

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: P526744

Luminaire Tested: **GALN-SA1D-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1D-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5553 lumens  
Efficiency: N/A  
Efficacy: 85.4 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

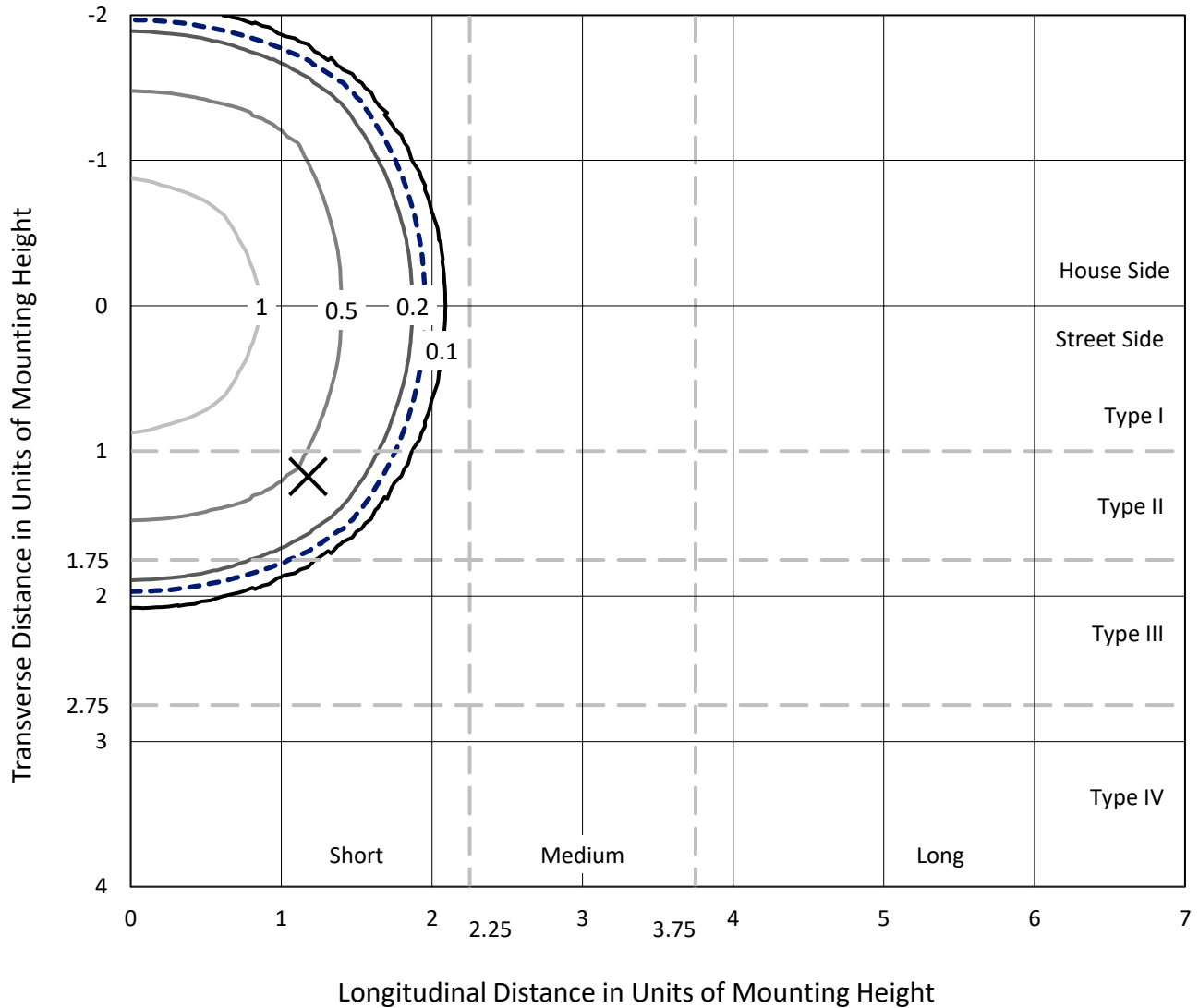
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

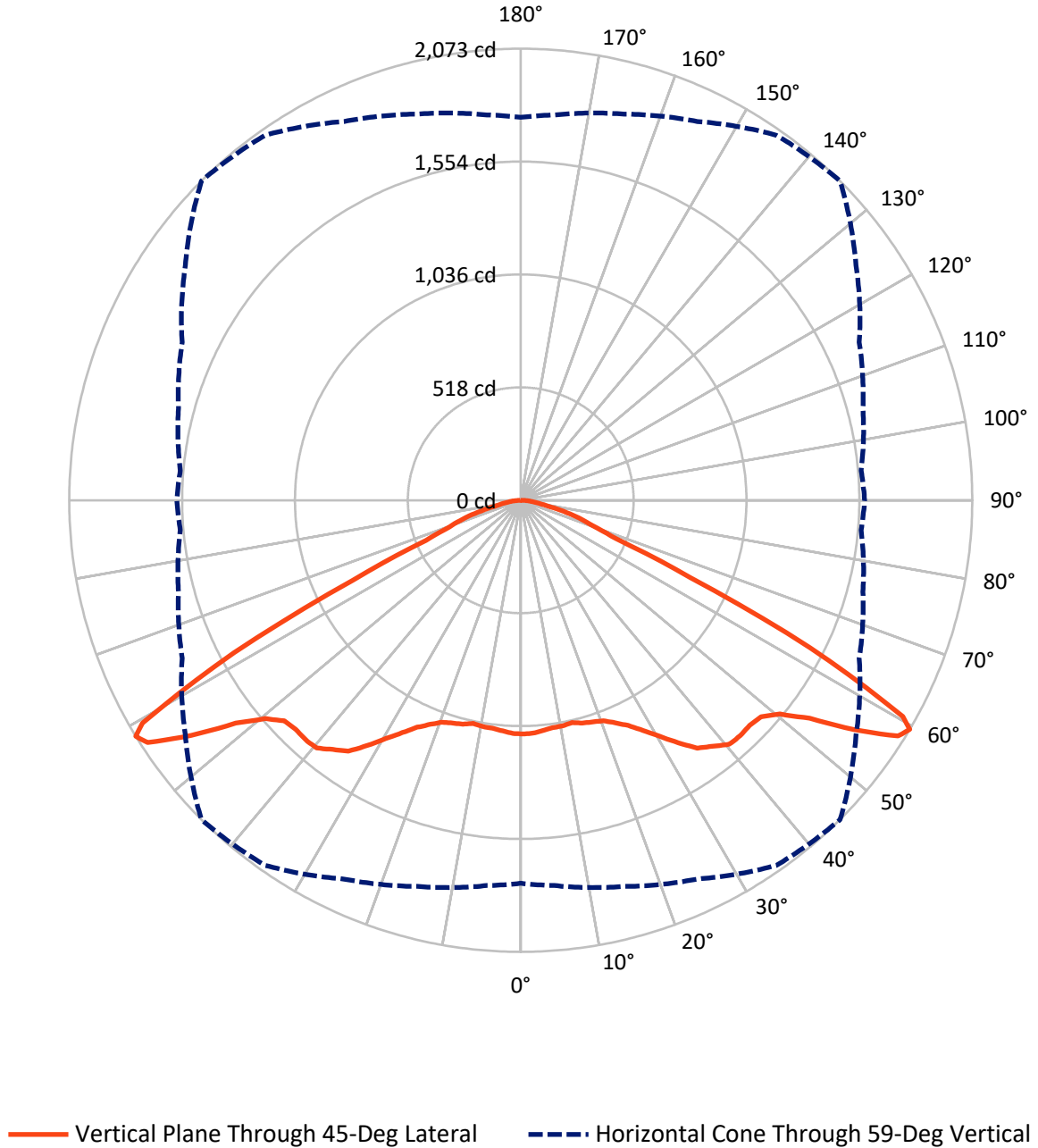
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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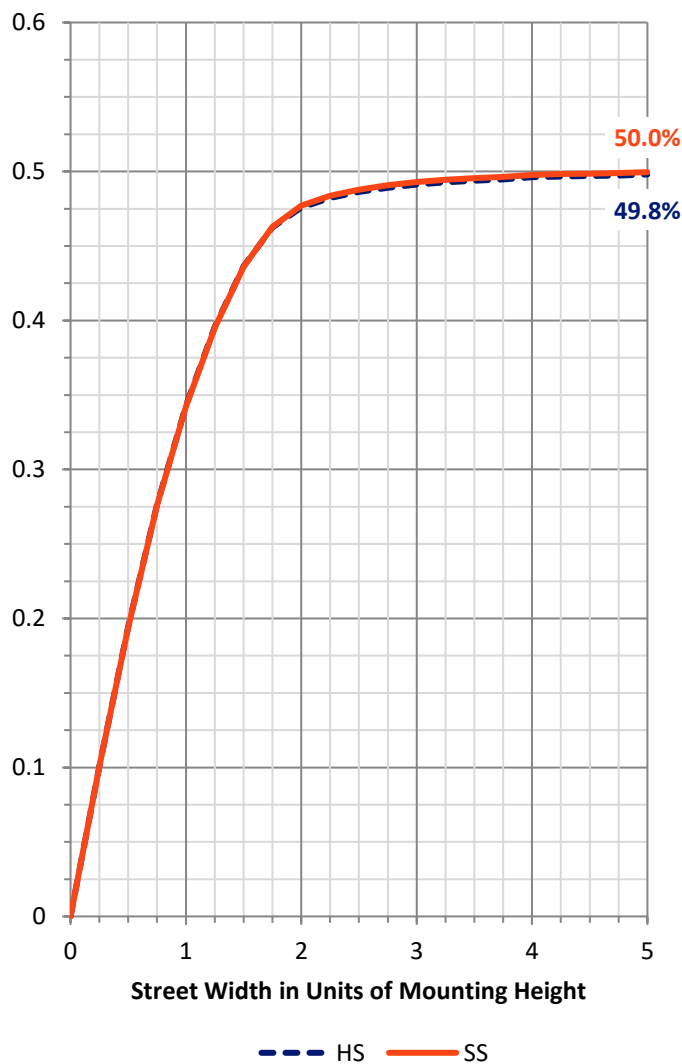
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2776.5	0.0	2776.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2776.5	0.0	2776.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5553.0	0.0	5553.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.1	1.8
10°-20°	300.7	5.4
20°-30°	525.0	9.5
30°-40°	838.5	15.1
40°-50°	1142.3	20.6
50°-60°	1544.6	27.8
60°-70°	847.1	15.3
70°-80°	216.7	3.9
80°-90°	37.0	0.7
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°	5553.0	100.0
0°-180°	5553.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P526744

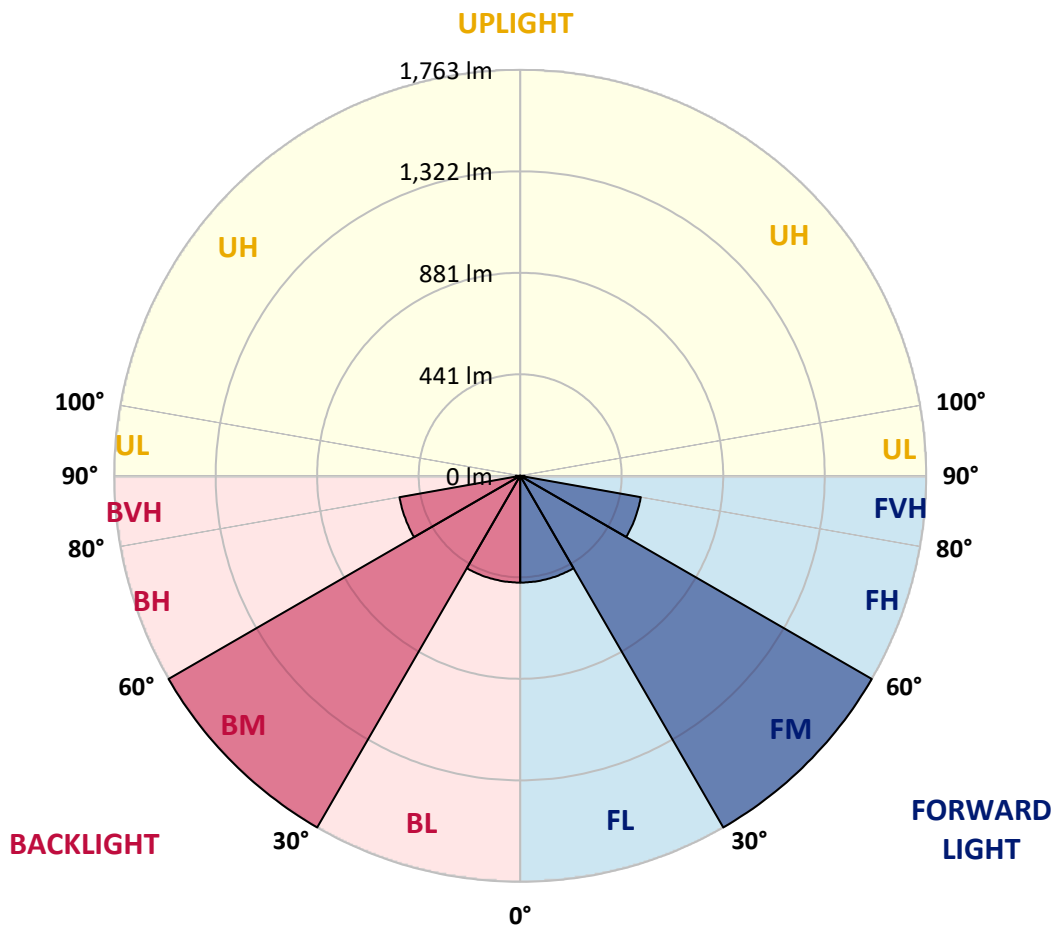
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.4	8.3			
FM (30°-60°)	1762.7	31.7			
FH (60°-80°)	531.9	9.6			G0/660
FVH (80°-90°)	18.5	0.3			G1/100
BL (0°-30°)	463.4	8.3	B1/500		
BM (30°-60°)	1762.7	31.7	B2/2500		
BH (60°-80°)	531.9	9.6	B2/1000		G0/660
BVH (80°-90°)	18.5	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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1066.2	1074.0	1068.3	1073.3	1072.6	1070.4	1066.9	1064.7	1061.9	1066.2	1059.1
5°	1061.9	1068.3	1074.7	1066.2	1066.2	1061.9	1059.8	1055.5	1055.5	1054.8	1054.1
7.5°	1069.0	1062.6	1059.8	1061.2	1062.6	1053.4	1059.8	1051.2	1044.1	1049.1	1054.8
10°	1062.6	1065.5	1054.8	1059.8	1051.9	1053.4	1049.1	1054.8	1047.0	1047.0	1047.0
12.5°	1069.0	1061.2	1064.7	1061.2	1059.1	1047.0	1052.6	1046.2	1045.5	1052.6	1046.2
15°	1081.8	1069.0	1066.2	1059.1	1061.2	1061.2	1055.5	1056.2	1048.4	1052.6	1054.1
17.5°	1077.6	1070.4	1068.3	1059.8	1066.9	1069.0	1058.3	1051.2	1056.2	1055.5	1054.8
20°	1081.1	1084.0	1081.8	1083.2	1086.1	1080.4	1070.4	1060.5	1054.1	1063.3	1062.6
22.5°	1103.9	1101.0	1099.6	1098.2	1103.2	1108.9	1095.3	1079.7	1079.7	1086.1	1088.9
25°	1122.4	1121.7	1121.0	1127.4	1144.5	1144.5	1127.4	1107.4	1102.5	1106.7	1103.2
27.5°	1149.4	1157.3	1154.4	1165.8	1190.7	1196.4	1173.6	1150.2	1136.6	1131.6	1138.1
30°	1211.4	1202.1	1204.2	1216.3	1238.4	1256.9	1222.0	1197.1	1178.6	1177.9	1180.8
32.5°	1252.6	1259.8	1266.2	1277.6	1312.4	1326.7	1284.7	1244.1	1232.7	1226.3	1228.4
35°	1335.2	1328.8	1327.4	1338.8	1373.6	1397.1	1344.5	1308.9	1293.9	1308.2	1308.2
37.5°	1413.5	1395.7	1382.2	1397.1	1429.1	1432.0	1387.2	1367.9	1360.1	1376.5	1375.8
40°	1450.5	1449.1	1417.8	1426.3	1469.0	1473.3	1431.3	1408.5	1407.1	1428.4	1449.8
42.5°	1488.9	1475.4	1444.1	1449.8	1476.1	1477.5	1437.7	1431.3	1446.9	1467.6	1469.0
45°	1495.3	1484.0	1464.0	1449.8	1469.0	1473.3	1449.8	1454.1	1455.5	1480.4	1480.4
47.5°	1508.2	1506.7	1495.3	1484.7	1488.2	1484.7	1469.7	1476.1	1497.5	1509.6	1503.9
50°	1543.7	1528.8	1540.2	1530.9	1531.6	1541.6	1528.1	1534.5	1530.2	1519.5	1512.4
52.5°	1622.0	1614.9	1624.9	1631.3	1638.4	1661.2	1645.5	1611.4	1579.3	1550.9	1550.1
55°	1736.6	1741.6	1760.8	1793.6	1821.3	1857.6	1782.2	1700.3	1649.1	1604.2	1607.1
57.5°	1844.8	1841.2	1867.6	1942.3	2023.4	2041.9	1893.9	1777.2	1693.9	1665.4	1653.3
59°	1758.0	1775.0	1834.8	1918.1	2045.5	2072.6	1879.0	1714.6	1626.3	1568.6	1578.6
60°	1621.3	1627.7	1681.1	1797.1	1969.4	2015.6	1778.6	1617.8	1500.3	1466.9	1481.8
62.5°	1145.9	1140.9	1179.3	1274.0	1428.4	1491.1	1322.4	1209.2	1135.2	1098.2	1106.7
65°	609.2	632.0	647.7	706.7	788.6	854.8	785.0	735.9	694.6	664.0	663.3
67.5°	411.4	408.5	412.1	425.6	453.4	471.9	470.5	445.5	442.0	436.3	442.7
70°	346.6	345.2	338.8	338.8	344.5	348.7	353.7	356.6	362.3	369.4	368.7
72.5°	281.1	277.6	273.3	271.2	278.3	280.4	286.8	289.7	294.7	293.9	300.3
75°	185.8	185.8	190.7	196.4	198.6	202.8	203.6	212.1	212.1	213.5	207.8
77.5°	103.9	101.1	104.6	110.3	115.3	123.1	131.0	137.4	140.9	139.5	139.5
80°	60.5	60.5	64.1	70.5	76.9	84.0	89.7	94.7	98.2	96.8	93.9
82.5°	37.7	37.7	41.3	47.7	52.7	56.9	64.8	71.2	75.4	74.0	70.5
85°	19.2	19.2	23.5	27.8	34.2	37.0	36.3	33.5	32.7	29.2	29.2
87.5°	5.0	5.0	7.1	7.8	6.4	7.1	7.1	7.1	7.1	7.1	7.8
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)