

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: P650668

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
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-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6243.6 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

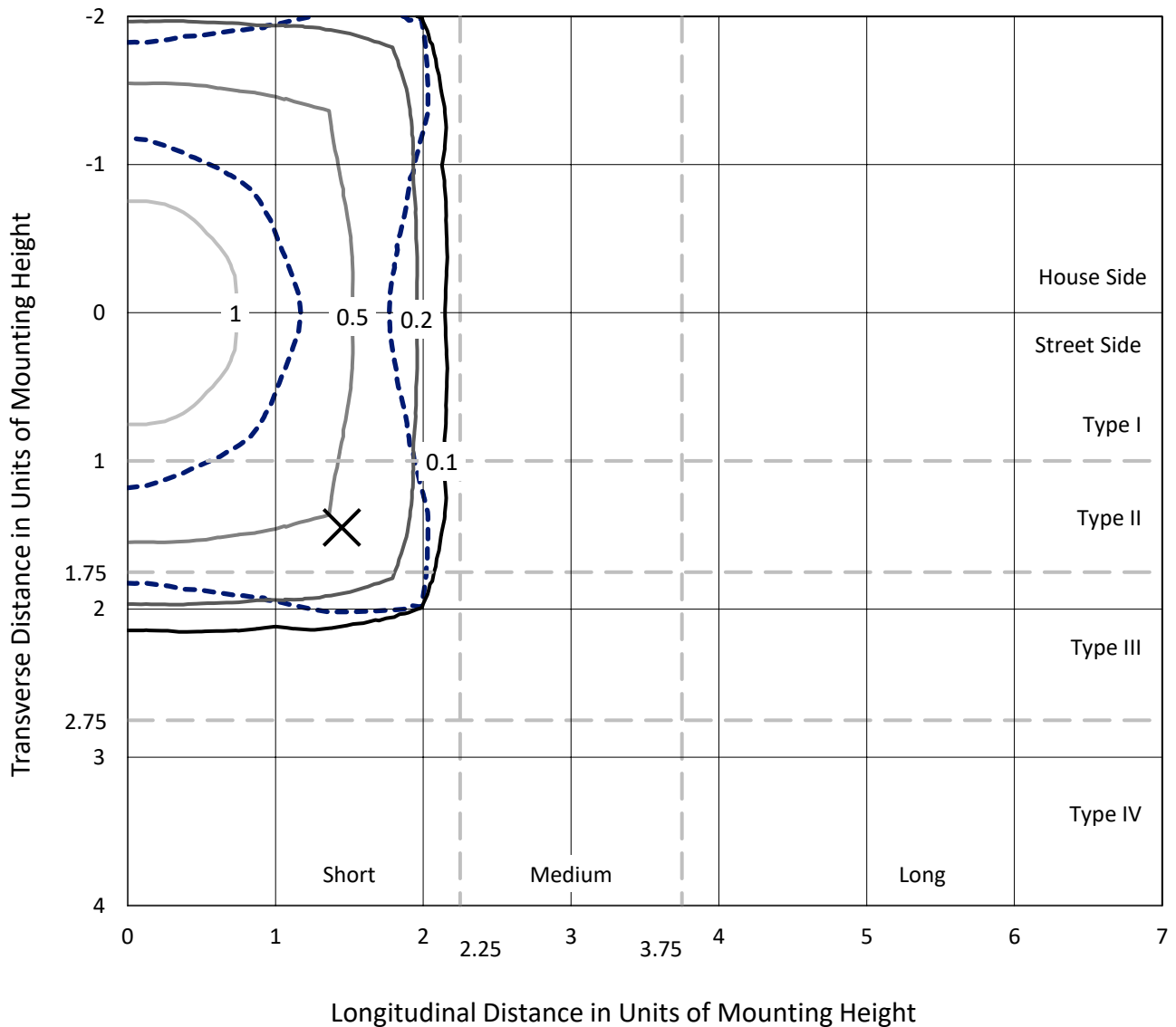
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

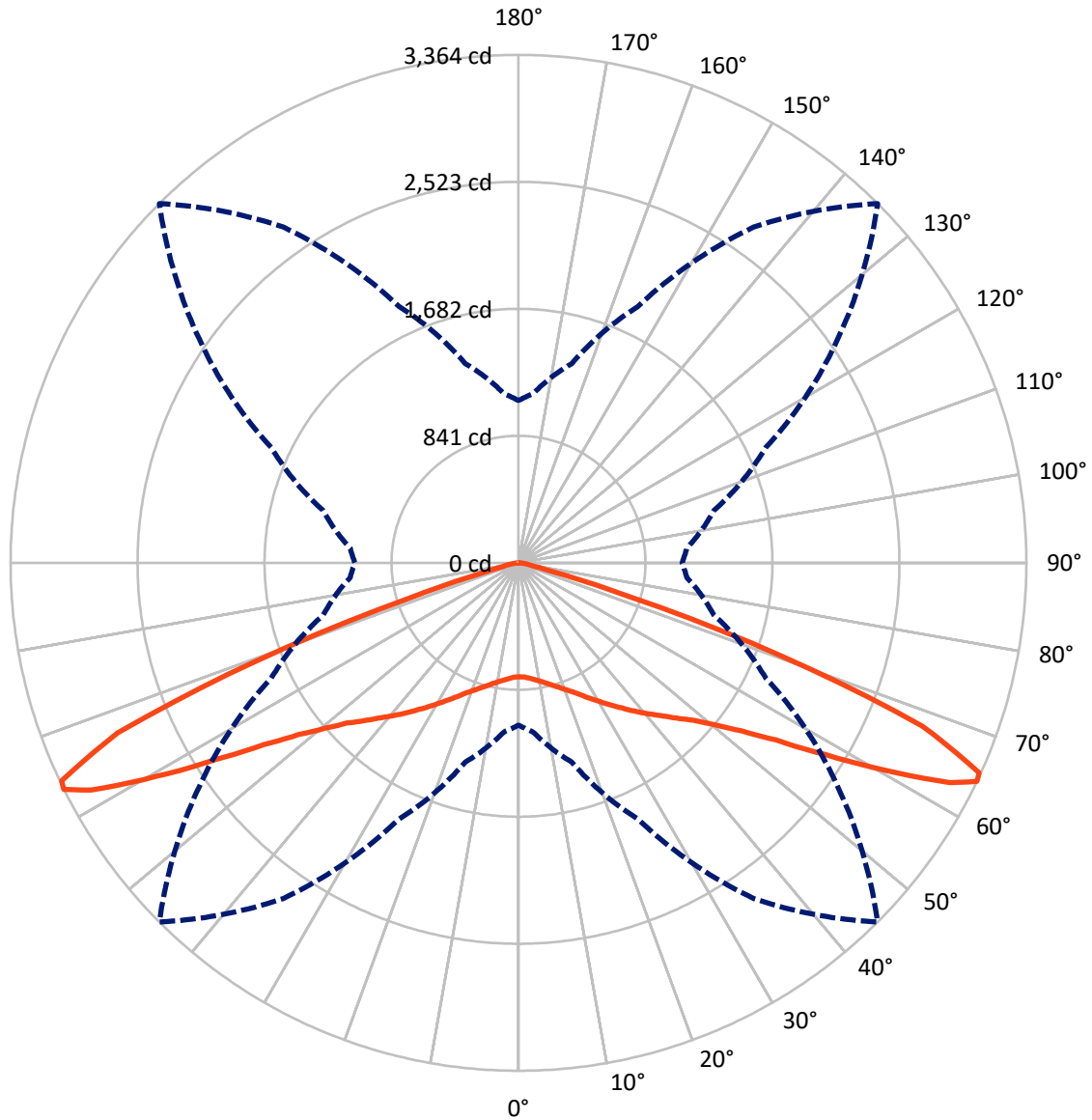
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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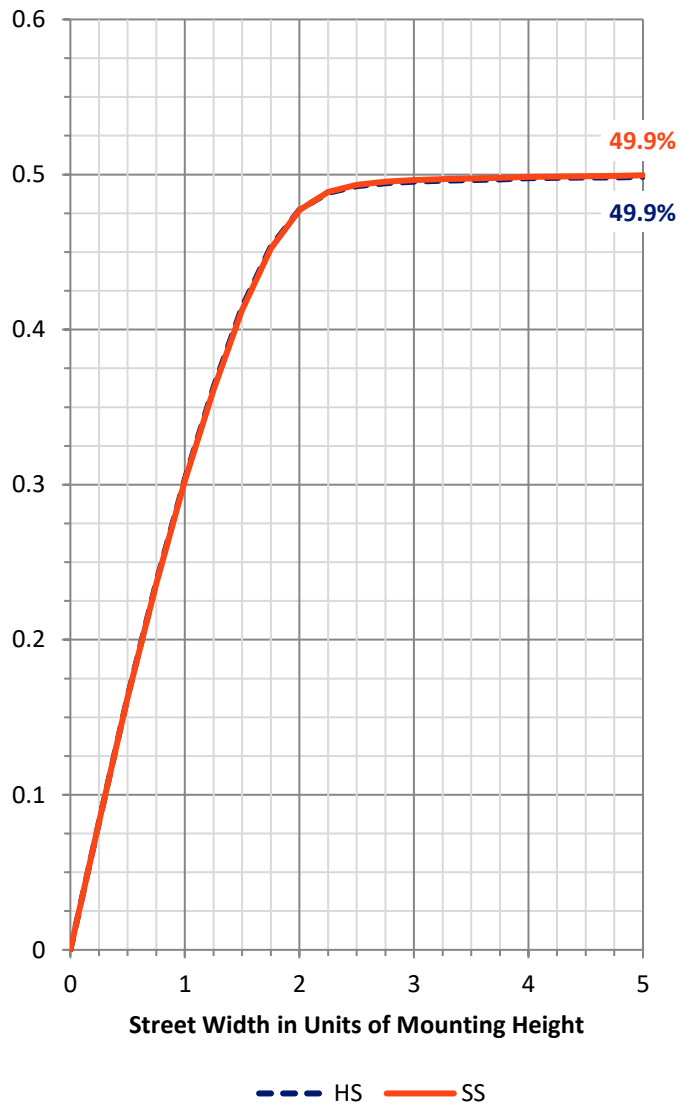
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3121.8	0.0	3121.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3121.8	0.0	3121.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6243.6	0.0	6243.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.2
10°-20°	239.1	3.8
20°-30°	451.9	7.2
30°-40°	748.4	12.0
40°-50°	1168.4	18.7
50°-60°	1806.3	28.9
60°-70°	1557.6	24.9
70°-80°	176.5	2.8
80°-90°	21.1	0.3
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°	6243.6	100.0
0°-180°	6243.6	100.0

Coefficient of Utilization



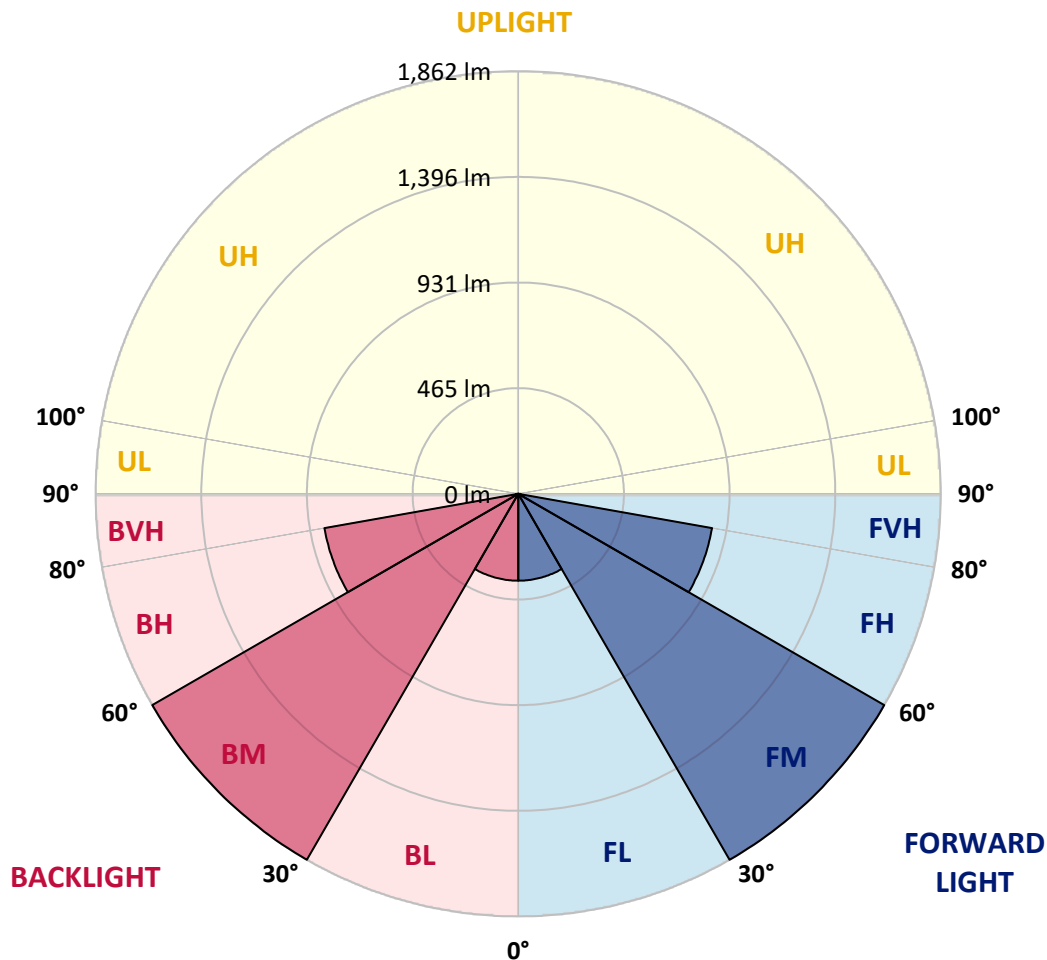
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.6	6.1			
FM (30°-60°)	1861.6	29.8			
FH (60°-80°)	867.0	13.9			G1/1800
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	382.6	6.1	B1/500		
BM (30°-60°)	1861.6	29.8	B2/2500		
BH (60°-80°)	867.0	13.9	B2/1000		G1/1800
BVH (80°-90°)	10.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	757.7	759.3	757.9	757.7	757.3	757.3	757.3	757.7	758.9	759.9	759.3
5°	767.2	768.5	767.8	767.6	767.2	767.6	766.9	766.6	767.6	767.6	767.2
7.5°	779.1	780.8	780.1	780.8	781.1	781.5	779.8	778.4	778.1	779.1	778.4
10°	795.3	796.7	796.9	797.3	797.9	797.6	795.7	793.3	793.0	792.6	792.3
12.5°	813.5	814.5	814.8	816.2	817.1	817.5	815.2	813.2	809.9	810.6	809.2
15°	834.0	836.0	835.7	837.6	840.3	840.9	838.6	835.4	832.3	830.7	829.7
17.5°	859.2	860.4	859.8	861.8	865.1	866.7	864.8	860.4	857.5	853.9	851.8
20°	888.9	891.2	891.9	891.9	894.8	896.5	893.6	892.2	887.6	884.9	883.3
22.5°	922.7	923.6	925.6	927.6	930.6	929.9	928.9	927.0	922.7	920.3	917.7
25°	960.7	961.7	966.6	970.9	971.9	971.3	969.9	968.9	965.0	959.7	957.6
27.5°	1005.0	1006.9	1013.6	1017.5	1017.5	1017.9	1015.3	1018.5	1010.0	1003.6	1003.0
30°	1060.5	1061.8	1067.5	1071.4	1069.5	1067.8	1067.1	1070.4	1061.2	1050.0	1047.3
32.5°	1115.4	1120.0	1125.0	1133.6	1126.7	1123.7	1123.1	1125.3	1114.7	1102.2	1098.6
35°	1174.3	1177.6	1186.8	1194.1	1187.8	1180.9	1183.9	1191.2	1178.6	1161.8	1161.1
37.5°	1239.5	1242.4	1254.4	1261.9	1257.3	1245.4	1250.3	1259.0	1246.4	1225.6	1221.2
40°	1307.3	1313.5	1328.4	1336.3	1328.7	1312.9	1322.1	1331.4	1320.1	1296.0	1286.4
42.5°	1383.3	1393.2	1414.7	1418.7	1404.1	1382.6	1398.8	1413.7	1405.8	1378.0	1374.4
45°	1472.3	1478.2	1504.6	1513.2	1493.1	1466.3	1486.5	1513.5	1507.7	1475.5	1468.6
47.5°	1571.7	1577.4	1604.9	1617.7	1592.3	1556.3	1592.6	1628.0	1624.4	1590.0	1586.6
50°	1689.5	1690.8	1728.8	1743.4	1717.9	1686.9	1719.3	1763.2	1748.7	1704.7	1704.0
52.5°	1818.5	1820.2	1868.1	1896.2	1882.0	1846.9	1885.3	1912.1	1875.0	1817.5	1813.2
55°	1930.3	1938.5	2004.0	2078.7	2098.2	2072.8	2084.3	2071.8	1980.6	1899.8	1887.3
57.5°	1975.9	1992.1	2091.7	2231.2	2358.2	2395.8	2306.6	2186.9	2022.5	1908.4	1896.2
60°	1864.4	1882.0	2036.4	2301.3	2625.3	2789.1	2538.1	2206.4	1927.0	1766.6	1747.3
62.5°	1493.1	1498.1	1725.2	2136.3	2781.1	3205.1	2635.6	2040.0	1648.9	1430.9	1423.3
64°	1074.5	1125.3	1366.1	1873.1	2713.0	3363.5	2579.4	1806.9	1339.3	1118.7	1083.0
65°	803.6	817.5	1101.2	1599.6	2593.0	3351.6	2470.3	1584.0	1109.1	856.1	816.4
67.5°	303.6	305.2	406.5	797.3	1845.9	2883.6	1885.3	861.8	467.3	338.0	325.7
70°	126.0	128.3	149.1	268.2	793.3	1851.5	909.0	310.8	171.0	138.6	136.6
72.5°	92.3	93.6	99.9	119.1	244.1	760.3	299.0	132.0	100.2	89.7	88.6
75°	72.4	73.1	77.7	87.6	113.8	210.7	124.3	90.6	76.4	68.8	68.1
77.5°	55.3	56.9	60.2	66.8	76.4	99.9	82.3	67.8	58.9	52.6	51.6
80°	38.0	40.0	46.3	48.9	51.2	64.8	56.2	51.2	46.0	38.3	36.1
82.5°	23.5	24.8	31.1	33.4	32.4	36.4	36.1	36.7	32.7	23.8	22.1
85°	12.2	12.9	16.9	17.5	16.2	14.9	18.5	21.5	20.2	13.5	13.2
87.5°	2.6	2.9	3.6	3.3	3.6	3.6	4.6	7.0	7.3	4.6	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)