

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: P646705

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P646705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5841.9 lumens
Efficiency: N/A
Efficacy: 102.5 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

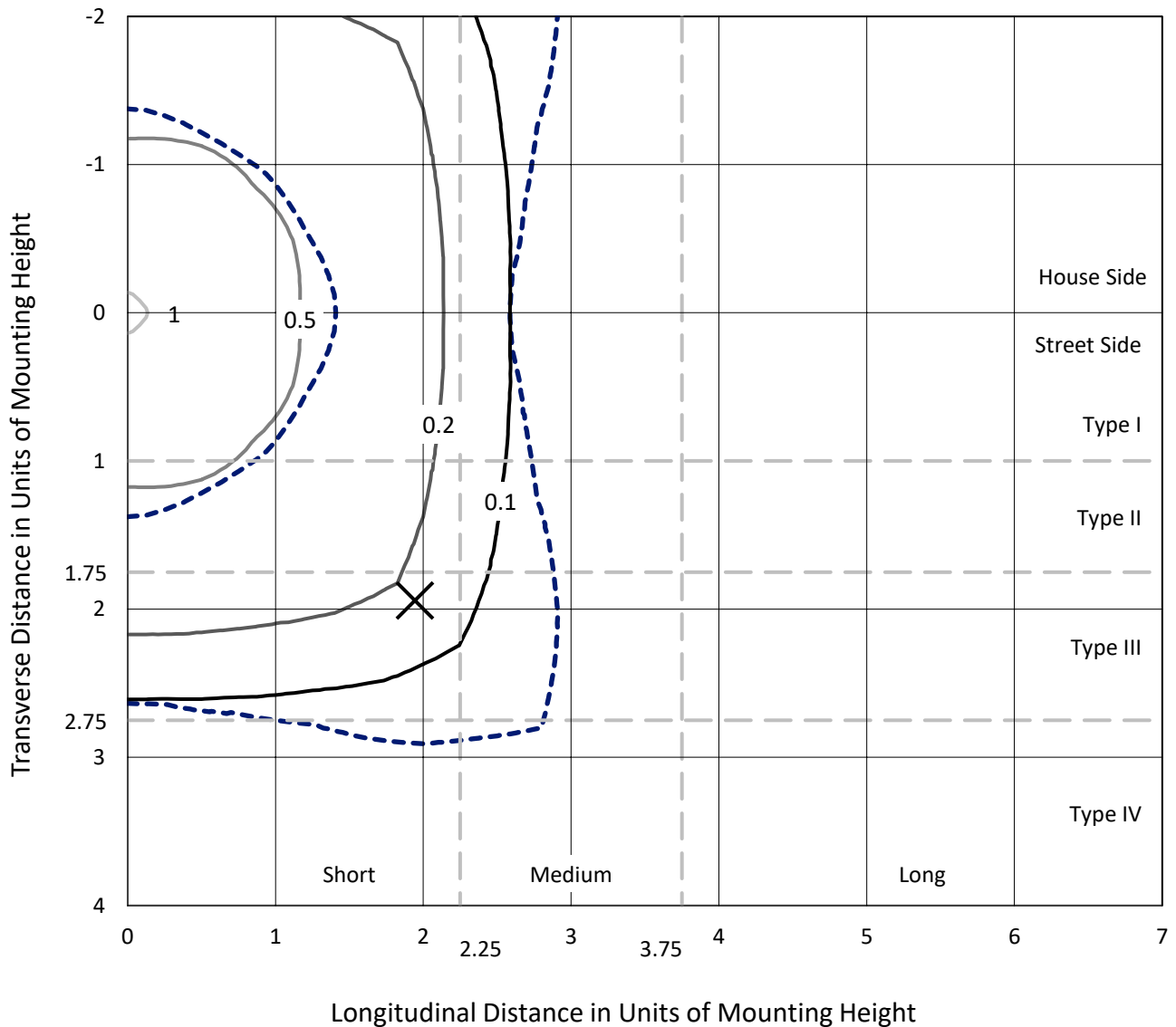
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

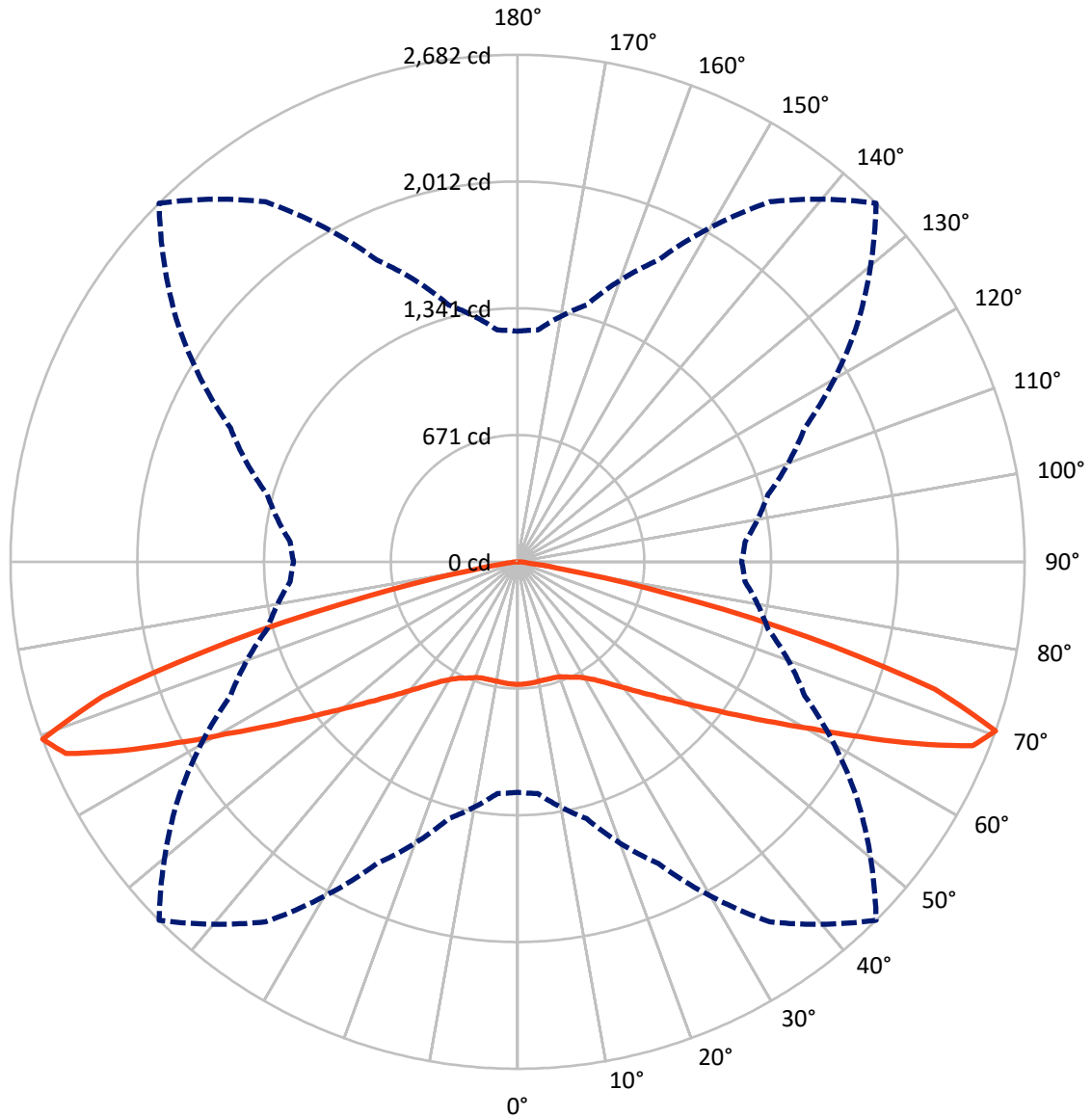
× Max cd
 - - - 1/2 Max cd



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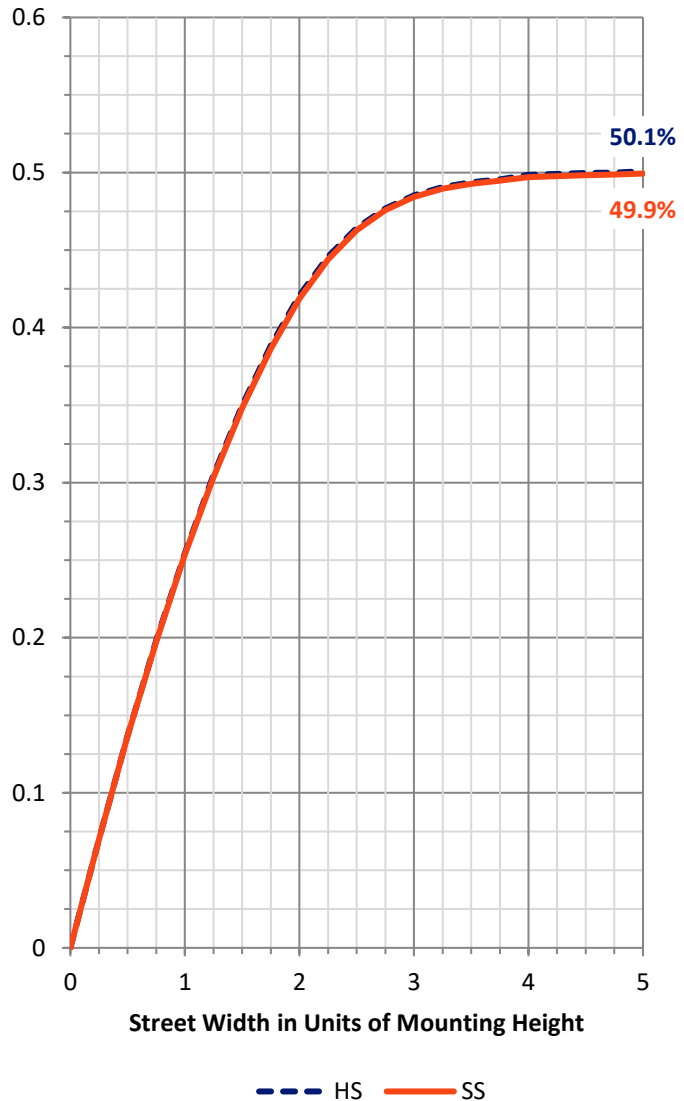
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2921.0	0.0	2921.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2921.0	0.0	2921.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5841.9	0.0	5841.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.1
10°-20°	180.5	3.1
20°-30°	308.7	5.3
30°-40°	490.0	8.4
40°-50°	790.6	13.5
50°-60°	1286.3	22.0
60°-70°	1864.6	31.9
70°-80°	827.1	14.2
80°-90°	32.6	0.6
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°	5841.9	100.0
0°-180°	5841.9	100.0

Coefficient of Utilization



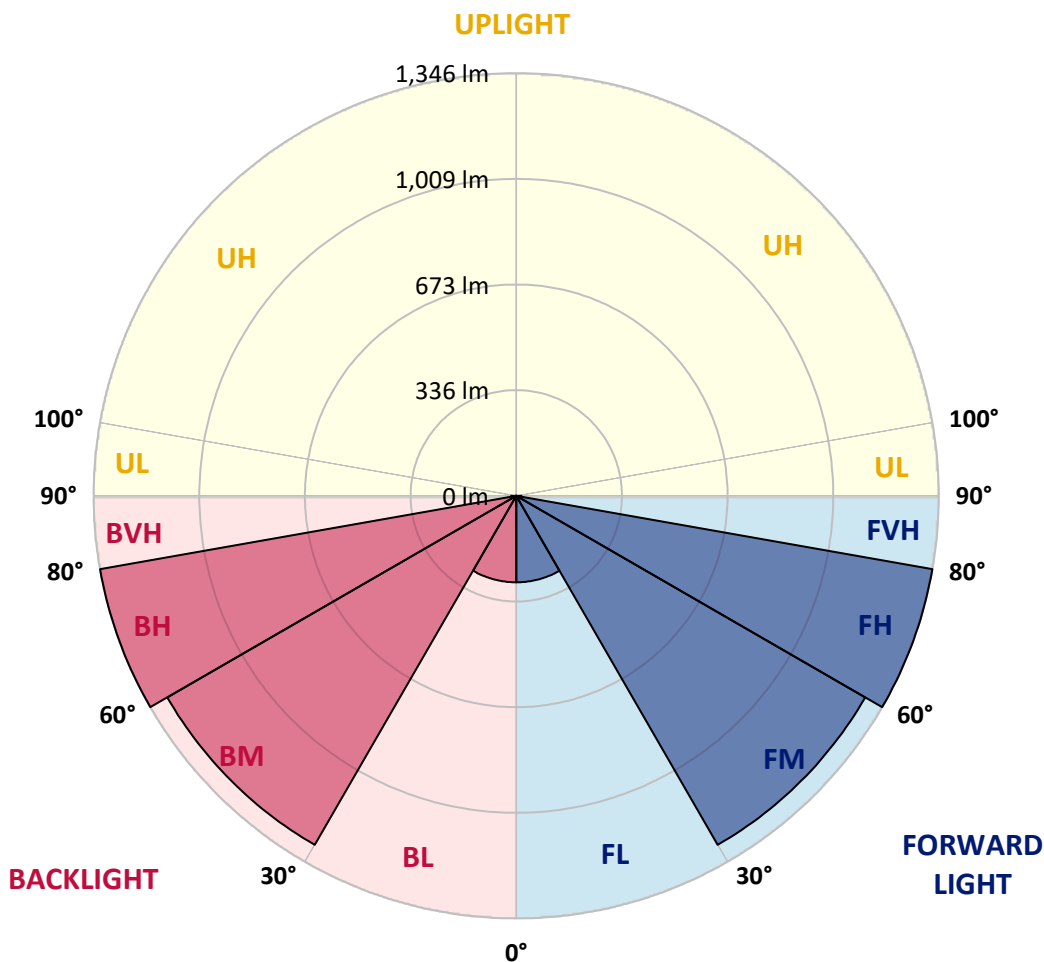
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.4	4.7			
FM (30°-60°)	1283.4	22.0			
FH (60°-80°)	1345.8	23.0			G1/1800
FVH (80°-90°)	16.3	0.3			G1/100
BL (0°-30°)	275.4	4.7	B1/500		
BM (30°-60°)	1283.4	22.0	B2/2500		
BH (60°-80°)	1345.8	23.0	B3/2500		G1/1800
BVH (80°-90°)	16.3	0.3			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°	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7
2.5°	648.7	649.3	648.4	647.8	647.5	647.5	647.1	647.5	649.3	649.7	648.7
5°	646.8	647.5	647.1	646.6	646.3	646.3	646.0	645.7	647.1	647.8	647.5
7.5°	644.4	644.7	644.4	644.1	644.4	644.1	643.2	642.5	643.8	643.8	643.5
10°	640.1	640.7	640.4	640.7	641.4	641.4	640.1	638.8	639.2	638.5	638.5
12.5°	634.9	635.8	636.1	637.4	638.8	640.7	637.9	635.2	634.5	634.2	633.9
15°	631.5	632.4	633.6	634.9	637.7	641.7	637.7	633.3	632.1	630.9	630.2
17.5°	630.5	631.8	633.6	635.5	639.2	643.2	639.8	635.5	632.4	630.5	629.9
20°	633.1	633.9	636.7	640.1	645.3	649.3	646.0	641.4	636.7	633.9	633.1
22.5°	637.9	639.5	642.8	649.0	656.4	662.3	657.6	650.0	642.5	638.8	637.7
25°	648.7	650.0	654.0	662.3	670.9	676.4	671.5	662.6	652.4	647.5	646.0
27.5°	665.0	666.9	671.2	681.1	688.1	691.2	687.8	681.7	674.2	669.1	667.8
30°	688.1	690.3	696.8	707.2	711.8	713.7	712.1	708.1	702.9	697.3	696.2
32.5°	719.3	720.4	727.9	737.7	742.0	742.6	740.8	738.9	730.3	721.1	720.4
35°	754.0	756.1	765.1	776.8	780.8	781.1	777.4	774.6	764.5	757.1	757.1
37.5°	800.2	801.2	809.8	823.0	827.3	826.1	824.2	821.8	811.0	801.4	801.7
40°	854.4	856.2	863.6	879.0	879.0	877.5	878.7	876.9	866.1	856.8	857.2
42.5°	918.8	919.6	928.6	944.9	943.7	940.6	941.9	939.4	932.6	922.1	918.5
45°	987.4	991.1	1006.5	1022.2	1019.7	1009.9	1014.8	1014.2	1008.0	992.3	993.2
47.5°	1070.2	1076.4	1091.2	1109.9	1107.2	1091.7	1097.3	1101.0	1092.4	1075.1	1072.1
50°	1163.5	1167.5	1189.4	1206.9	1204.5	1188.1	1200.7	1201.4	1179.8	1155.5	1155.5
52.5°	1263.0	1267.0	1296.5	1323.9	1325.5	1301.7	1311.9	1311.3	1276.2	1244.2	1238.0
55°	1374.4	1376.3	1414.4	1454.8	1463.4	1440.3	1441.5	1429.2	1383.6	1346.4	1343.0
57.5°	1489.6	1496.3	1538.5	1590.9	1616.4	1602.3	1595.8	1562.9	1518.8	1476.0	1473.8
60°	1617.1	1617.4	1672.2	1734.0	1785.8	1795.3	1768.8	1724.8	1667.9	1611.2	1608.8
62.5°	1705.4	1718.6	1787.9	1892.6	1985.3	2038.9	1968.9	1876.6	1764.5	1673.0	1663.8
65°	1723.5	1732.5	1838.1	2015.4	2204.8	2320.3	2158.6	1962.2	1771.0	1649.1	1642.9
67.5°	1576.7	1586.3	1728.5	2000.6	2358.7	2595.5	2281.7	1920.9	1661.4	1510.5	1498.5
70°	1219.5	1230.3	1406.1	1761.1	2324.6	2682.0	2194.0	1675.5	1370.1	1207.2	1185.4
72.5°	648.4	688.1	838.4	1208.8	1886.7	2309.1	1799.0	1222.7	883.6	722.3	693.3
75°	236.8	241.7	325.4	536.0	1097.6	1583.5	1139.8	583.2	335.3	258.9	245.7
77.5°	97.9	97.6	107.1	161.9	398.7	811.0	444.9	171.2	106.8	98.8	97.6
80°	57.9	57.9	63.7	67.4	105.0	244.8	117.3	76.3	64.0	58.5	59.4
82.5°	25.8	27.4	40.3	42.5	50.8	67.1	56.7	48.6	41.9	29.0	26.2
85°	14.2	12.3	21.2	22.2	24.4	25.0	26.8	26.5	24.4	14.2	14.5
87.5°	2.7	3.4	6.2	4.6	5.2	4.6	6.2	8.6	8.9	4.9	4.0
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)