

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: P526826

Luminaire Tested: **GALN-SA1D-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6859 lumens
Efficiency: N/A
Efficacy: 105.5 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

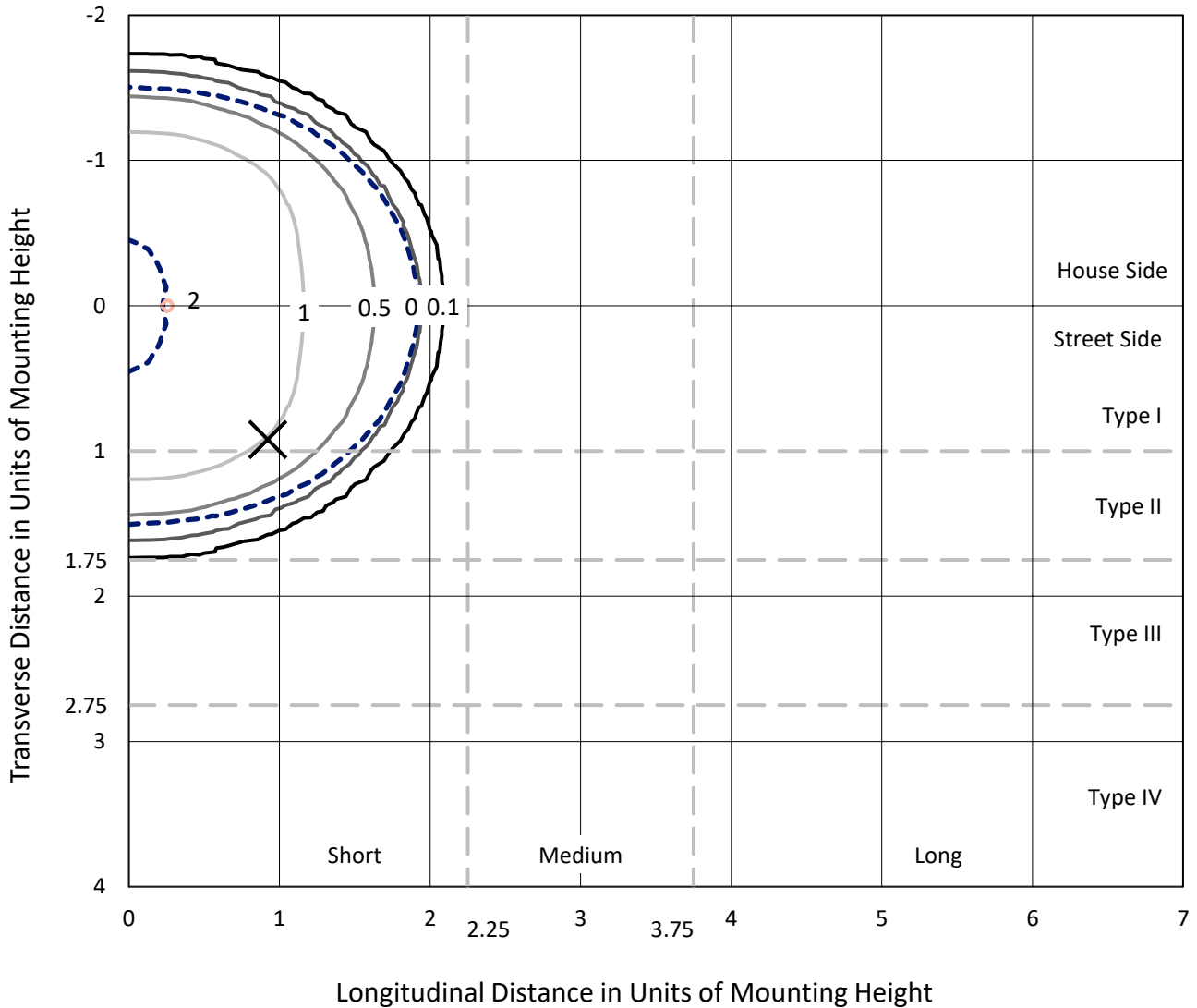
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

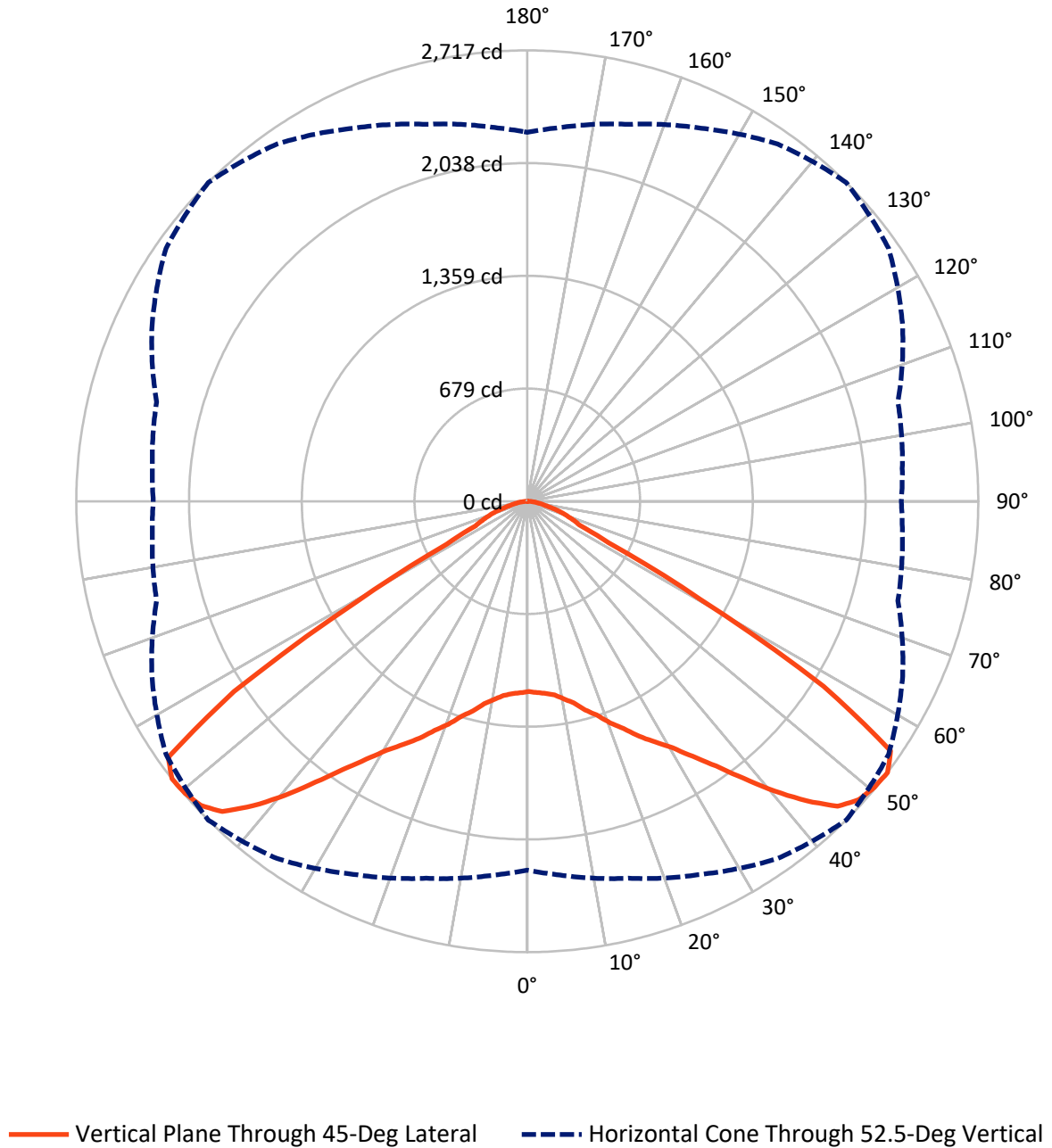
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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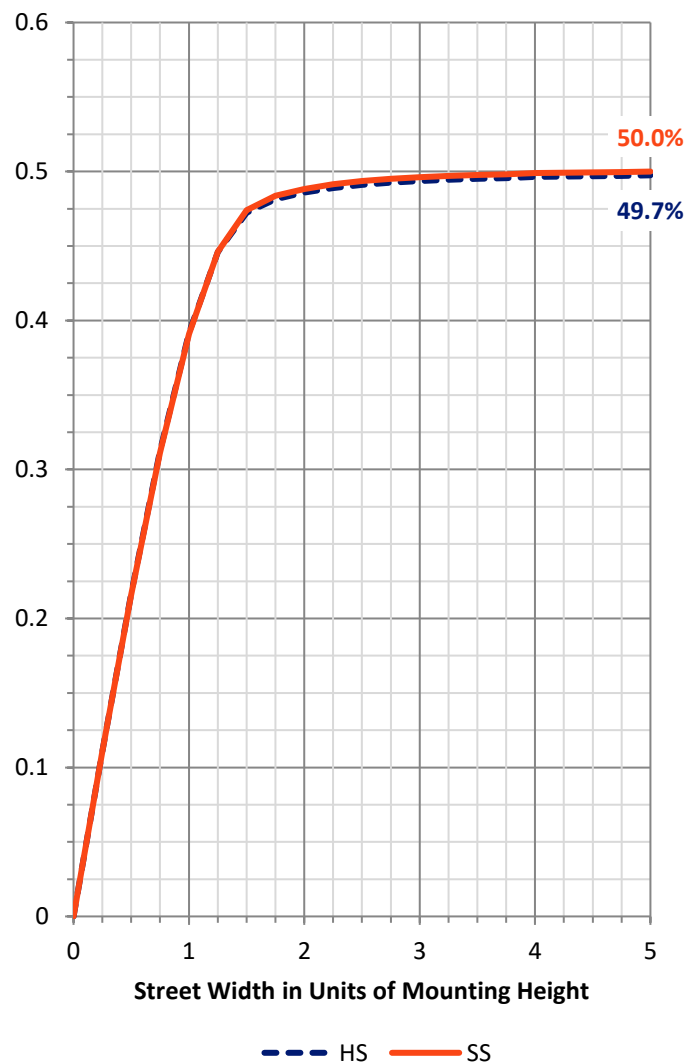
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3429.5	0.0	3429.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3429.5	0.0	3429.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6859.0	0.0	6859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	1.6
10°-20°	370.2	5.4
20°-30°	704.7	10.3
30°-40°	1210.0	17.6
40°-50°	1859.9	27.1
50°-60°	1888.7	27.5
60°-70°	526.3	7.7
70°-80°	155.3	2.3
80°-90°	31.3	0.5
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°	6859.0	100.0
0°-180°	6859.0	100.0

Coefficient of Utilization

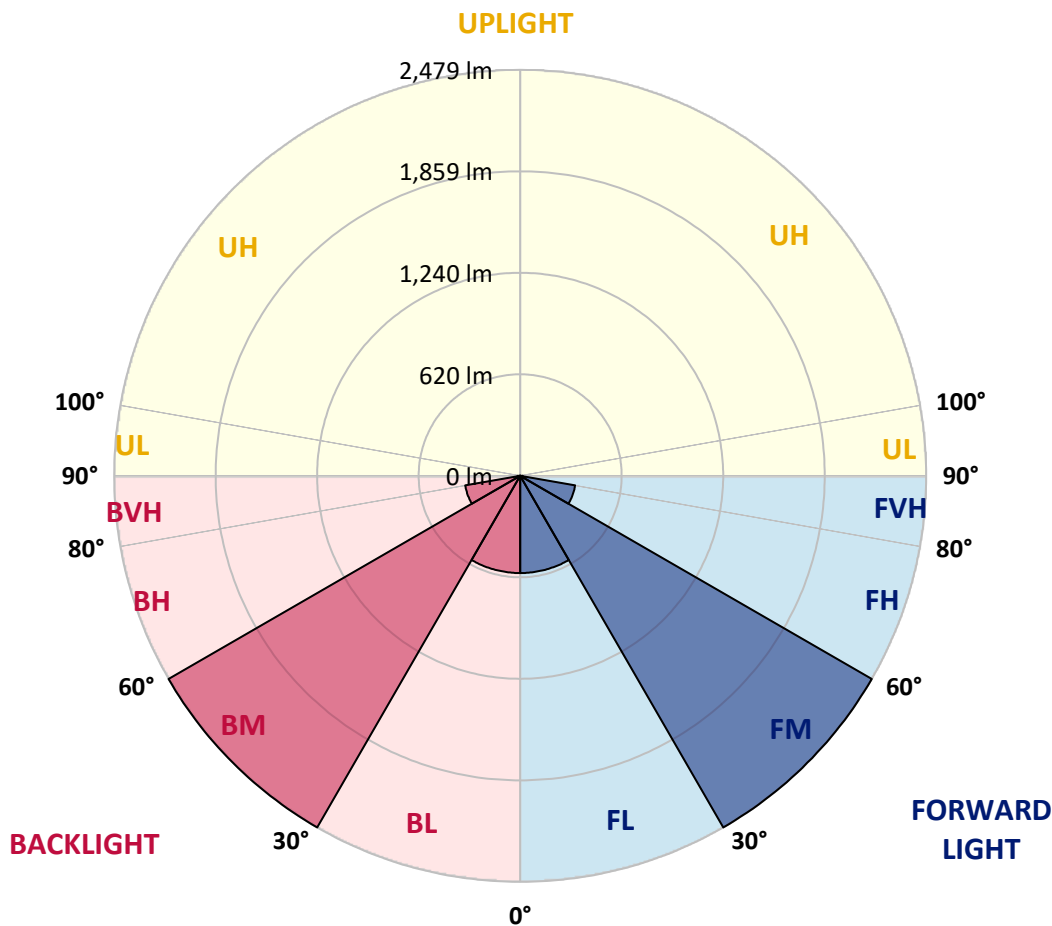


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.8	8.7			
FM (30°-60°)	2479.3	36.1			
FH (60°-80°)	340.8	5.0			G0/660
FVH (80°-90°)	15.6	0.2			G1/100
BL (0°-30°)	593.8	8.7	B2/1000		
BM (30°-60°)	2479.3	36.1	B2/2500		
BH (60°-80°)	340.8	5.0	B1/500		G0/660
BVH (80°-90°)	15.6	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°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1149.1	1137.2	1141.5	1144.0	1155.1	1154.2	1151.7	1155.1	1158.5	1159.3	1157.6
5°	1148.3	1139.8	1143.2	1145.7	1156.8	1162.7	1161.0	1175.5	1185.7	1183.2	1195.9
7.5°	1141.5	1146.6	1142.3	1155.1	1164.4	1178.9	1194.2	1207.9	1220.6	1235.1	1237.7
10°	1156.8	1156.8	1164.4	1174.7	1199.3	1210.4	1232.5	1252.1	1276.8	1293.8	1287.0
12.5°	1173.0	1175.5	1175.5	1201.9	1222.3	1247.0	1267.4	1293.8	1328.7	1349.2	1359.4
15°	1189.1	1190.8	1199.3	1235.1	1265.7	1304.9	1323.6	1347.5	1367.0	1405.3	1406.2
17.5°	1203.6	1213.0	1238.5	1278.5	1316.8	1354.3	1384.1	1408.7	1425.8	1441.1	1437.7
20°	1258.1	1264.9	1291.3	1331.3	1388.3	1424.9	1435.1	1439.4	1450.5	1481.1	1471.7
22.5°	1310.9	1313.4	1338.1	1399.4	1439.4	1487.9	1499.0	1496.4	1500.7	1508.3	1522.0
25°	1365.3	1369.6	1403.6	1455.6	1511.7	1569.6	1579.0	1559.4	1553.4	1562.0	1562.8
27.5°	1435.1	1436.0	1479.4	1524.5	1588.3	1642.8	1657.3	1642.0	1613.9	1620.7	1631.8
30°	1523.7	1517.7	1561.1	1625.8	1693.0	1723.7	1748.4	1740.7	1710.1	1704.1	1694.7
32.5°	1625.8	1627.5	1666.7	1737.3	1781.6	1832.6	1859.0	1846.3	1826.7	1816.5	1822.4
35°	1769.7	1777.3	1803.7	1862.4	1933.9	1959.5	2001.2	1973.9	1922.9	1935.6	1946.7
37.5°	1888.0	1910.1	1959.5	2029.3	2071.8	2118.6	2134.0	2097.4	2059.9	2044.6	2081.2
40°	2069.3	2062.5	2116.9	2186.7	2249.7	2296.5	2277.0	2240.4	2147.6	2148.4	2158.7
42.5°	2225.0	2228.5	2270.2	2353.6	2439.6	2468.5	2406.4	2317.0	2214.0	2202.9	2225.0
45°	2356.1	2369.8	2393.6	2505.1	2589.4	2620.9	2505.9	2400.4	2262.5	2216.5	2253.1
47.5°	2402.9	2425.1	2477.0	2579.1	2662.6	2688.1	2596.2	2444.7	2307.6	2232.7	2252.3
50°	2409.8	2402.1	2487.2	2580.9	2654.1	2709.4	2628.5	2477.0	2296.5	2257.4	2251.4
52.5°	2223.3	2260.8	2351.9	2480.4	2628.5	2717.0	2657.5	2494.9	2311.9	2267.6	2253.1
55°	1799.4	1755.2	1921.2	2137.4	2409.8	2655.8	2647.2	2504.2	2321.2	2284.6	2265.1
57.5°	1004.4	1017.2	1110.8	1345.8	1697.3	2105.9	2353.6	2405.5	2317.0	2295.7	2305.9
60°	464.8	469.0	509.0	618.8	836.7	1194.2	1520.3	1851.4	2003.7	2034.4	2034.4
62.5°	346.4	344.7	355.0	374.5	420.5	549.0	732.9	995.9	1205.3	1351.7	1390.0
65°	313.2	312.4	317.5	324.3	327.7	345.6	386.4	467.3	535.4	574.6	567.8
67.5°	274.1	273.2	274.9	279.2	285.2	294.5	304.7	321.8	345.6	343.9	339.6
70°	221.3	221.3	223.9	227.3	234.1	245.1	257.1	269.0	289.4	293.7	292.8
72.5°	163.4	160.9	166.0	172.8	179.6	193.2	206.0	217.1	231.5	235.8	234.1
75°	103.8	105.5	109.0	116.6	128.5	137.9	151.5	160.9	170.2	173.6	174.5
77.5°	57.9	59.6	65.5	74.9	86.8	97.0	109.0	116.6	122.6	123.4	124.3
80°	34.9	35.8	41.7	50.2	60.4	71.5	80.9	88.5	93.6	91.1	90.2
82.5°	21.3	22.1	27.2	34.9	43.4	51.9	62.1	68.9	74.1	70.6	67.2
85°	11.1	11.9	16.2	21.3	28.1	32.3	32.3	28.9	28.1	26.4	25.5
87.5°	3.4	3.4	4.3	5.1	4.3	5.1	6.0	6.8	6.8	7.7	6.8
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)