

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: P526819

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
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-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

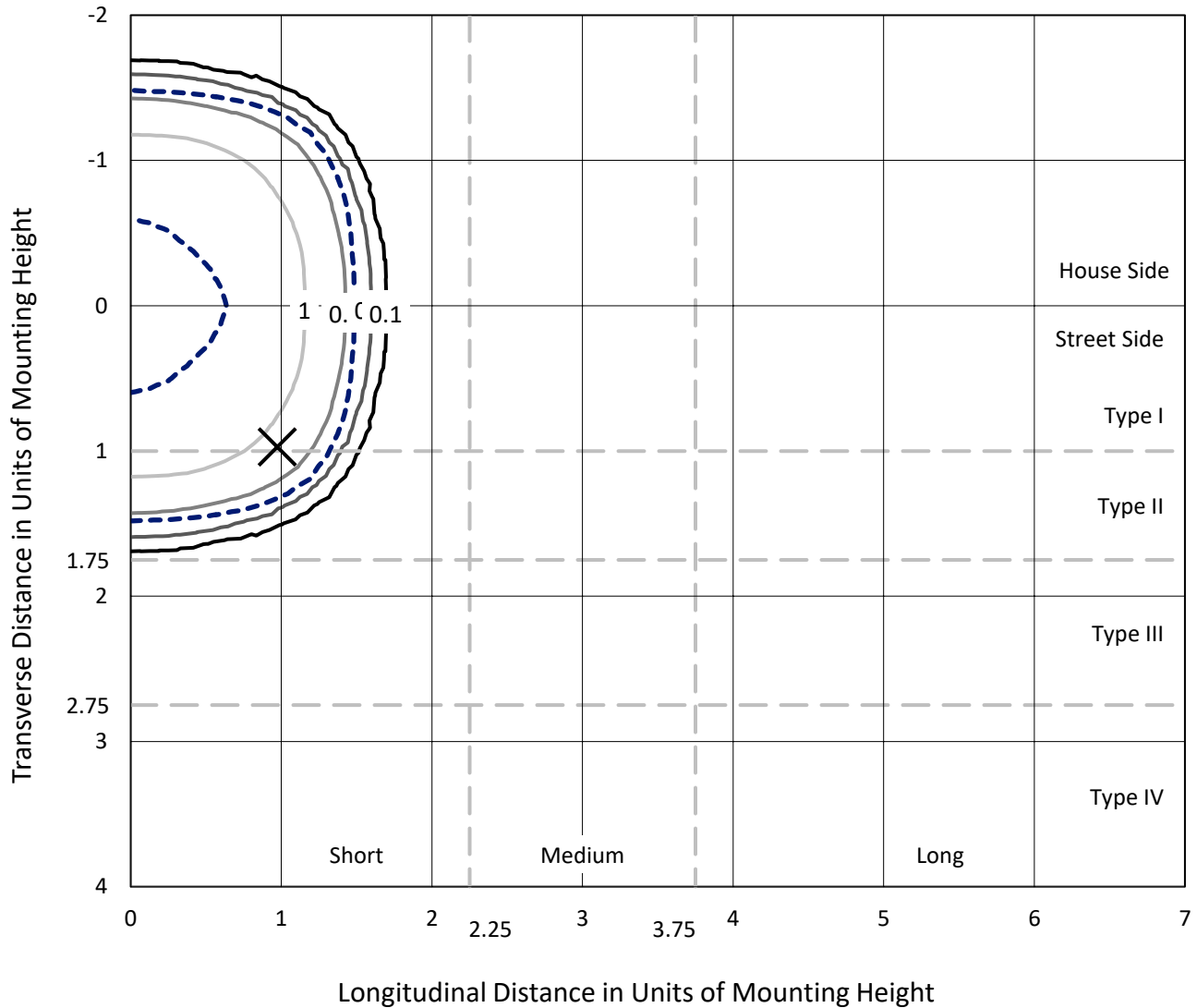
Lumens per Lamp: N/A  
Luminaire Lumens: 5377 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

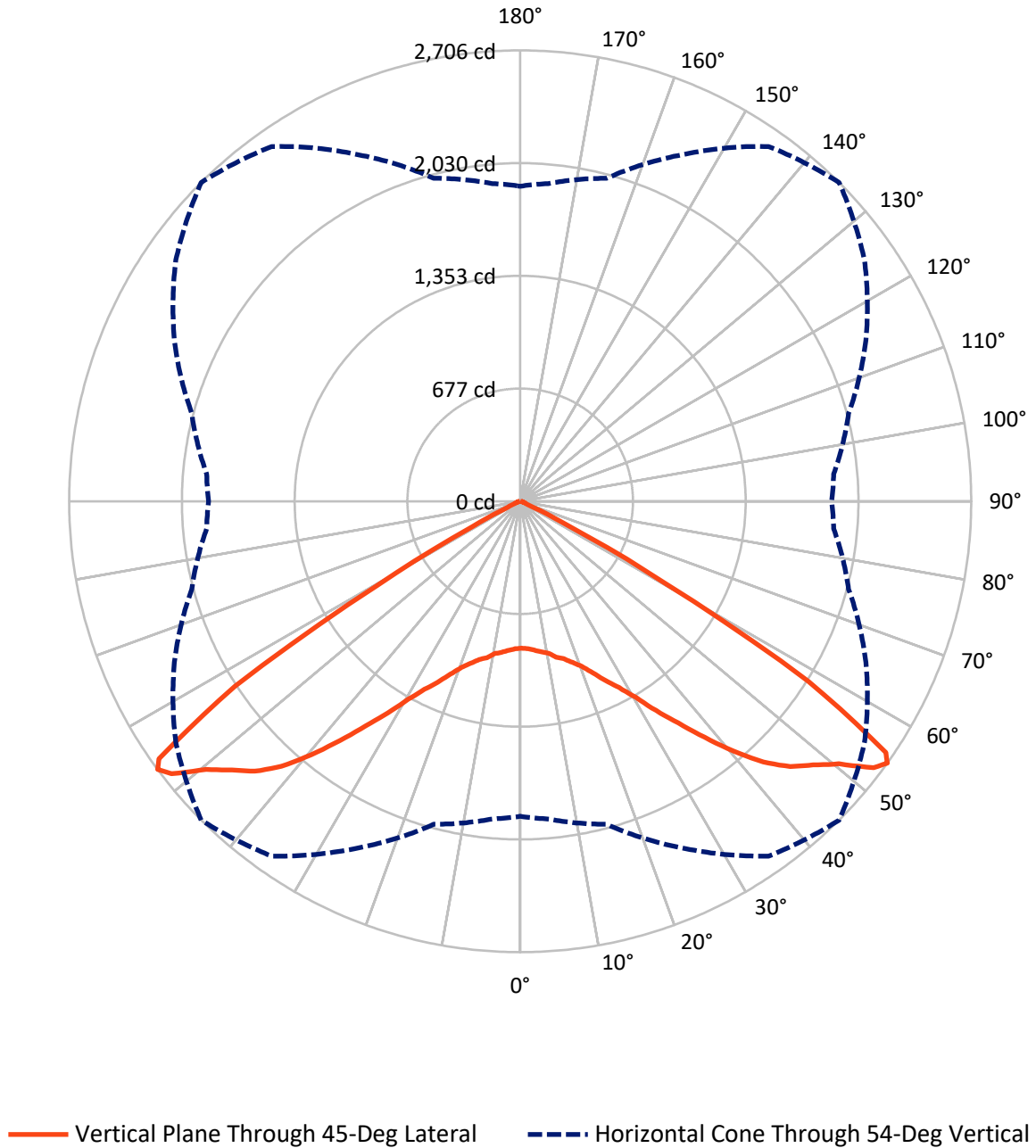
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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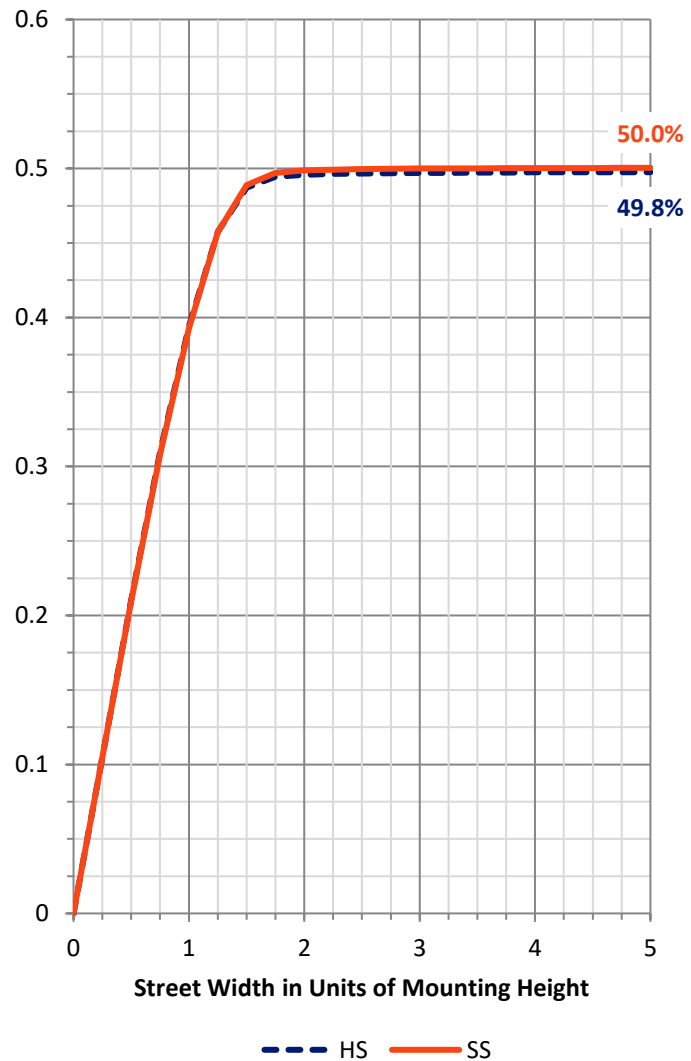
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2688.5	0.0	2688.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2688.5	0.0	2688.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5377.0	0.0	5377.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.3	1.6
10°-20°	279.5	5.2
20°-30°	547.7	10.2
30°-40°	984.9	18.3
40°-50°	1685.9	31.4
50°-60°	1631.3	30.3
60°-70°	139.6	2.6
70°-80°	16.6	0.3
80°-90°	5.2	0.1
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°	5377.0	100.0
0°-180°	5377.0	100.0

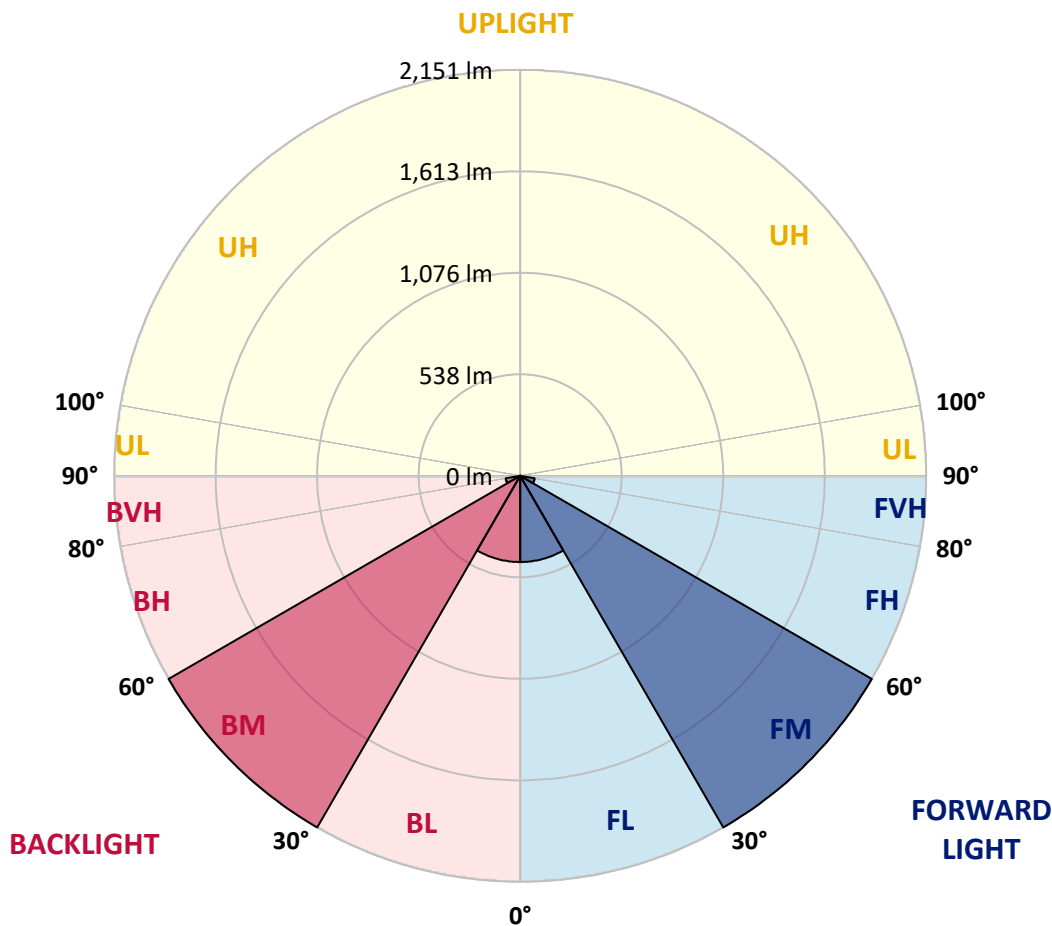


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.7	8.5			
FM (30°-60°)	2151.1	40.0			
FH (60°-80°)	78.1	1.5			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	456.7	8.5	B1/500		
BM (30°-60°)	2151.1	40.0	B2/2500		
BH (60°-80°)	78.1	1.5	B0/110		G0/660
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7	881.7
2.5°	885.9	891.0	887.6	890.2	890.2	885.9	888.5	878.3	885.1	880.0	880.8
5°	899.5	898.7	898.7	899.5	896.1	897.8	894.4	891.0	888.5	885.1	895.3
7.5°	916.6	916.6	910.6	912.3	910.6	913.2	906.4	899.5	897.0	894.4	892.7
10°	932.8	931.1	928.5	936.2	930.2	926.8	923.4	919.1	909.8	906.4	903.0
12.5°	956.6	955.8	952.4	960.0	956.6	960.0	947.3	936.2	934.5	923.4	929.4
15°	984.7	992.4	986.4	986.4	984.7	980.5	975.4	970.3	954.9	950.7	951.5
17.5°	1021.4	1018.8	1019.7	1019.7	1028.2	1017.1	1006.9	994.1	986.4	983.9	975.4
20°	1056.3	1059.7	1058.8	1064.8	1069.9	1058.0	1046.9	1045.2	1023.9	1027.3	1015.4
22.5°	1117.6	1115.1	1119.3	1123.6	1120.2	1118.5	1108.3	1095.5	1076.7	1068.2	1066.5
25°	1182.4	1178.1	1170.4	1180.7	1185.8	1193.4	1173.8	1167.0	1138.1	1125.3	1126.1
27.5°	1237.7	1243.7	1252.2	1256.5	1269.3	1266.7	1253.1	1230.9	1208.8	1194.3	1184.9
30°	1313.5	1317.0	1331.4	1337.4	1359.5	1365.5	1344.2	1318.7	1279.5	1260.7	1249.7
32.5°	1383.4	1407.2	1406.4	1436.2	1472.0	1496.7	1458.4	1419.2	1380.0	1357.8	1338.2
35°	1496.7	1492.4	1517.1	1548.7	1606.6	1634.7	1593.0	1547.8	1488.2	1452.4	1437.1
37.5°	1602.3	1604.0	1637.2	1687.5	1754.0	1797.4	1760.8	1686.7	1625.3	1579.3	1558.0
40°	1755.7	1759.1	1793.1	1850.2	1925.2	1972.0	1929.4	1854.5	1772.7	1736.9	1736.9
42.5°	1935.4	1949.9	1972.0	2021.4	2088.7	2140.7	2102.4	2043.6	1960.9	1914.9	1921.8
45°	2120.2	2127.1	2141.5	2214.8	2246.3	2271.9	2236.1	2208.8	2153.5	2097.2	2087.9
47.5°	2293.2	2295.7	2338.3	2361.3	2386.0	2364.7	2387.7	2351.9	2289.8	2235.2	2224.2
50°	2369.8	2365.6	2426.1	2495.9	2514.6	2477.2	2457.6	2433.7	2339.2	2273.6	2244.6
52.5°	2146.7	2171.4	2283.8	2478.0	2624.5	2656.1	2541.9	2432.0	2255.7	2127.9	2108.3
54°	1891.1	1914.1	2006.9	2294.9	2599.8	2706.3	2522.3	2288.9	2040.2	1888.5	1868.9
55°	1638.1	1612.5	1781.2	2075.1	2484.0	2662.0	2444.8	2104.1	1819.5	1680.7	1653.4
57.5°	886.8	891.0	1033.3	1311.0	1745.4	2041.0	1802.5	1423.4	1075.0	919.1	905.5
60°	281.1	287.9	350.1	529.8	834.0	995.8	853.5	571.6	395.3	316.9	304.1
62.5°	87.7	91.1	99.7	148.2	228.3	326.3	255.6	153.3	114.1	104.8	106.5
65°	53.7	53.7	54.5	57.9	68.1	79.2	76.7	67.3	64.7	63.0	62.2
67.5°	34.9	34.1	35.8	38.3	40.0	40.9	43.4	46.0	45.1	43.4	43.4
70°	21.3	20.4	22.1	25.6	26.4	28.1	30.7	34.1	33.2	31.5	32.4
72.5°	11.9	11.9	12.8	15.3	17.9	19.6	22.1	24.7	25.6	24.7	24.7
75°	4.3	5.1	6.8	9.4	11.1	13.6	16.2	18.7	21.3	19.6	18.7
77.5°	1.7	1.7	3.4	6.0	8.5	11.1	15.3	17.9	19.6	17.9	16.2
80°	0.9	0.9	2.6	5.1	7.7	10.2	12.8	15.3	16.2	14.5	12.8
82.5°	0.9	0.9	2.6	5.1	7.7	9.4	13.6	15.3	17.0	15.3	12.8
85°	0.0	0.9	2.6	5.1	6.8	7.7	7.7	5.1	4.3	2.6	2.6
87.5°	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)