

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: P527164

Luminaire Tested: **GALN-SA2A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6404 lumens
Efficiency: N/A
Efficacy: 101.7 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



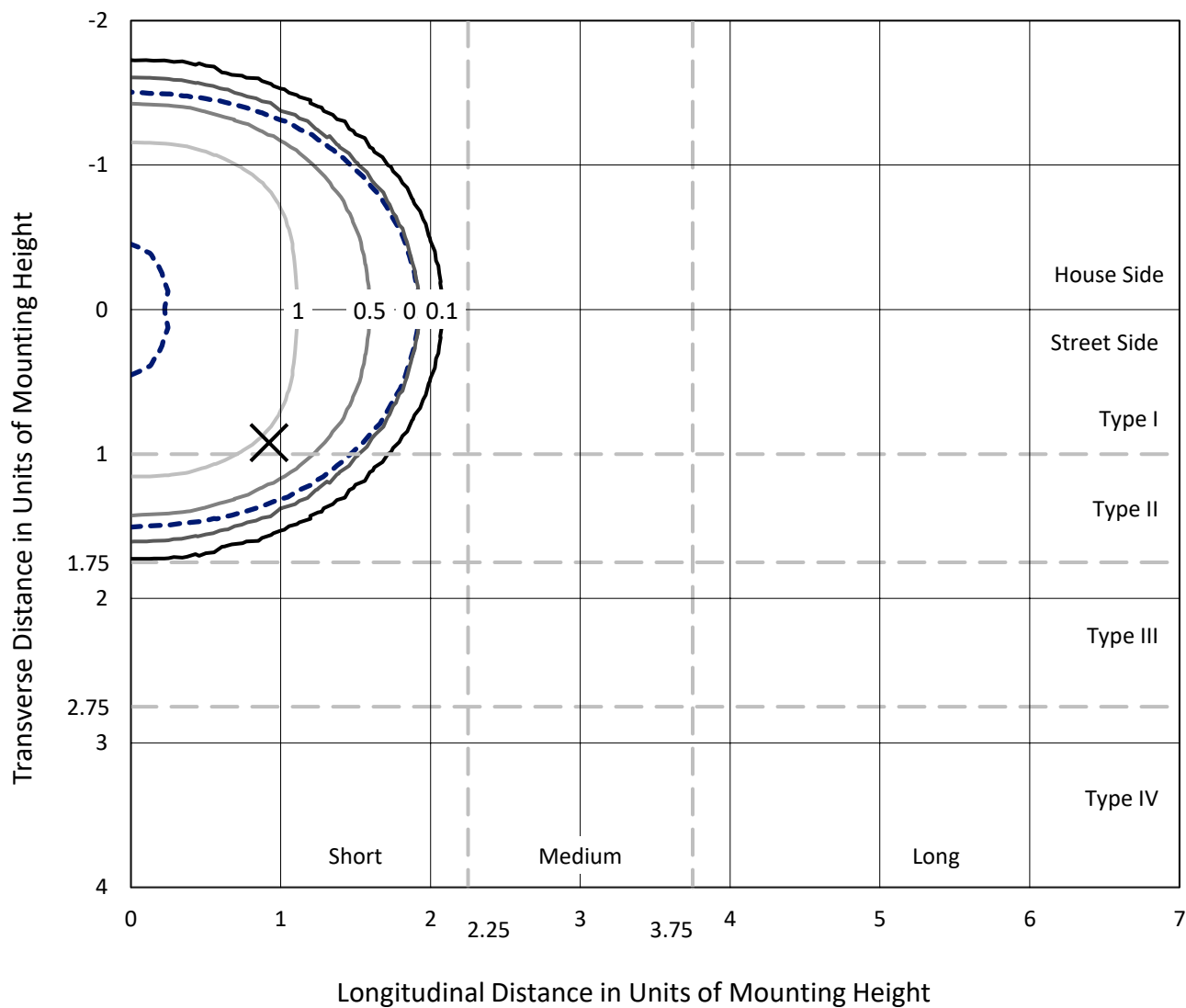
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

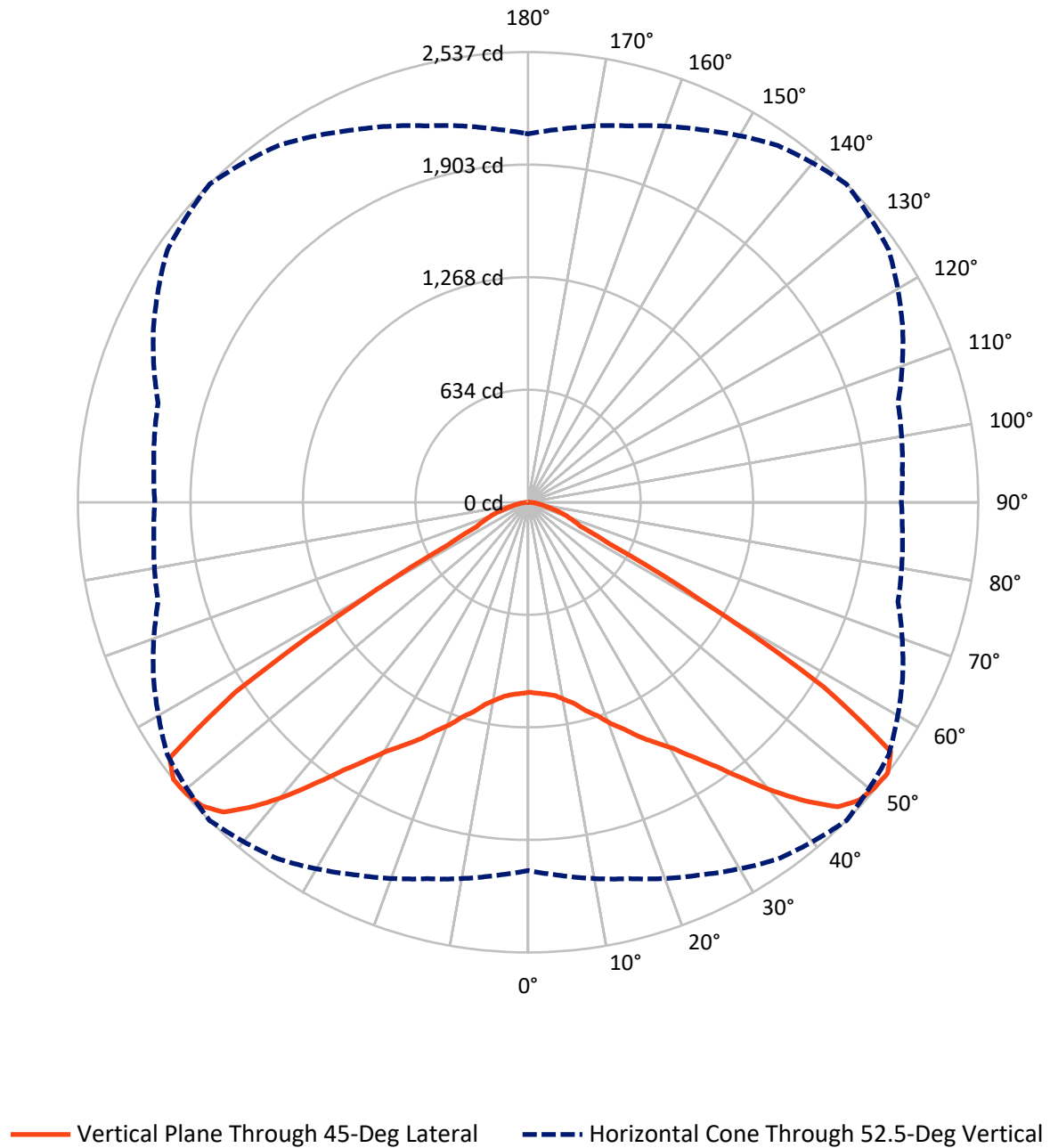
--- 1/2 Max cd



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
House Side	Lumens	3202.0	0.0	3202.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3202.0	0.0	3202.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6404.0	0.0	6404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.6
10°-20°	345.6	5.4
20°-30°	658.0	10.3
30°-40°	1129.8	17.6
40°-50°	1736.5	27.1
50°-60°	1763.4	27.5
60°-70°	491.4	7.7
70°-80°	145.0	2.3
80°-90°	29.2	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°	6404.0	100.0
0°-180°	6404.0	100.0

Coefficient of Utilization



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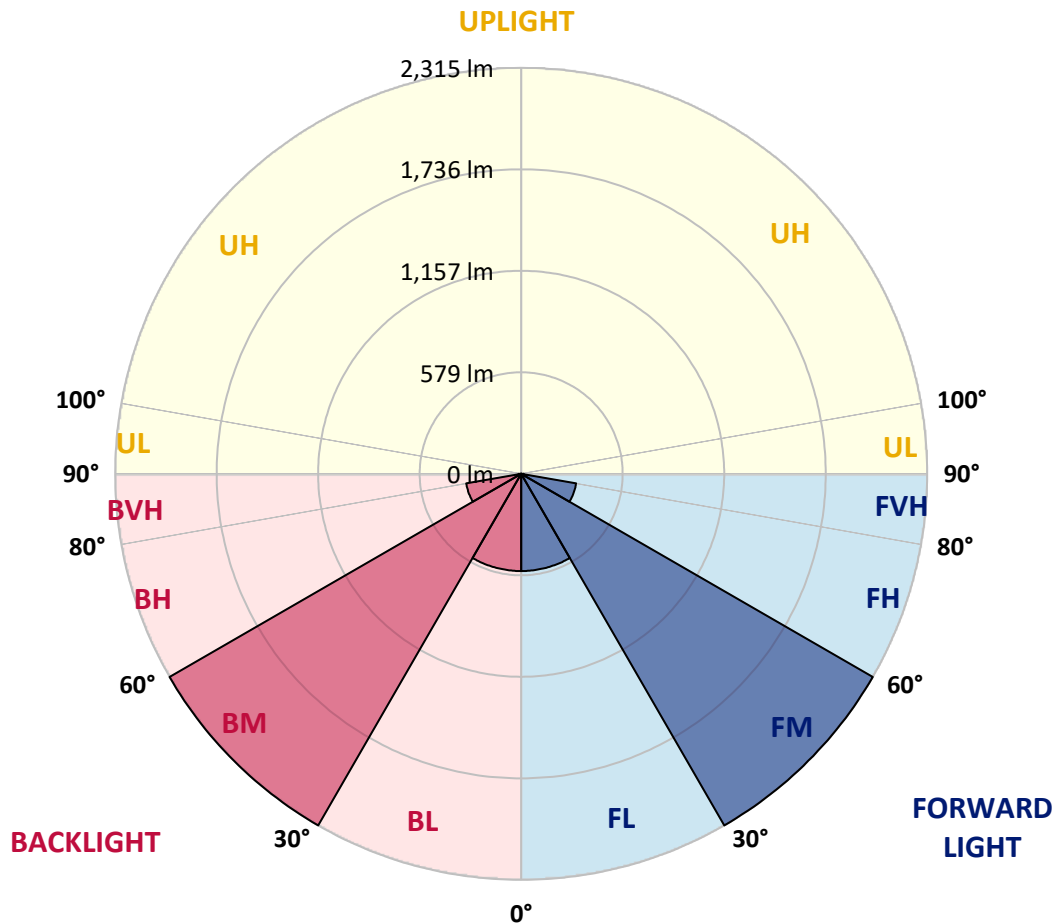
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	554.4	8.7			
FM	(30°-60°)	2314.8	36.1			
FH	(60°-80°)	318.2	5.0			G0/660
FVH	(80°-90°)	14.6	0.2			G1/100
BL	(0°-30°)	554.4	8.7	B2/1000		
BM	(30°-60°)	2314.8	36.1	B2/2500		
BH	(60°-80°)	318.2	5.0	B1/500		G0/660
BVH	(80°-90°)	14.6	0.2			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°	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5	1070.5
2.5°	1072.9	1061.8	1065.7	1068.1	1078.5	1077.7	1075.3	1078.5	1081.6	1082.4	1080.8
5°	1072.1	1064.2	1067.3	1069.7	1080.0	1085.6	1084.0	1097.5	1107.1	1104.7	1116.6
7.5°	1065.7	1070.5	1066.5	1078.5	1087.2	1100.7	1115.0	1127.7	1139.7	1153.2	1155.6
10°	1080.0	1080.0	1087.2	1096.7	1119.8	1130.1	1150.8	1169.1	1192.1	1208.0	1201.6
12.5°	1095.1	1097.5	1097.5	1122.2	1141.2	1164.3	1183.4	1208.0	1240.6	1259.7	1269.2
15°	1110.2	1111.8	1119.8	1153.2	1181.8	1218.3	1235.8	1258.1	1276.4	1312.1	1312.9
17.5°	1123.8	1132.5	1156.3	1193.7	1229.5	1264.4	1292.2	1315.3	1331.2	1345.5	1342.3
20°	1174.6	1181.0	1205.6	1243.0	1296.2	1330.4	1339.9	1343.9	1354.2	1382.8	1374.1
22.5°	1223.9	1226.3	1249.3	1306.6	1343.9	1389.2	1399.5	1397.2	1401.1	1408.3	1421.0
25°	1274.8	1278.7	1310.5	1359.0	1411.5	1465.5	1474.2	1456.0	1450.4	1458.3	1459.1
27.5°	1339.9	1340.7	1381.3	1423.4	1483.0	1533.8	1547.4	1533.1	1506.8	1513.2	1523.5
30°	1422.6	1417.0	1457.6	1518.0	1580.7	1609.3	1632.4	1625.2	1596.6	1591.1	1582.3
32.5°	1518.0	1519.5	1556.1	1622.1	1663.4	1711.1	1735.7	1723.8	1705.5	1696.0	1701.5
35°	1652.3	1659.4	1684.1	1738.9	1805.6	1829.5	1868.4	1843.0	1795.3	1807.2	1817.6
37.5°	1762.7	1783.4	1829.5	1894.7	1934.4	1978.1	1992.4	1958.2	1923.3	1909.0	1943.1
40°	1932.0	1925.7	1976.5	2041.7	2100.5	2144.2	2125.9	2091.8	2005.1	2005.9	2015.5
42.5°	2077.4	2080.6	2119.6	2197.5	2277.7	2304.7	2246.7	2163.3	2067.1	2056.8	2077.4
45°	2199.8	2212.6	2234.8	2338.9	2417.6	2447.0	2339.7	2241.2	2112.4	2069.5	2103.7
47.5°	2243.5	2264.2	2312.7	2408.1	2485.9	2509.8	2424.0	2282.5	2154.5	2084.6	2102.9
50°	2249.9	2242.8	2322.2	2409.6	2478.0	2529.7	2454.2	2312.7	2144.2	2107.6	2102.1
52.5°	2075.9	2110.8	2195.9	2315.9	2454.2	2536.8	2481.2	2329.4	2158.5	2117.2	2103.7
55°	1680.1	1638.8	1793.7	1995.6	2249.9	2479.6	2471.6	2338.1	2167.3	2133.1	2114.8
57.5°	937.8	949.7	1037.1	1256.5	1584.7	1966.2	2197.5	2245.9	2163.3	2143.4	2152.9
60°	433.9	437.9	475.3	577.8	781.2	1115.0	1419.4	1728.6	1870.8	1899.4	1899.4
62.5°	323.5	321.9	331.4	349.7	392.6	512.6	684.3	929.8	1125.3	1262.0	1297.8
65°	292.5	291.7	296.4	302.8	306.0	322.7	360.8	436.3	499.9	536.4	530.1
67.5°	255.9	255.1	256.7	260.7	266.2	275.0	284.5	300.4	322.7	321.1	317.1
70°	206.6	206.6	209.0	212.2	218.6	228.9	240.0	251.1	270.2	274.2	273.4
72.5°	152.6	150.2	155.0	161.3	167.7	180.4	192.3	202.7	216.2	220.1	218.6
75°	97.0	98.5	101.7	108.9	120.0	128.7	141.5	150.2	158.9	162.1	162.9
77.5°	54.0	55.6	61.2	69.9	81.1	90.6	101.7	108.9	114.4	115.2	116.0
80°	32.6	33.4	38.9	46.9	56.4	66.8	75.5	82.7	87.4	85.0	84.2
82.5°	19.9	20.7	25.4	32.6	40.5	48.5	58.0	64.4	69.1	66.0	62.8
85°	10.3	11.1	15.1	19.9	26.2	30.2	30.2	27.0	26.2	24.6	23.8
87.5°	3.2	3.2	4.0	4.8	4.0	4.8	5.6	6.4	6.4	7.2	6.4
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)