

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: P650665

Luminaire Tested: **GALN-SA1C-840-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650665
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-840-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6274.7 lumens
Efficiency: N/A
Efficacy: 110.1 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

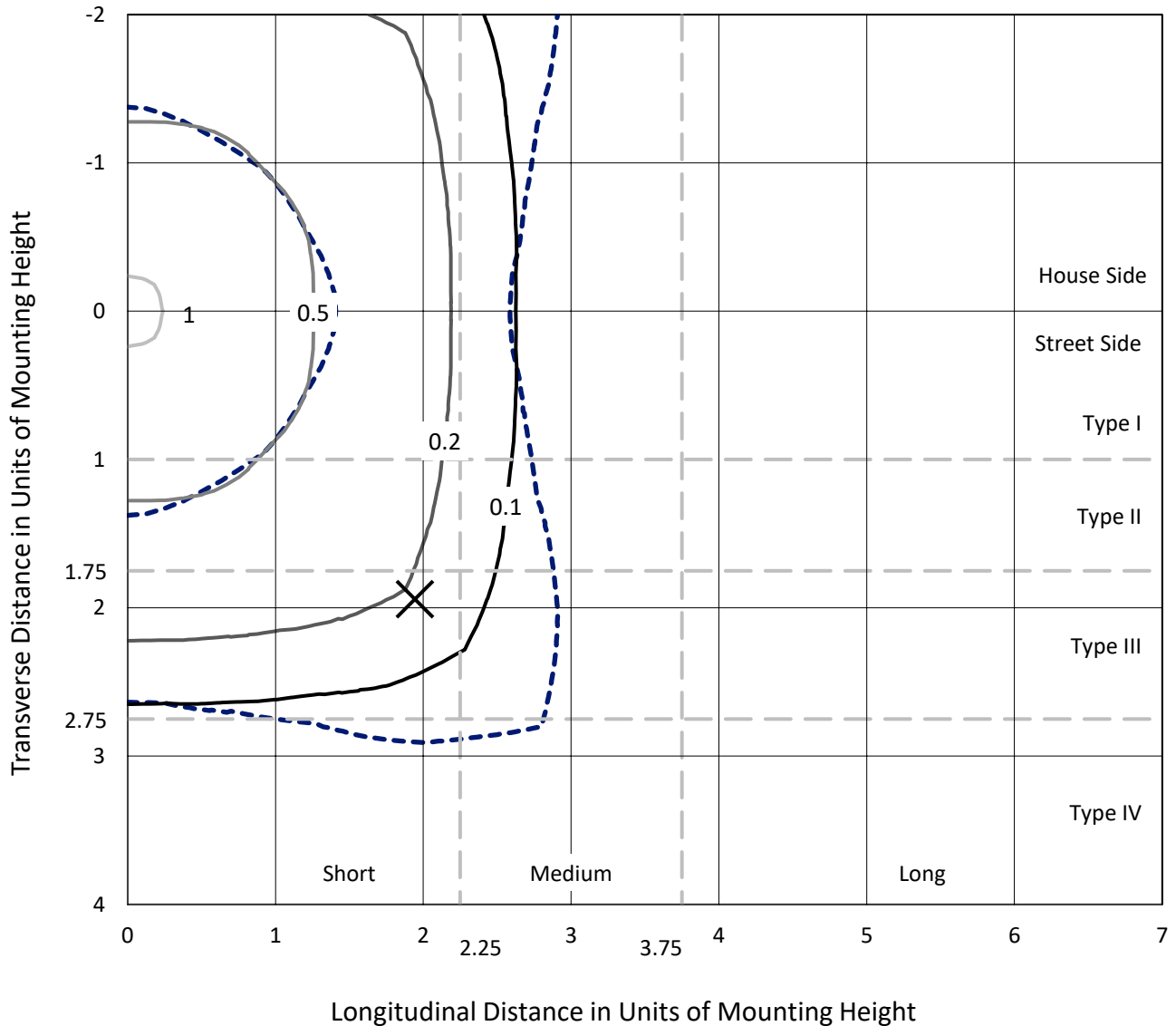
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

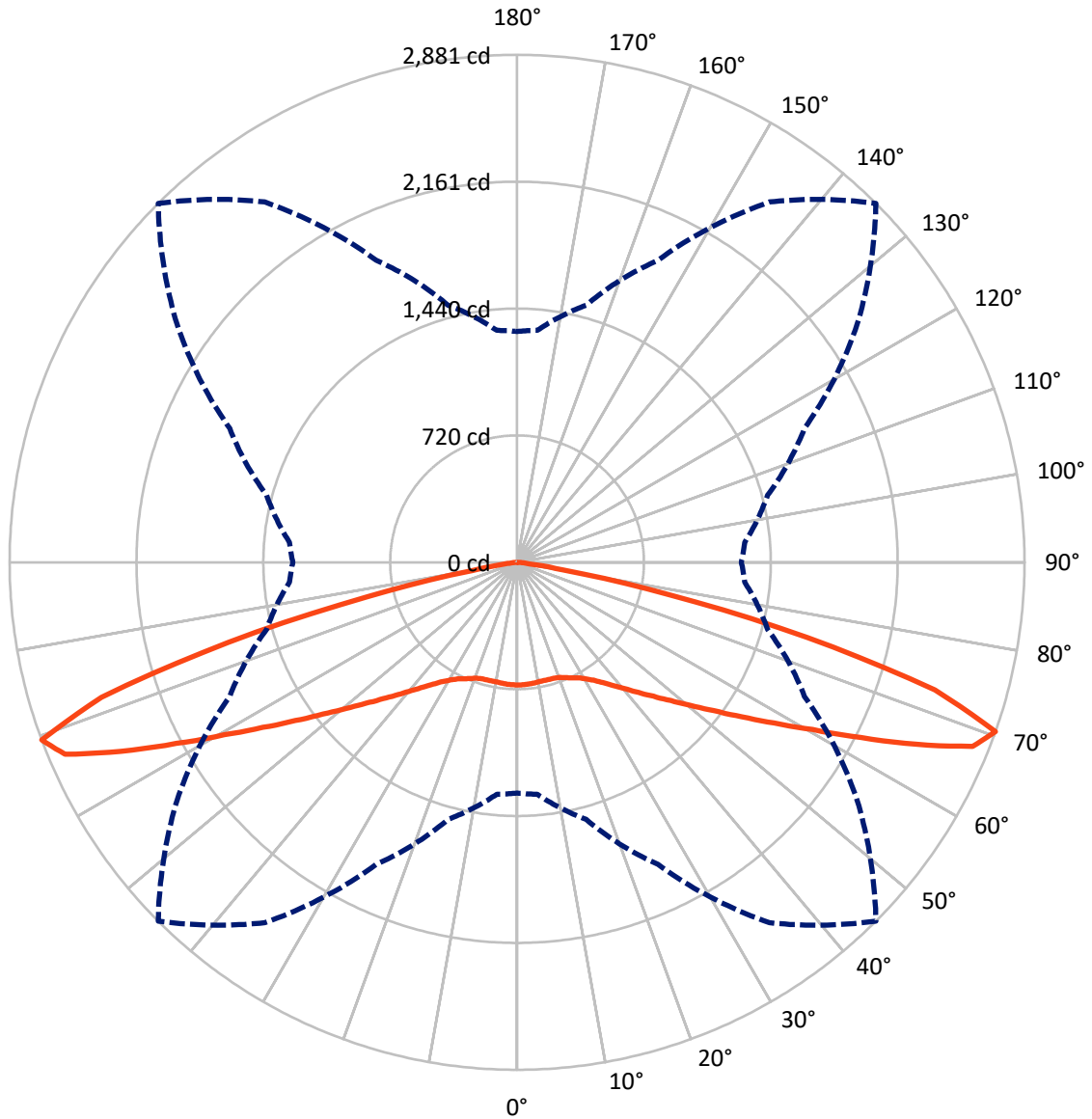
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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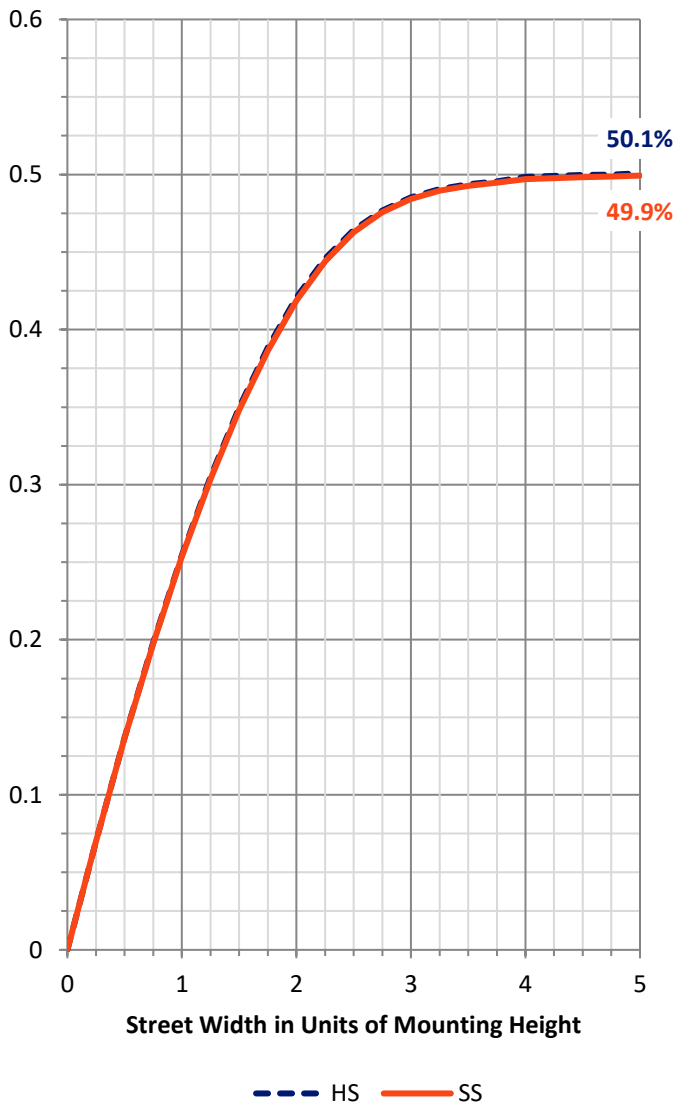
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.3	0.0	3137.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3137.3	0.0	3137.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6274.7	0.0	6274.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.1
10°-20°	193.9	3.1
20°-30°	331.6	5.3
30°-40°	526.3	8.4
40°-50°	849.1	13.5
50°-60°	1381.5	22.0
60°-70°	2002.7	31.9
70°-80°	888.3	14.2
80°-90°	35.0	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°	6274.7	100.0
0°-180°	6274.7	100.0

Coefficient of Utilization



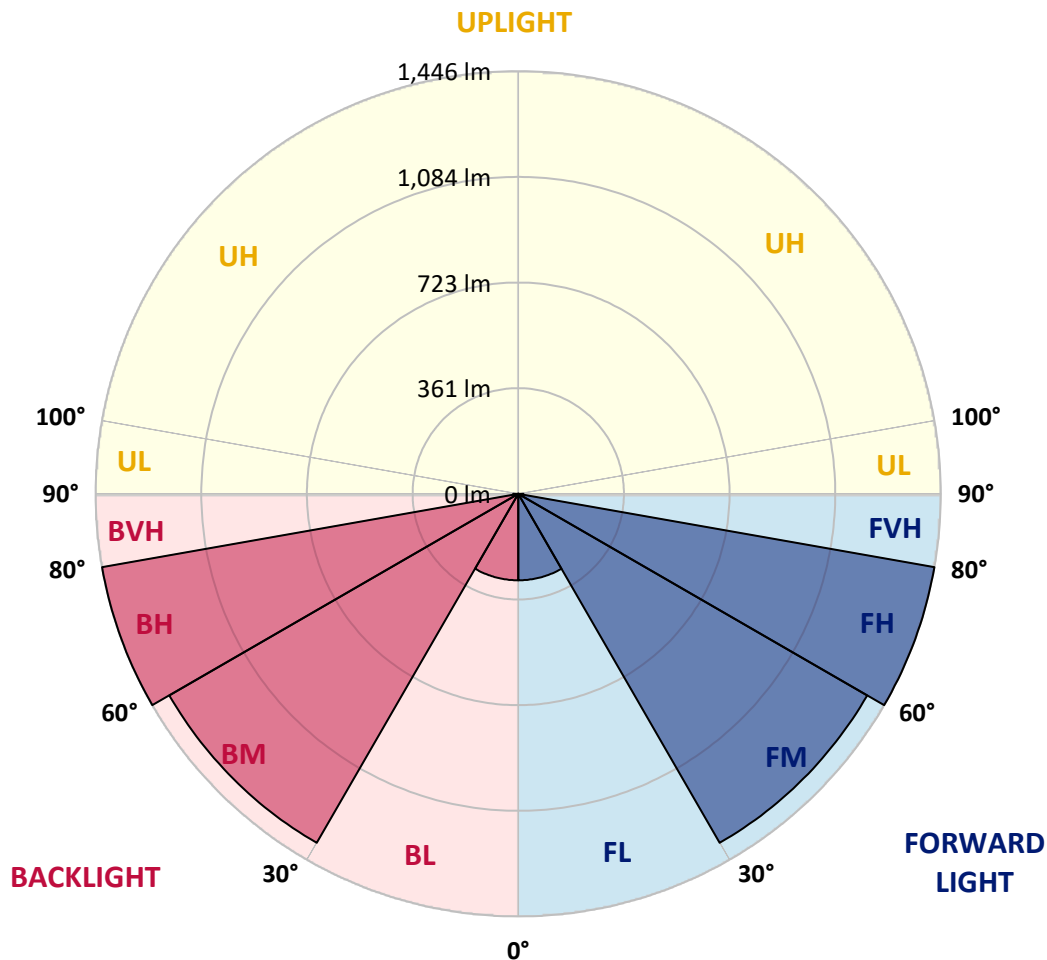
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.8	4.7			
FM (30°-60°)	1378.5	22.0			
FH (60°-80°)	1445.5	23.0			G1/1800
FVH (80°-90°)	17.5	0.3			G1/100
BL (0°-30°)	295.8	4.7	B1/500		
BM (30°-60°)	1378.5	22.0	B2/2500		
BH (60°-80°)	1445.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	17.5	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°	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8	696.8
2.5°	696.8	697.4	696.4	695.8	695.4	695.4	695.1	695.4	697.4	697.8	696.8
5°	694.8	695.4	695.1	694.5	694.2	694.2	693.8	693.5	695.1	695.8	695.4
7.5°	692.1	692.5	692.1	691.8	692.1	691.8	690.8	690.1	691.5	691.5	691.1
10°	687.5	688.2	687.9	688.2	688.9	688.9	687.5	686.2	686.5	685.8	685.8
12.5°	681.9	682.9	683.2	684.6	686.2	688.2	685.2	682.2	681.5	681.2	680.9
15°	678.3	679.3	680.5	681.9	684.9	689.2	684.9	680.2	678.9	677.6	676.9
17.5°	677.3	678.6	680.5	682.6	686.5	690.8	687.2	682.6	679.3	677.3	676.6
20°	679.9	680.9	683.9	687.5	693.2	697.4	693.8	688.9	683.9	680.9	679.9
22.5°	685.2	686.8	690.5	697.1	705.0	711.3	706.4	698.1	690.1	686.2	684.9
25°	696.8	698.1	702.4	711.3	720.6	726.5	721.2	711.7	700.7	695.4	693.8
27.5°	714.3	716.3	720.9	731.5	739.1	742.4	738.7	732.2	724.2	718.6	717.3
30°	739.1	741.4	748.4	759.6	764.6	766.6	764.9	760.6	755.0	749.0	747.7
32.5°	772.5	773.8	781.8	792.3	797.0	797.6	795.7	793.7	784.4	774.5	773.8
35°	809.9	812.2	821.7	834.4	838.6	839.0	835.0	832.0	821.2	813.2	813.2
37.5°	859.5	860.5	869.8	884.0	888.6	887.3	885.2	882.6	871.0	860.8	861.1
40°	917.7	919.6	927.6	944.1	944.1	942.5	943.8	941.8	930.2	920.3	920.6
42.5°	986.8	987.8	997.3	1014.9	1013.6	1010.3	1011.6	1008.9	1001.7	990.4	986.5
45°	1060.5	1064.5	1081.0	1097.9	1095.2	1084.7	1089.9	1089.3	1082.7	1065.8	1066.8
47.5°	1149.5	1156.1	1172.0	1192.1	1189.2	1172.6	1178.6	1182.5	1173.3	1154.8	1151.5
50°	1249.7	1254.0	1277.5	1296.3	1293.7	1276.1	1289.7	1290.3	1267.2	1241.1	1241.1
52.5°	1356.5	1360.8	1392.5	1422.0	1423.6	1398.2	1409.1	1408.4	1370.7	1336.3	1329.7
55°	1476.2	1478.2	1519.2	1562.6	1571.8	1547.0	1548.3	1535.1	1486.1	1446.1	1442.5
57.5°	1599.9	1607.2	1652.5	1708.7	1736.2	1720.9	1714.0	1678.6	1631.3	1585.4	1583.0
60°	1736.8	1737.2	1796.0	1862.5	1918.1	1928.3	1899.8	1852.6	1791.4	1730.5	1727.9
62.5°	1831.7	1845.9	1920.3	2032.8	2132.4	2189.9	2114.8	2015.6	1895.2	1797.0	1787.0
65°	1851.2	1860.8	1974.2	2164.7	2368.1	2492.1	2318.5	2107.5	1902.2	1771.2	1764.6
67.5°	1693.5	1703.8	1856.5	2148.8	2533.4	2787.7	2450.8	2063.2	1784.4	1622.4	1609.5
70°	1309.9	1321.5	1510.3	1891.6	2496.8	2880.7	2356.6	1799.7	1471.6	1296.7	1273.2
72.5°	696.4	739.1	900.5	1298.3	2026.5	2480.2	1932.3	1313.2	949.1	775.8	744.7
75°	254.3	259.6	349.5	575.7	1178.9	1700.8	1224.2	626.4	360.1	278.1	263.9
77.5°	105.1	104.8	115.0	173.9	428.2	871.0	477.9	183.8	114.7	106.1	104.8
80°	62.1	62.1	68.5	72.4	112.8	262.9	126.0	82.0	68.8	62.8	63.8
82.5°	27.8	29.4	43.3	45.7	54.6	72.1	60.9	52.2	45.0	31.1	28.1
85°	15.2	13.2	22.8	23.8	26.2	26.8	28.8	28.4	26.2	15.2	15.6
87.5°	2.9	3.6	6.6	5.0	5.6	5.0	6.6	9.3	9.6	5.3	4.3
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)