

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: P946577

Luminaire Tested: **GALN-SB2A-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946577
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-SB2A-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6694 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

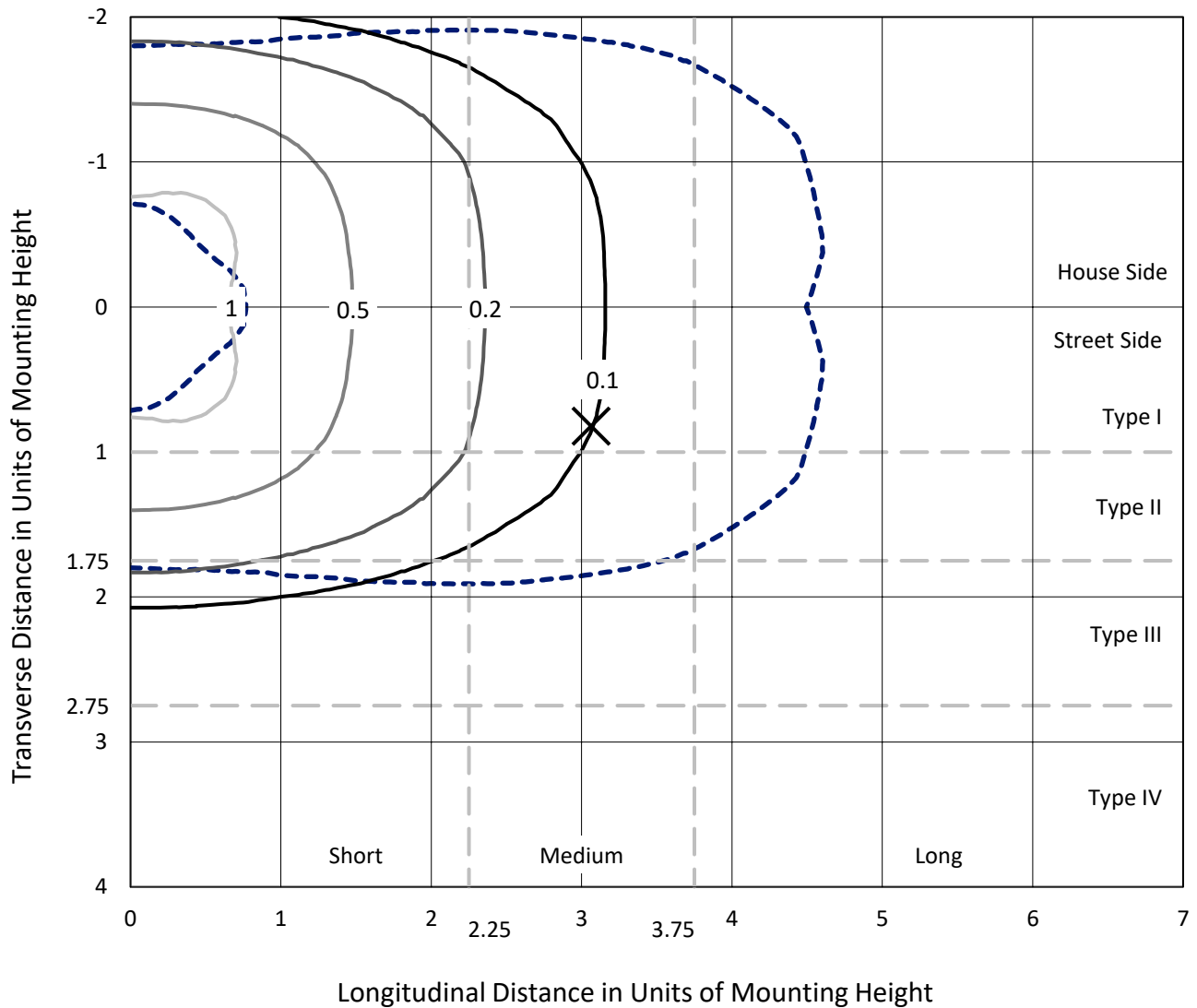
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

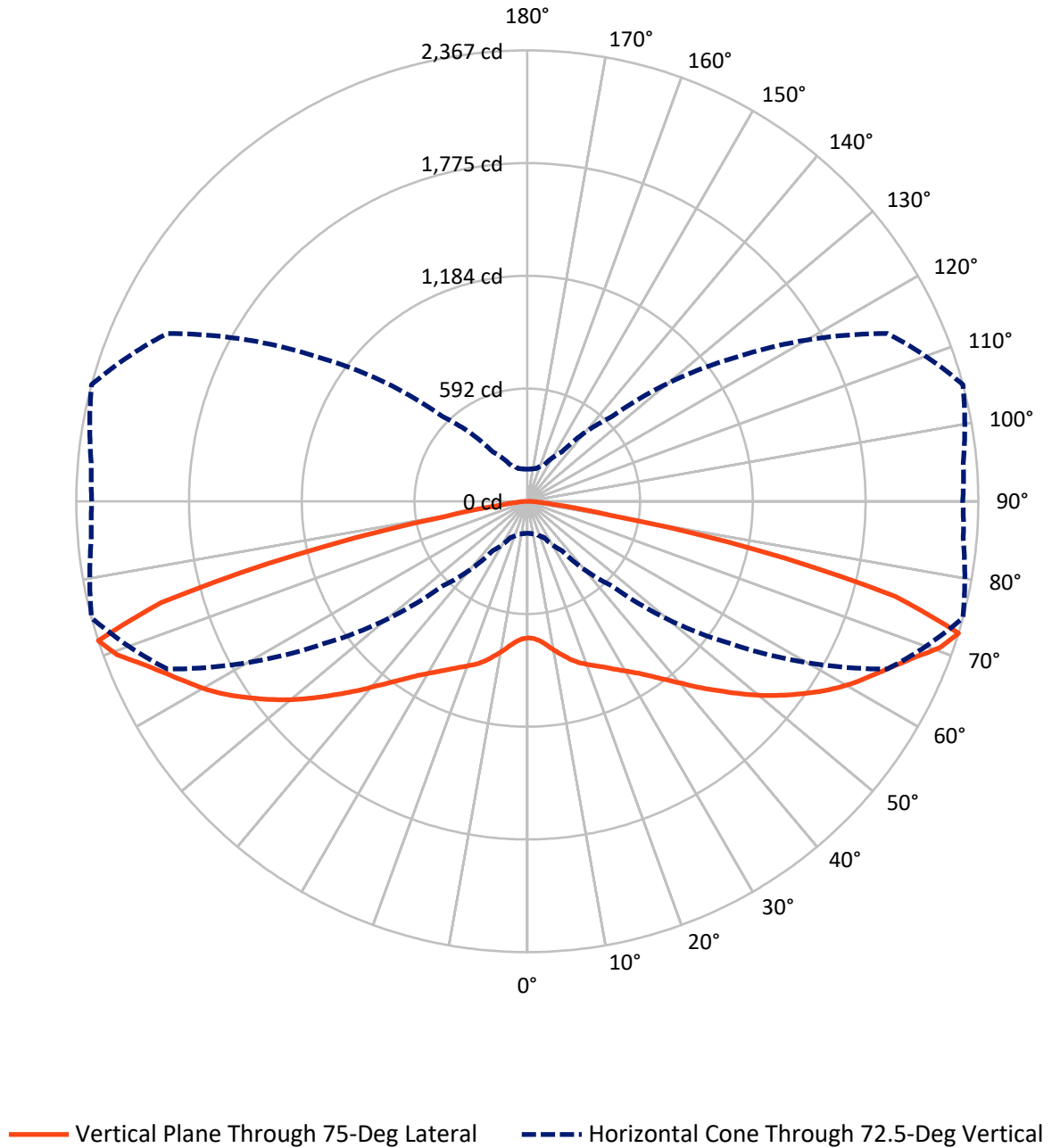
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3347.0	0.0	3347.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3347.0	0.0	3347.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6694.0	0.0	6694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.0
10°-20°	231.7	3.5
20°-30°	447.6	6.7
30°-40°	755.9	11.3
40°-50°	1198.8	17.9
50°-60°	1605.0	24.0
60°-70°	1527.4	22.8
70°-80°	797.0	11.9
80°-90°	60.3	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°	6694.0	100.0
0°-180°	6694.0	100.0

Coefficient of Utilization



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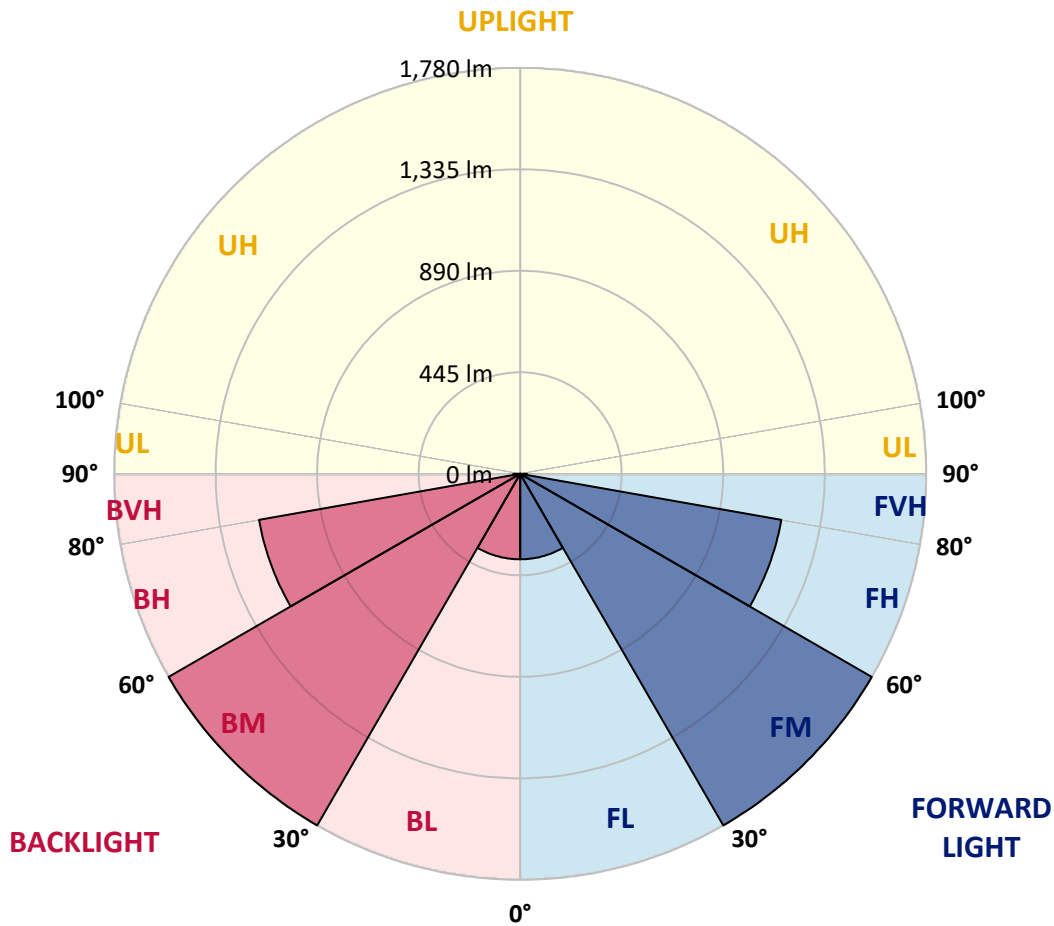
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.8	5.6			
FM (30°-60°)	1779.8	26.6			
FH (60°-80°)	1162.2	17.4			G1/1800
FVH (80°-90°)	30.2	0.5			G1/100
BL (0°-30°)	374.8	5.6	B1/500		
BM (30°-60°)	1779.8	26.6	B2/2500		
BH (60°-80°)	1162.2	17.4	B3/2500		G3/2500
BVH (80°-90°)	30.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	717.0	717.0	717.0	717.0	717.0	717.0	717.0	717.0	717.0	717.0
2.5°	717.0	716.4	717.0	717.7	717.4	717.4	719.1	720.1	722.2	721.8
5°	712.3	711.9	714.7	717.7	720.1	724.2	729.4	733.1	737.9	738.9
7.5°	709.9	708.8	713.6	719.1	726.6	736.9	746.8	757.0	765.2	768.0
10°	711.6	711.9	718.4	728.7	740.6	755.0	769.0	786.4	798.0	800.8
12.5°	719.4	718.8	729.7	746.1	762.5	780.6	797.0	816.2	828.8	835.3
15°	733.8	732.4	747.8	772.1	796.0	817.2	830.5	848.6	863.3	871.5
17.5°	750.9	751.6	771.7	803.2	834.6	858.5	871.2	880.4	891.7	898.9
20°	781.0	782.3	804.9	842.1	878.0	905.4	915.6	912.2	915.3	920.7
22.5°	821.3	822.0	847.3	887.6	925.2	955.3	962.1	948.1	939.5	943.3
25°	868.1	872.6	897.8	939.2	977.8	1006.5	1009.6	988.4	967.2	968.3
27.5°	925.2	929.3	954.9	995.9	1035.2	1060.2	1059.8	1031.5	1000.4	992.5
30°	987.1	991.5	1017.8	1060.2	1096.8	1118.6	1113.8	1080.0	1035.6	1020.9
32.5°	1060.5	1063.3	1089.9	1132.3	1166.1	1183.6	1173.7	1132.0	1076.6	1059.8
35°	1149.4	1153.5	1173.3	1213.3	1243.0	1257.4	1240.6	1191.4	1129.2	1110.4
37.5°	1250.9	1248.2	1270.7	1306.3	1330.9	1339.8	1316.9	1258.4	1189.4	1167.2
40°	1356.9	1355.5	1380.1	1414.3	1427.6	1433.1	1399.2	1335.3	1258.8	1234.8
42.5°	1452.9	1451.9	1485.0	1523.0	1539.0	1532.9	1490.1	1417.0	1339.1	1311.7
45°	1529.8	1528.4	1569.1	1622.4	1653.9	1643.6	1586.2	1507.2	1420.4	1392.1
47.5°	1588.9	1589.6	1633.4	1699.3	1754.3	1758.1	1684.3	1599.2	1510.0	1477.8
50°	1631.6	1633.7	1680.5	1753.7	1828.8	1862.0	1784.4	1693.5	1602.6	1566.4
52.5°	1642.2	1646.0	1702.4	1788.2	1876.7	1939.9	1886.3	1784.1	1690.4	1655.9
55°	1585.8	1593.4	1664.8	1785.4	1906.1	1991.2	1975.8	1876.0	1778.9	1743.4
57.5°	1456.3	1466.9	1550.3	1707.9	1899.6	2026.4	2045.2	1964.2	1867.5	1833.3
60°	1274.8	1287.5	1367.4	1539.4	1808.0	2039.4	2094.1	2050.0	1948.8	1915.7
62.5°	1001.1	1017.5	1113.2	1314.8	1614.6	1978.9	2135.8	2127.6	2022.0	1980.6
65°	642.2	659.6	760.5	998.7	1356.5	1793.6	2148.7	2203.1	2099.2	2041.4
67.5°	387.2	395.1	445.0	605.3	991.5	1514.4	2038.7	2286.8	2189.4	2117.6
70°	247.8	252.2	282.0	355.4	560.5	1105.0	1766.0	2302.5	2298.8	2195.9
72.5°	168.2	169.5	177.4	210.5	317.2	627.8	1302.5	2084.5	2367.1	2296.7
75°	123.0	130.6	143.2	149.0	180.1	313.8	746.4	1464.5	1994.9	2025.7
77.5°	91.6	91.9	109.4	116.2	128.5	167.1	315.8	817.5	1238.6	1300.5
80°	77.6	73.5	73.1	93.6	96.7	104.2	141.2	282.3	443.6	269.0
82.5°	64.6	60.2	54.3	73.1	66.0	63.9	61.2	114.8	141.2	69.4
85°	45.1	43.1	41.0	47.8	37.6	32.1	29.4	53.7	59.5	29.4
87.5°	19.5	20.2	20.5	21.2	15.7	11.3	11.3	15.0	15.0	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
717.0
721.5
738.9
768.7
803.5
838.0
874.6
902.3
924.8
946.0
970.0
994.9
1022.6
1064.0
1113.2
1171.3
1242.7
1318.6
1398.5
1487.4
1577.3
1664.8
1753.3
1841.2
1922.8
1985.4
2048.6
2123.1
2195.2
2285.8
1951.2
1160.0
203.4
59.1
26.0
8.5
0.0

OF REPORT)