

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P526506

Luminaire Tested: **GALN-SA1C-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

**Test Information**

Test Method: LM-79-08  
Report Number: P526506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5251 lumens  
Efficiency: N/A  
Efficacy: 92.1 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

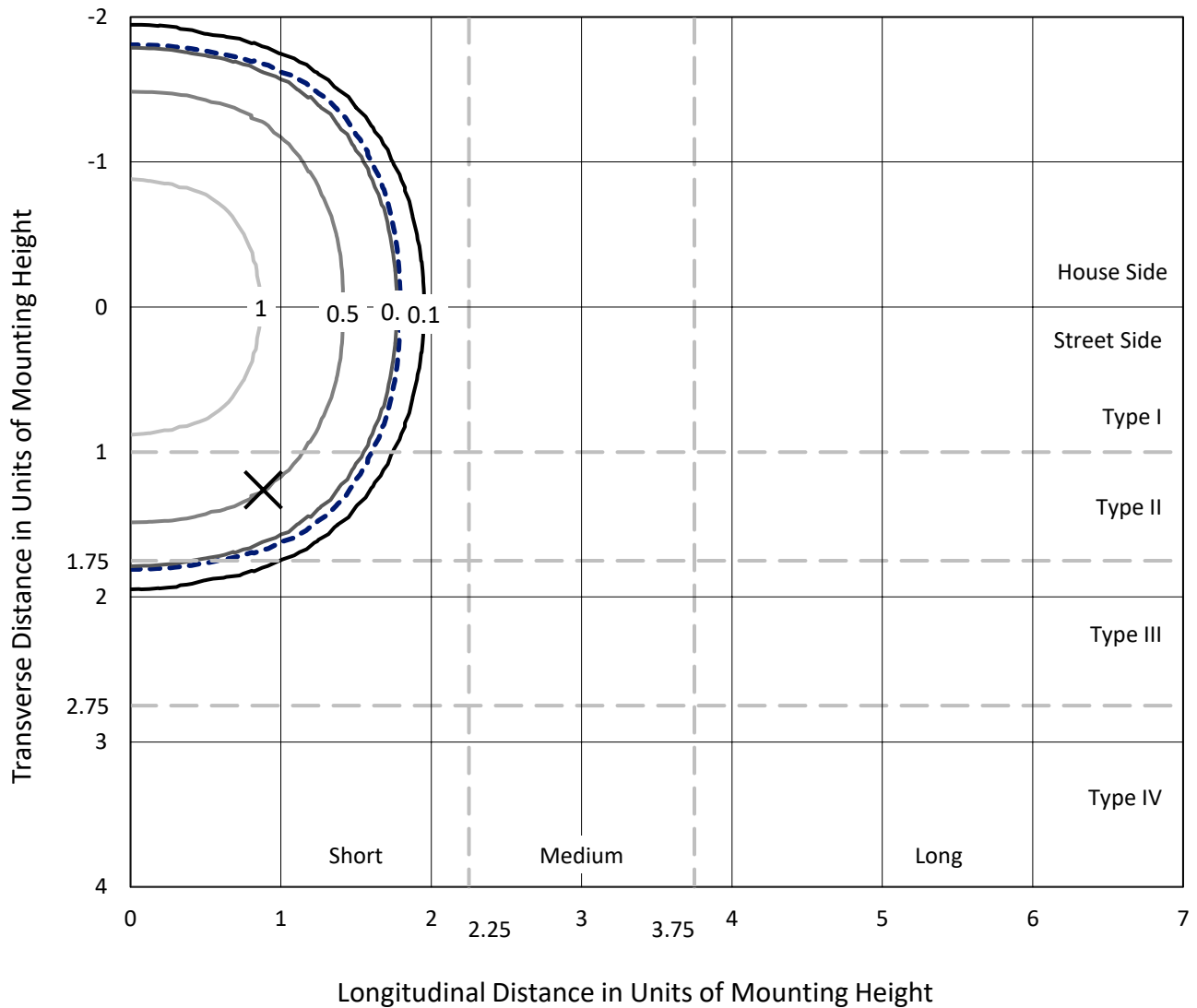
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

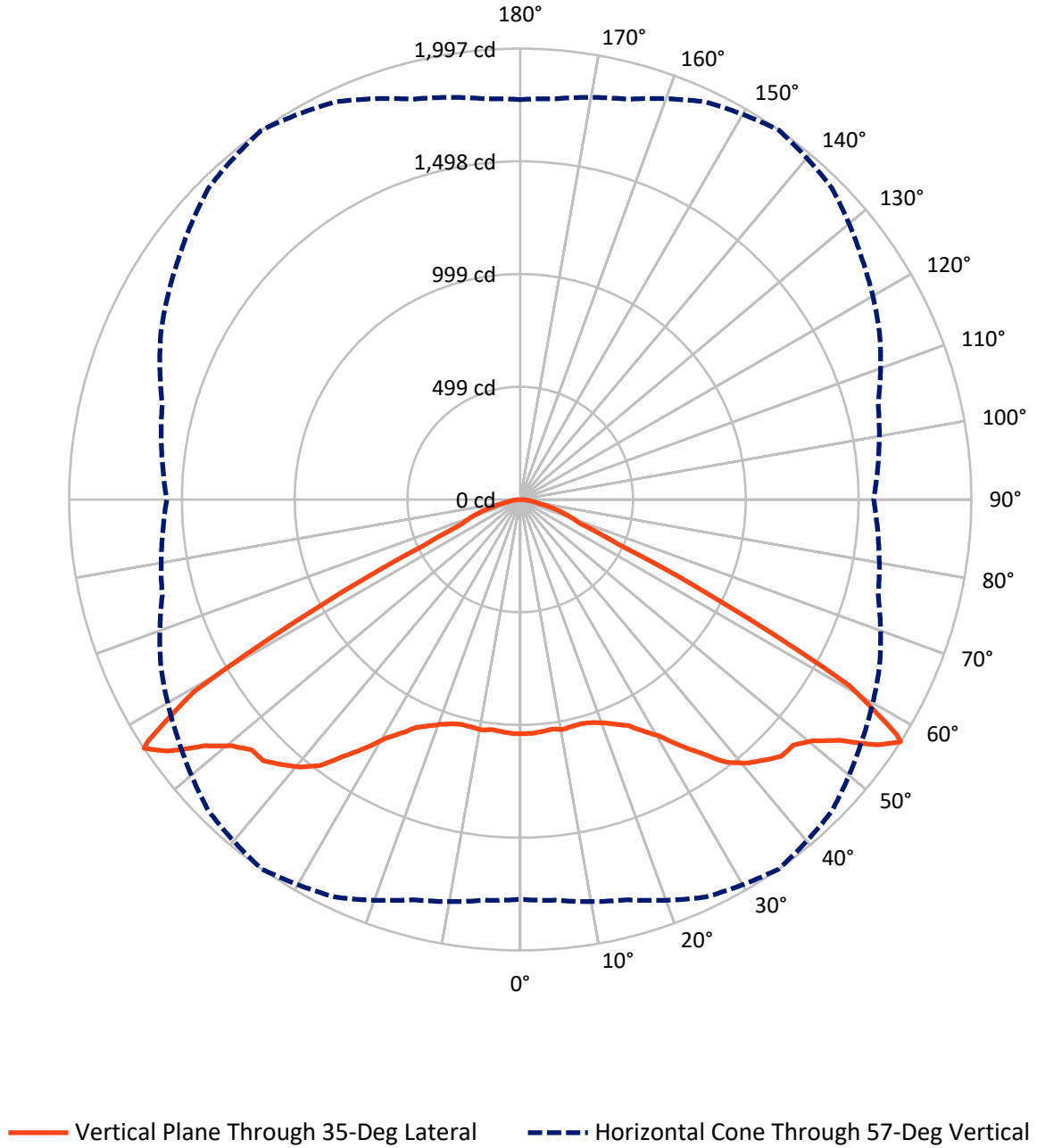
× Max cd  
 - - - 1/2 Max cd



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



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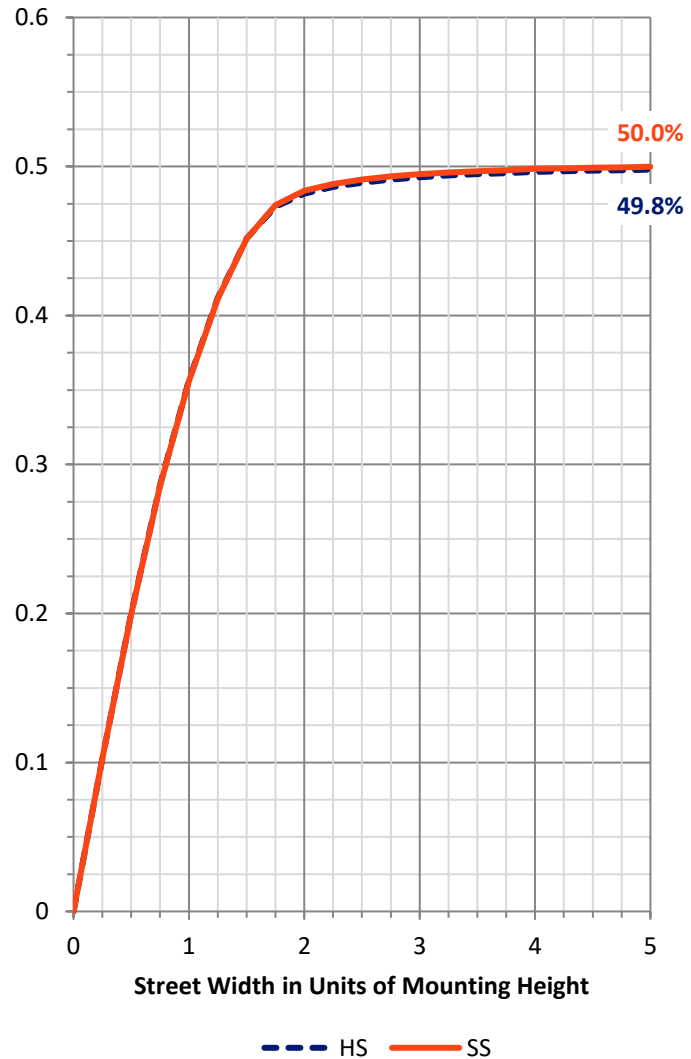
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5251.0	0.0	5251.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	1.9
10°-20°	291.2	5.5
20°-30°	508.5	9.7
30°-40°	833.3	15.9
40°-50°	1221.8	23.3
50°-60°	1538.9	29.3
60°-70°	578.8	11.0
70°-80°	153.9	2.9
80°-90°	26.4	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°	5251.0	100.0
0°-180°	5251.0	100.0

**Coefficient of Utilization**

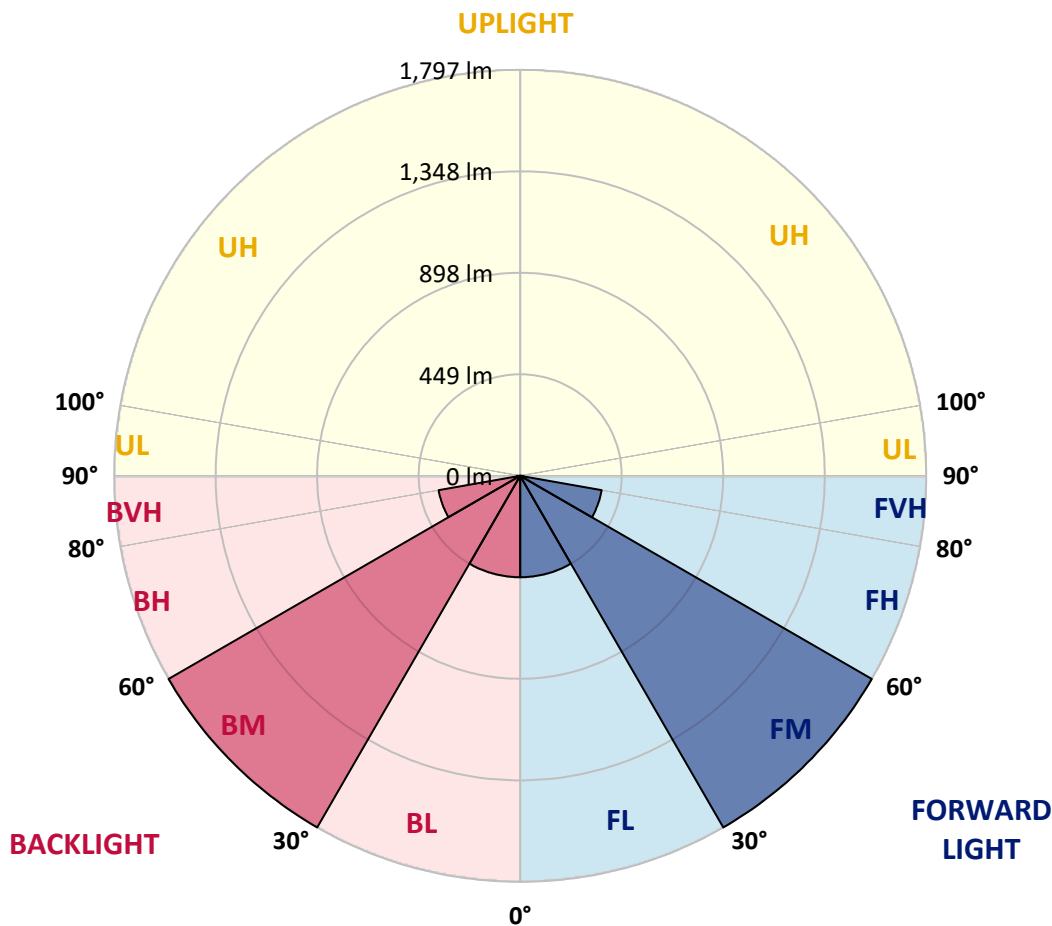


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.0	8.6			
FM (30°-60°)	1797.0	34.2			
FH (60°-80°)	366.3	7.0			G0/660
FVH (80°-90°)	13.2	0.3			G1/100
BL (0°-30°)	449.0	8.6	B1/500		
BM (30°-60°)	1797.0	34.2	B2/2500		
BH (60°-80°)	366.3	7.0	B1/500		G0/660
BVH (80°-90°)	13.2	0.3			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°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1031.9	1042.2	1037.7	1035.1	1037.0	1033.8	1028.6	1034.4	1033.2	1028.0	1026.0
5°	1029.3	1037.0	1031.9	1037.0	1031.9	1040.9	1038.3	1028.6	1040.3	1029.3	1033.2
7.5°	1027.3	1029.9	1031.2	1028.6	1026.7	1037.7	1031.9	1027.3	1020.9	1018.9	1022.2
10°	1022.8	1029.3	1019.6	1032.5	1035.1	1027.3	1027.3	1018.9	1013.7	1010.5	1021.5
12.5°	1034.4	1023.4	1022.2	1028.6	1030.6	1033.8	1024.7	1020.2	1010.5	1011.8	1009.9
15°	1020.9	1025.4	1026.0	1027.3	1029.3	1037.0	1028.6	1018.9	1015.0	1001.5	1002.7
17.5°	1026.0	1021.5	1026.0	1040.9	1038.3	1044.2	1035.1	1020.2	1011.2	1003.4	1013.7
20°	1035.1	1033.2	1035.1	1053.2	1056.4	1061.6	1053.9	1040.3	1022.8	1013.7	1018.9
22.5°	1044.8	1043.5	1044.8	1062.3	1081.0	1087.5	1079.7	1048.0	1039.0	1022.2	1016.3
25°	1062.3	1063.6	1077.1	1096.6	1108.8	1121.1	1106.9	1084.3	1055.1	1044.8	1032.5
27.5°	1101.1	1104.3	1112.1	1140.5	1161.9	1172.9	1152.8	1121.8	1103.7	1082.3	1079.1
30°	1149.0	1149.0	1162.5	1187.1	1216.2	1233.1	1208.5	1171.6	1149.6	1138.0	1130.8
32.5°	1212.4	1205.2	1210.4	1253.8	1299.0	1313.3	1280.3	1235.0	1200.1	1184.5	1179.4
35°	1266.7	1271.2	1282.9	1329.4	1379.9	1412.9	1361.1	1302.3	1266.7	1252.5	1249.9
37.5°	1337.2	1345.0	1350.8	1414.8	1475.7	1487.9	1438.1	1390.9	1347.6	1335.9	1329.4
40°	1436.8	1431.7	1433.6	1480.8	1535.8	1543.6	1494.4	1460.8	1425.2	1418.1	1418.1
42.5°	1519.0	1513.2	1519.6	1537.1	1579.2	1573.3	1546.2	1521.6	1506.7	1498.9	1506.7
45°	1568.8	1567.5	1579.2	1592.1	1621.9	1602.5	1581.1	1585.0	1570.8	1557.8	1557.2
47.5°	1623.2	1614.7	1629.0	1648.4	1625.7	1616.7	1615.4	1623.8	1619.3	1596.6	1589.5
50°	1649.7	1646.4	1669.1	1691.7	1679.4	1658.7	1663.3	1676.9	1618.6	1588.2	1570.8
52.5°	1720.8	1721.5	1764.8	1777.1	1771.9	1741.5	1751.2	1714.4	1645.8	1603.1	1605.0
55°	1832.8	1828.2	1876.8	1913.0	1918.8	1880.0	1833.4	1781.7	1695.6	1652.3	1639.3
57°	1771.3	1781.7	1835.3	1942.7	1997.1	1951.2	1849.6	1755.1	1640.6	1588.2	1564.9
57.5°	1689.1	1706.0	1799.1	1907.2	1964.1	1960.2	1829.5	1706.0	1603.7	1522.2	1524.2
60°	1237.6	1240.8	1324.9	1496.4	1674.3	1678.1	1519.0	1355.3	1241.5	1152.8	1165.1
62.5°	652.8	667.6	701.3	839.1	993.0	1030.6	934.2	850.1	751.7	684.5	690.9
65°	345.5	343.5	359.7	398.5	474.2	493.6	480.7	414.0	379.7	368.8	369.4
67.5°	280.8	284.0	282.1	284.0	289.2	297.6	295.6	298.2	300.2	303.4	302.8
70°	238.1	238.1	239.4	240.0	240.0	243.9	248.4	256.8	257.5	260.7	262.0
72.5°	187.6	186.3	188.3	192.8	193.4	196.7	203.1	208.3	210.3	210.3	206.4
75°	127.4	128.7	131.3	135.2	139.1	144.9	150.1	153.3	154.6	152.7	150.7
77.5°	71.8	73.1	75.0	80.9	85.4	90.6	96.4	99.6	102.9	103.5	99.6
80°	42.7	42.7	45.9	50.5	55.6	60.8	66.0	69.9	71.2	71.2	69.2
82.5°	25.9	26.5	29.1	33.6	38.2	41.4	45.9	49.2	51.8	51.1	49.8
85°	13.6	13.6	16.2	20.1	23.3	26.5	26.5	24.6	23.3	20.1	18.8
87.5°	4.5	3.9	5.2	5.2	4.5	5.2	5.2	5.8	5.8	5.8	5.8
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)