

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: P526820

Luminaire Tested: **GALN-SA1D-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526820  
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-SA1D-740-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA 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: 7050 lumens  
Efficiency: N/A  
Efficacy: 108.5 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

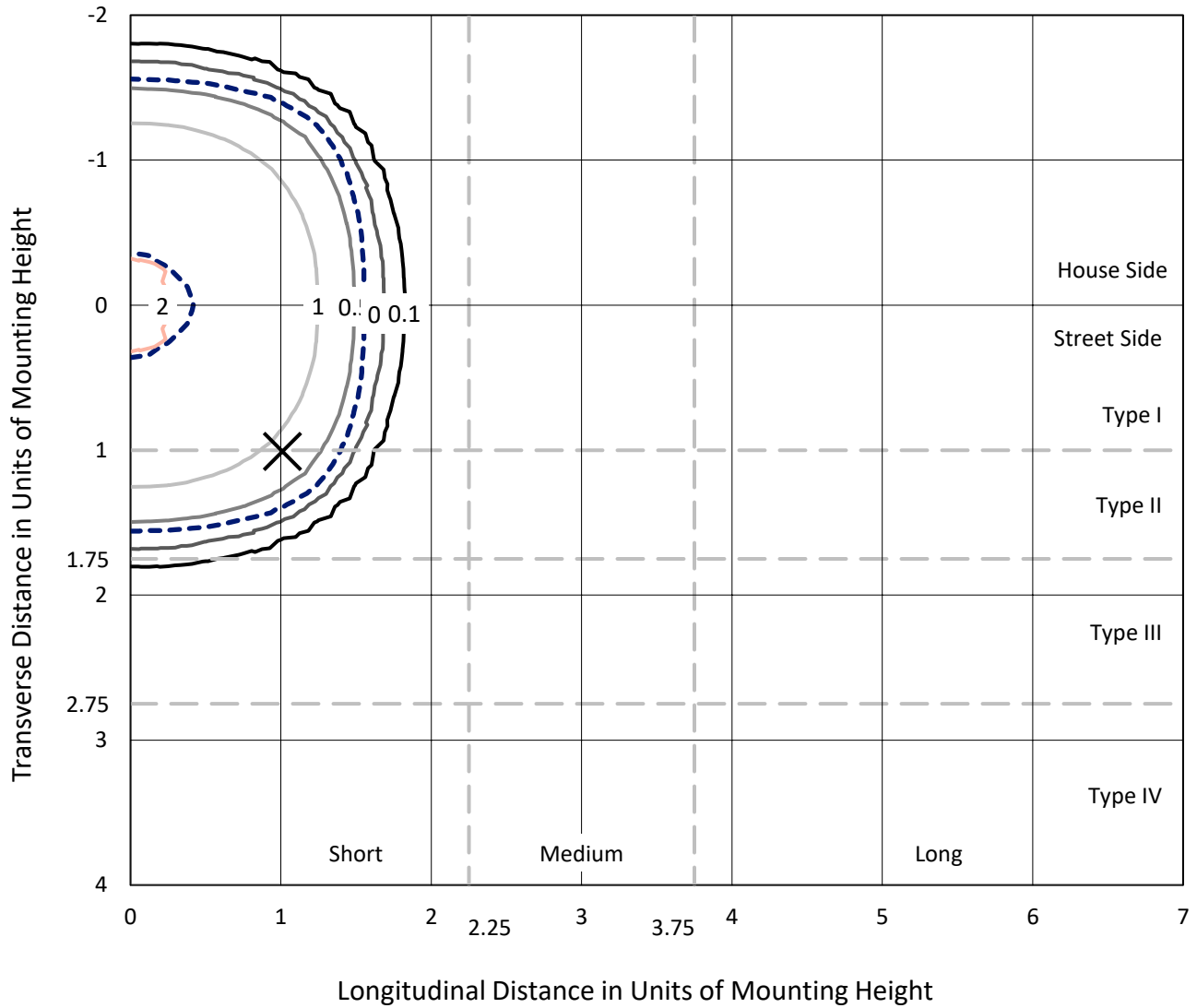
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

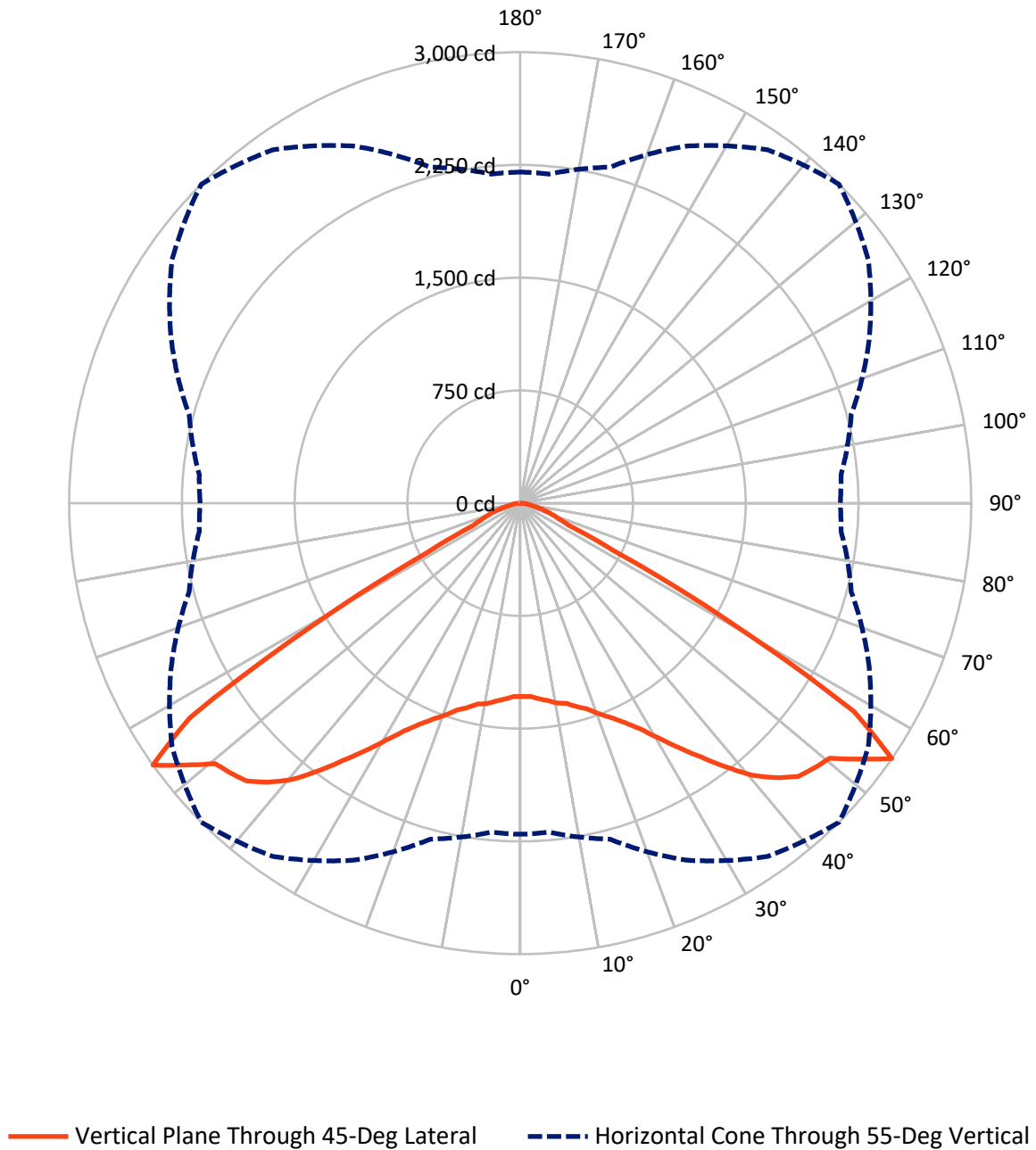
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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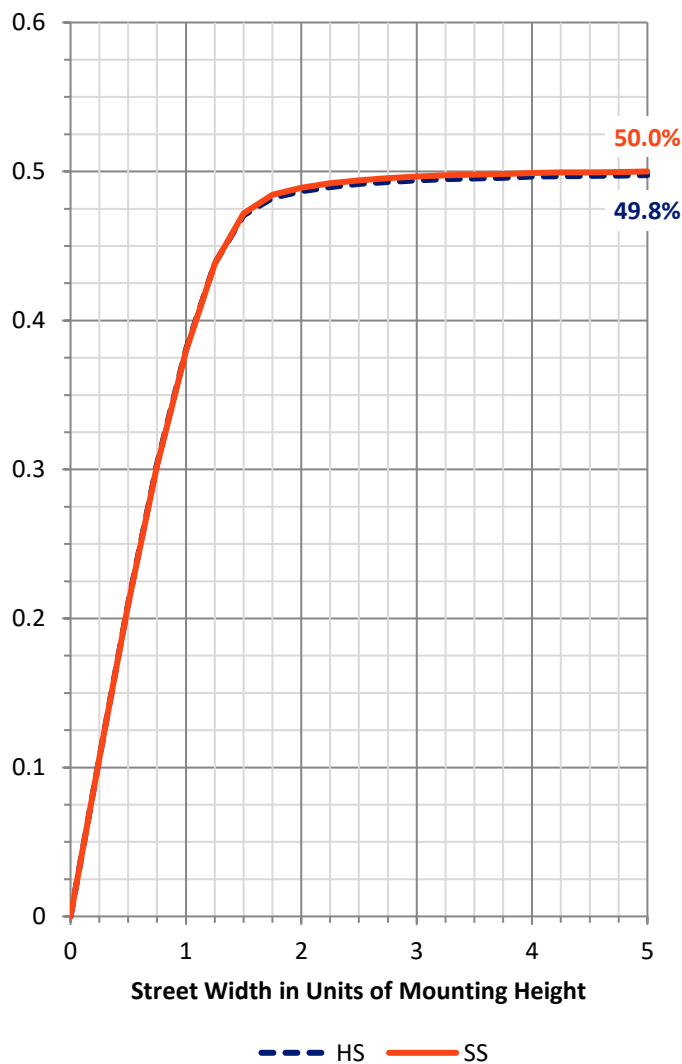
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3525.0	0.0	3525.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3525.0	0.0	3525.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7050.0	0.0	7050.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.7	1.8
10°-20°	398.4	5.7
20°-30°	743.0	10.5
30°-40°	1244.0	17.6
40°-50°	1935.7	27.5
50°-60°	2009.9	28.5
60°-70°	426.2	6.0
70°-80°	140.4	2.0
80°-90°	26.7	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°	7050.0	100.0
0°-180°	7050.0	100.0

**Coefficient of Utilization**

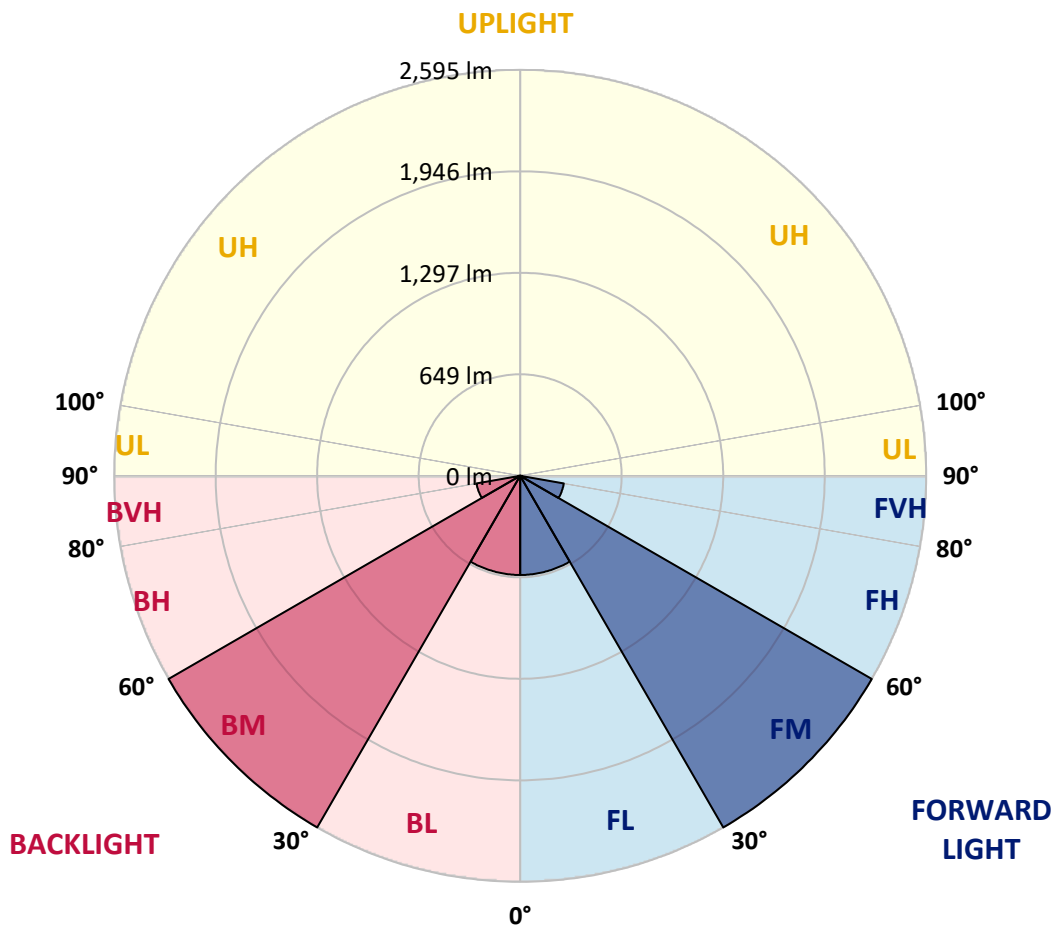


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.6	9.0			
FM (30°-60°)	2594.8	36.8			
FH (60°-80°)	283.3	4.0			G0/660
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	633.6	9.0	B2/1000		
BM (30°-60°)	2594.8	36.8	B3/5000		
BH (60°-80°)	283.3	4.0	B1/500		G0/660
BVH (80°-90°)	13.4	0.2			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°	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2	1287.2
2.5°	1302.6	1296.6	1286.4	1294.0	1300.0	1287.2	1292.3	1294.9	1293.2	1286.4	1288.9
5°	1321.3	1317.9	1309.4	1315.3	1307.7	1307.7	1302.6	1295.7	1306.0	1304.3	1308.5
7.5°	1321.3	1317.0	1334.1	1323.0	1326.4	1326.4	1317.9	1311.1	1316.2	1308.5	1304.3
10°	1347.7	1353.7	1346.0	1348.6	1346.9	1352.8	1340.0	1335.8	1331.5	1329.0	1323.9
12.5°	1379.2	1375.0	1377.5	1375.8	1381.8	1366.5	1358.8	1349.4	1357.1	1346.0	1353.7
15°	1404.8	1402.2	1404.8	1411.6	1405.6	1404.8	1391.2	1381.8	1369.9	1372.4	1360.5
17.5°	1439.7	1437.2	1438.0	1444.0	1443.1	1438.9	1428.6	1410.8	1406.5	1399.7	1392.0
20°	1491.7	1487.4	1485.7	1488.3	1492.5	1495.9	1475.5	1468.7	1454.2	1443.1	1430.3
22.5°	1536.0	1534.3	1541.1	1530.0	1539.4	1549.6	1530.0	1526.6	1490.8	1484.9	1471.2
25°	1597.3	1594.8	1590.5	1606.7	1617.8	1616.9	1598.2	1579.4	1552.2	1545.4	1545.4
27.5°	1662.1	1647.6	1669.7	1674.0	1693.6	1699.5	1683.4	1656.1	1630.5	1616.1	1619.5
30°	1743.0	1729.4	1734.5	1765.1	1790.7	1812.8	1772.0	1731.9	1696.1	1670.6	1666.3
32.5°	1823.9	1810.3	1825.6	1855.4	1906.6	1939.8	1899.7	1829.9	1788.1	1750.7	1758.3
35°	1889.5	1899.7	1924.4	1969.6	2022.4	2076.1	2012.2	1958.5	1898.9	1857.1	1863.1
37.5°	1995.2	2026.7	2046.3	2098.2	2173.2	2228.6	2162.1	2092.3	2028.4	1973.9	1955.1
40°	2133.2	2154.5	2176.6	2237.9	2326.5	2381.9	2318.9	2227.7	2164.7	2108.5	2105.9
42.5°	2284.8	2305.2	2328.2	2403.2	2456.0	2497.8	2439.8	2391.3	2321.4	2277.1	2274.6
45°	2461.1	2446.7	2472.2	2521.6	2565.9	2593.2	2555.7	2531.9	2481.6	2440.7	2436.4
47.5°	2578.7	2565.9	2611.9	2656.2	2663.0	2633.2	2640.9	2663.0	2610.2	2542.9	2564.2
50°	2646.9	2646.9	2677.5	2718.4	2705.6	2667.3	2727.8	2729.5	2676.7	2617.0	2617.0
52.5°	2528.4	2554.9	2641.7	2775.5	2818.1	2829.2	2815.5	2757.6	2619.6	2497.8	2491.8
55°	2203.0	2197.1	2314.6	2621.3	2869.2	3000.4	2826.6	2560.0	2279.7	2142.5	2128.9
57.5°	1432.9	1439.7	1615.2	1927.9	2375.1	2619.6	2326.5	1951.7	1615.2	1426.1	1444.0
60°	644.9	667.9	774.4	1007.8	1392.0	1591.4	1395.4	1058.9	812.7	705.4	714.7
62.5°	370.6	374.8	379.1	449.8	592.9	701.1	615.9	475.4	419.1	400.4	400.4
65°	312.6	310.1	310.9	316.9	332.2	354.4	345.0	332.2	333.9	332.2	329.7
67.5°	265.8	269.2	266.6	270.9	271.8	275.2	281.1	286.2	287.1	288.8	287.1
70°	218.1	218.9	220.6	224.1	224.9	227.5	236.0	240.2	242.8	242.8	246.2
72.5°	167.0	166.1	167.8	171.2	175.5	176.3	184.0	190.0	193.4	189.1	190.0
75°	109.9	110.7	113.3	115.9	121.8	127.8	130.3	136.3	137.2	138.9	134.6
77.5°	65.6	67.3	69.9	75.0	80.1	85.2	91.2	95.4	97.1	95.4	90.3
80°	42.6	42.6	46.0	50.3	56.2	60.5	63.9	67.3	69.9	67.3	65.6
82.5°	26.4	26.4	30.7	35.8	40.0	42.6	47.7	52.0	54.5	52.8	50.3
85°	13.6	14.5	17.9	22.1	25.6	27.3	26.4	23.9	21.3	20.4	18.7
87.5°	4.3	4.3	5.1	5.1	4.3	4.3	5.1	4.3	5.1	5.1	5.1
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)