

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: P451761

Luminaire Tested: **GALN-SA2C-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11591 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 108
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



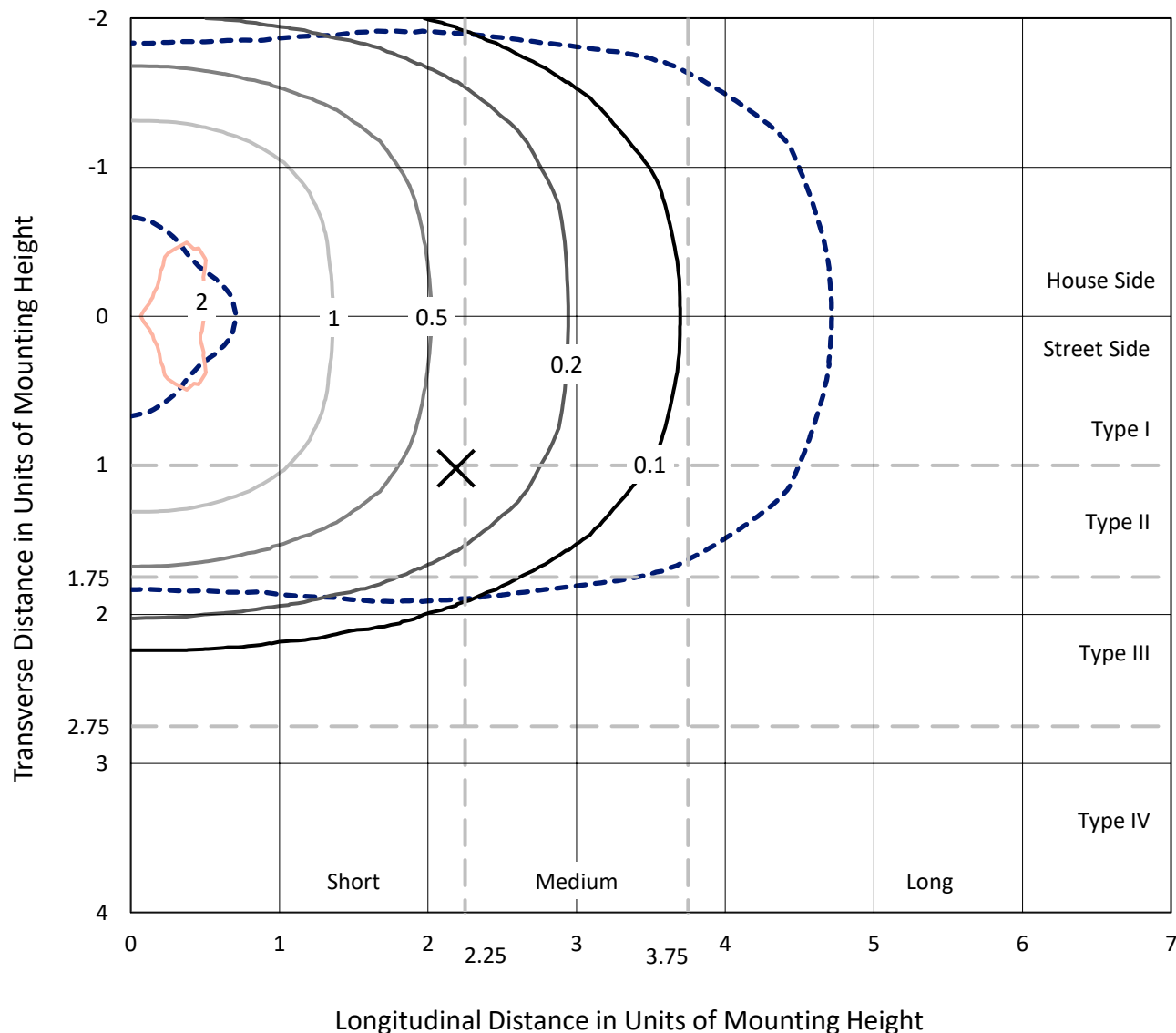
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

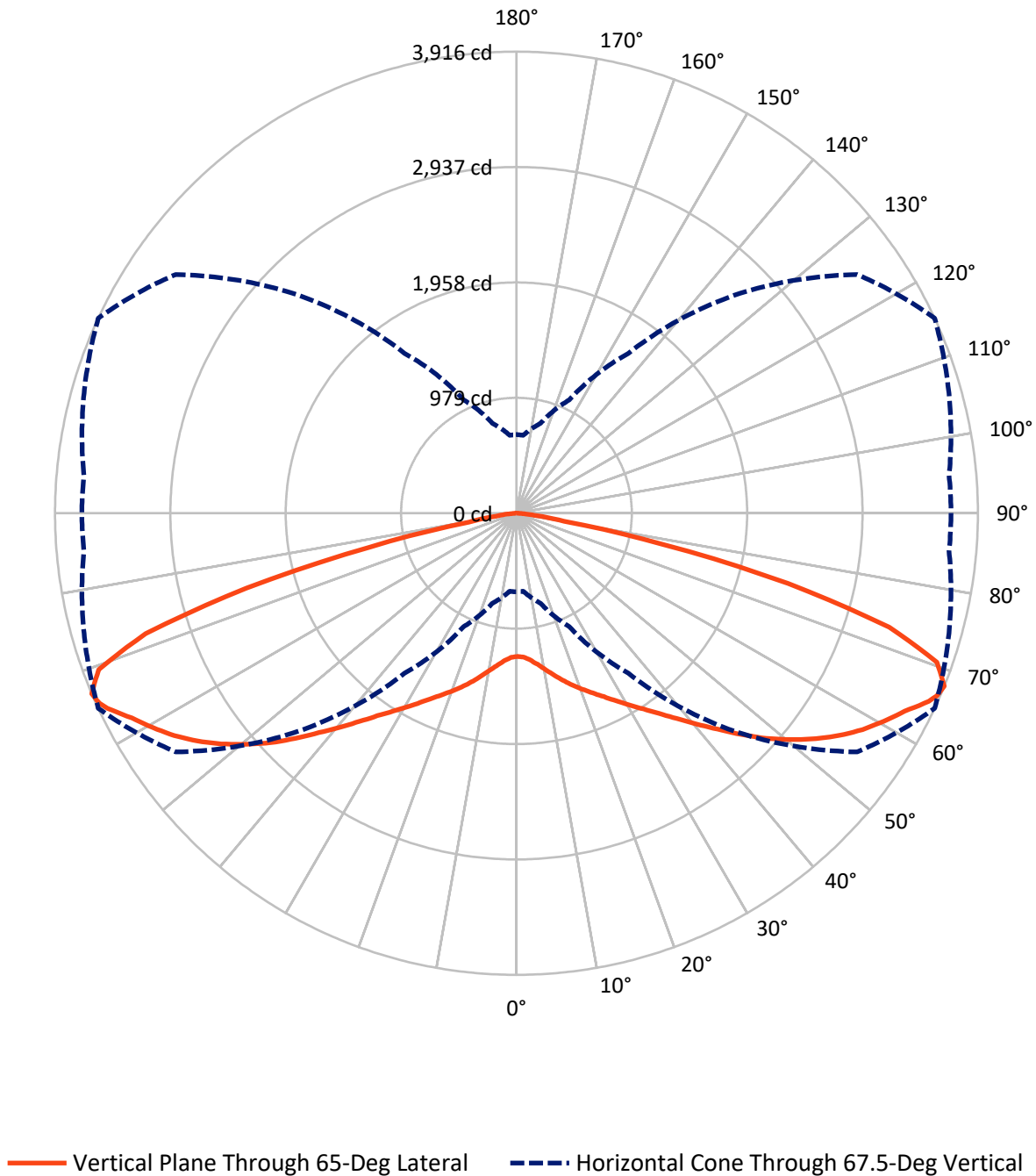


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5795.5	0.0	5795.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5795.5	0.0	5795.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11591.0	0.0	11591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	1.0
10°-20°	400.8	3.5
20°-30°	783.9	6.8
30°-40°	1333.3	11.5
40°-50°	2110.2	18.2
50°-60°	2798.1	24.1
60°-70°	2639.5	22.8
70°-80°	1304.8	11.3
80°-90°	100.6	0.9
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°	11591.0	100.0
0°-180°	11591.0	100.0

Coefficient of Utilization



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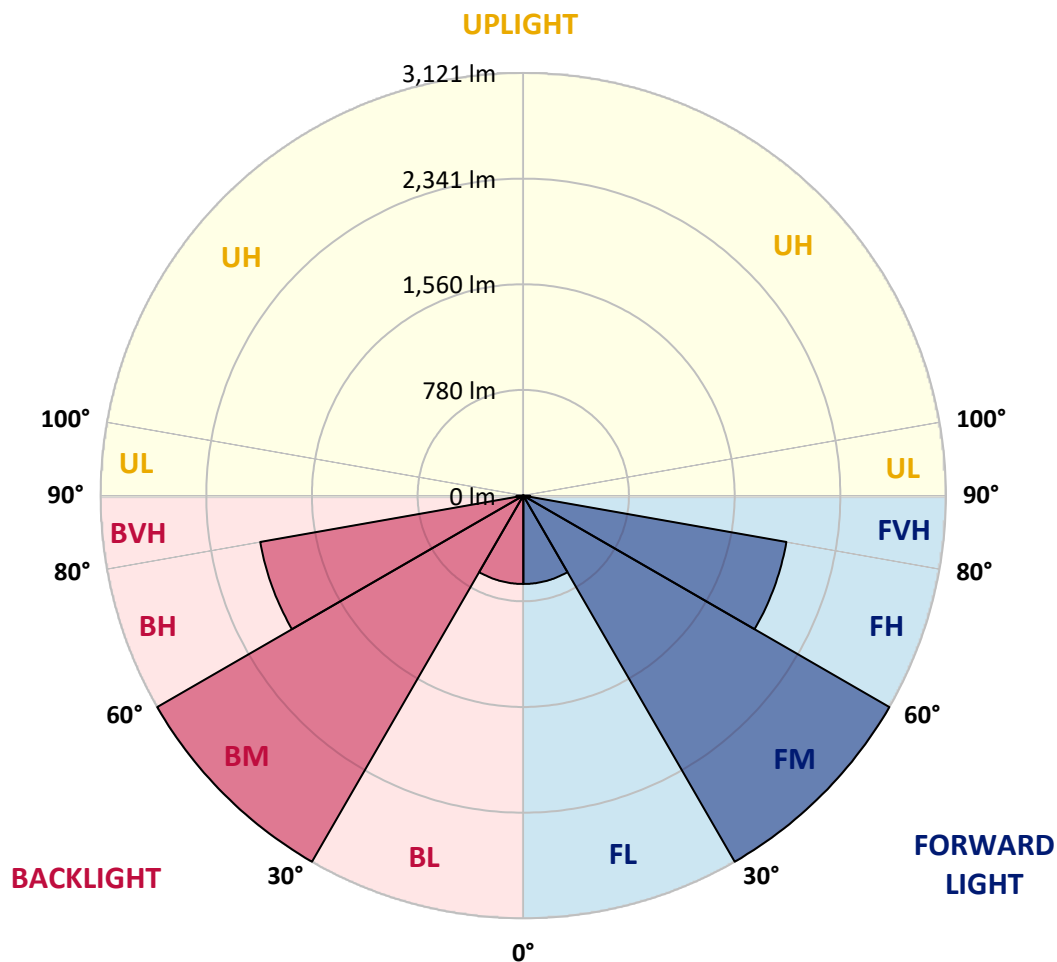
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.2	5.6			
FM	(30°-60°)	3120.8	26.9			
FH	(60°-80°)	1972.2	17.0			G2/5000
FVH	(80°-90°)	50.3	0.4			G1/100
BL	(0°-30°)	652.2	5.6	B2/1000		
BM	(30°-60°)	3120.8	26.9	B3/5000		
BH	(60°-80°)	1972.2	17.0	B3/2500		G3/2500
BVH	(80°-90°)	50.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1	1214.1
2.5°	1207.8	1209.1	1210.3	1212.2	1214.7	1218.4	1220.9	1222.7	1227.7	1228.3	1227.7
5°	1203.5	1204.7	1207.8	1213.4	1221.5	1232.7	1241.4	1251.9	1260.0	1265.6	1264.4
7.5°	1202.9	1205.4	1210.3	1222.1	1237.7	1256.9	1276.8	1294.8	1310.3	1322.7	1320.9
10°	1212.8	1215.9	1224.0	1241.4	1265.6	1293.5	1321.5	1348.2	1370.5	1386.7	1392.3
12.5°	1229.6	1232.1	1247.0	1273.0	1307.8	1342.6	1374.3	1407.2	1438.2	1465.6	1465.6
15°	1258.8	1263.1	1281.7	1319.6	1362.5	1402.8	1435.1	1469.9	1503.4	1534.5	1543.8
17.5°	1299.1	1305.3	1333.3	1381.7	1436.4	1473.6	1504.1	1532.6	1561.8	1591.6	1596.0
20°	1354.4	1360.6	1397.9	1456.2	1520.8	1565.5	1586.0	1592.9	1607.1	1635.7	1639.4
22.5°	1429.5	1435.8	1477.4	1543.2	1615.2	1663.7	1672.4	1656.2	1652.5	1674.8	1677.3
25°	1514.6	1520.2	1568.0	1638.8	1713.3	1766.1	1763.6	1723.9	1701.5	1715.2	1718.9
27.5°	1610.3	1618.3	1666.8	1740.0	1820.8	1867.3	1859.9	1802.1	1754.3	1751.8	1753.1
30°	1732.6	1741.3	1787.2	1857.4	1936.9	1979.7	1964.2	1886.6	1812.7	1787.9	1787.9
32.5°	1861.8	1883.5	1930.1	2003.3	2065.4	2096.5	2072.9	1979.7	1881.6	1846.9	1845.0
35°	2030.0	2041.8	2087.8	2159.2	2205.8	2230.0	2184.7	2084.7	1971.7	1930.7	1925.1
37.5°	2194.6	2204.5	2258.0	2326.3	2382.8	2381.5	2320.1	2209.5	2083.5	2037.5	2033.8
40°	2362.9	2373.5	2434.3	2497.0	2553.6	2548.6	2474.1	2350.5	2216.3	2164.8	2174.7
42.5°	2508.8	2520.6	2589.6	2679.0	2729.9	2728.7	2642.4	2503.3	2363.5	2317.6	2326.3
45°	2641.7	2652.3	2732.4	2834.9	2909.4	2918.7	2824.3	2677.1	2533.7	2474.7	2477.2
47.5°	2735.5	2755.4	2839.2	2956.6	3057.8	3090.7	2998.2	2854.1	2688.9	2627.5	2631.2
50°	2806.9	2819.3	2910.6	3044.1	3172.1	3240.4	3165.9	3018.1	2844.2	2779.0	2787.7
52.5°	2815.6	2830.5	2929.9	3083.9	3247.8	3351.5	3314.9	3178.3	3002.5	2935.5	2954.1
55°	2744.8	2753.5	2872.1	3059.0	3277.6	3434.1	3443.4	3327.3	3153.4	3102.5	3114.9
57.5°	2543.0	2565.4	2715.6	2942.9	3236.7	3478.2	3539.7	3462.7	3306.2	3255.9	3275.8
60°	2212.0	2234.4	2385.3	2673.4	3082.0	3457.7	3619.2	3582.5	3444.7	3404.3	3414.9
62.5°	1733.2	1731.3	1918.3	2271.6	2774.6	3357.1	3678.2	3698.1	3581.3	3530.4	3546.5
65°	1123.4	1129.0	1309.7	1690.4	2310.7	3101.3	3691.2	3845.2	3715.4	3638.4	3650.2
66°	903.6	920.3	1073.7	1424.6	2074.1	2933.6	3652.1	3888.7	3756.4	3663.3	3668.9
67.5°	667.0	663.8	789.9	1060.7	1656.2	2615.0	3529.8	3916.0	3803.0	3685.6	3688.1
70°	380.7	380.1	424.8	582.5	973.7	1841.3	2975.2	3785.0	3897.4	3766.4	3759.5
72.5°	278.2	276.3	282.6	321.7	475.1	929.6	2052.4	3308.1	3849.0	3753.3	3734.1
75°	233.5	232.3	231.0	236.0	266.4	421.0	1089.2	2379.7	3339.7	3522.9	3503.1
77.5°	190.6	190.6	191.3	190.0	191.3	221.7	451.5	1275.5	2033.8	2270.4	2325.6
80°	149.0	148.4	159.0	154.6	144.7	142.2	200.0	410.5	675.0	671.3	553.9
82.5°	109.9	102.5	121.1	118.0	106.8	90.7	116.7	175.1	225.4	146.6	108.7
85°	69.6	68.9	85.7	78.2	65.2	42.8	55.9	75.1	93.1	56.5	46.0
87.5°	12.4	11.8	27.3	19.9	19.9	12.4	15.5	20.5	30.4	21.1	15.5
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)