

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: P946640

Luminaire Tested: **GALN-SB2B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

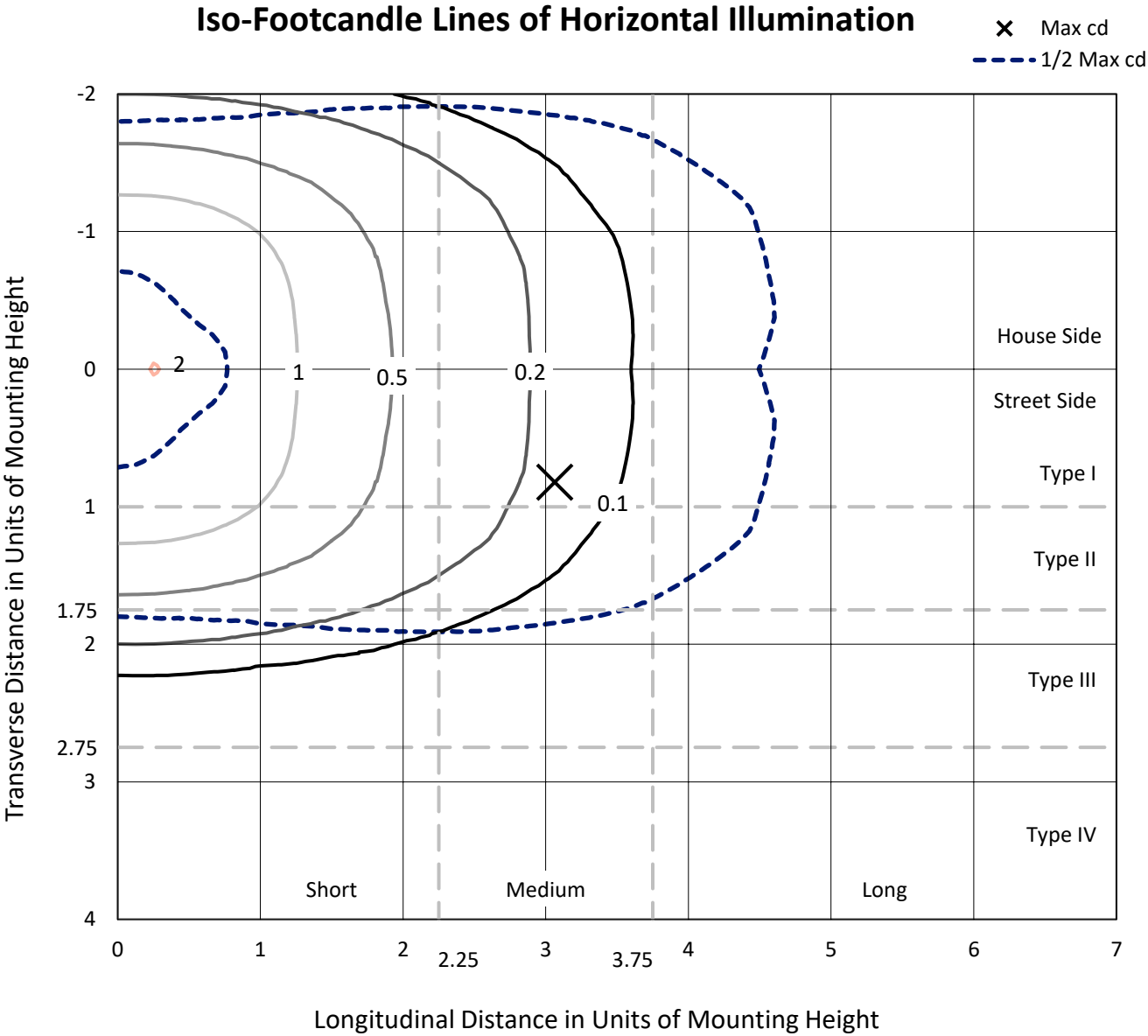
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10756 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 73.9
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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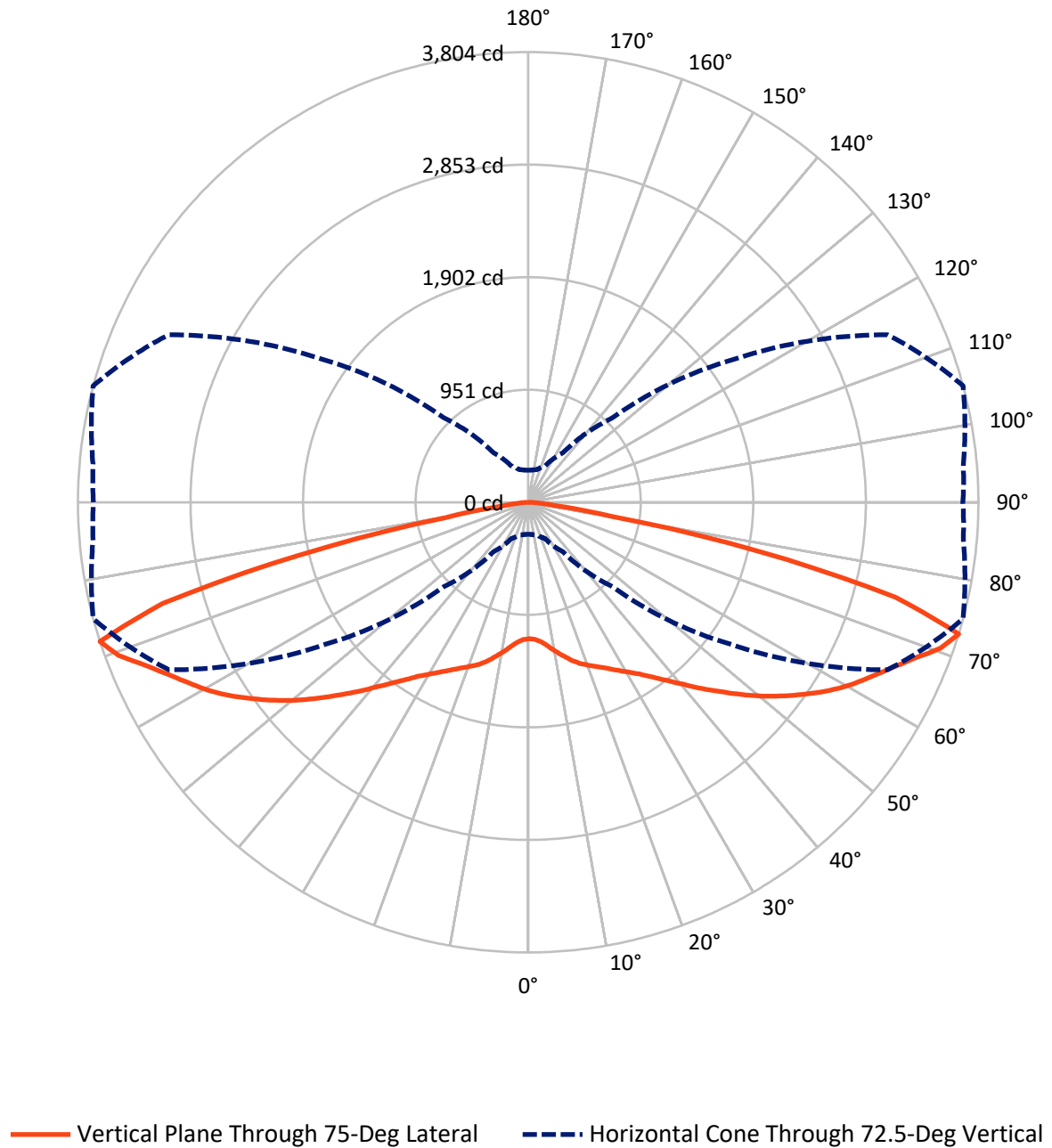


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5378.0	0.0	5378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5378.0	0.0	5378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10756.0	0.0	10756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	1.0
10°-20°	372.3	3.5
20°-30°	719.3	6.7
30°-40°	1214.6	11.3
40°-50°	1926.2	17.9
50°-60°	2578.9	24.0
60°-70°	2454.3	22.8
70°-80°	1280.7	11.9
80°-90°	96.9	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°	10756.0	100.0
0°-180°	10756.0	100.0

Coefficient of Utilization



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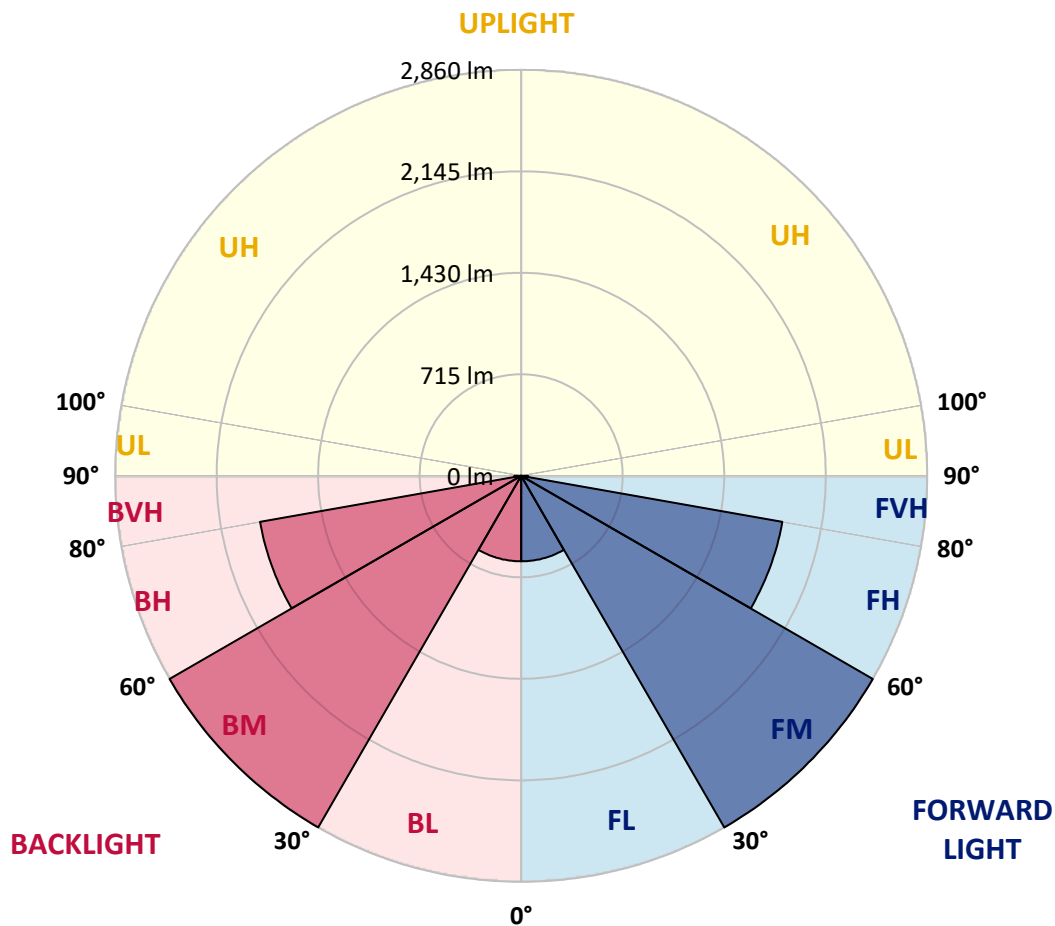
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.2	5.6			
FM	(30°-60°)	2859.8	26.6			
FH	(60°-80°)	1867.5	17.4			G2/5000
FVH	(80°-90°)	48.5	0.5			G1/100
BL	(0°-30°)	602.2	5.6	B2/1000		
BM	(30°-60°)	2859.8	26.6	B3/5000		
BH	(60°-80°)	1867.5	17.4	B3/2500		G3/2500
BVH	(80°-90°)	48.5	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2
2.5°	1152.2	1151.1	1152.2	1153.3	1152.7	1152.7	1155.5	1157.1	1160.4	1159.8	1159.3
5°	1144.5	1143.9	1148.3	1153.3	1157.1	1163.7	1171.9	1178.0	1185.7	1187.3	1187.3
7.5°	1140.6	1139.0	1146.7	1155.5	1167.5	1184.0	1199.9	1216.4	1229.6	1234.0	1235.1
10°	1143.4	1143.9	1154.4	1170.8	1190.1	1213.1	1235.6	1263.6	1282.3	1286.7	1291.1
12.5°	1156.0	1154.9	1172.5	1198.8	1225.2	1254.3	1280.7	1311.4	1331.7	1342.2	1346.6
15°	1179.1	1176.9	1201.6	1240.6	1279.0	1313.1	1334.5	1363.6	1387.2	1400.4	1405.3
17.5°	1206.5	1207.6	1240.0	1290.6	1341.1	1379.5	1399.8	1414.7	1432.8	1444.3	1449.8
20°	1254.9	1257.1	1293.3	1353.2	1410.8	1454.8	1471.2	1465.7	1470.7	1479.5	1486.1
22.5°	1319.7	1320.8	1361.4	1426.2	1486.6	1534.9	1545.9	1523.4	1509.7	1515.7	1520.1
25°	1394.9	1402.0	1442.7	1509.1	1571.2	1617.3	1622.3	1588.2	1554.2	1555.8	1558.5
27.5°	1486.6	1493.2	1534.4	1600.3	1663.4	1703.5	1703.0	1657.4	1607.4	1594.8	1598.6
30°	1586.0	1593.1	1635.4	1703.5	1762.3	1797.4	1789.7	1735.4	1664.0	1640.4	1643.1
32.5°	1704.1	1708.5	1751.3	1819.4	1873.8	1901.8	1885.9	1818.9	1729.9	1703.0	1709.6
35°	1846.9	1853.5	1885.3	1949.6	1997.3	2020.4	1993.5	1914.4	1814.5	1784.3	1788.6
37.5°	2010.0	2005.6	2041.8	2098.9	2138.5	2152.7	2116.0	2022.0	1911.1	1875.4	1882.0
40°	2180.2	2178.0	2217.6	2272.5	2293.9	2302.7	2248.3	2145.6	2022.6	1984.2	1996.8
42.5°	2334.5	2332.9	2386.1	2447.1	2472.9	2463.0	2394.4	2276.9	2151.7	2107.7	2118.7
45°	2458.1	2455.9	2521.2	2606.9	2657.4	2641.0	2548.7	2421.8	2282.4	2236.8	2247.2
47.5°	2553.1	2554.2	2624.5	2730.5	2818.9	2824.9	2706.3	2569.6	2426.2	2374.6	2390.0
50°	2621.7	2625.0	2700.3	2817.8	2938.6	2991.9	2867.2	2721.1	2575.1	2516.8	2534.4
52.5°	2638.8	2644.8	2735.4	2873.3	3015.5	3117.1	3030.9	2866.7	2716.2	2660.7	2675.0
55°	2548.2	2560.2	2675.0	2868.9	3062.7	3199.5	3174.8	3014.4	2858.4	2801.3	2817.2
57.5°	2340.0	2357.0	2491.0	2744.2	3052.3	3256.0	3286.2	3156.1	3000.7	2945.8	2958.4
60°	2048.4	2068.7	2197.2	2473.5	2905.1	3276.9	3364.8	3293.9	3131.4	3078.1	3089.6
62.5°	1608.5	1634.9	1788.6	2112.7	2594.3	3179.7	3431.8	3418.6	3248.9	3182.4	3190.1
65°	1031.9	1059.9	1221.9	1604.7	2179.7	2882.0	3452.6	3540.0	3373.0	3280.2	3291.7
67.5°	622.2	634.8	715.0	972.6	1593.1	2433.4	3275.8	3674.5	3518.0	3402.7	3411.4
70°	398.1	405.3	453.1	571.1	900.6	1775.5	2837.6	3699.8	3693.7	3528.4	3527.3
72.5°	270.2	272.4	285.0	338.3	509.6	1008.8	2092.9	3349.4	3803.6	3690.4	3672.9
75°	197.7	209.8	230.1	239.4	289.4	504.1	1199.4	2353.2	3205.5	3254.9	3135.2
77.5°	147.2	147.7	175.7	186.7	206.5	268.5	507.4	1313.6	1990.2	2089.6	1863.9
80°	124.7	118.1	117.5	150.5	155.4	167.5	226.8	453.6	712.8	432.2	326.8
82.5°	103.8	96.7	87.3	117.5	106.0	102.7	98.3	184.5	226.8	111.5	95.0
85°	72.5	69.2	65.9	76.9	60.4	51.6	47.2	86.2	95.6	47.2	41.7
87.5°	31.3	32.4	33.0	34.0	25.3	18.1	18.1	24.2	24.2	18.7	13.7
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)