

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: P526531

Luminaire Tested: **GALN-SA1C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3888 lumens  
Efficiency: N/A  
Efficacy: 68.2 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

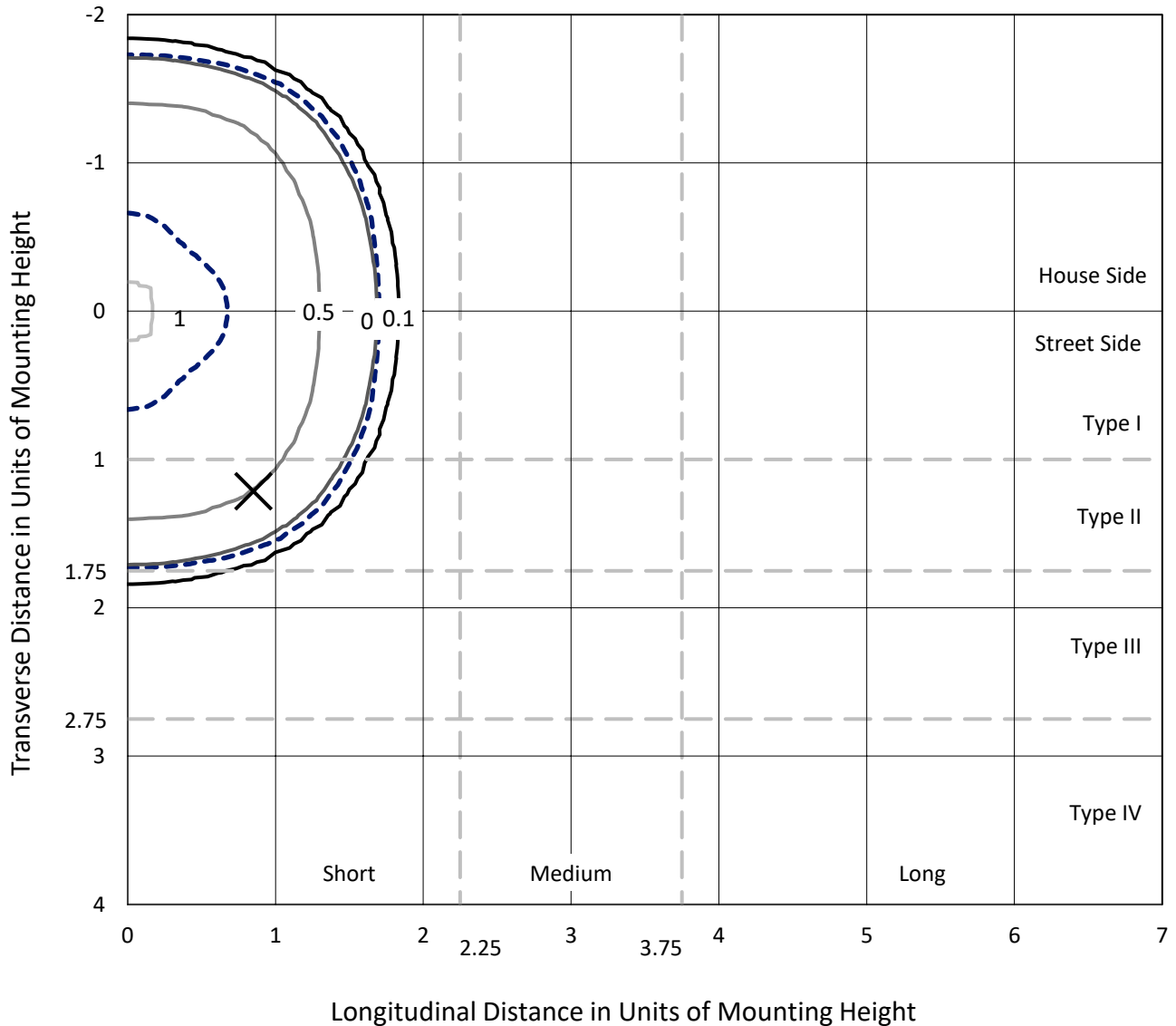
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

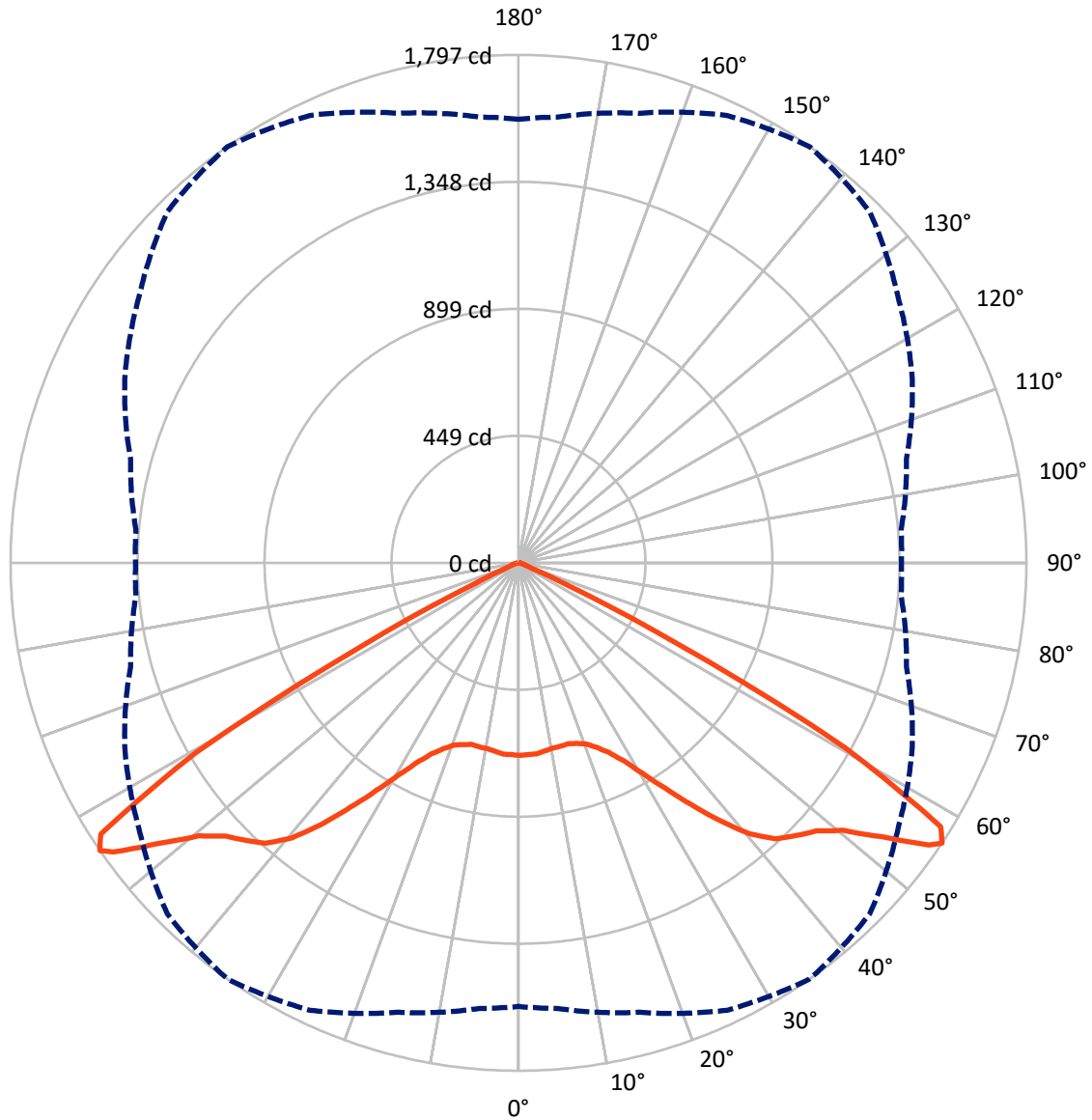
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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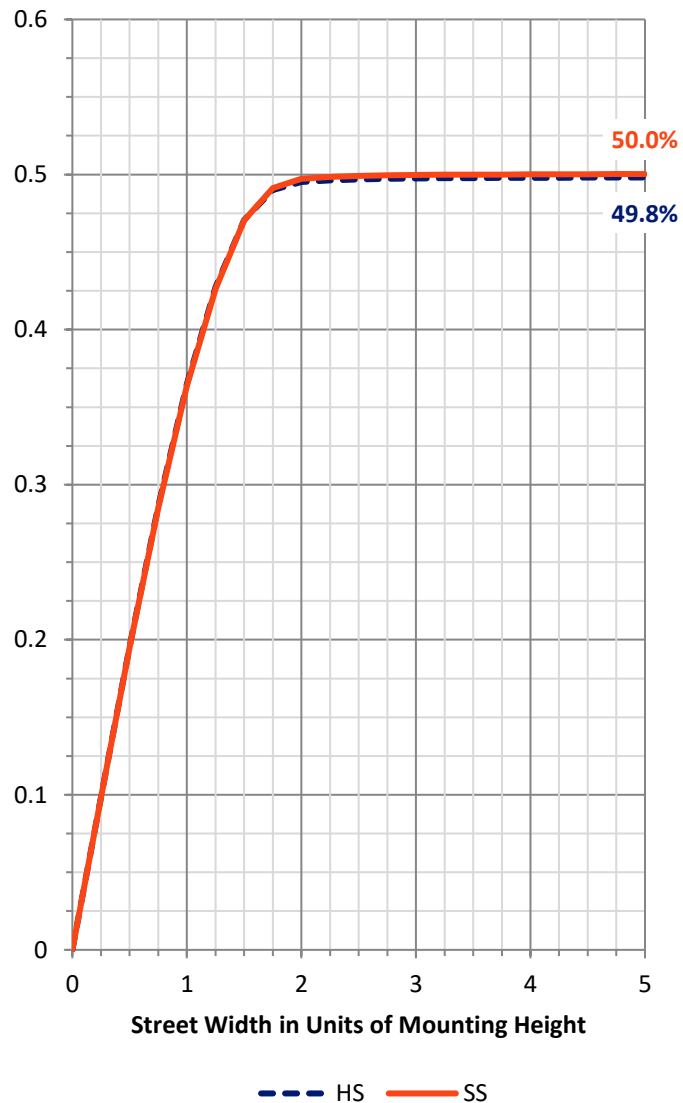
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1944.0	0.0	1944.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1944.0	0.0	1944.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3888.0	0.0	3888.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	1.6
10°-20°	186.9	4.8
20°-30°	338.5	8.7
30°-40°	627.7	16.1
40°-50°	1030.3	26.5
50°-60°	1327.4	34.1
60°-70°	292.5	7.5
70°-80°	17.0	0.4
80°-90°	3.6	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°	3888.0	100.0
0°-180°	3888.0	100.0

**Coefficient of Utilization**



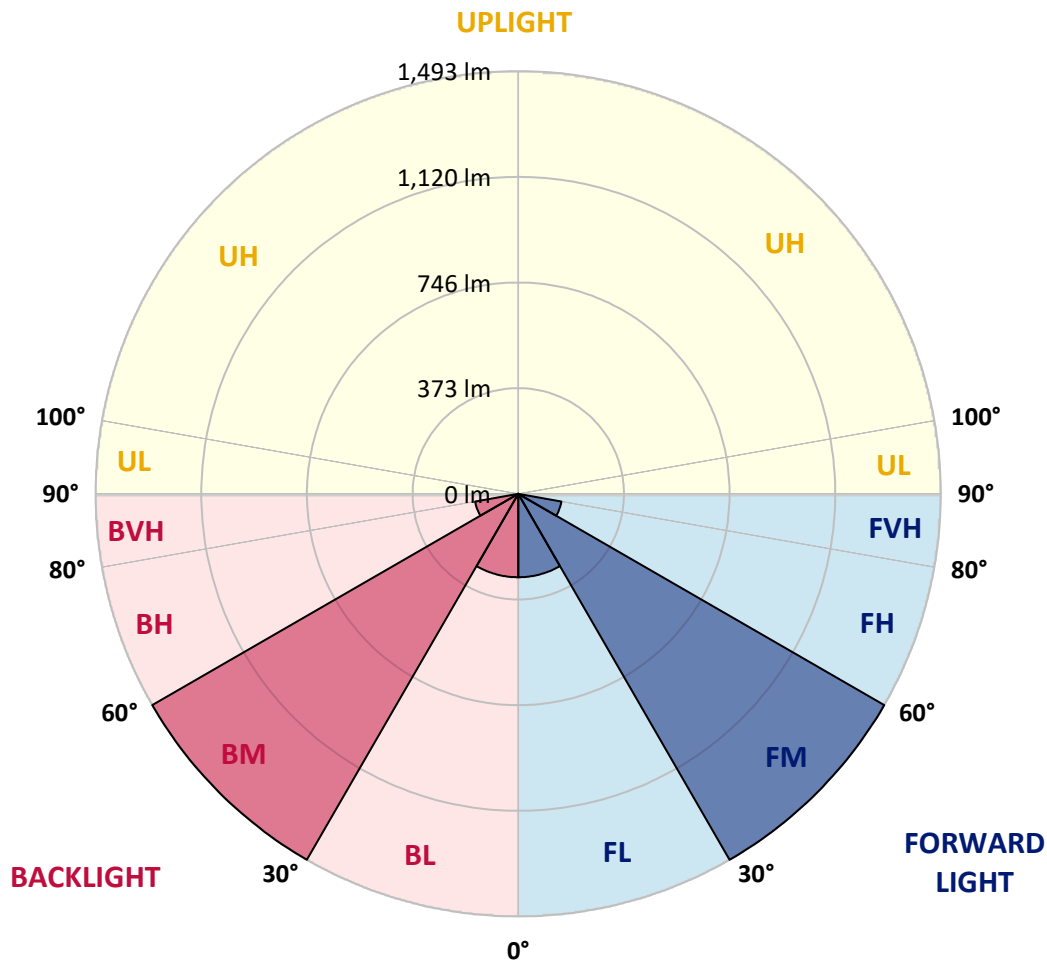
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.7	7.6			
FM (30°-60°)	1492.7	38.4			
FH (60°-80°)	154.8	4.0			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	294.7	7.6	B1/500		
BM (30°-60°)	1492.7	38.4	B2/2500		
BH (60°-80°)	154.8	4.0	B1/500		G0/660
BVH (80°-90°)	1.8	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°	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3
2.5°	682.7	682.7	683.4	684.1	679.1	677.0	677.7	676.3	675.6	677.7	677.7
5°	680.6	680.6	678.4	679.1	679.1	672.8	672.8	674.2	674.2	670.0	668.6
7.5°	674.9	673.5	670.7	674.2	672.1	672.1	667.2	663.6	662.2	665.1	662.2
10°	662.9	663.6	666.5	667.9	666.5	670.7	662.2	657.3	652.4	650.3	650.3
12.5°	657.3	661.5	657.3	660.8	665.8	662.2	657.3	653.8	646.7	643.9	643.9
15°	656.6	659.4	660.8	665.8	663.6	665.1	655.2	651.0	640.4	635.5	633.4
17.5°	655.9	659.4	661.5	670.7	672.1	672.8	665.1	652.4	643.2	638.3	633.4
20°	663.6	665.1	669.3	678.4	684.1	693.9	679.9	666.5	646.7	641.1	639.0
22.5°	673.5	680.6	684.8	694.6	709.4	717.9	699.6	682.7	662.2	655.2	646.7
25°	705.2	703.8	710.9	731.3	743.3	749.6	734.8	710.1	683.4	674.9	676.3
27.5°	744.7	746.1	752.4	775.0	792.6	802.4	784.8	752.4	726.3	712.3	710.9
30°	796.1	794.7	801.7	832.0	863.7	878.5	847.5	809.5	784.1	765.8	770.0
32.5°	850.3	851.0	870.8	898.3	949.7	978.6	928.5	882.0	844.0	831.3	825.0
35°	930.7	934.2	949.7	992.0	1049.0	1086.4	1031.4	975.7	932.1	908.8	911.6
37.5°	1030.0	1026.5	1052.5	1098.3	1158.2	1185.7	1139.2	1075.8	1031.4	1015.9	1025.8
40°	1135.7	1139.2	1152.6	1194.1	1261.1	1279.4	1210.3	1175.8	1137.1	1129.3	1141.3
42.5°	1241.3	1239.2	1249.1	1286.4	1335.0	1322.4	1281.5	1261.1	1233.6	1218.1	1234.3
45°	1318.8	1315.3	1333.6	1359.0	1376.6	1352.7	1334.3	1327.3	1313.2	1296.3	1311.1
47.5°	1394.2	1391.4	1409.0	1416.1	1417.5	1385.8	1389.3	1402.0	1366.7	1331.5	1348.4
50°	1458.3	1453.4	1475.2	1490.7	1487.2	1436.5	1449.2	1436.5	1381.5	1340.0	1333.6
52.5°	1565.4	1567.5	1590.8	1619.0	1610.5	1568.2	1549.9	1492.2	1421.7	1384.4	1362.5
55°	1633.1	1622.5	1662.6	1752.1	1762.0	1718.3	1637.3	1552.0	1446.4	1400.6	1394.9
56°	1569.6	1583.0	1646.4	1746.5	1797.2	1757.0	1639.4	1537.2	1421.0	1359.0	1354.8
57.5°	1408.3	1401.3	1487.2	1623.9	1762.0	1745.1	1581.6	1431.6	1296.3	1226.6	1218.1
60°	876.4	896.8	972.2	1141.3	1325.9	1334.3	1172.3	1043.4	885.6	823.6	838.4
62.5°	343.1	325.5	372.7	498.8	625.6	653.8	592.5	492.5	404.4	343.1	338.9
65°	79.6	77.5	87.4	120.5	168.4	195.1	185.3	133.2	97.9	93.0	86.0
67.5°	45.1	45.1	43.0	43.0	47.2	50.0	47.9	47.2	49.3	51.4	50.7
70°	31.7	31.0	29.6	30.3	28.9	28.9	31.0	34.5	37.3	37.3	38.0
72.5°	19.0	19.0	19.0	21.1	21.1	21.1	23.2	26.1	26.8	26.1	25.4
75°	8.5	8.5	9.9	12.0	13.4	14.1	16.2	17.6	19.0	17.6	16.2
77.5°	2.1	2.1	3.5	4.9	6.3	7.7	10.6	12.7	13.4	12.7	10.6
80°	0.7	0.7	1.4	3.5	6.3	7.7	10.6	11.3	12.0	10.6	8.5
82.5°	0.7	0.7	1.4	3.5	4.9	6.3	8.5	9.9	10.6	9.2	8.5
85°	0.0	0.7	1.4	2.8	4.2	5.6	5.6	4.2	3.5	2.1	2.8
87.5°	0.0	0.0	0.7	0.7	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)