

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: P526532

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526532
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-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 5719 lumens
Efficiency: N/A
Efficacy: 100.3 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

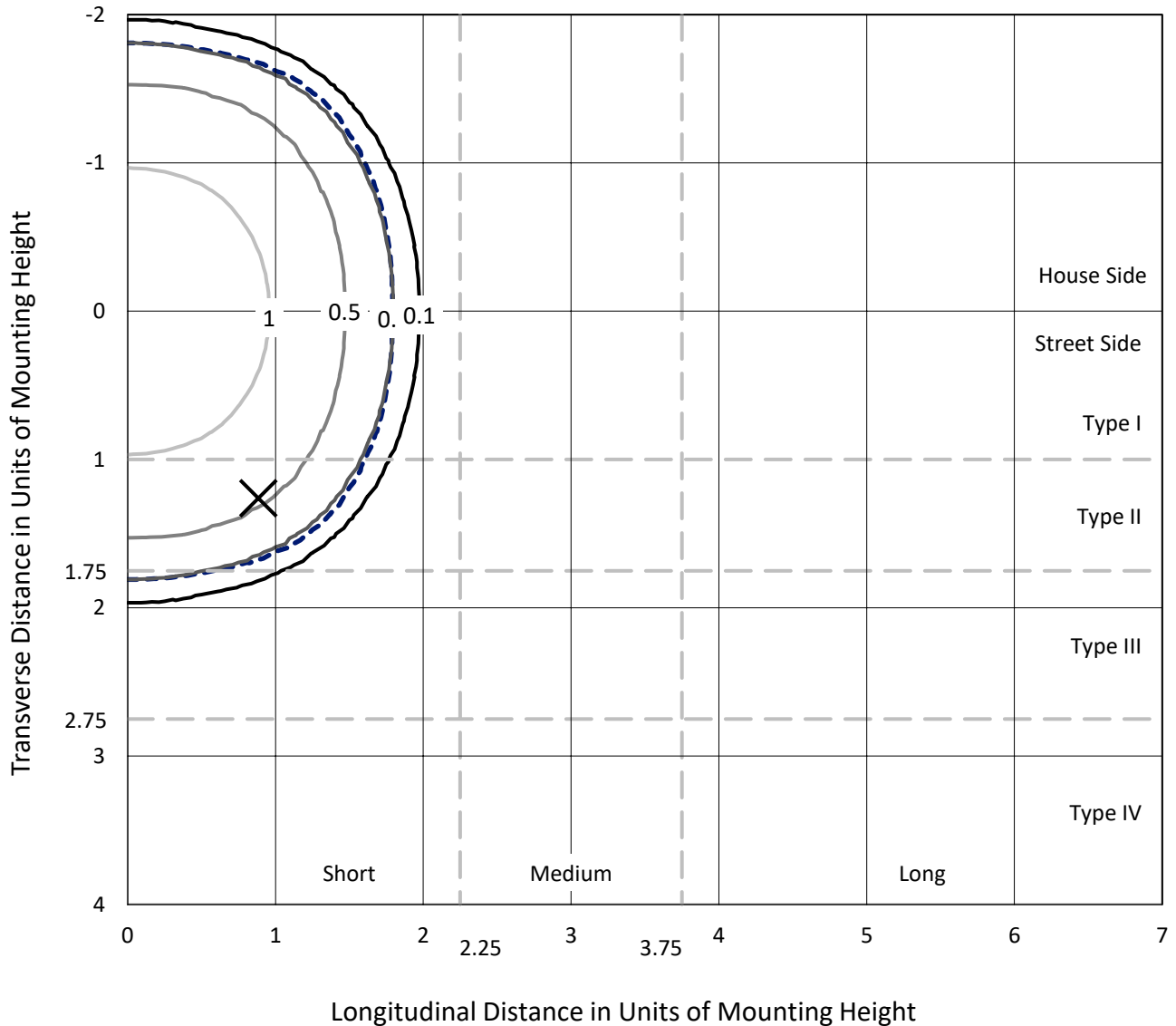
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

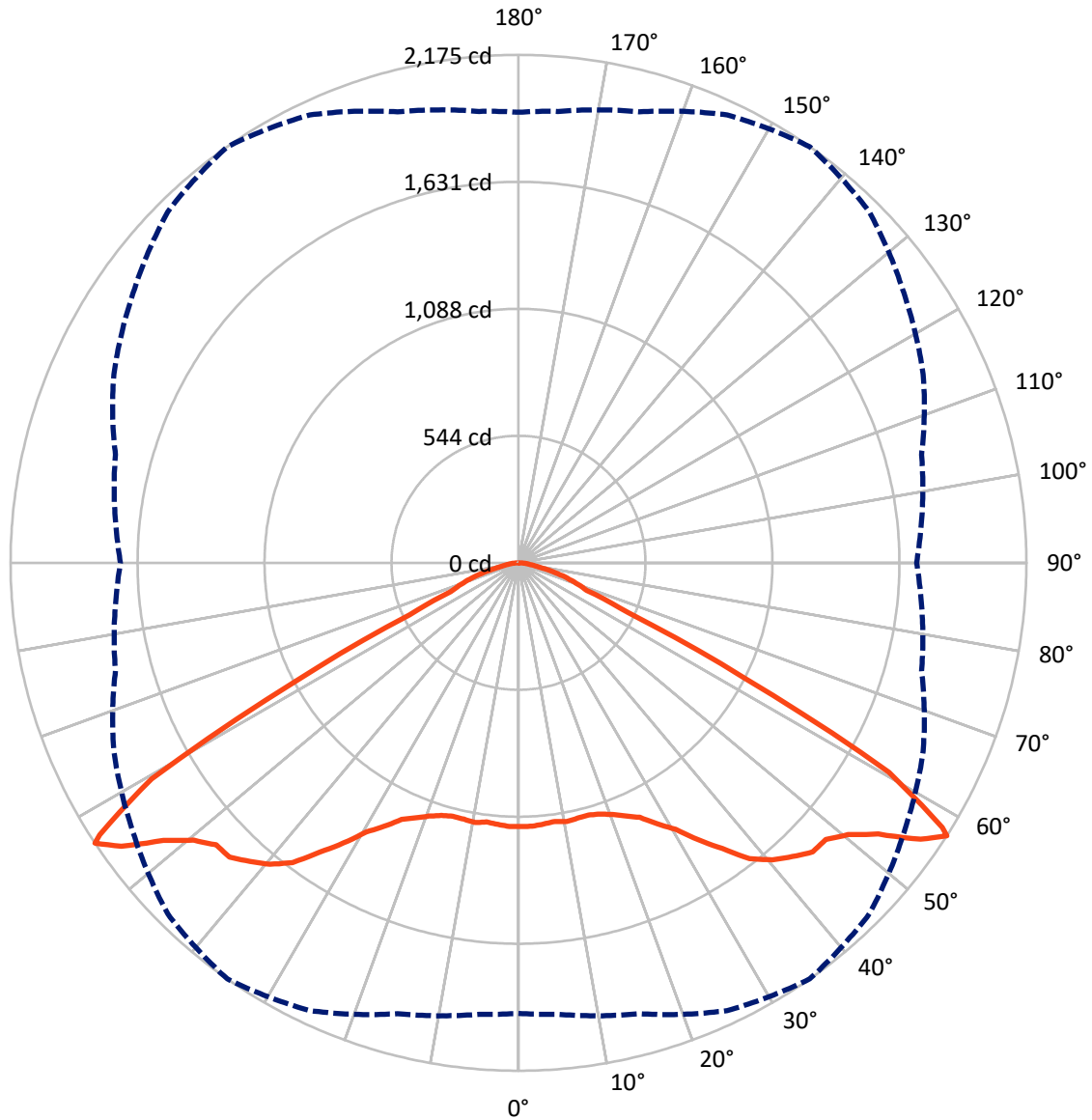
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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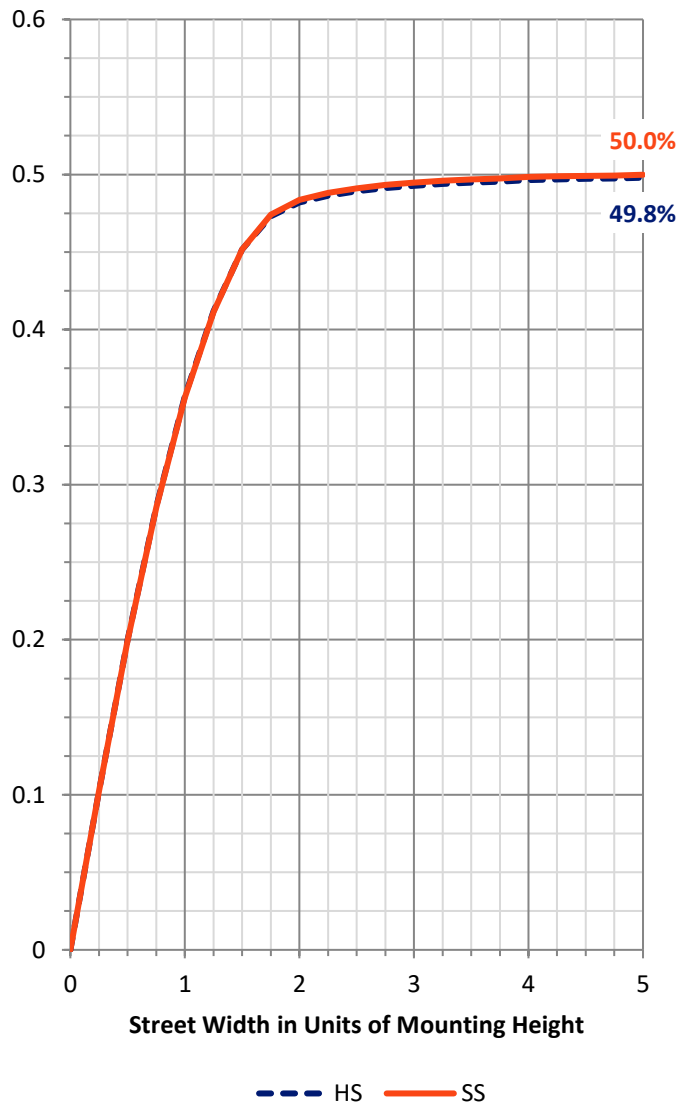
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2859.5	0.0	2859.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2859.5	0.0	2859.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5719.0	0.0	5719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.9
10°-20°	317.1	5.5
20°-30°	553.9	9.7
30°-40°	907.5	15.9
40°-50°	1330.7	23.3
50°-60°	1676.1	29.3
60°-70°	630.3	11.0
70°-80°	167.6	2.9
80°-90°	28.7	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°	5719.0	100.0
0°-180°	5719.0	100.0

Coefficient of Utilization



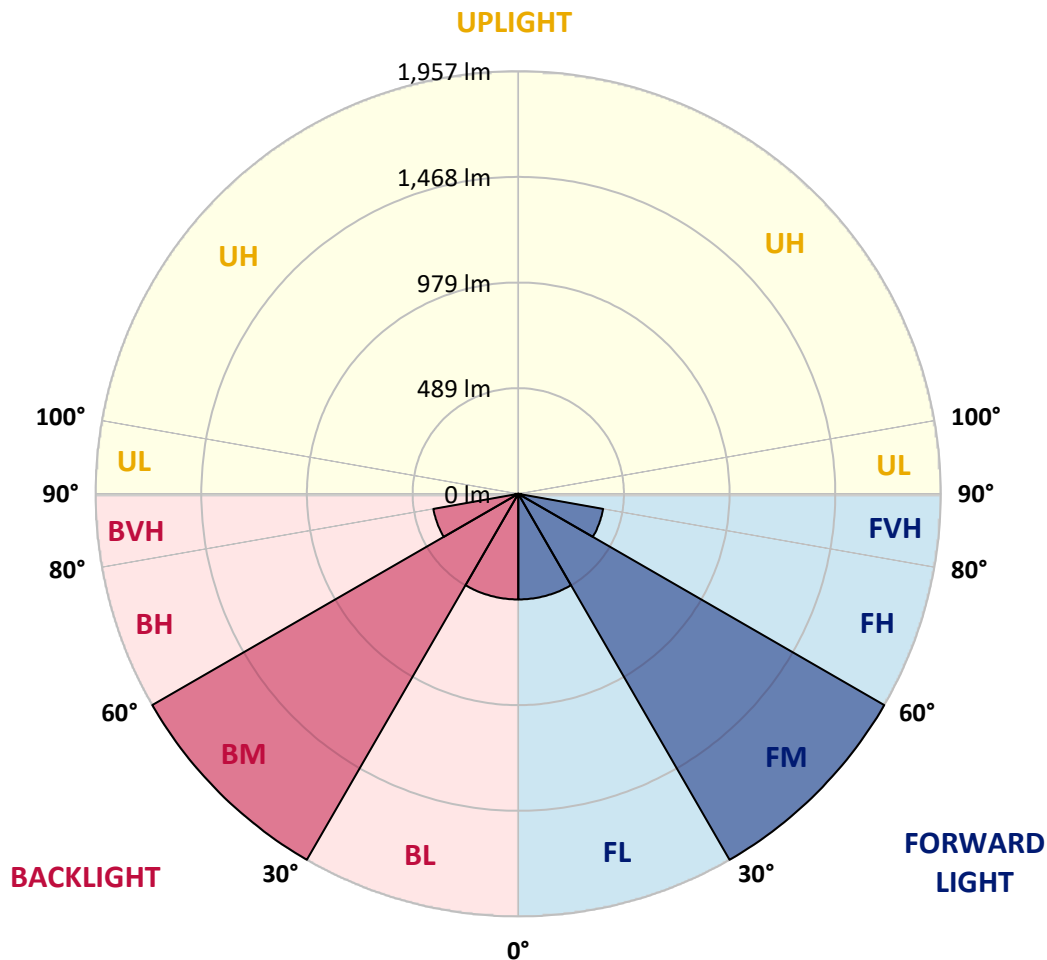
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.0	8.6			
FM (30°-60°)	1957.1	34.2			
FH (60°-80°)	399.0	7.0			G0/660
FVH (80°-90°)	14.4	0.3			G1/100
BL (0°-30°)	489.0	8.6	B1/500		
BM (30°-60°)	1957.1	34.2	B2/2500		
BH (60°-80°)	399.0	7.0	B1/500		G0/660
BVH (80°-90°)	14.4	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°	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5	1129.5
2.5°	1123.8	1135.1	1130.2	1127.3	1129.5	1125.9	1120.3	1126.6	1125.2	1119.6	1117.5
5°	1121.0	1129.5	1123.8	1129.5	1123.8	1133.7	1130.9	1120.3	1133.0	1121.0	1125.2
7.5°	1118.9	1121.7	1123.1	1120.3	1118.2	1130.2	1123.8	1118.9	1111.8	1109.7	1113.3
10°	1114.0	1121.0	1110.4	1124.5	1127.3	1118.9	1118.9	1109.7	1104.1	1100.6	1112.6
12.5°	1126.6	1114.7	1113.3	1120.3	1122.4	1125.9	1116.1	1111.1	1100.6	1102.0	1099.9
15°	1111.8	1116.8	1117.5	1118.9	1121.0	1129.5	1120.3	1109.7	1105.5	1090.7	1092.1
17.5°	1117.5	1112.6	1117.5	1133.7	1130.9	1137.2	1127.3	1111.1	1101.3	1092.8	1104.1
20°	1127.3	1125.2	1127.3	1147.1	1150.6	1156.2	1147.8	1133.0	1114.0	1104.1	1109.7
22.5°	1137.9	1136.5	1137.9	1156.9	1177.4	1184.4	1176.0	1141.4	1131.6	1113.3	1106.9
25°	1156.9	1158.3	1173.1	1194.3	1207.7	1221.1	1205.6	1180.9	1149.2	1137.9	1124.5
27.5°	1199.2	1202.7	1211.2	1242.2	1265.4	1277.4	1255.6	1221.8	1202.0	1178.8	1175.3
30°	1251.4	1251.4	1266.2	1292.9	1324.6	1343.0	1316.2	1276.0	1252.1	1239.4	1231.6
32.5°	1320.4	1312.7	1318.3	1365.5	1414.8	1430.3	1394.4	1345.1	1307.0	1290.1	1284.5
35°	1379.6	1384.5	1397.2	1447.9	1502.9	1538.8	1482.5	1418.3	1379.6	1364.1	1361.3
37.5°	1456.4	1464.8	1471.2	1540.9	1607.2	1620.6	1566.3	1514.9	1467.7	1455.0	1447.9
40°	1564.9	1559.3	1561.4	1612.8	1672.7	1681.2	1627.6	1591.0	1552.2	1544.5	1544.5
42.5°	1654.4	1648.0	1655.1	1674.1	1719.9	1713.6	1684.0	1657.2	1641.0	1632.5	1641.0
45°	1708.6	1707.2	1719.9	1734.0	1766.4	1745.3	1722.0	1726.2	1710.7	1696.7	1696.0
47.5°	1767.8	1758.7	1774.2	1795.3	1770.6	1760.8	1759.4	1768.5	1763.6	1738.9	1731.2
50°	1796.7	1793.2	1817.8	1842.5	1829.1	1806.6	1811.5	1826.3	1762.9	1729.8	1710.7
52.5°	1874.2	1874.9	1922.1	1935.5	1929.9	1896.8	1907.3	1867.2	1792.5	1746.0	1748.1
55°	1996.1	1991.2	2044.0	2083.5	2089.8	2047.5	1996.8	1940.4	1846.7	1799.5	1785.4
57°	1929.2	1940.4	1998.9	2115.9	2175.1	2125.0	2014.4	1911.6	1786.8	1729.8	1704.4
57.5°	1839.7	1858.0	1959.5	2077.1	2139.1	2134.9	1992.6	1858.0	1746.7	1657.9	1660.0
60°	1347.9	1351.4	1443.0	1629.7	1823.5	1827.7	1654.4	1476.1	1352.1	1255.6	1269.0
62.5°	710.9	727.1	763.8	913.9	1081.5	1122.4	1017.4	925.8	818.7	745.5	752.5
65°	376.3	374.1	391.8	434.0	516.5	537.6	523.5	450.9	413.6	401.6	402.3
67.5°	305.8	309.3	307.2	309.3	315.0	324.1	322.0	324.8	326.9	330.5	329.7
70°	259.3	259.3	260.7	261.4	261.4	265.6	270.6	279.7	280.4	284.0	285.4
72.5°	204.3	202.9	205.0	210.0	210.7	214.2	221.2	226.9	229.0	229.0	224.8
75°	138.8	140.2	143.0	147.3	151.5	157.8	163.5	167.0	168.4	166.3	164.2
77.5°	78.2	79.6	81.7	88.1	93.0	98.6	105.0	108.5	112.0	112.7	108.5
80°	46.5	46.5	50.0	55.0	60.6	66.2	71.9	76.1	77.5	77.5	75.4
82.5°	28.2	28.9	31.7	36.6	41.6	45.1	50.0	53.5	56.4	55.7	54.3
85°	14.8	14.8	17.6	21.8	25.4	28.9	28.9	26.8	25.4	21.8	20.4
87.5°	4.9	4.2	5.6	5.6	4.9	5.6	5.6	6.3	6.3	6.3	6.3
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)