

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: P526586

Luminaire Tested: **GALN-SA1C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6407 lumens
Efficiency: N/A
Efficacy: 112.4 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

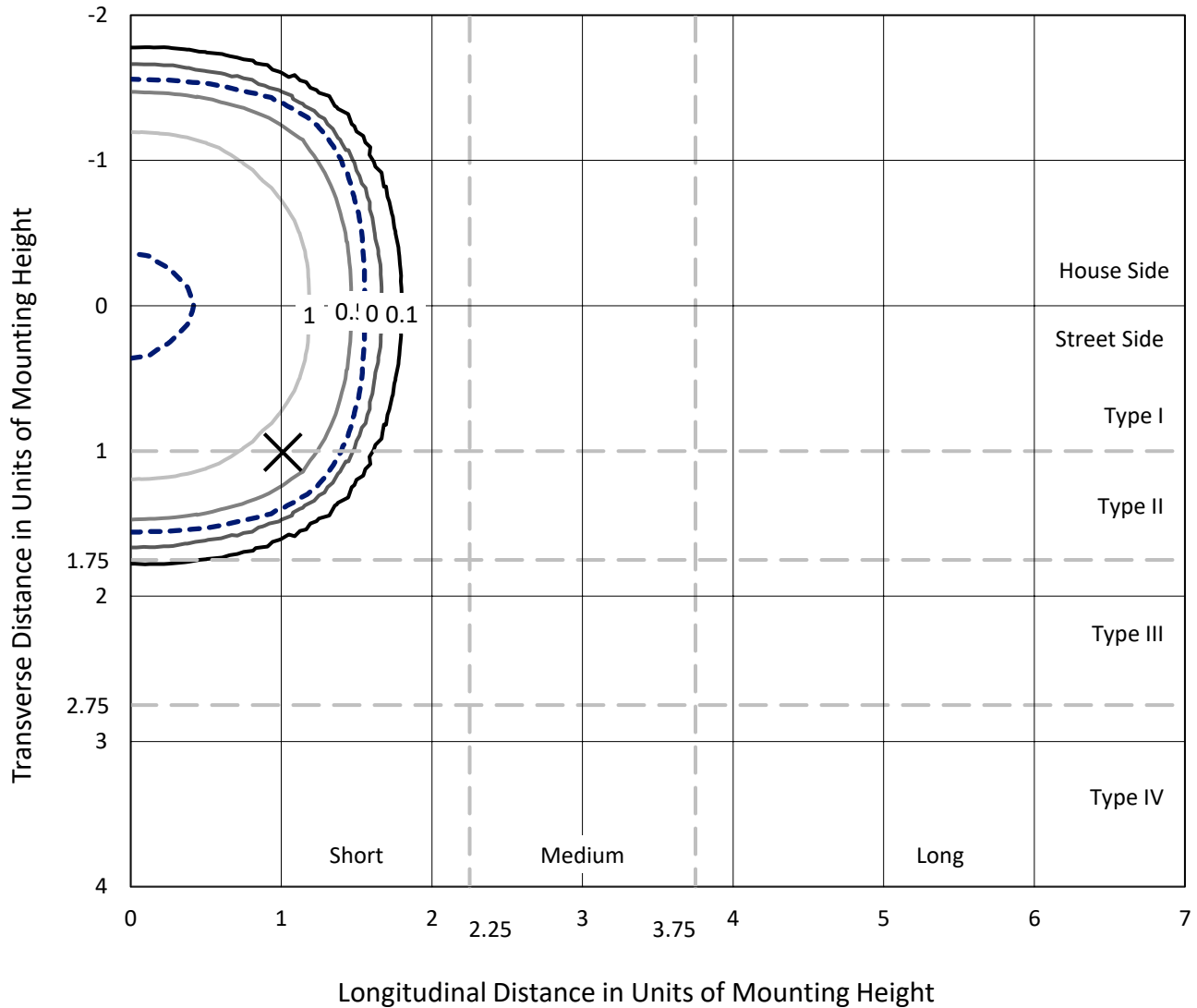
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

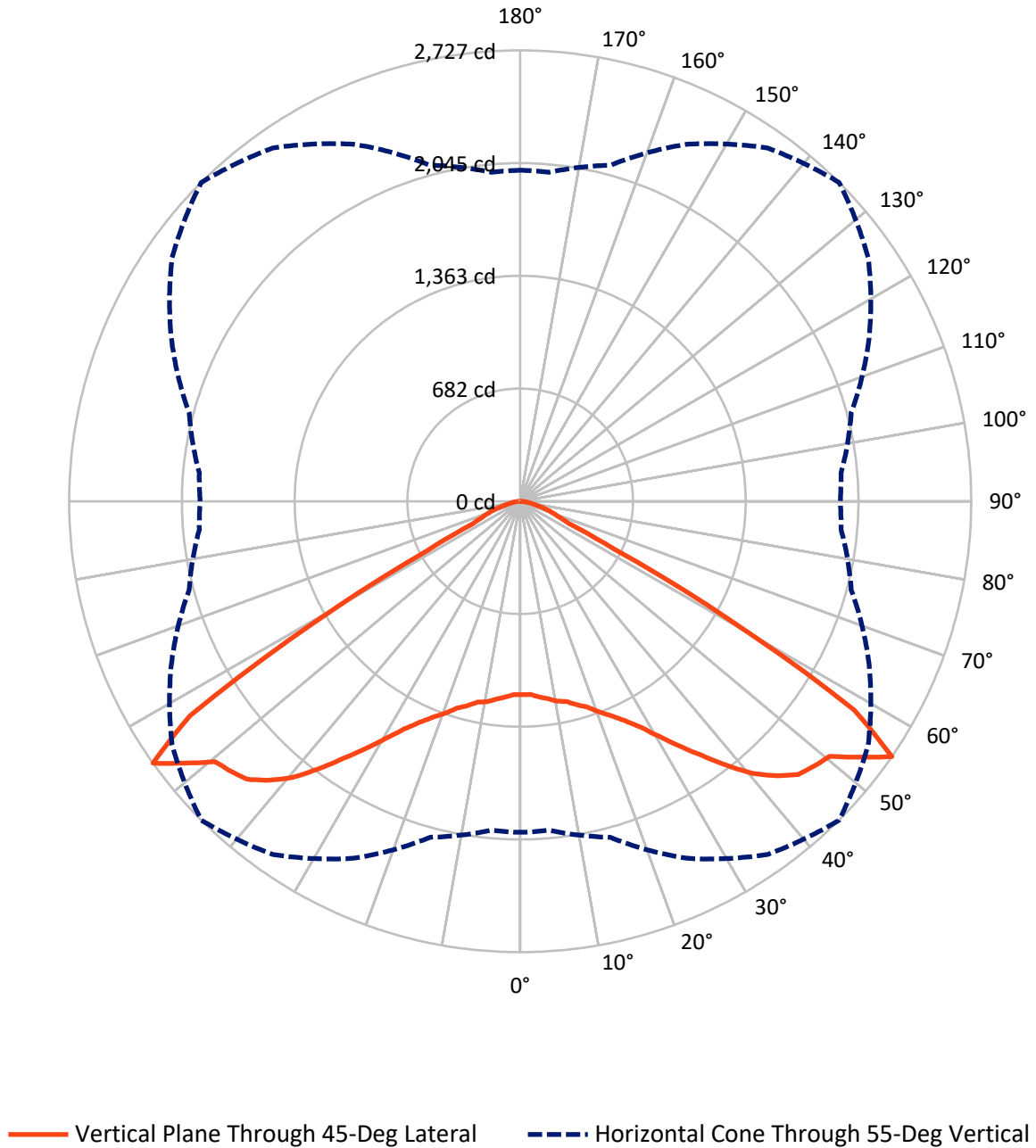
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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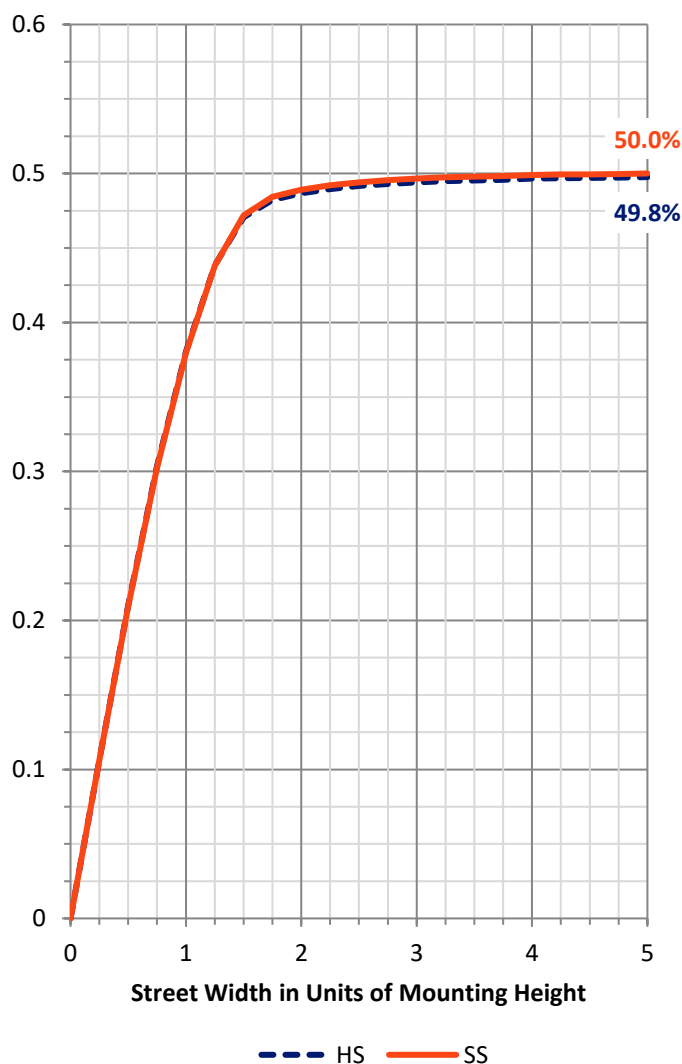
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3203.5	0.0	3203.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3203.5	0.0	3203.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6407.0	0.0	6407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.8
10°-20°	362.1	5.7
20°-30°	675.2	10.5
30°-40°	1130.5	17.6
40°-50°	1759.2	27.5
50°-60°	1826.6	28.5
60°-70°	387.3	6.0
70°-80°	127.6	2.0
80°-90°	24.3	0.4
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°	6407.0	100.0
0°-180°	6407.0	100.0

Coefficient of Utilization



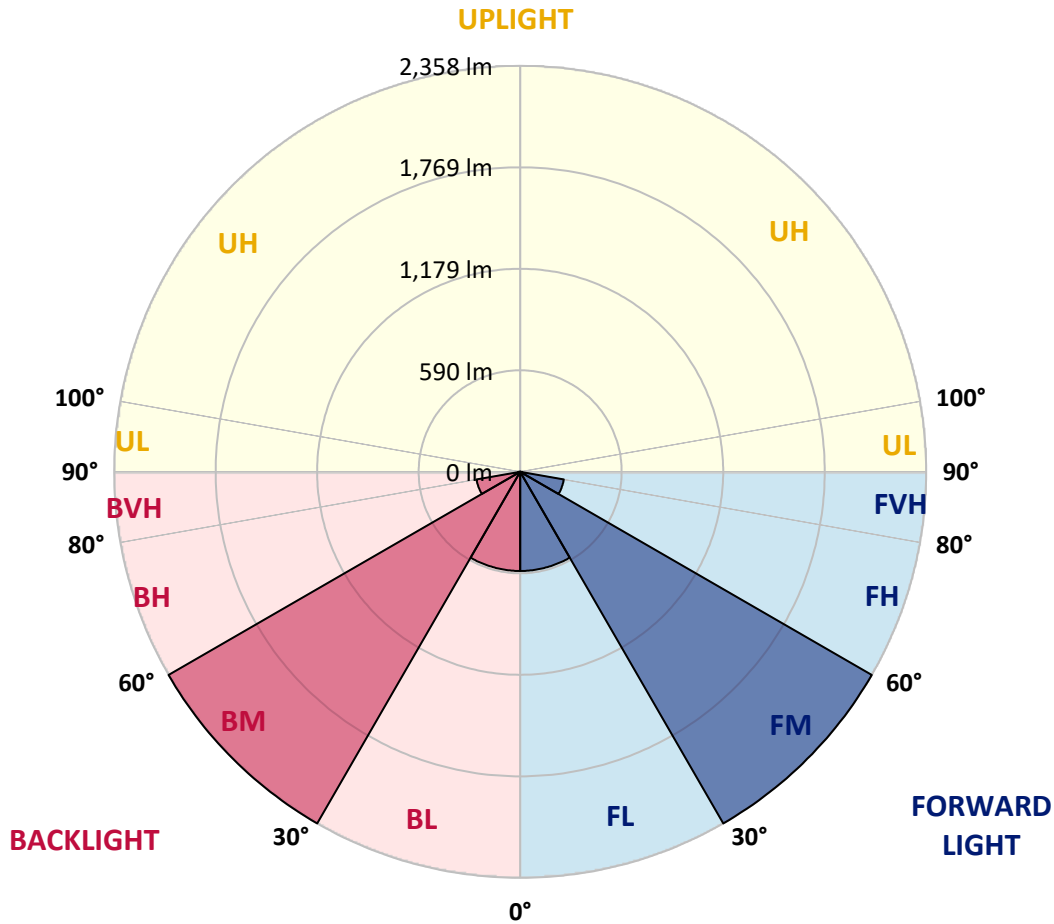
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.8	9.0			
FM (30°-60°)	2358.1	36.8			
FH (60°-80°)	257.5	4.0			G0/660
FVH (80°-90°)	12.1	0.2			G1/100
BL (0°-30°)	575.8	9.0	B2/1000		
BM (30°-60°)	2358.1	36.8	B2/2500		
BH (60°-80°)	257.5	4.0	B1/500		G0/660
BVH (80°-90°)	12.1	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°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
2.5°	1183.8	1178.3	1169.0	1176.0	1181.4	1169.8	1174.5	1176.8	1175.2	1169.0	1171.4
5°	1200.8	1197.7	1190.0	1195.4	1188.4	1188.4	1183.8	1177.6	1186.9	1185.3	1189.2
7.5°	1200.8	1196.9	1212.4	1202.3	1205.4	1205.4	1197.7	1191.5	1196.1	1189.2	1185.3
10°	1224.8	1230.2	1223.2	1225.6	1224.0	1229.4	1217.8	1214.0	1210.1	1207.8	1203.1
12.5°	1253.4	1249.6	1251.9	1250.3	1255.8	1241.8	1234.9	1226.3	1233.3	1223.2	1230.2
15°	1276.7	1274.3	1276.7	1282.9	1277.4	1276.7	1264.3	1255.8	1244.9	1247.2	1236.4
17.5°	1308.4	1306.1	1306.9	1312.3	1311.5	1307.6	1298.3	1282.1	1278.2	1272.0	1265.0
20°	1355.6	1351.8	1350.2	1352.5	1356.4	1359.5	1340.9	1334.7	1321.6	1311.5	1299.9
22.5°	1395.9	1394.3	1400.5	1390.5	1399.0	1408.3	1390.5	1387.4	1354.9	1349.4	1337.1
25°	1451.6	1449.3	1445.4	1460.1	1470.2	1469.4	1452.4	1435.4	1410.6	1404.4	1404.4
27.5°	1510.5	1497.3	1517.4	1521.3	1539.1	1544.5	1529.8	1505.1	1481.8	1468.7	1471.8
30°	1584.0	1571.6	1576.3	1604.2	1627.4	1647.5	1610.3	1574.0	1541.4	1518.2	1514.3
32.5°	1657.6	1645.2	1659.1	1686.2	1732.7	1762.9	1726.5	1663.0	1625.1	1591.0	1598.0
35°	1717.2	1726.5	1748.9	1790.0	1838.0	1886.7	1828.7	1779.9	1725.7	1687.8	1693.2
37.5°	1813.2	1841.8	1859.6	1906.9	1975.0	2025.3	1964.9	1901.4	1843.4	1793.8	1776.8
40°	1938.6	1958.0	1978.1	2033.8	2114.4	2164.7	2107.4	2024.5	1967.3	1916.2	1913.8
42.5°	2076.4	2095.0	2115.9	2184.0	2232.0	2270.0	2217.3	2173.2	2109.7	2069.4	2067.1
45°	2236.7	2223.5	2246.7	2291.6	2331.9	2356.7	2322.6	2300.9	2255.3	2218.1	2214.2
47.5°	2343.5	2331.9	2373.7	2414.0	2420.2	2393.1	2400.0	2420.2	2372.2	2311.0	2330.4
50°	2405.5	2405.5	2433.3	2470.5	2458.9	2424.0	2479.0	2480.6	2432.5	2378.4	2378.4
52.5°	2297.8	2321.8	2400.8	2522.4	2561.1	2571.1	2558.7	2506.1	2380.7	2270.0	2264.5
55°	2002.1	1996.7	2103.5	2382.2	2607.5	2726.7	2568.8	2326.5	2071.8	1947.1	1934.7
57.5°	1302.2	1308.4	1467.9	1752.0	2158.5	2380.7	2114.4	1773.7	1467.9	1296.0	1312.3
60°	586.1	607.0	703.8	915.9	1265.0	1446.2	1268.1	962.3	738.6	641.0	649.6
62.5°	336.8	340.6	344.5	408.8	538.8	637.2	559.7	432.0	380.9	363.9	363.9
65°	284.1	281.8	282.6	288.0	301.9	322.1	313.6	301.9	303.5	301.9	299.6
67.5°	241.6	244.6	242.3	246.2	247.0	250.1	255.5	260.1	260.9	262.5	260.9
70°	198.2	199.0	200.5	203.6	204.4	206.7	214.5	218.3	220.6	220.6	223.7
72.5°	151.7	151.0	152.5	155.6	159.5	160.3	167.2	172.6	175.7	171.9	172.6
75°	99.9	100.6	103.0	105.3	110.7	116.1	118.5	123.9	124.6	126.2	122.3
77.5°	59.6	61.2	63.5	68.1	72.8	77.4	82.8	86.7	88.3	86.7	82.1
80°	38.7	38.7	41.8	45.7	51.1	55.0	58.1	61.2	63.5	61.2	59.6
82.5°	24.0	24.0	27.9	32.5	36.4	38.7	43.4	47.2	49.5	48.0	45.7
85°	12.4	13.2	16.3	20.1	23.2	24.8	24.0	21.7	19.4	18.6	17.0
87.5°	3.9	3.9	4.6	4.6	3.9	3.9	4.6	3.9	4.6	4.6	4.6
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)