

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: P945863

Luminaire Tested: **GALN-SB1C-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945863
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-SB1C-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5590 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

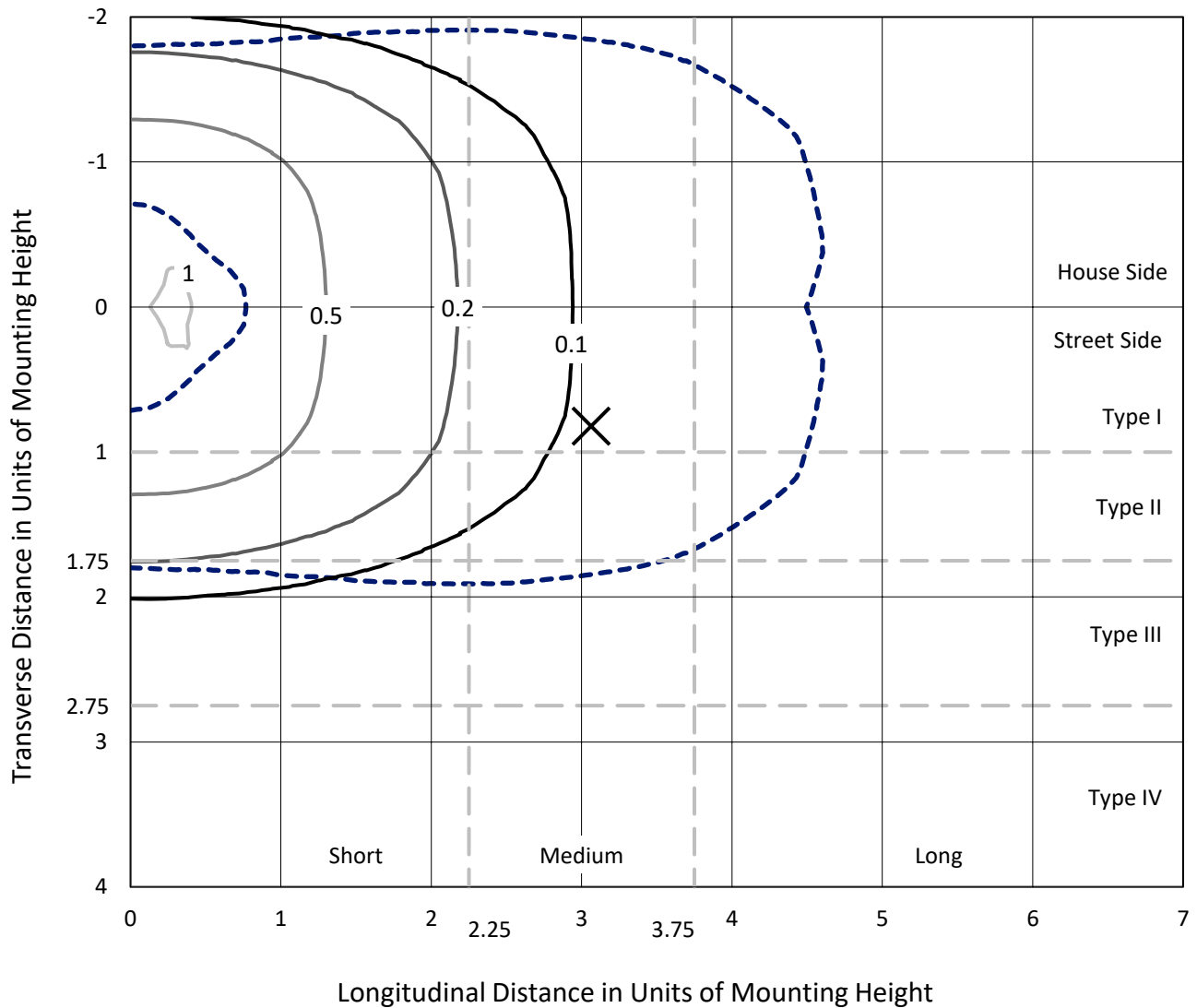
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

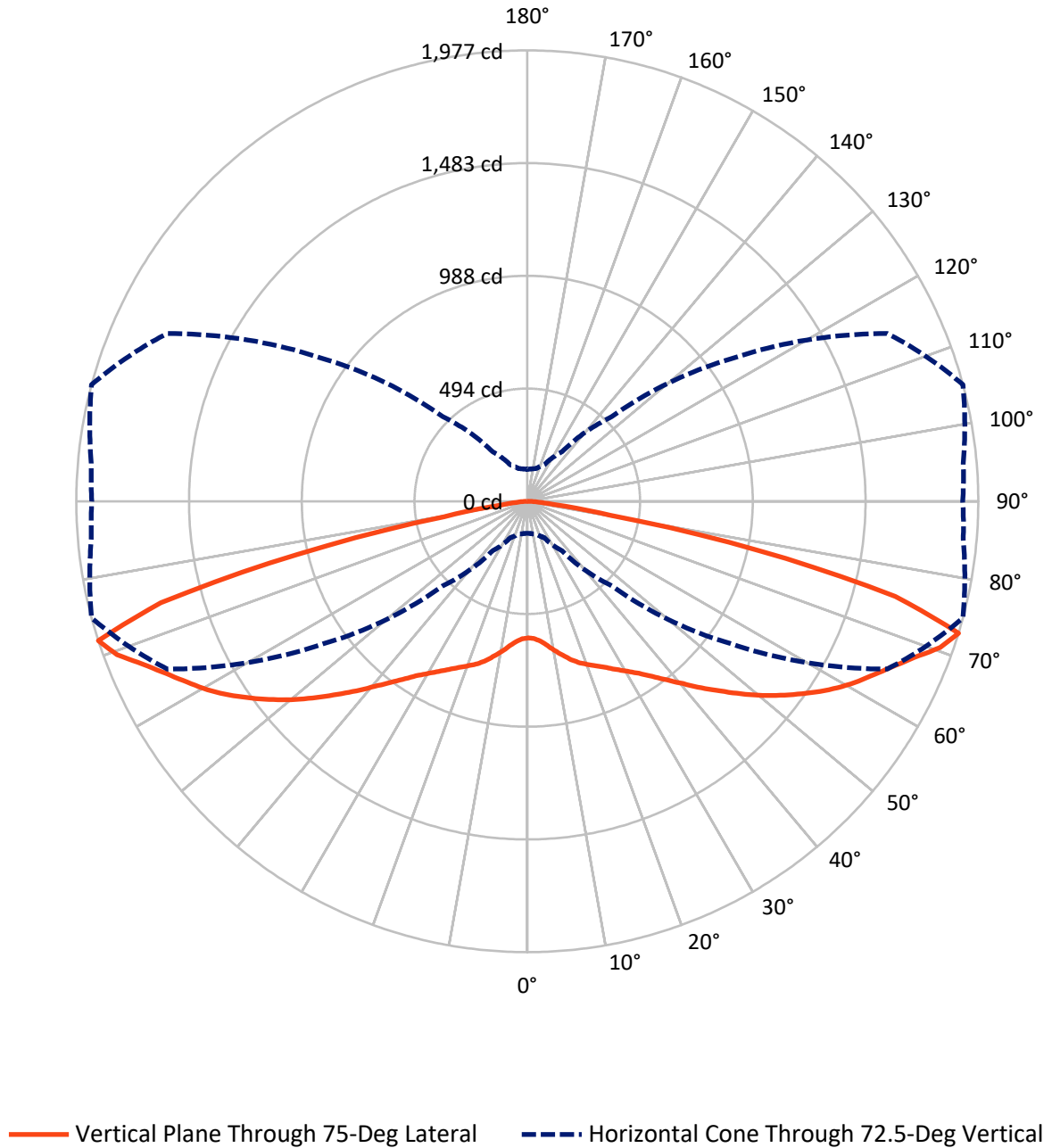
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	2795.0	0.0	2795.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2795.0	0.0	2795.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5590.0	0.0	5590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.0
10°-20°	193.5	3.5
20°-30°	373.8	6.7
30°-40°	631.2	11.3
40°-50°	1001.1	17.9
50°-60°	1340.3	24.0
60°-70°	1275.5	22.8
70°-80°	665.6	11.9
80°-90°	50.4	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°	5590.0	100.0
0°-180°	5590.0	100.0

Coefficient of Utilization



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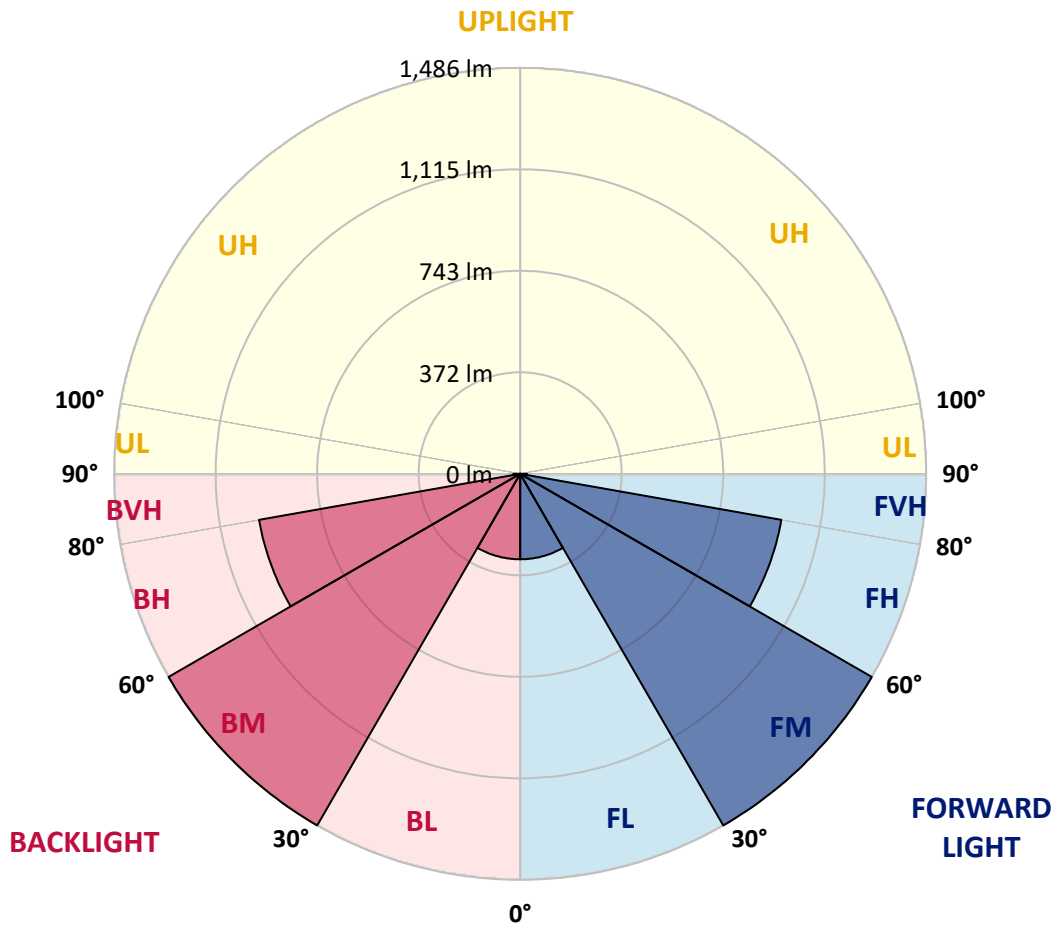
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.0	5.6			
FM (30°-60°)	1486.3	26.6			
FH (60°-80°)	970.6	17.4			G1/1800
FVH (80°-90°)	25.2	0.5			G1/100
BL (0°-30°)	313.0	5.6	B1/500		
BM (30°-60°)	1486.3	26.6	B2/2500		
BH (60°-80°)	970.6	17.4	B2/1000		G2/1000
BVH (80°-90°)	25.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8	598.8
2.5°	598.8	598.2	598.8	599.4	599.1	599.1	600.5	601.4	603.1	602.8
5°	594.8	594.5	596.8	599.4	601.4	604.8	609.1	612.2	616.2	617.1
7.5°	592.8	591.9	595.9	600.5	606.8	615.3	623.6	632.2	639.0	641.3
10°	594.2	594.5	599.9	608.5	618.5	630.5	642.2	656.7	666.4	668.7
12.5°	600.8	600.2	609.3	623.0	636.7	651.9	665.6	681.6	692.1	697.5
15°	612.8	611.6	624.5	644.7	664.7	682.4	693.5	708.7	720.9	727.8
17.5°	627.0	627.6	644.5	670.7	697.0	716.9	727.5	735.2	744.6	750.6
20°	652.2	653.3	672.1	703.2	733.2	756.0	764.6	761.8	764.3	768.9
22.5°	685.8	686.4	707.5	741.2	772.6	797.7	803.4	791.7	784.6	787.7
25°	724.9	728.7	749.8	784.3	816.6	840.5	843.1	825.4	807.7	808.6
27.5°	772.6	776.0	797.4	831.7	864.5	885.3	885.1	861.4	835.4	828.8
30°	824.3	828.0	849.9	885.3	915.9	934.1	930.1	901.9	864.8	852.5
32.5°	885.6	887.9	910.2	945.6	973.8	988.4	980.1	945.3	899.0	885.1
35°	959.8	963.3	979.8	1013.2	1038.0	1050.0	1036.0	994.9	943.0	927.3
37.5°	1044.6	1042.3	1061.2	1090.8	1111.4	1118.8	1099.7	1050.9	993.2	974.7
40°	1133.1	1131.9	1152.5	1181.0	1192.2	1196.7	1168.5	1115.1	1051.2	1031.2
42.5°	1213.3	1212.4	1240.1	1271.8	1285.2	1280.1	1244.4	1183.3	1118.2	1095.4
45°	1277.5	1276.4	1310.3	1354.8	1381.1	1372.5	1324.6	1258.7	1186.2	1162.5
47.5°	1326.9	1327.4	1364.0	1419.1	1465.0	1468.1	1406.5	1335.4	1260.9	1234.1
50°	1362.5	1364.3	1403.4	1464.4	1527.2	1554.9	1490.1	1414.2	1338.3	1308.0
52.5°	1371.4	1374.5	1421.6	1493.3	1567.2	1620.0	1575.2	1489.8	1411.6	1382.8
55°	1324.3	1330.6	1390.2	1491.0	1591.7	1662.8	1650.0	1566.6	1485.6	1455.9
57.5°	1216.1	1225.0	1294.6	1426.2	1586.3	1692.2	1707.9	1640.2	1559.5	1530.9
60°	1064.6	1075.1	1141.9	1285.5	1509.8	1703.0	1748.7	1711.9	1627.4	1599.7
62.5°	836.0	849.7	929.6	1098.0	1348.3	1652.5	1783.5	1776.7	1688.5	1653.9
65°	536.3	550.8	635.0	834.0	1132.8	1497.8	1794.4	1839.7	1753.0	1704.8
67.5°	323.4	329.9	371.6	505.5	828.0	1264.6	1702.5	1909.7	1828.3	1768.4
70°	206.9	210.6	235.5	296.8	468.1	922.7	1474.7	1922.8	1919.7	1833.8
72.5°	140.4	141.6	148.1	175.8	264.9	524.3	1087.7	1740.7	1976.7	1918.0
75°	102.7	109.0	119.6	124.4	150.4	262.0	623.3	1223.0	1665.9	1691.6
77.5°	76.5	76.8	91.3	97.0	107.3	139.6	263.7	682.7	1034.3	1086.0
80°	64.8	61.4	61.1	78.2	80.8	87.0	117.9	235.7	370.5	224.6
82.5°	53.9	50.2	45.4	61.1	55.1	53.4	51.1	95.9	117.9	57.9
85°	37.7	36.0	34.2	40.0	31.4	26.8	24.5	44.8	49.7	24.5
87.5°	16.3	16.8	17.1	17.7	13.1	9.4	9.4	12.6	12.6	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
598.8
602.5
617.1
641.9
671.0
699.8
730.4
753.5
772.3
790.0
810.0
830.8
853.9
888.5
929.6
978.1
1037.7
1101.1
1167.9
1242.1
1317.2
1390.2
1464.2
1537.5
1605.7
1657.9
1710.7
1773.0
1833.2
1908.8
1629.4
968.7
169.8
49.4
21.7
7.1
0.0

OF REPORT)