

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: P526534

Luminaire Tested: **GALN-SA1C-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526534  
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-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 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: 5835 lumens  
Efficiency: N/A  
Efficacy: 102.4 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

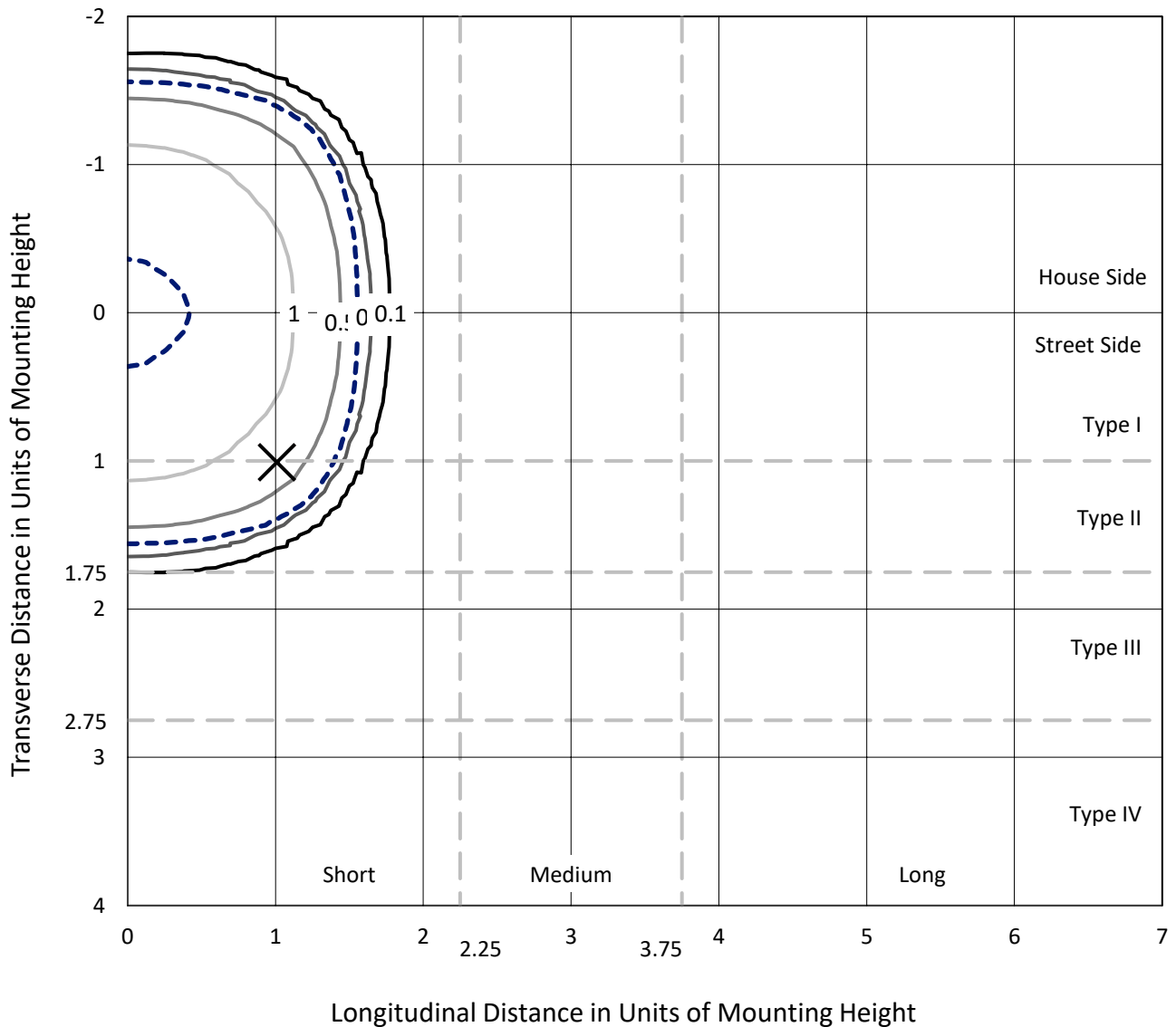
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

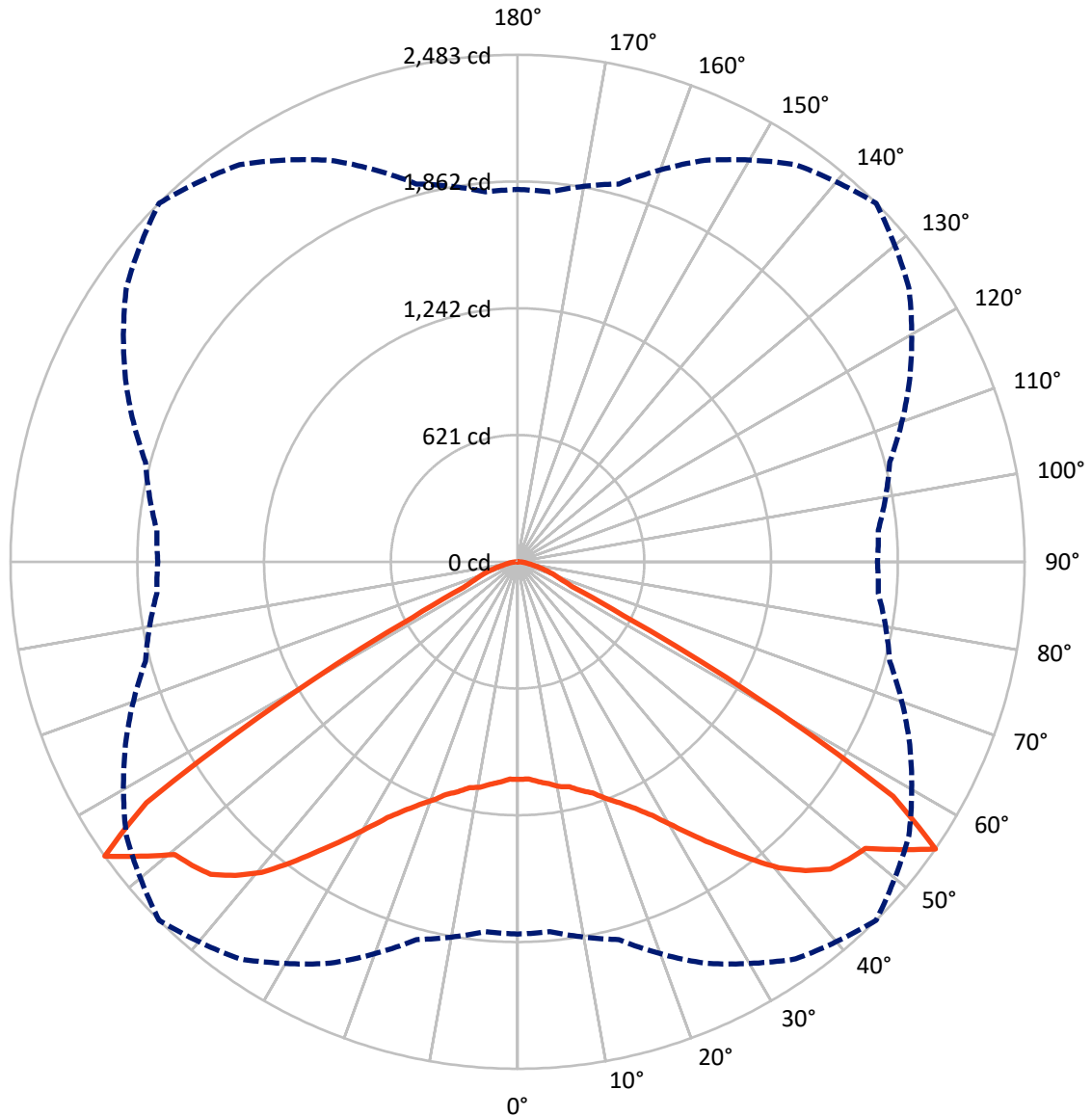
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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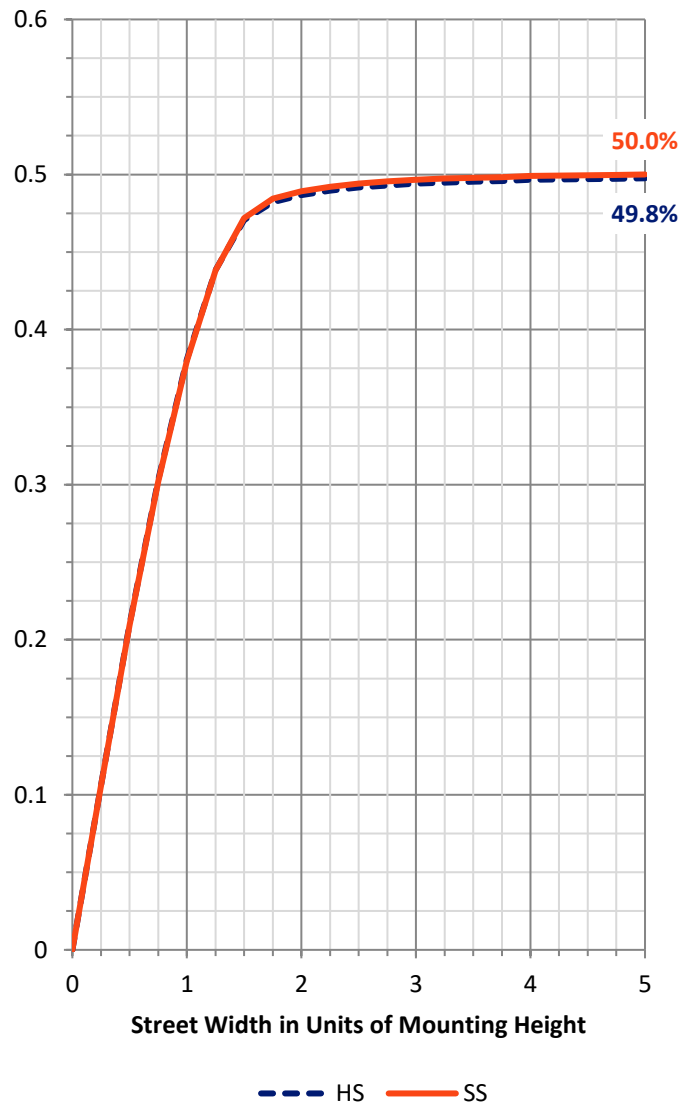
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2917.5	0.0	2917.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2917.5	0.0	2917.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5835.0	0.0	5835.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.1	1.8
10°-20°	329.8	5.7
20°-30°	614.9	10.5
30°-40°	1029.6	17.6
40°-50°	1602.1	27.5
50°-60°	1663.5	28.5
60°-70°	352.8	6.0
70°-80°	116.2	2.0
80°-90°	22.1	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°	5835.0	100.0
0°-180°	5835.0	100.0

**Coefficient of Utilization**



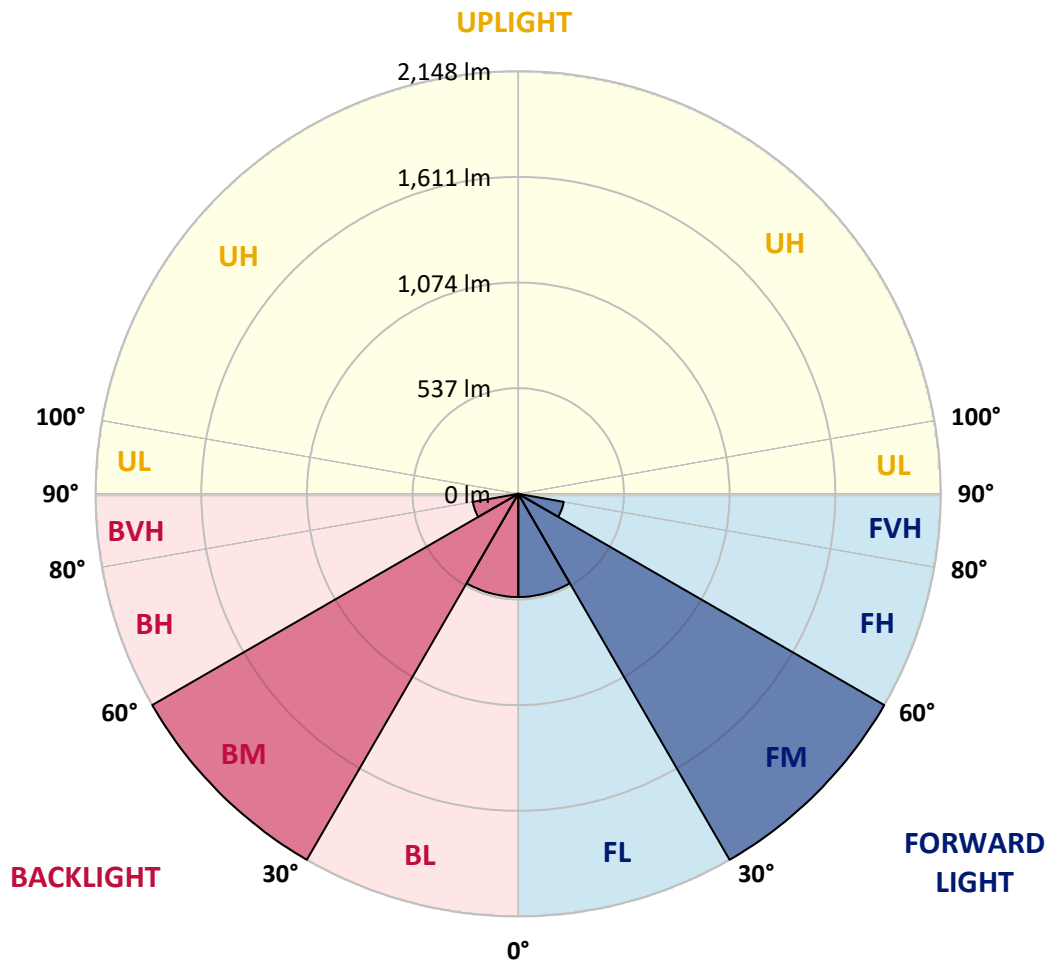
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	524.4	9.0			
FM	(30°-60°)	2147.6	36.8			
FH	(60°-80°)	234.5	4.0			G0/660
FVH	(80°-90°)	11.1	0.2			G1/100
BL	(0°-30°)	524.4	9.0	B2/1000		
BM	(30°-60°)	2147.6	36.8	B2/2500		
BH	(60°-80°)	234.5	4.0	B1/500		G0/660
BVH	(80°-90°)	11.1	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°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4
2.5°	1078.1	1073.1	1064.7	1071.0	1076.0	1065.4	1069.6	1071.7	1070.3	1064.7	1066.8
5°	1093.6	1090.8	1083.7	1088.7	1082.3	1082.3	1078.1	1072.4	1080.9	1079.5	1083.0
7.5°	1093.6	1090.1	1104.2	1095.0	1097.8	1097.8	1090.8	1085.1	1089.4	1083.0	1079.5
10°	1115.4	1120.4	1114.0	1116.2	1114.7	1119.7	1109.1	1105.6	1102.0	1099.9	1095.7
12.5°	1141.5	1138.0	1140.1	1138.7	1143.6	1131.0	1124.6	1116.9	1123.2	1114.0	1120.4
15°	1162.7	1160.6	1162.7	1168.3	1163.4	1162.7	1151.4	1143.6	1133.8	1135.9	1126.0
17.5°	1191.6	1189.5	1190.2	1195.1	1194.4	1190.9	1182.4	1167.6	1164.1	1158.5	1152.1
20°	1234.6	1231.1	1229.7	1231.8	1235.3	1238.1	1221.2	1215.6	1203.6	1194.4	1183.8
22.5°	1271.3	1269.9	1275.5	1266.3	1274.1	1282.6	1266.3	1263.5	1233.9	1229.0	1217.7
25°	1322.0	1319.9	1316.4	1329.8	1339.0	1338.3	1322.7	1307.2	1284.7	1279.0	1279.0
27.5°	1375.6	1363.6	1382.0	1385.5	1401.7	1406.6	1393.2	1370.7	1349.5	1337.5	1340.4
30°	1442.6	1431.3	1435.6	1460.9	1482.1	1500.4	1466.6	1433.4	1403.8	1382.7	1379.1
32.5°	1509.6	1498.3	1511.0	1535.7	1578.0	1605.5	1572.3	1514.5	1480.0	1449.0	1455.3
35°	1563.9	1572.3	1592.8	1630.2	1673.9	1718.3	1665.4	1621.0	1571.6	1537.1	1542.0
37.5°	1651.3	1677.4	1693.6	1736.6	1798.7	1844.5	1789.5	1731.7	1678.8	1633.7	1618.2
40°	1765.5	1783.2	1801.5	1852.3	1925.6	1971.4	1919.2	1843.8	1791.6	1745.1	1743.0
42.5°	1891.0	1908.0	1927.0	1989.0	2032.8	2067.3	2019.4	1979.2	1921.4	1884.7	1882.6
45°	2037.0	2025.0	2046.2	2087.1	2123.7	2146.3	2115.3	2095.5	2053.9	2020.1	2016.5
47.5°	2134.3	2123.7	2161.8	2198.5	2204.1	2179.4	2185.8	2204.1	2160.4	2104.7	2122.3
50°	2190.7	2190.7	2216.1	2249.9	2239.4	2207.6	2257.7	2259.1	2215.4	2166.0	2166.0
52.5°	2092.7	2114.6	2186.5	2297.2	2332.4	2341.6	2330.3	2282.4	2168.1	2067.3	2062.4
55°	1823.4	1818.4	1915.7	2169.5	2374.7	2483.3	2339.5	2118.8	1886.8	1773.3	1762.0
57.5°	1186.0	1191.6	1336.8	1595.6	1965.8	2168.1	1925.6	1615.4	1336.8	1180.3	1195.1
60°	533.7	552.8	640.9	834.1	1152.1	1317.1	1154.9	876.4	672.7	583.8	591.6
62.5°	306.7	310.2	313.8	372.3	490.7	580.3	509.8	393.4	346.9	331.4	331.4
65°	258.8	256.7	257.4	262.3	275.0	293.3	285.6	275.0	276.4	275.0	272.9
67.5°	220.0	222.8	220.7	224.2	224.9	227.7	232.7	236.9	237.6	239.0	237.6
70°	180.5	181.2	182.6	185.4	186.1	188.3	195.3	198.8	200.9	200.9	203.8
72.5°	138.2	137.5	138.9	141.7	145.2	146.0	152.3	157.2	160.1	156.5	157.2
75°	91.0	91.7	93.8	95.9	100.8	105.8	107.9	112.8	113.5	114.9	111.4
77.5°	54.3	55.7	57.8	62.0	66.3	70.5	75.4	79.0	80.4	79.0	74.7
80°	35.3	35.3	38.1	41.6	46.5	50.1	52.9	55.7	57.8	55.7	54.3
82.5°	21.9	21.9	25.4	29.6	33.1	35.3	39.5	43.0	45.1	43.7	41.6
85°	11.3	12.0	14.8	18.3	21.2	22.6	21.9	19.7	17.6	16.9	15.5
87.5°	3.5	3.5	4.2	4.2	3.5	3.5	4.2	3.5	4.2	4.2	4.2
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)