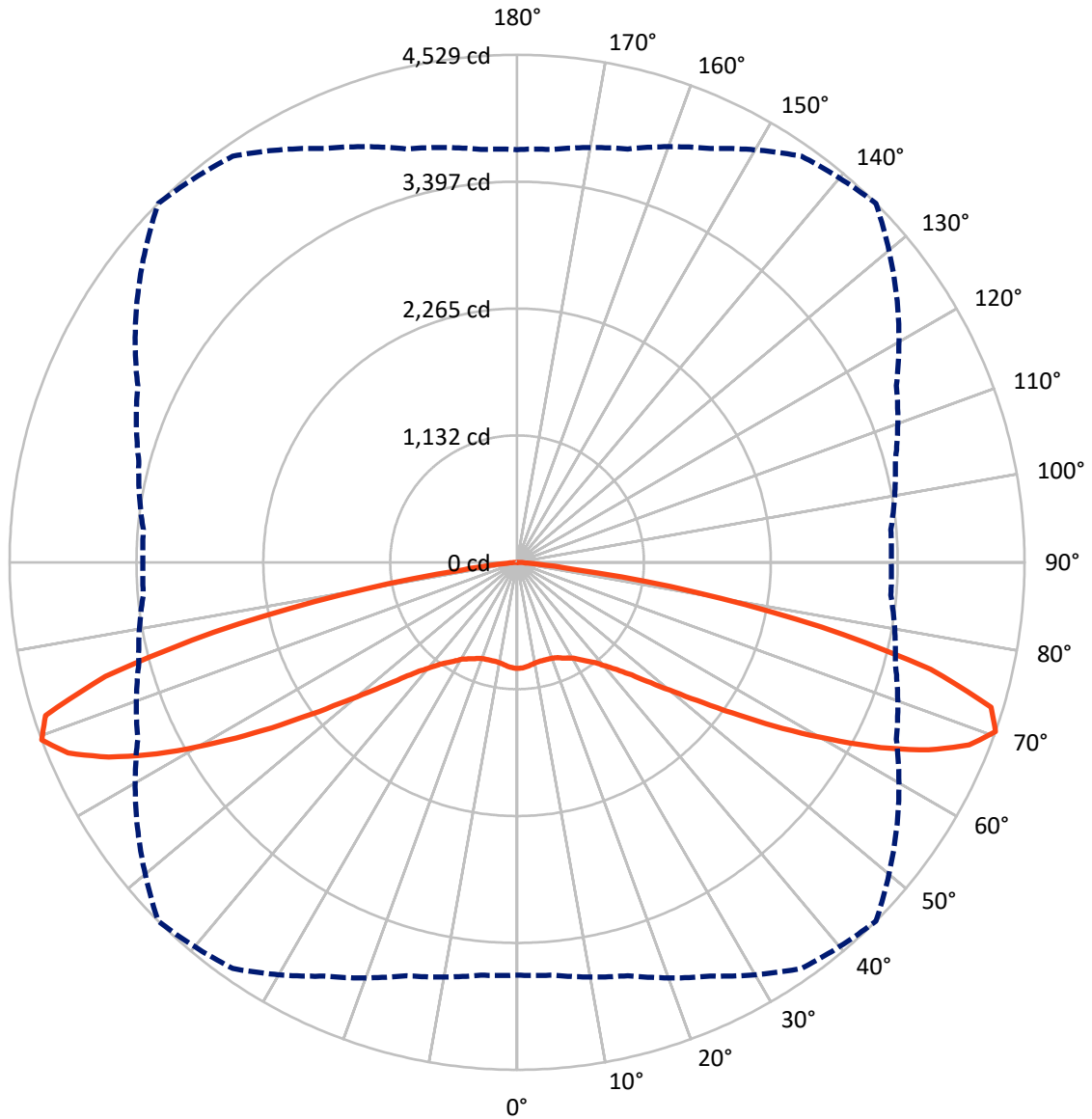
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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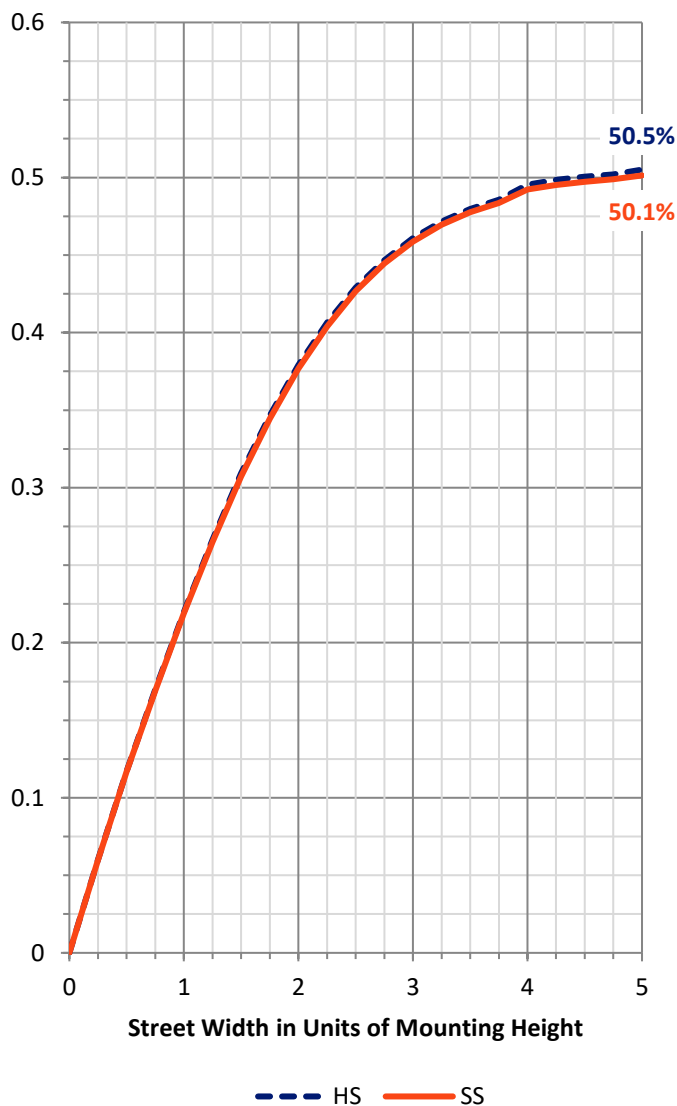
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5593.7	0.0	5593.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5593.7	0.0	5593.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11187.5	0.0	11187.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.6	0.8
10°-20°	259.3	2.3
20°-30°	441.8	3.9
30°-40°	684.8	6.1
40°-50°	1152.6	10.3
50°-60°	2097.1	18.7
60°-70°	3550.4	31.7
70°-80°	2748.1	24.6
80°-90°	164.7	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°	11187.5	100.0
0°-180°	11187.5	100.0

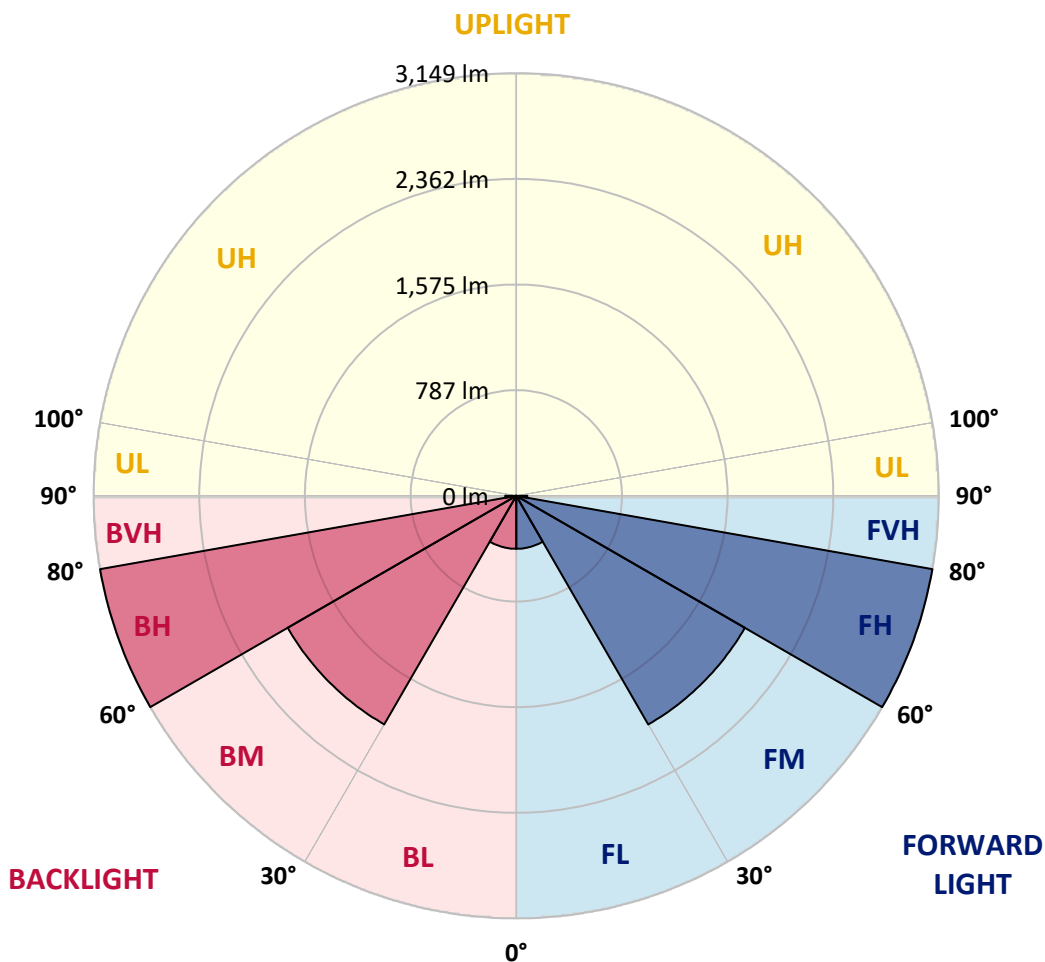


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.9	3.5			
FM (30°-60°)	1967.3	17.6			
FH (60°-80°)	3149.3	28.2			G2/5000
FVH (80°-90°)	82.3	0.7			G1/100
BL (0°-30°)	394.9	3.5	B1/500		
BM (30°-60°)	1967.3	17.6	B2/2500		
BH (60°-80°)	3149.3	28.2	B4/5000		G2/5000
BVH (80°-90°)	82.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2
2.5°	944.8	945.4	945.4	944.2	943.6	943.6	943.0	943.0	944.8	945.4	945.9
5°	936.5	936.5	936.5	935.9	934.7	934.7	933.6	933.6	934.2	935.9	934.7
7.5°	925.3	926.4	926.4	924.1	922.4	922.4	921.7	922.4	922.9	924.7	924.1
10°	921.7	922.4	919.4	915.2	912.3	910.6	911.1	912.3	915.2	916.4	917.0
12.5°	924.1	924.1	918.8	912.9	907.6	905.2	904.6	908.7	914.1	917.6	918.8
15°	927.1	925.9	919.4	911.7	906.4	905.8	905.2	908.1	915.9	922.9	923.5
17.5°	928.9	928.2	919.9	910.6	907.6	907.6	906.9	909.4	917.6	926.4	927.1
20°	934.7	932.9	923.5	913.4	911.1	912.3	910.6	913.4	922.4	932.9	935.4
22.5°	946.6	944.8	935.4	925.3	924.1	924.1	923.5	926.4	935.9	947.2	948.9
25°	960.7	958.9	950.1	943.0	944.2	946.6	945.4	945.9	953.7	963.1	966.1
27.5°	979.7	976.7	969.0	963.1	966.7	966.7	966.7	966.1	970.8	979.7	982.6
30°	1002.7	1001.5	993.2	992.7	995.6	992.7	992.7	993.2	993.9	1002.1	1005.1
32.5°	1032.9	1030.5	1026.4	1025.2	1033.4	1035.8	1027.5	1019.9	1024.0	1032.2	1034.0
35°	1082.5	1078.9	1073.0	1066.5	1073.0	1084.2	1066.5	1060.6	1071.2	1082.5	1083.7
37.5°	1149.8	1148.0	1138.6	1126.8	1126.2	1138.0	1119.7	1119.1	1139.2	1152.8	1154.5
40°	1234.3	1236.1	1224.3	1213.0	1207.2	1216.6	1202.4	1207.7	1227.2	1242.6	1241.4
42.5°	1353.1	1346.6	1328.3	1317.6	1311.1	1307.6	1304.0	1312.3	1334.2	1350.8	1363.8
45°	1491.9	1489.6	1466.6	1453.6	1439.4	1434.1	1432.9	1447.6	1474.2	1494.3	1496.1
47.5°	1649.1	1643.8	1629.0	1615.4	1610.1	1603.6	1597.7	1608.9	1635.5	1649.7	1653.9
50°	1811.0	1812.2	1812.2	1809.8	1815.2	1816.3	1800.4	1804.5	1819.3	1818.1	1817.0
52.5°	1995.9	2002.4	2033.1	2036.1	2061.6	2078.6	2049.7	2032.6	2027.3	1995.3	1997.7
55°	2213.4	2219.3	2265.4	2311.5	2380.0	2409.0	2348.1	2294.9	2257.1	2208.7	2211.0
57.5°	2484.6	2487.5	2531.3	2619.9	2728.6	2796.6	2689.6	2584.4	2507.6	2461.5	2443.2
60°	2776.5	2779.4	2843.2	2951.4	3120.3	3203.1	3070.8	2898.8	2801.9	2731.6	2736.3
62.5°	3126.8	3138.7	3196.0	3344.9	3550.0	3642.7	3467.2	3237.4	3106.2	3018.7	3022.3
65°	3502.0	3522.2	3584.8	3748.5	3937.6	4037.4	3822.3	3557.0	3393.9	3287.0	3298.2
67.5°	3745.5	3763.3	3853.6	4034.4	4270.2	4352.9	4075.2	3766.2	3562.3	3434.7	3411.1
70°	3683.5	3698.3	3818.8	4075.2	4424.4	4529.0	4135.5	3735.5	3495.5	3348.4	3339.0
72.5°	3251.6	3220.8	3396.9	3765.0	4248.3	4423.8	3945.8	3411.7	3109.8	2958.5	2940.7
75°	2154.9	2221.7	2481.6	2915.3	3594.2	3811.6	3367.9	2739.2	2359.3	2233.5	2214.0
77.5°	720.3	771.6	1002.7	1652.7	2450.3	2777.1	2453.8	1791.5	1267.4	1021.0	1025.7
80°	190.8	188.5	244.1	454.4	1058.9	1608.4	1232.5	606.8	332.1	240.5	228.1
82.5°	68.5	76.8	98.7	125.8	280.6	499.9	352.7	170.1	124.7	92.2	89.2
85°	30.1	29.5	42.5	50.2	70.3	93.3	82.7	72.1	63.2	42.0	39.0
87.5°	6.5	6.5	10.0	7.7	12.4	12.4	15.3	18.3	18.9	12.4	10.0
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)