

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: P646711

Luminaire Tested: **GALN-SA1C-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646711
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-SA1C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5829.5 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

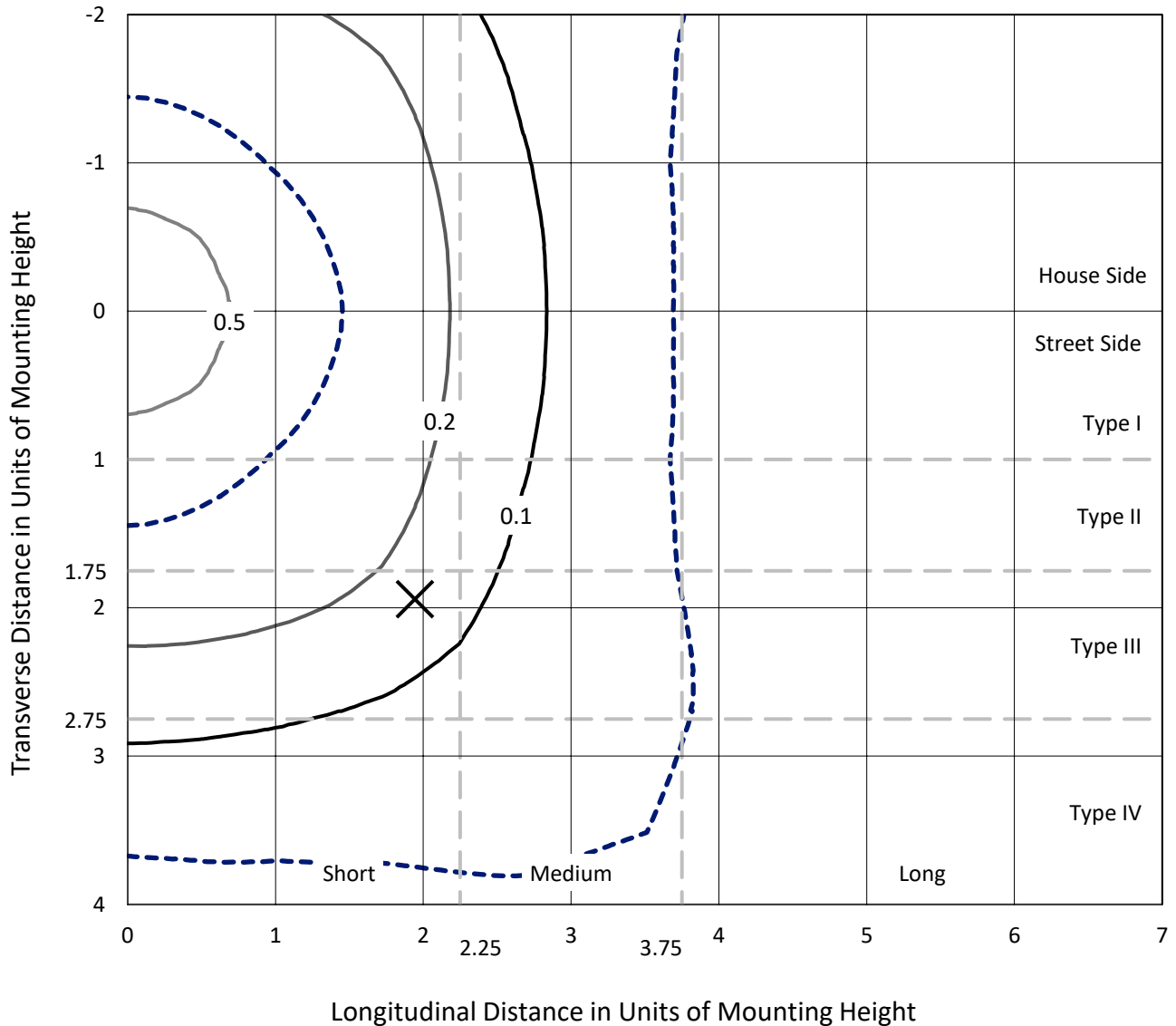
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

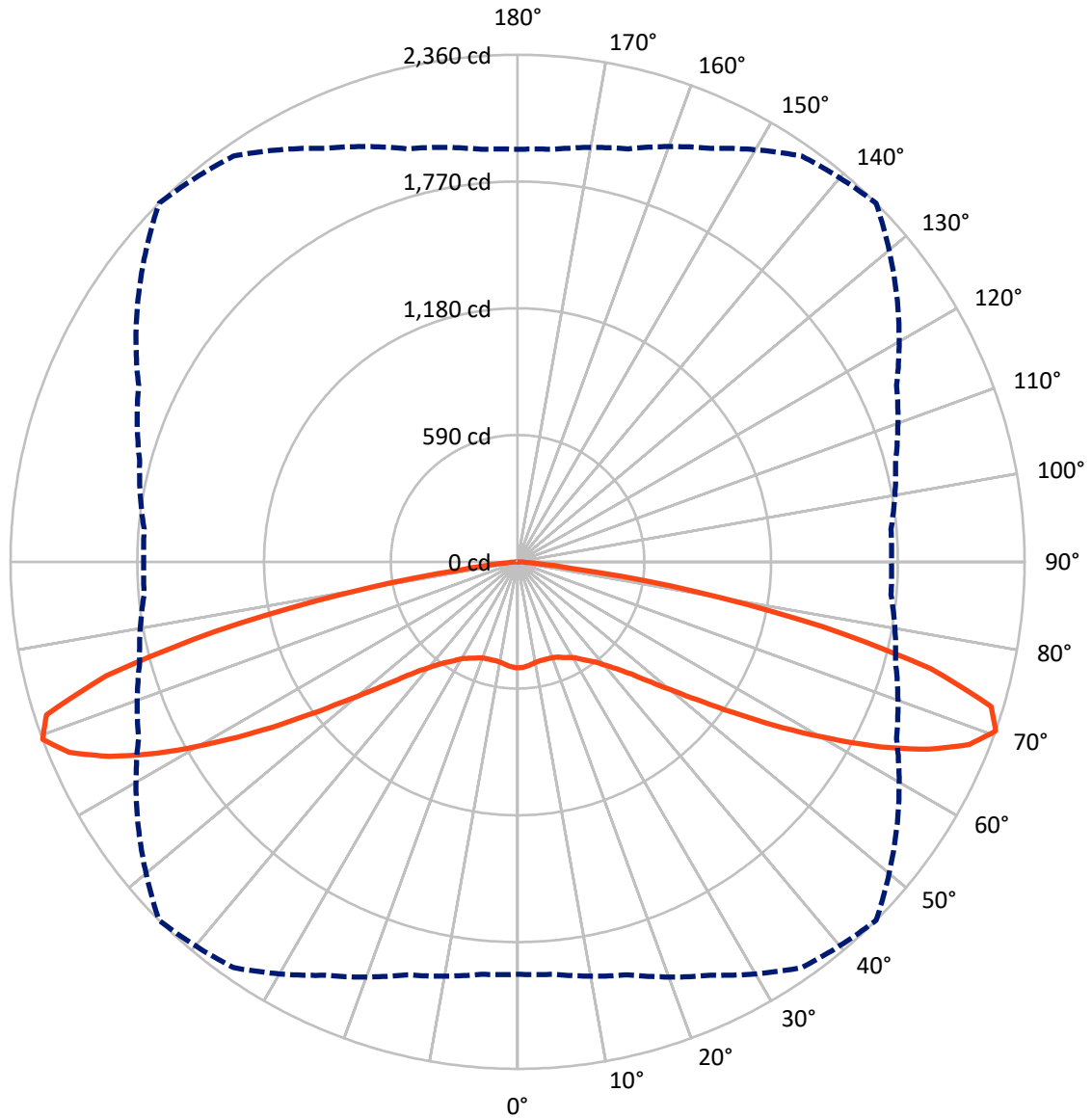
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P646711
CATALOG NUMBER: GALN-SA1C-835-U-5WQ

Luminous Intensity Polar Plot



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

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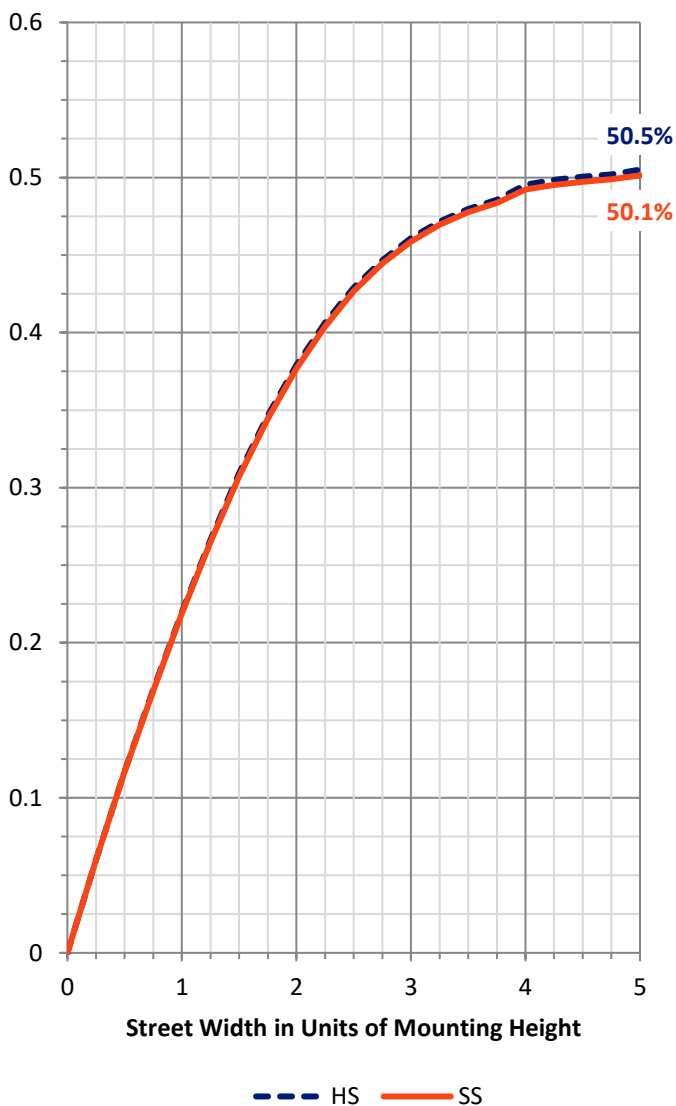
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2914.7	0.0	2914.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2914.7	0.0	2914.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5829.5	0.0	5829.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	0.8
10°-20°	135.1	2.3
20°-30°	230.2	3.9
30°-40°	356.8	6.1
40°-50°	600.6	10.3
50°-60°	1092.8	18.7
60°-70°	1850.0	31.7
70°-80°	1432.0	24.6
80°-90°	85.8	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°	5829.5	100.0
0°-180°	5829.5	100.0

Coefficient of Utilization



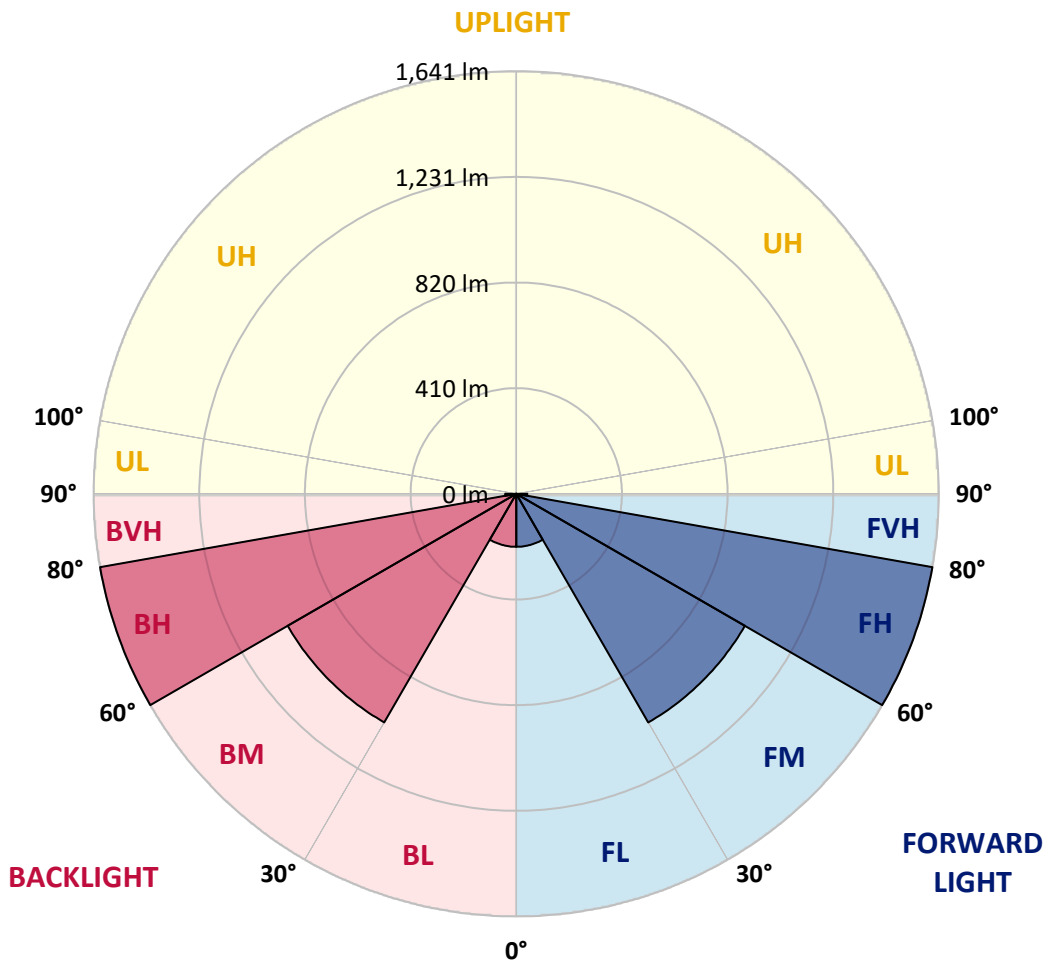
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.7	3.5			
FM (30°-60°)	1025.1	17.6			
FH (60°-80°)	1641.0	28.1			G1/1800
FVH (80°-90°)	42.9	0.7			G1/100
BL (0°-30°)	205.7	3.5	B1/500		
BM (30°-60°)	1025.1	17.6	B2/2500		
BH (60°-80°)	1641.0	28.1	B3/2500		G1/1800
BVH (80°-90°)	42.9	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	493.5	493.5	493.5	493.5	493.5	493.5	493.5	493.5	493.5	493.5	493.5
2.5°	492.3	492.6	492.6	492.0	491.7	491.7	491.4	491.4	492.3	492.6	492.9
5°	488.0	488.0	488.0	487.7	487.1	487.1	486.5	486.5	486.8	487.7	487.1
7.5°	482.2	482.7	482.7	481.5	480.6	480.6	480.3	480.6	480.9	481.9	481.5
10°	480.3	480.6	479.0	476.9	475.4	474.4	474.7	475.4	476.9	477.6	477.9
12.5°	481.5	481.5	478.7	475.7	472.9	471.7	471.4	473.6	476.3	478.2	478.7
15°	483.0	482.5	479.0	475.0	472.3	472.0	471.7	473.2	477.2	480.9	481.2
17.5°	484.0	483.7	479.4	474.4	472.9	472.9	472.6	473.8	478.2	482.7	483.0
20°	487.1	486.2	481.2	476.0	474.7	475.4	474.4	476.0	480.6	486.2	487.3
22.5°	493.2	492.3	487.3	482.2	481.5	481.5	481.2	482.7	487.7	493.5	494.5
25°	500.7	499.7	495.1	491.4	492.0	493.2	492.6	492.9	496.9	501.8	503.4
27.5°	510.4	509.0	505.0	501.8	503.7	503.7	503.7	503.4	505.8	510.4	512.0
30°	522.5	521.9	517.6	517.2	518.8	517.2	517.2	517.6	517.9	522.2	523.7
32.5°	538.2	537.0	534.8	534.2	538.5	539.7	535.4	531.4	533.5	537.8	538.8
35°	564.1	562.2	559.1	555.7	559.1	564.9	555.7	552.6	558.2	564.1	564.6
37.5°	599.2	598.2	593.3	587.1	586.9	593.0	583.4	583.1	593.6	600.6	601.6
40°	643.2	644.1	637.9	632.1	629.0	633.9	626.6	629.3	639.5	647.5	646.8
42.5°	705.0	701.6	692.1	686.6	683.2	681.4	679.5	683.8	695.2	703.8	710.6
45°	777.4	776.2	764.1	757.4	750.0	747.2	746.6	754.3	768.2	778.6	779.6
47.5°	859.3	856.5	848.9	841.7	839.0	835.6	832.5	838.4	852.2	859.6	861.8
50°	943.7	944.3	944.3	943.0	945.8	946.4	938.1	940.3	948.0	947.4	946.7
52.5°	1040.1	1043.4	1059.4	1061.0	1074.2	1083.1	1068.0	1059.1	1056.3	1039.7	1040.9
55°	1153.4	1156.4	1180.5	1204.4	1240.1	1255.2	1223.5	1195.8	1176.1	1150.9	1152.1
57.5°	1294.6	1296.2	1319.0	1365.2	1421.8	1457.2	1401.5	1346.7	1306.7	1282.6	1273.1
60°	1446.7	1448.2	1481.5	1537.9	1625.9	1669.0	1600.1	1510.5	1460.0	1423.3	1425.8
62.5°	1629.3	1635.5	1665.4	1742.9	1849.8	1898.1	1806.6	1686.9	1618.5	1573.0	1574.8
65°	1824.8	1835.3	1867.9	1953.2	2051.7	2103.8	1991.7	1853.4	1768.5	1712.7	1718.6
67.5°	1951.6	1960.9	2008.0	2102.2	2225.1	2268.2	2123.4	1962.4	1856.2	1789.7	1777.4
70°	1919.4	1927.0	1989.8	2123.4	2305.4	2359.9	2154.9	1946.5	1821.4	1744.8	1739.8
72.5°	1694.3	1678.3	1770.0	1961.8	2213.7	2305.1	2056.0	1777.7	1620.3	1541.6	1532.3
75°	1122.8	1157.7	1293.1	1519.1	1872.9	1986.2	1754.9	1427.3	1229.4	1163.8	1153.6
77.5°	375.3	402.1	522.5	861.1	1276.8	1447.1	1278.6	933.5	660.4	532.0	534.5
80°	99.4	98.2	127.2	236.8	551.7	838.0	642.2	316.2	173.0	125.3	118.9
82.5°	35.7	40.0	51.4	65.6	146.3	260.5	183.8	88.6	65.0	48.0	46.5
85°	15.7	15.4	22.2	26.2	36.6	48.6	43.1	37.6	33.0	21.8	20.4
87.5°	3.4	3.4	5.2	4.0	6.5	6.5	8.0	9.6	9.9	6.5	5.2
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)