

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: P526562

Luminaire Tested: **GALN-SA1C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526562
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-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 5622 lumens
Efficiency: N/A
Efficacy: 98.6 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

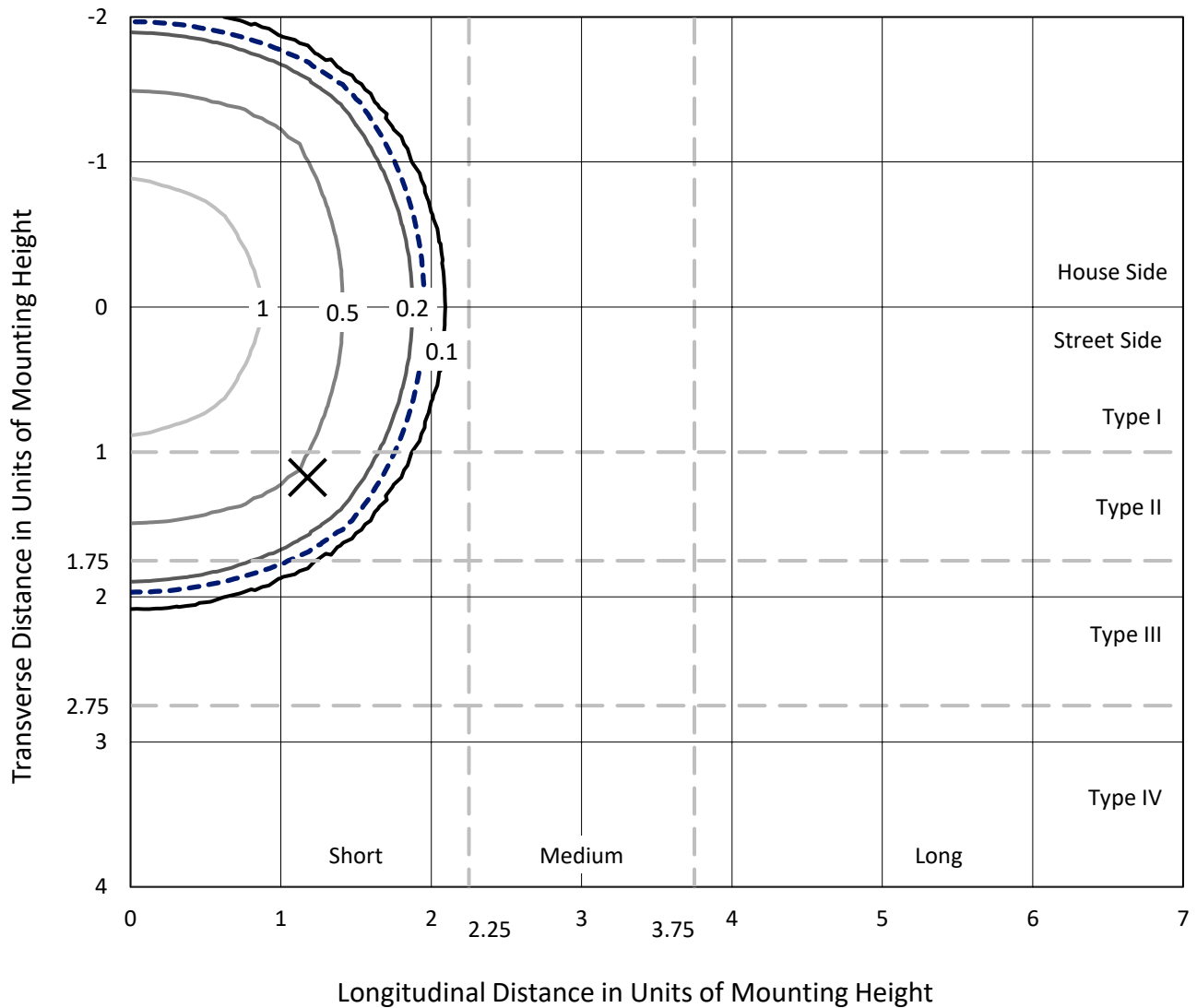
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526562
 CATALOG NUMBER: GALN-SA1C-735-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

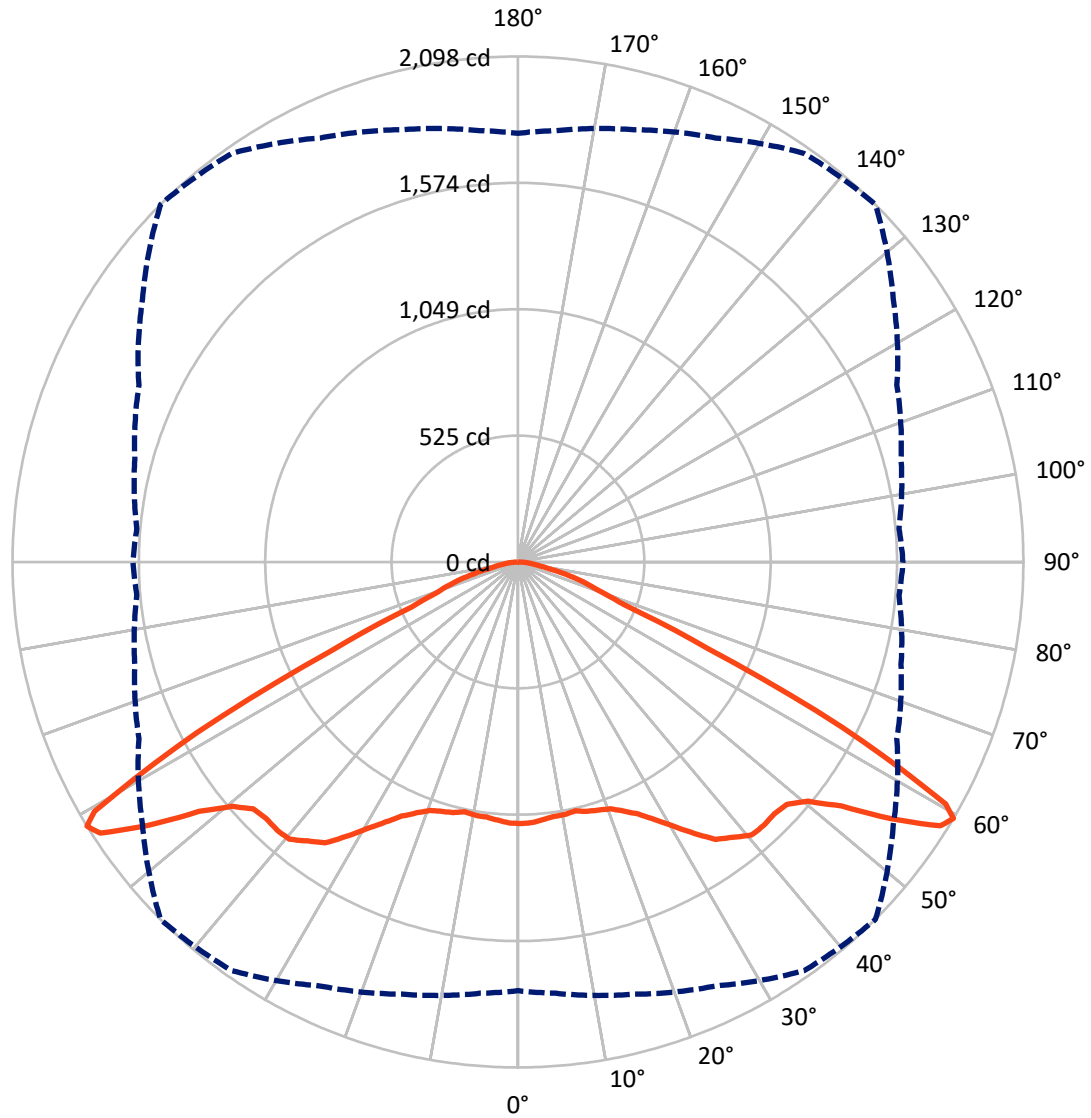
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P526562
CATALOG NUMBER: GALN-SA1C-735-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P526562
 CATALOG NUMBER: GALN-SA1C-735-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2811.0	0.0	2811.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2811.0	0.0	2811.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5622.0	0.0	5622.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.8
10°-20°	304.4	5.4
20°-30°	531.5	9.5
30°-40°	849.0	15.1
40°-50°	1156.5	20.6
50°-60°	1563.8	27.8
60°-70°	857.6	15.3
70°-80°	219.4	3.9
80°-90°	37.4	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°	5622.0	100.0
0°-180°	5622.0	100.0

Coefficient of Utilization

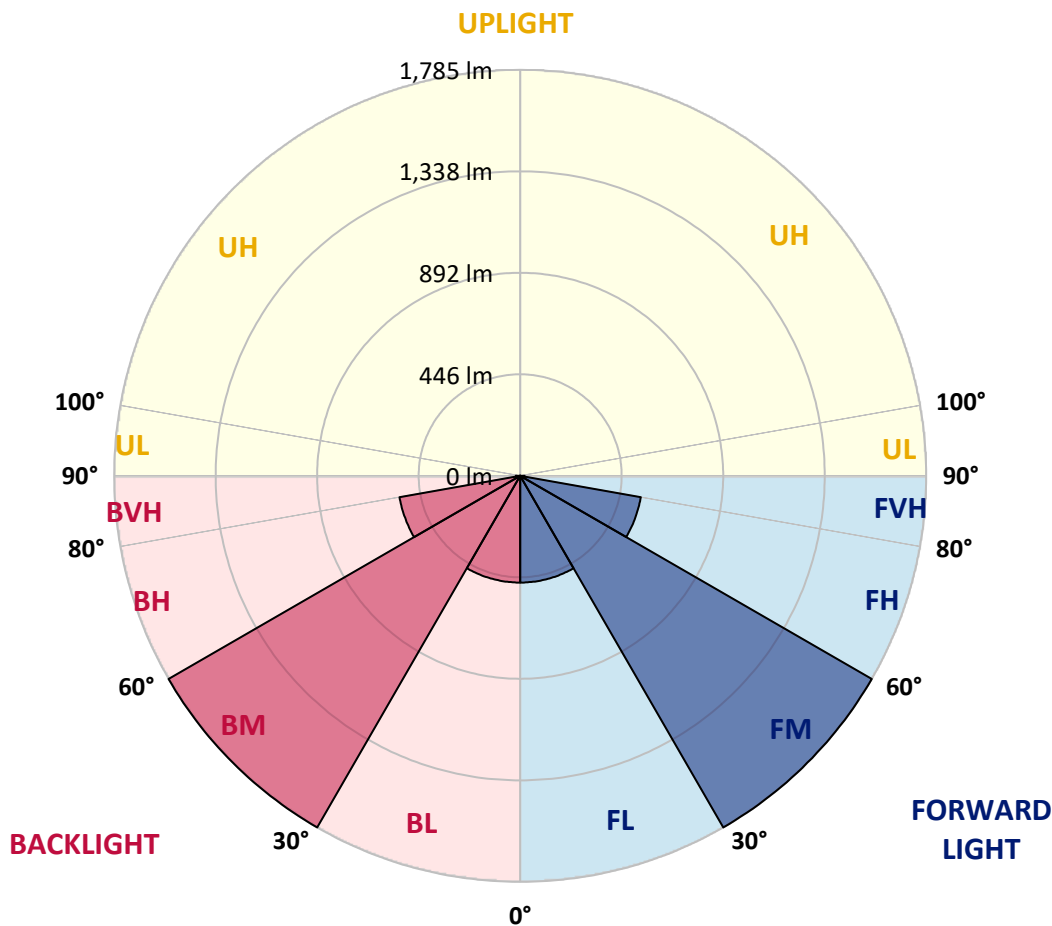


REPORT NUMBER: P526562
 CATALOG NUMBER: GALN-SA1C-735-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.2	8.3			
FM (30°-60°)	1784.6	31.7			
FH (60°-80°)	538.5	9.6			G0/660
FVH (80°-90°)	18.7	0.3			G1/100
BL (0°-30°)	469.2	8.3	B1/500		
BM (30°-60°)	1784.6	31.7	B2/2500		
BH (60°-80°)	538.5	9.6	B2/1000		G0/660
BVH (80°-90°)	18.7	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





REPORT NUMBER: P526562

CATALOG NUMBER: GALN-SA1C-735-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9
2.5°	1079.4	1087.3	1081.6	1086.6	1085.9	1083.7	1080.1	1078.0	1075.1	1079.4	1072.2
5°	1075.1	1081.6	1088.1	1079.4	1079.4	1075.1	1072.9	1068.6	1068.6	1067.9	1067.2
7.5°	1082.3	1075.8	1072.9	1074.4	1075.8	1066.4	1072.9	1064.3	1057.1	1062.1	1067.9
10°	1075.8	1078.7	1067.9	1072.9	1065.0	1066.4	1062.1	1067.9	1060.0	1060.0	1060.0
12.5°	1082.3	1074.4	1078.0	1074.4	1072.2	1060.0	1065.7	1059.2	1058.5	1065.7	1059.2
15°	1095.3	1082.3	1079.4	1072.2	1074.4	1074.4	1068.6	1069.3	1061.4	1065.7	1067.2
17.5°	1090.9	1083.7	1081.6	1072.9	1080.1	1082.3	1071.5	1064.3	1069.3	1068.6	1067.9
20°	1094.5	1097.4	1095.3	1096.7	1099.6	1093.8	1083.7	1073.7	1067.2	1076.5	1075.8
22.5°	1117.6	1114.7	1113.3	1111.8	1116.9	1122.7	1109.0	1093.1	1093.1	1099.6	1102.5
25°	1136.3	1135.6	1134.9	1141.4	1158.7	1158.7	1141.4	1121.2	1116.2	1120.5	1116.9
27.5°	1163.7	1171.6	1168.8	1180.3	1205.5	1211.3	1188.2	1164.4	1150.8	1145.7	1152.2
30°	1226.4	1217.0	1219.2	1231.5	1253.8	1272.5	1237.2	1212.0	1193.3	1192.5	1195.4
32.5°	1268.2	1275.4	1281.9	1293.4	1328.7	1343.1	1300.6	1259.6	1248.0	1241.5	1243.7
35°	1351.8	1345.3	1343.9	1355.4	1390.7	1414.5	1361.2	1325.1	1310.0	1324.4	1324.4
37.5°	1431.1	1413.0	1399.4	1414.5	1446.9	1449.8	1404.4	1384.9	1377.0	1393.6	1392.9
40°	1468.5	1467.1	1435.4	1444.0	1487.3	1491.6	1449.1	1426.0	1424.6	1446.2	1467.8
42.5°	1507.4	1493.7	1462.0	1467.8	1494.5	1495.9	1455.6	1449.1	1464.9	1485.8	1487.3
45°	1513.9	1502.4	1482.2	1467.8	1487.3	1491.6	1467.8	1472.1	1473.6	1498.8	1498.8
47.5°	1526.9	1525.5	1513.9	1503.1	1506.7	1503.1	1488.0	1494.5	1516.1	1528.3	1522.6
50°	1562.9	1547.8	1559.3	1549.9	1550.7	1560.8	1547.1	1553.6	1549.2	1538.4	1531.2
52.5°	1642.2	1635.0	1645.1	1651.6	1658.8	1681.8	1666.0	1631.4	1598.9	1570.1	1569.4
55°	1758.2	1763.2	1782.7	1815.8	1843.9	1880.7	1804.3	1721.4	1669.6	1624.2	1627.1
57.5°	1867.7	1864.1	1890.8	1966.4	2048.6	2067.3	1917.4	1799.3	1715.0	1686.1	1673.9
59°	1779.8	1797.1	1857.6	1941.9	2070.9	2098.3	1902.3	1735.9	1646.5	1588.1	1598.2
60°	1641.5	1647.9	1702.0	1819.4	1993.8	2040.7	1800.7	1637.9	1519.0	1485.1	1500.2
62.5°	1160.1	1155.1	1194.0	1289.8	1446.2	1509.6	1338.8	1224.3	1149.3	1111.8	1120.5
65°	616.8	639.9	655.7	715.5	798.4	865.4	794.8	745.1	703.3	672.3	671.6
67.5°	416.5	413.6	417.2	430.9	459.0	477.7	476.3	451.1	447.5	441.7	448.2
70°	350.9	349.5	343.0	343.0	348.8	353.1	358.1	361.0	366.8	374.0	373.3
72.5°	284.6	281.0	276.7	274.5	281.7	283.9	290.4	293.3	298.3	297.6	304.1
75°	188.1	188.1	193.1	198.9	201.0	205.4	206.1	214.7	214.7	216.2	210.4
77.5°	105.2	102.3	105.9	111.7	116.7	124.7	132.6	139.1	142.7	141.2	141.2
80°	61.2	61.2	64.9	71.3	77.8	85.0	90.8	95.8	99.4	98.0	95.1
82.5°	38.2	38.2	41.8	48.3	53.3	57.6	65.6	72.1	76.4	74.9	71.3
85°	19.5	19.5	23.8	28.1	34.6	37.5	36.7	33.9	33.1	29.5	29.5
87.5°	5.0	5.0	7.2	7.9	6.5	7.2	7.2	7.2	7.2	7.2	7.9
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)