

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: P527625

Luminaire Tested: **GALN-SA2C-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7718 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

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



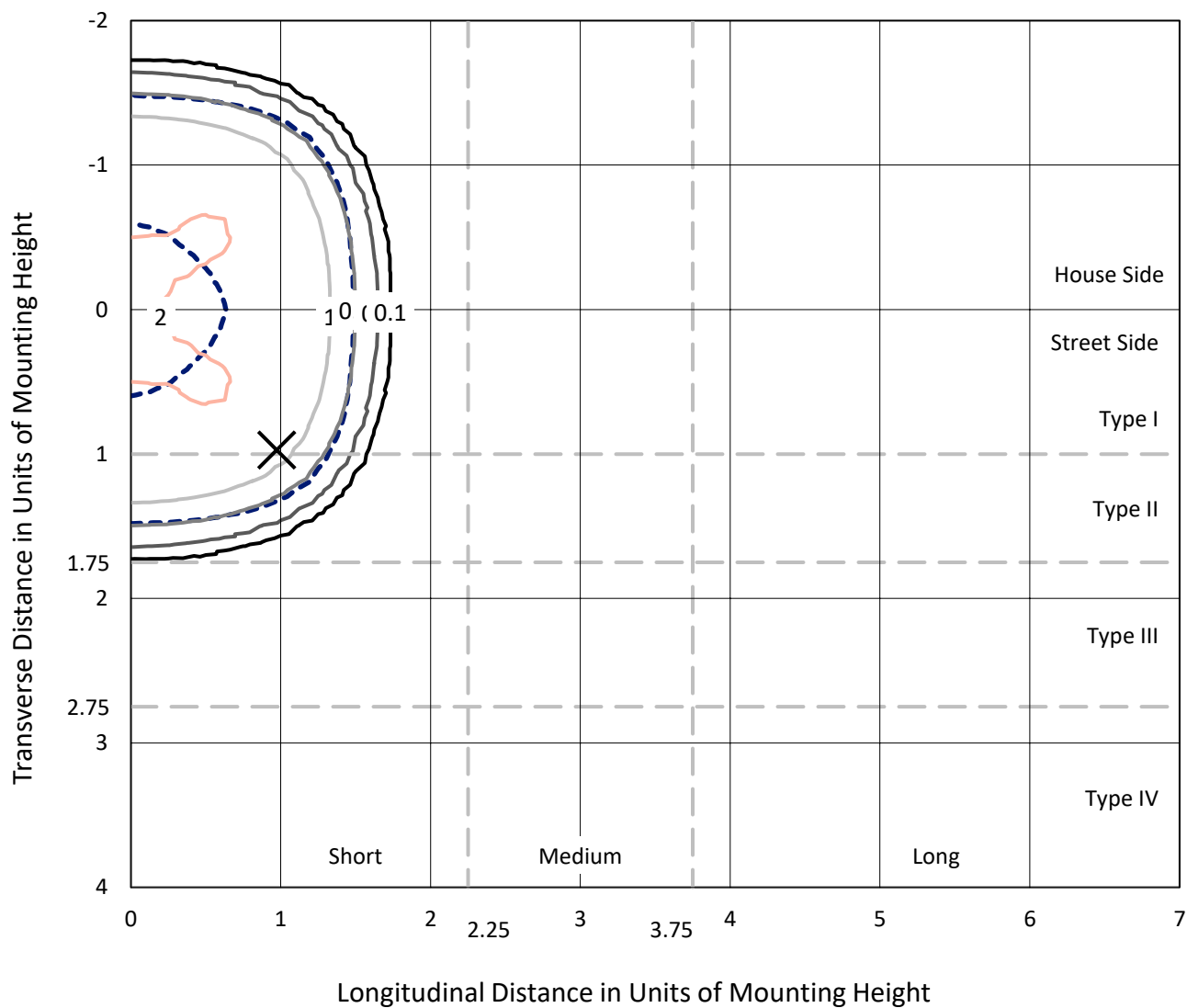
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

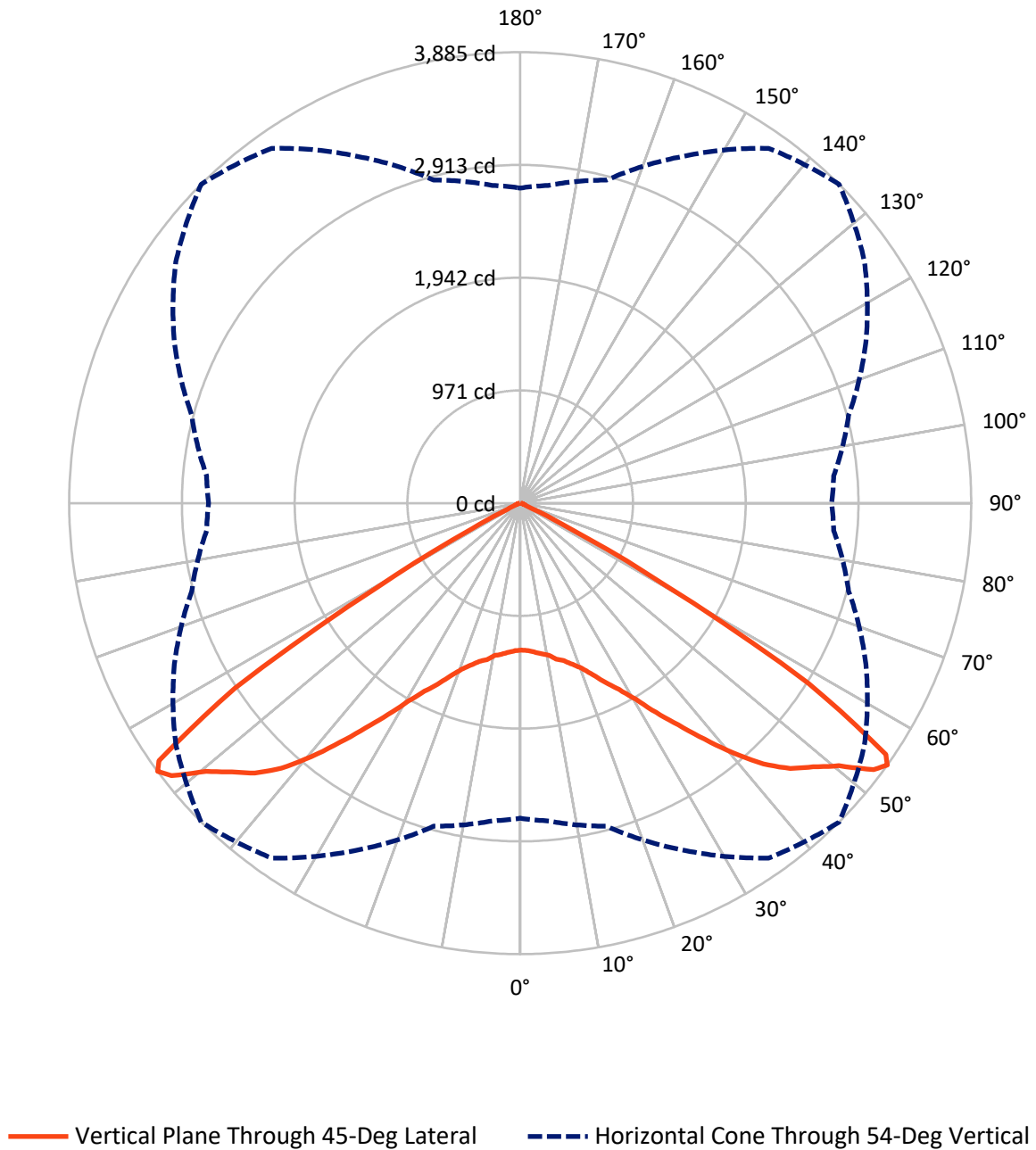


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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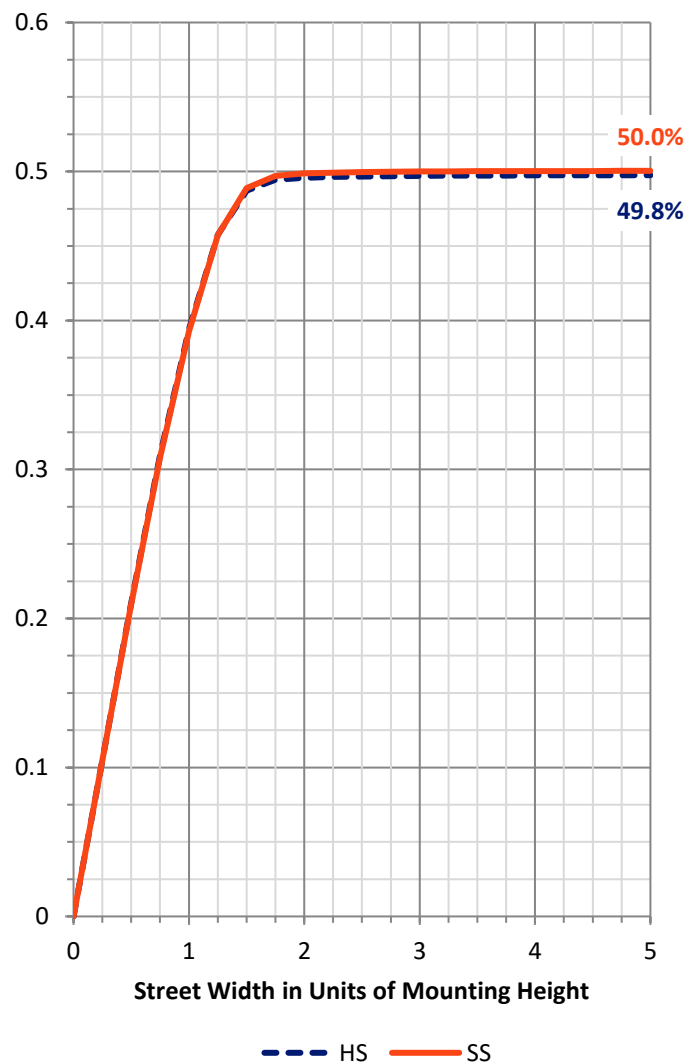
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3859.0	0.0	3859.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3859.0	0.0	3859.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7718.0	0.0	7718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	1.6
10°-20°	401.1	5.2
20°-30°	786.2	10.2
30°-40°	1413.7	18.3
40°-50°	2420.0	31.4
50°-60°	2341.5	30.3
60°-70°	200.4	2.6
70°-80°	23.8	0.3
80°-90°	7.4	0.1
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°	7718.0	100.0
0°-180°	7718.0	100.0

Coefficient of Utilization



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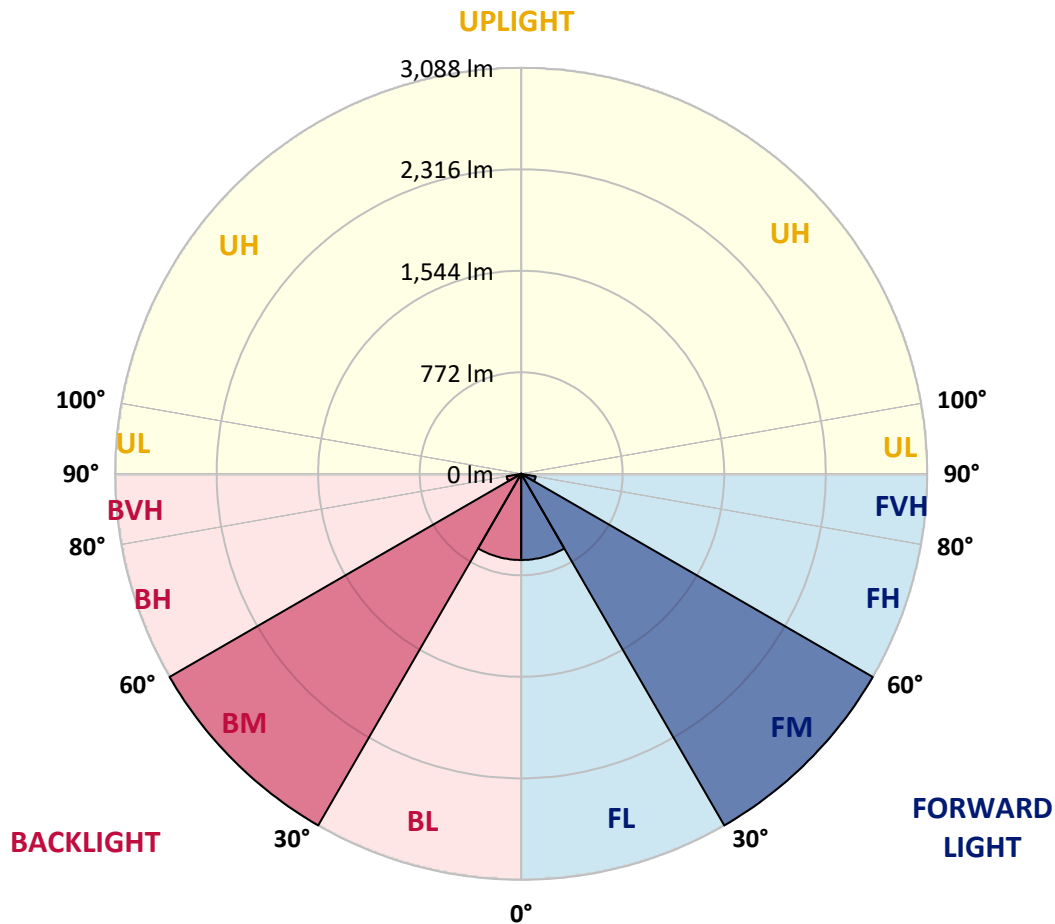
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	655.6	8.5			
FM	(30°-60°)	3087.6	40.0			
FH	(60°-80°)	112.1	1.5			G0/660
FVH	(80°-90°)	3.7	0.0			G0/10
BL	(0°-30°)	655.6	8.5	B2/1000		
BM	(30°-60°)	3087.6	40.0	B3/5000		
BH	(60°-80°)	112.1	1.5	B1/500		G0/660
BVH	(80°-90°)	3.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5	1265.5
2.5°	1271.6	1279.0	1274.1	1277.7	1277.7	1271.6	1275.3	1260.6	1270.4	1263.1	1264.3
5°	1291.2	1290.0	1290.0	1291.2	1286.3	1288.7	1283.9	1279.0	1275.3	1270.4	1285.1
7.5°	1315.6	1315.6	1307.1	1309.5	1307.1	1310.8	1301.0	1291.2	1287.5	1283.9	1281.4
10°	1338.9	1336.4	1332.8	1343.8	1335.2	1330.3	1325.4	1319.3	1305.9	1301.0	1296.1
12.5°	1373.1	1371.9	1367.0	1378.0	1373.1	1378.0	1359.7	1343.8	1341.3	1325.4	1334.0
15°	1413.5	1424.5	1415.9	1415.9	1413.5	1407.3	1400.0	1392.7	1370.7	1364.6	1365.8
17.5°	1466.0	1462.4	1463.6	1463.6	1475.8	1459.9	1445.3	1426.9	1415.9	1412.2	1400.0
20°	1516.2	1521.1	1519.8	1528.4	1535.7	1518.6	1502.7	1500.3	1469.7	1474.6	1457.5
22.5°	1604.2	1600.5	1606.6	1612.8	1607.9	1605.4	1590.8	1572.4	1545.5	1533.3	1530.8
25°	1697.1	1691.0	1680.0	1694.7	1702.0	1713.0	1684.9	1675.1	1633.5	1615.2	1616.4
27.5°	1776.6	1785.2	1797.4	1803.5	1821.8	1818.2	1798.6	1766.8	1735.0	1714.2	1700.8
30°	1885.4	1890.3	1911.1	1919.7	1951.5	1960.0	1929.4	1892.8	1836.5	1809.6	1793.7
32.5°	1985.7	2019.9	2018.7	2061.5	2112.9	2148.3	2093.3	2037.0	1980.8	1949.0	1920.9
35°	2148.3	2142.2	2177.7	2222.9	2306.0	2346.4	2286.5	2221.7	2136.1	2084.7	2062.7
37.5°	2299.9	2302.4	2350.1	2422.2	2517.6	2579.9	2527.4	2421.0	2332.9	2266.9	2236.3
40°	2520.0	2524.9	2573.8	2655.7	2763.3	2830.6	2769.5	2661.9	2544.5	2493.1	2493.1
42.5°	2778.0	2798.8	2830.6	2901.5	2998.1	3072.7	3017.7	2933.3	2814.7	2748.7	2758.4
45°	3043.3	3053.1	3073.9	3179.1	3224.3	3261.0	3209.6	3170.5	3091.0	3010.3	2996.9
47.5°	3291.6	3295.2	3356.4	3389.4	3424.8	3394.3	3427.3	3375.9	3286.7	3208.4	3192.5
50°	3401.6	3395.5	3482.3	3582.6	3609.5	3555.7	3527.5	3493.3	3357.6	3263.4	3221.9
52.5°	3081.2	3116.7	3278.1	3556.9	3767.2	3812.4	3648.6	3490.9	3237.8	3054.3	3026.2
54°	2714.4	2747.4	2880.7	3294.0	3731.7	3884.6	3620.5	3285.4	2928.4	2710.8	2682.6
55°	2351.3	2314.6	2556.7	2978.5	3565.4	3821.0	3509.2	3020.1	2611.7	2412.4	2373.3
57.5°	1272.8	1279.0	1483.2	1881.8	2505.3	2929.6	2587.3	2043.2	1543.1	1319.3	1299.7
60°	403.5	413.3	502.5	760.5	1197.0	1429.4	1225.2	820.4	567.3	454.9	436.5
62.5°	125.9	130.8	143.1	212.8	327.7	468.3	366.8	220.1	163.8	150.4	152.8
65°	77.0	77.0	78.3	83.1	97.8	113.7	110.0	96.6	92.9	90.5	89.3
67.5°	50.1	48.9	51.4	55.0	57.5	58.7	62.4	66.0	64.8	62.4	62.4
70°	30.6	29.3	31.8	36.7	37.9	40.3	44.0	48.9	47.7	45.2	46.5
72.5°	17.1	17.1	18.3	22.0	25.7	28.1	31.8	35.5	36.7	35.5	35.5
75°	6.1	7.3	9.8	13.4	15.9	19.6	23.2	26.9	30.6	28.1	26.9
77.5°	2.4	2.4	4.9	8.6	12.2	15.9	22.0	25.7	28.1	25.7	23.2
80°	1.2	1.2	3.7	7.3	11.0	14.7	18.3	22.0	23.2	20.8	18.3
82.5°	1.2	1.2	3.7	7.3	11.0	13.4	19.6	22.0	24.5	22.0	18.3
85°	0.0	1.2	3.7	7.3	9.8	11.0	11.0	7.3	6.1	3.7	3.7
87.5°	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)