

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: P526536

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526536
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-SA1C-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 5497 lumens
Efficiency: N/A
Efficacy: 96.4 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

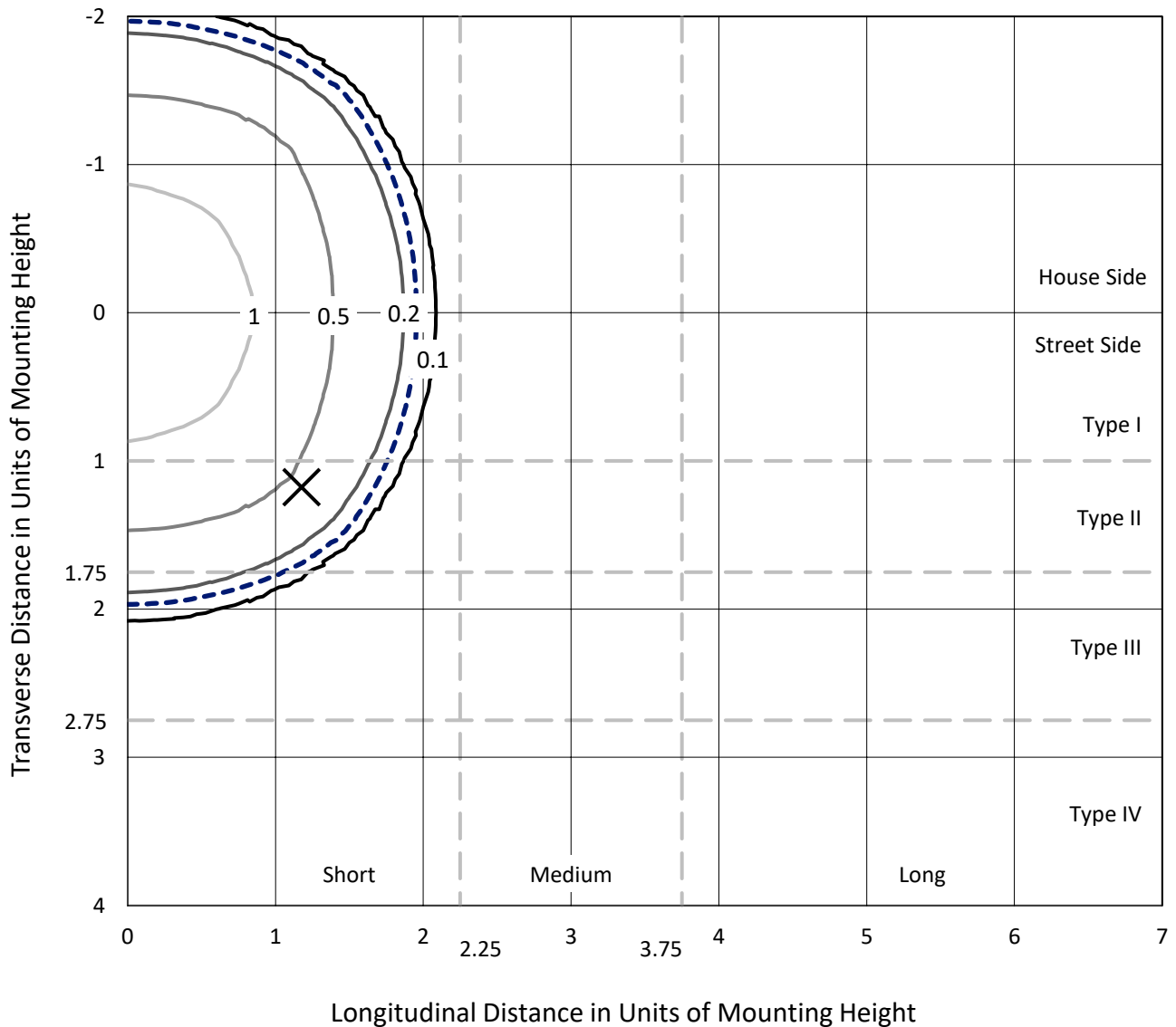
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

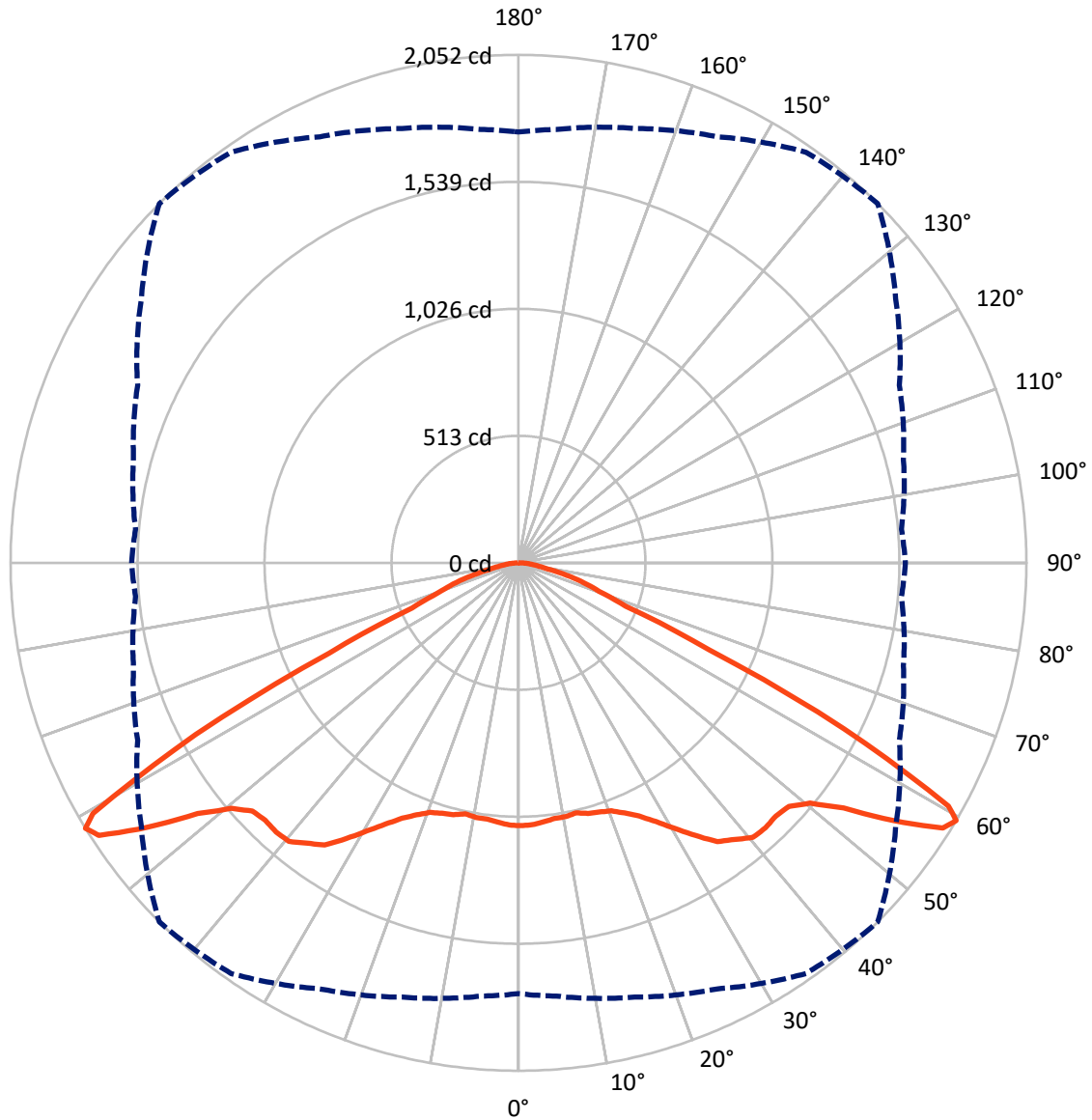
× Max cd
 - - - 1/2 Max cd



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 59-Deg Vertical

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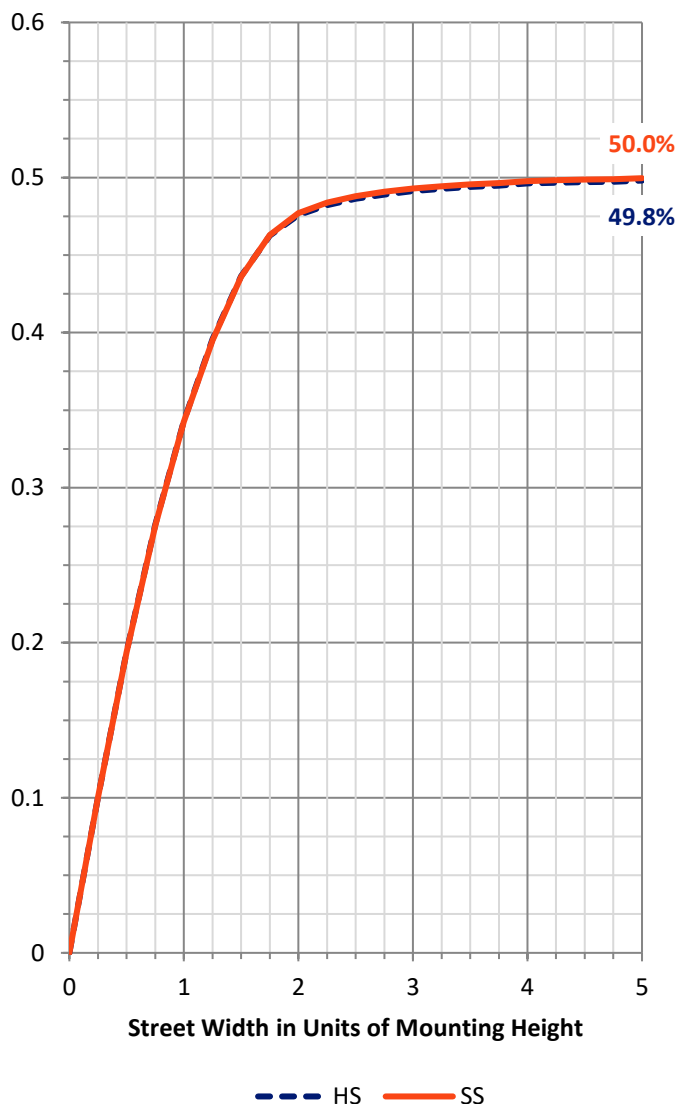
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2748.5	0.0	2748.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2748.5	0.0	2748.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5497.0	0.0	5497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.8
10°-20°	297.6	5.4
20°-30°	519.7	9.5
30°-40°	830.1	15.1
40°-50°	1130.7	20.6
50°-60°	1529.1	27.8
60°-70°	838.5	15.3
70°-80°	214.5	3.9
80°-90°	36.6	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°	5497.0	100.0
0°-180°	5497.0	100.0

Coefficient of Utilization

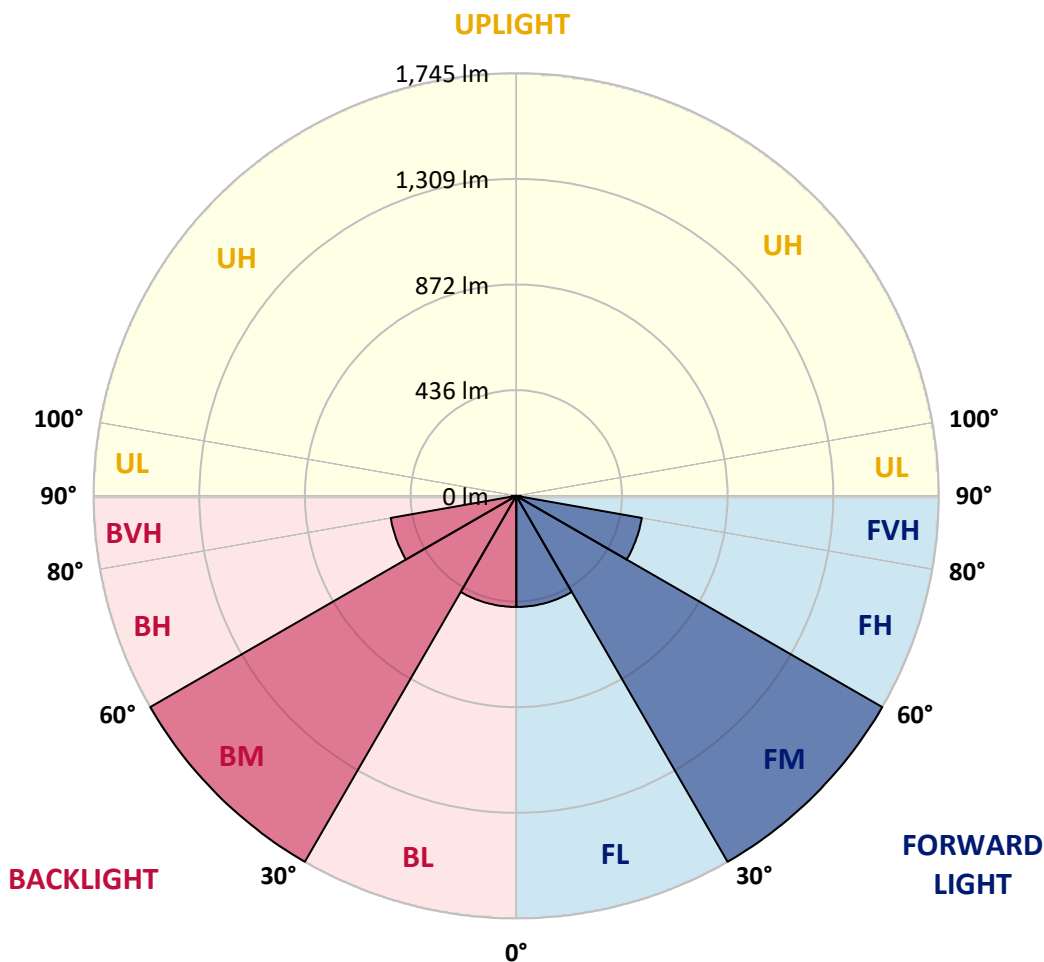


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.7	8.3			
FM (30°-60°)	1744.9	31.7			
FH (60°-80°)	526.5	9.6			G0/660
FVH (80°-90°)	18.3	0.3			G1/100
BL (0°-30°)	458.7	8.3	B1/500		
BM (30°-60°)	1744.9	31.7	B2/2500		
BH (60°-80°)	526.5	9.6	B2/1000		G0/660
BVH (80°-90°)	18.3	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°	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8	1061.8
2.5°	1055.4	1063.2	1057.5	1062.5	1061.8	1059.6	1056.1	1054.0	1051.2	1055.4	1048.4
5°	1051.2	1057.5	1063.9	1055.4	1055.4	1051.2	1049.1	1044.8	1044.8	1044.1	1043.4
7.5°	1058.2	1051.9	1049.1	1050.5	1051.9	1042.7	1049.1	1040.6	1033.6	1038.5	1044.1
10°	1051.9	1054.7	1044.1	1049.1	1041.3	1042.7	1038.5	1044.1	1036.4	1036.4	1036.4
12.5°	1058.2	1050.5	1054.0	1050.5	1048.4	1036.4	1042.0	1035.7	1035.0	1042.0	1035.7
15°	1070.9	1058.2	1055.4	1048.4	1050.5	1050.5	1044.8	1045.6	1037.8	1042.0	1043.4
17.5°	1066.7	1059.6	1057.5	1049.1	1056.1	1058.2	1047.7	1040.6	1045.6	1044.8	1044.1
20°	1070.2	1073.0	1070.9	1072.3	1075.1	1069.5	1059.6	1049.8	1043.4	1052.6	1051.9
22.5°	1092.8	1089.9	1088.5	1087.1	1092.1	1097.7	1084.3	1068.8	1068.8	1075.1	1078.0
25°	1111.1	1110.4	1109.7	1116.0	1132.9	1132.9	1116.0	1096.3	1091.3	1095.6	1092.1
27.5°	1137.8	1145.6	1142.8	1154.1	1178.7	1184.3	1161.8	1138.6	1125.2	1120.2	1126.6
30°	1199.1	1190.0	1192.1	1204.1	1225.9	1244.2	1209.7	1185.1	1166.7	1166.0	1168.8
32.5°	1240.0	1247.1	1253.4	1264.7	1299.2	1313.3	1271.7	1231.6	1220.3	1213.9	1216.1
35°	1321.7	1315.4	1314.0	1325.3	1359.8	1383.0	1330.9	1295.7	1280.9	1295.0	1295.0
37.5°	1399.2	1381.6	1368.2	1383.0	1414.7	1417.6	1373.2	1354.1	1346.4	1362.6	1361.9
40°	1435.9	1434.5	1403.5	1411.9	1454.2	1458.4	1416.9	1394.3	1392.9	1414.0	1435.2
42.5°	1473.9	1460.5	1429.5	1435.2	1461.2	1462.6	1423.2	1416.9	1432.4	1452.8	1454.2
45°	1480.3	1469.0	1449.3	1435.2	1454.2	1458.4	1435.2	1439.4	1440.8	1465.5	1465.5
47.5°	1492.9	1491.5	1480.3	1469.7	1473.2	1469.7	1454.9	1461.2	1482.4	1494.4	1488.7
50°	1528.2	1513.4	1524.6	1515.5	1516.2	1526.1	1512.7	1519.0	1514.8	1504.2	1497.2
52.5°	1605.7	1598.6	1608.5	1614.8	1621.9	1644.4	1628.9	1595.1	1563.4	1535.2	1534.5
55°	1719.1	1724.0	1743.1	1775.5	1802.9	1838.9	1764.2	1683.2	1632.4	1588.1	1590.9
57.5°	1826.2	1822.7	1848.7	1922.7	2003.0	2021.4	1874.8	1759.3	1676.8	1648.6	1636.7
59°	1740.2	1757.1	1816.3	1898.8	2024.9	2051.7	1860.0	1697.3	1609.9	1552.8	1562.7
60°	1605.0	1611.3	1664.1	1779.0	1949.5	1995.3	1760.7	1601.4	1485.2	1452.1	1466.9
62.5°	1134.3	1129.4	1167.4	1261.1	1414.0	1476.0	1309.1	1197.0	1123.8	1087.1	1095.6
65°	603.1	625.6	641.1	699.6	780.6	846.2	777.1	728.5	687.6	657.3	656.6
67.5°	407.2	404.4	407.9	421.3	448.8	467.1	465.7	441.0	437.5	431.9	438.2
70°	343.1	341.7	335.4	335.4	341.0	345.2	350.2	353.0	358.6	365.7	365.0
72.5°	278.3	274.8	270.5	268.4	275.5	277.6	283.9	286.8	291.7	291.0	297.3
75°	183.9	183.9	188.8	194.5	196.6	200.8	201.5	210.0	210.0	211.4	205.7
77.5°	102.9	100.0	103.6	109.2	114.1	121.9	129.6	136.0	139.5	138.1	138.1
80°	59.9	59.9	63.4	69.8	76.1	83.1	88.8	93.7	97.2	95.8	93.0
82.5°	37.3	37.3	40.9	47.2	52.1	56.4	64.1	70.5	74.7	73.3	69.8
85°	19.0	19.0	23.3	27.5	33.8	36.6	35.9	33.1	32.4	28.9	28.9
87.5°	4.9	4.9	7.0	7.8	6.3	7.0	7.0	7.0	7.0	7.0	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)