

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: P527160

Luminaire Tested: **GALN-SA2A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527160  
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-SA2A-830-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6199 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

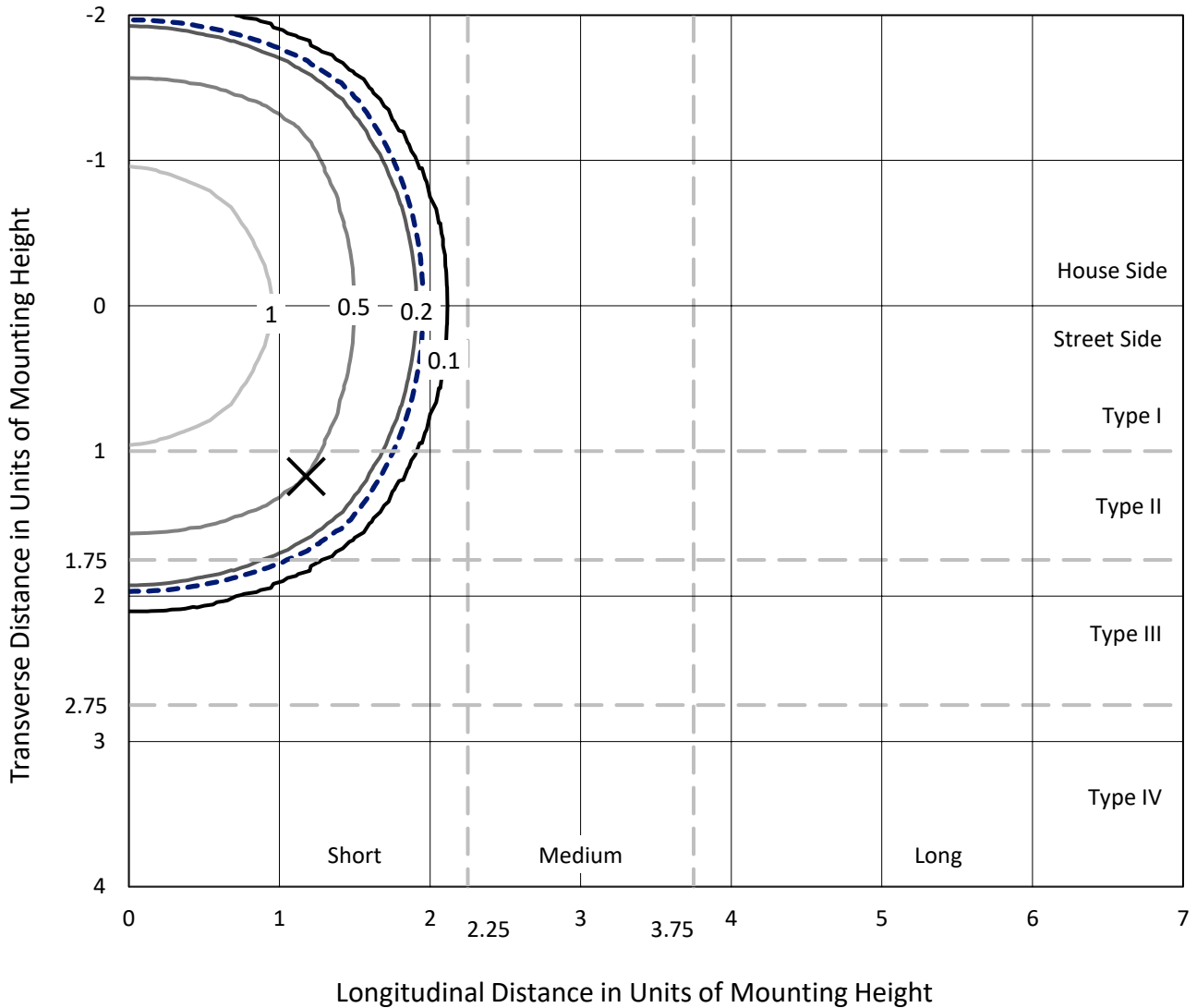
Input Watts (W): 63  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

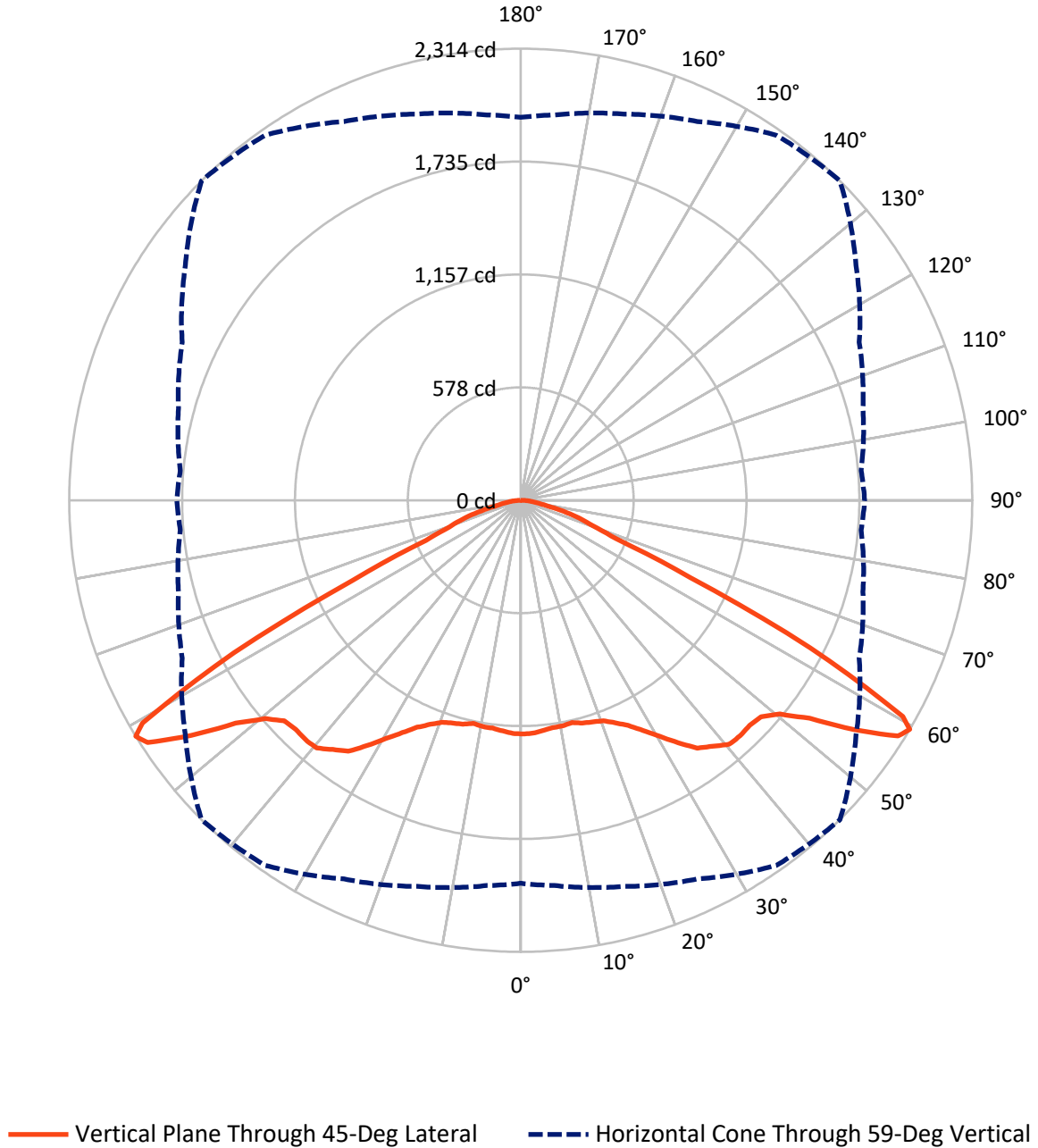
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	3099.5	0.0	3099.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3099.5	0.0	3099.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6199.0	0.0	6199.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	1.8
10°-20°	335.7	5.4
20°-30°	586.1	9.5
30°-40°	936.1	15.1
40°-50°	1275.1	20.6
50°-60°	1724.3	27.8
60°-70°	945.6	15.3
70°-80°	241.9	3.9
80°-90°	41.3	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°	6199.0	100.0
0°-180°	6199.0	100.0

**Coefficient of Utilization**



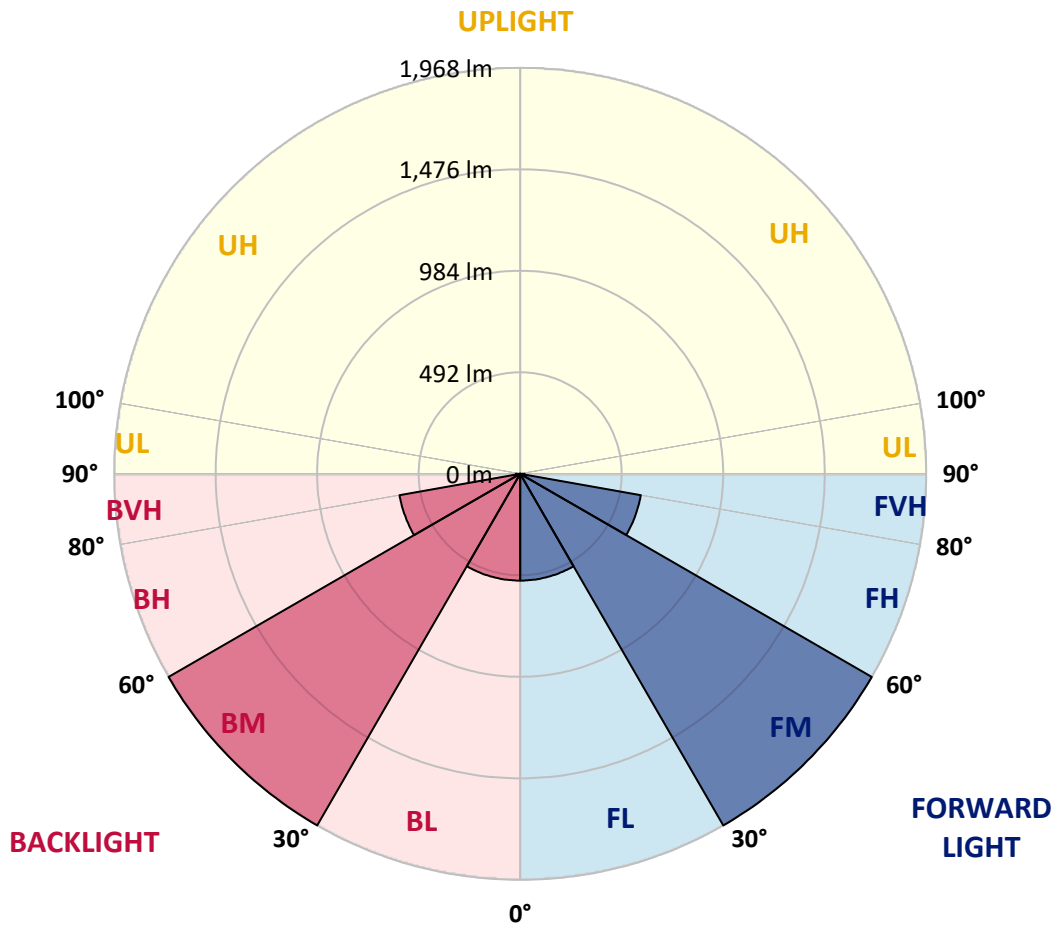
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.3	8.3			
FM (30°-60°)	1967.8	31.7			
FH (60°-80°)	593.8	9.6			G0/660
FVH (80°-90°)	20.6	0.3			G1/100
BL (0°-30°)	517.3	8.3	B2/1000		
BM (30°-60°)	1967.8	31.7	B2/2500		
BH (60°-80°)	593.8	9.6	B2/1000		G0/660
BVH (80°-90°)	20.6	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°	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4	1197.4
2.5°	1190.2	1198.9	1192.6	1198.1	1197.4	1195.0	1191.0	1188.6	1185.4	1190.2	1182.3
5°	1185.4	1192.6	1199.7	1190.2	1190.2	1185.4	1183.0	1178.3	1178.3	1177.5	1176.7
7.5°	1193.4	1186.2	1183.0	1184.6	1186.2	1175.9	1183.0	1173.5	1165.6	1171.1	1177.5
10°	1186.2	1189.4	1177.5	1183.0	1174.3	1175.9	1171.1	1177.5	1168.7	1168.7	1168.7
12.5°	1193.4	1184.6	1188.6	1184.6	1182.3	1168.7	1175.1	1168.0	1167.2	1175.1	1168.0
15°	1207.7	1193.4	1190.2	1182.3	1184.6	1184.6	1178.3	1179.1	1170.3	1175.1	1176.7
17.5°	1202.9	1195.0	1192.6	1183.0	1191.0	1193.4	1181.5	1173.5	1179.1	1178.3	1177.5
20°	1206.9	1210.1	1207.7	1209.3	1212.4	1206.1	1195.0	1183.8	1176.7	1187.0	1186.2
22.5°	1232.3	1229.1	1227.5	1226.0	1231.5	1237.9	1222.8	1205.3	1205.3	1212.4	1215.6
25°	1253.0	1252.2	1251.4	1258.5	1277.6	1277.6	1258.5	1236.3	1230.7	1235.5	1231.5
27.5°	1283.2	1291.9	1288.7	1301.4	1329.2	1335.6	1310.2	1284.0	1268.9	1263.3	1270.4
30°	1352.3	1342.0	1344.3	1357.8	1382.5	1403.1	1364.2	1336.4	1315.7	1314.9	1318.1
32.5°	1398.4	1406.3	1413.5	1426.2	1465.1	1481.0	1434.1	1388.8	1376.1	1369.0	1371.4
35°	1490.5	1483.4	1481.8	1494.5	1533.4	1559.7	1500.9	1461.1	1444.4	1460.3	1460.3
37.5°	1577.9	1558.1	1543.0	1559.7	1595.4	1598.6	1548.5	1527.1	1518.3	1536.6	1535.8
40°	1619.2	1617.7	1582.7	1592.2	1639.9	1644.7	1597.8	1572.4	1570.8	1594.6	1618.4
42.5°	1662.1	1647.1	1612.1	1618.4	1647.8	1649.4	1604.9	1597.8	1615.3	1638.3	1639.9
45°	1669.3	1656.6	1634.3	1618.4	1639.9	1644.7	1618.4	1623.2	1624.8	1652.6	1652.6
47.5°	1683.6	1682.0	1669.3	1657.4	1661.4	1657.4	1640.7	1647.8	1671.7	1685.2	1678.8
50°	1723.3	1706.6	1719.4	1709.0	1709.8	1720.9	1705.8	1713.0	1708.2	1696.3	1688.4
52.5°	1810.7	1802.8	1813.9	1821.1	1829.0	1854.4	1836.9	1798.8	1763.1	1731.3	1730.5
55°	1938.6	1944.2	1965.7	2002.2	2033.2	2073.7	1989.5	1898.1	1840.9	1790.9	1794.0
57.5°	2059.4	2055.4	2084.8	2168.3	2258.8	2279.5	2114.2	1983.9	1891.0	1859.2	1845.7
59°	1962.5	1981.5	2048.3	2141.2	2283.5	2313.7	2097.5	1914.0	1815.5	1751.1	1762.3
60°	1809.9	1817.1	1876.7	2006.2	2198.5	2250.1	1985.5	1806.0	1674.9	1637.5	1654.2
62.5°	1279.2	1273.6	1316.5	1422.2	1594.6	1664.5	1476.2	1349.9	1267.3	1226.0	1235.5
65°	680.1	705.5	723.0	789.0	880.3	954.2	876.4	821.5	775.5	741.3	740.5
67.5°	459.2	456.1	460.0	475.1	506.1	526.8	525.2	497.4	493.4	487.0	494.2
70°	386.9	385.3	378.2	378.2	384.6	389.3	394.9	398.1	404.4	412.4	411.6
72.5°	313.8	309.9	305.1	302.7	310.7	313.0	320.2	323.4	328.9	328.1	335.3
75°	207.4	207.4	212.9	219.3	221.7	226.4	227.2	236.8	236.8	238.4	232.0
77.5°	116.0	112.8	116.8	123.2	128.7	137.5	146.2	153.3	157.3	155.7	155.7
80°	67.5	67.5	71.5	78.7	85.8	93.8	100.1	105.7	109.6	108.1	104.9
82.5°	42.1	42.1	46.1	53.2	58.8	63.6	72.3	79.5	84.2	82.6	78.7
85°	21.5	21.5	26.2	31.0	38.1	41.3	40.5	37.3	36.5	32.6	32.6
87.5°	5.6	5.6	7.9	8.7	7.2	7.9	7.9	7.9	7.9	7.9	8.7
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)