

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: P946514

Luminaire Tested: **GALN-SB2A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946514
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-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5623 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

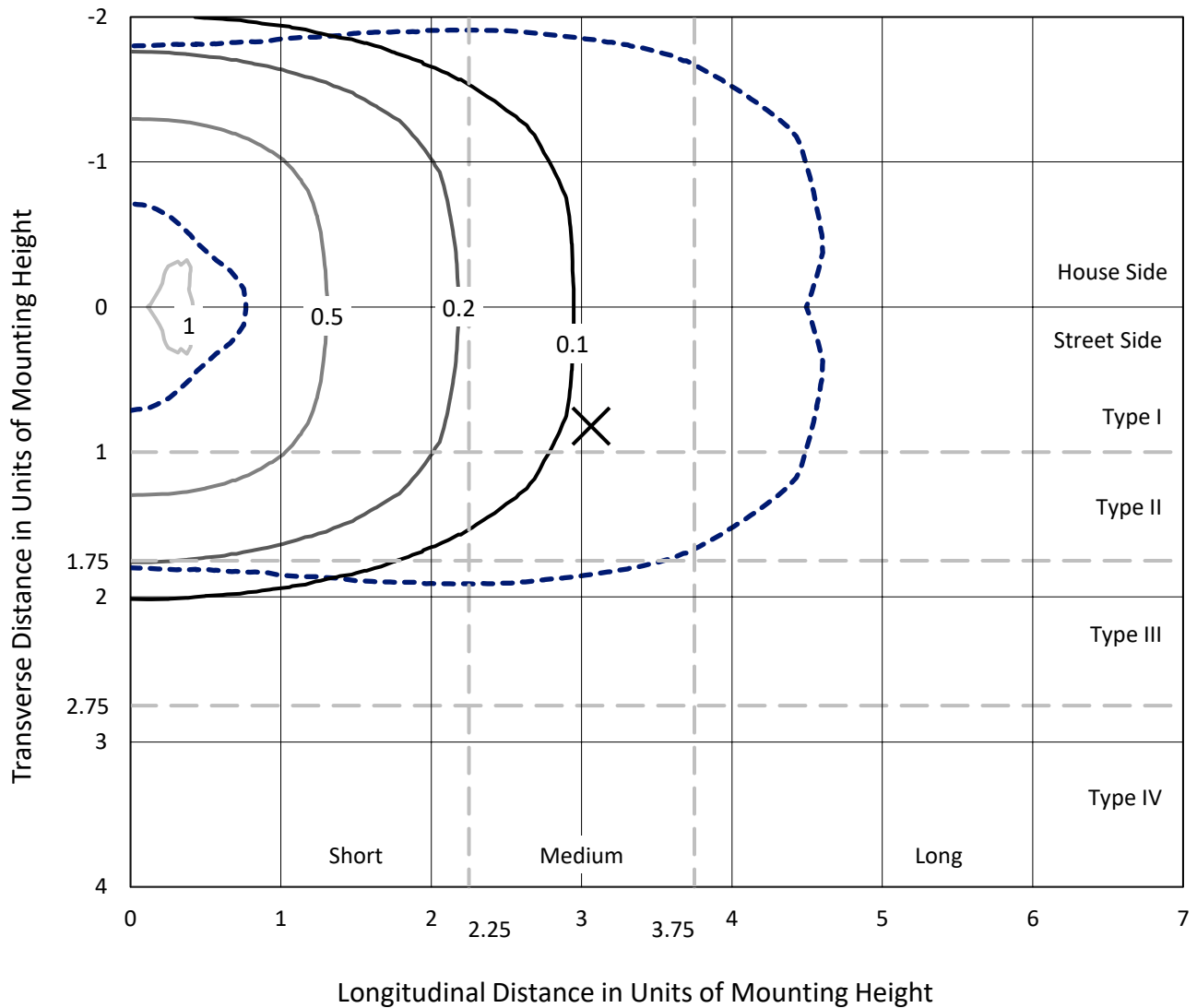
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

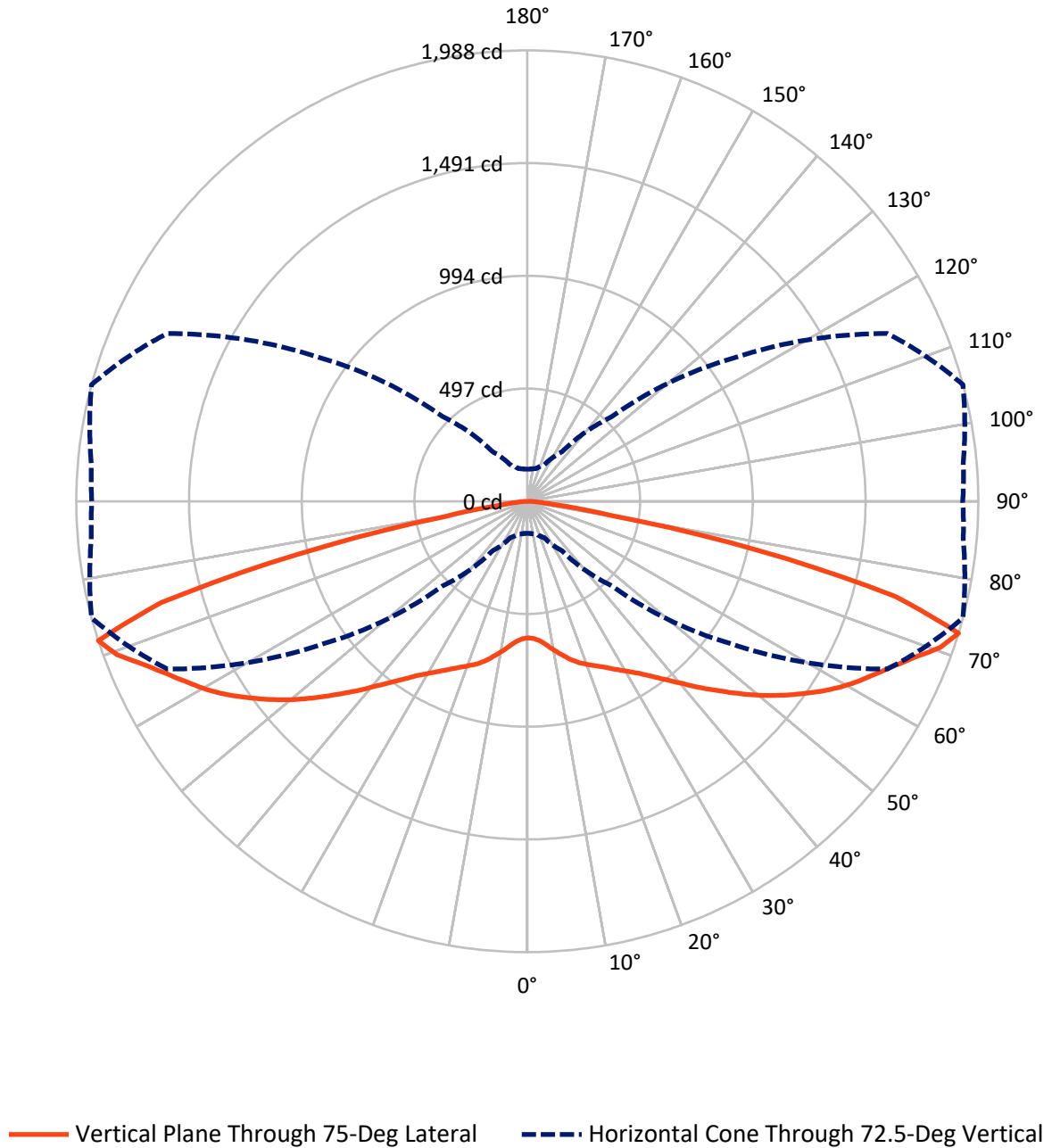
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	2811.5	0.0	2811.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2811.5	0.0	2811.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5623.0	0.0	5623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.0
10°-20°	194.6	3.5
20°-30°	376.0	6.7
30°-40°	635.0	11.3
40°-50°	1007.0	17.9
50°-60°	1348.2	24.0
60°-70°	1283.1	22.8
70°-80°	669.5	11.9
80°-90°	50.7	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°	5623.0	100.0
0°-180°	5623.0	100.0

Coefficient of Utilization



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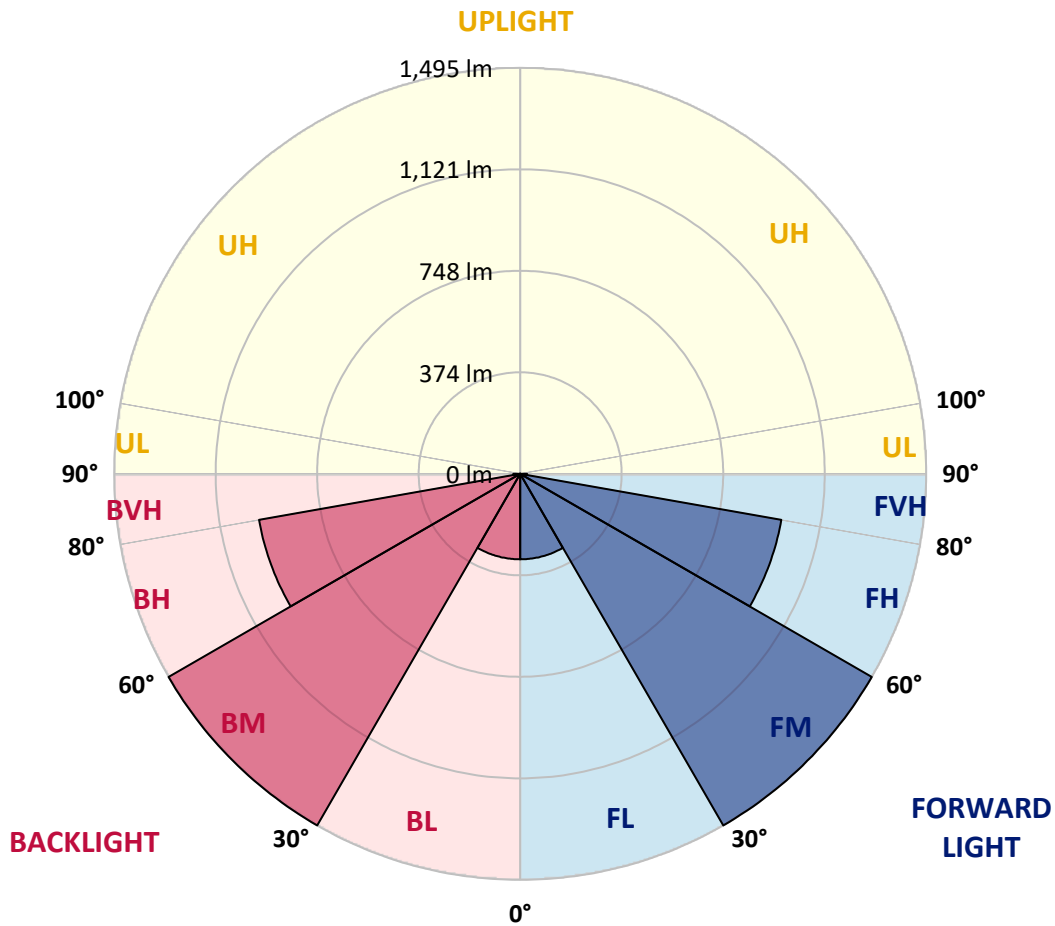
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.8	5.6			
FM (30°-60°)	1495.1	26.6			
FH (60°-80°)	976.3	17.4			G1/1800
FVH (80°-90°)	25.3	0.5			G1/100
BL (0°-30°)	314.8	5.6	B1/500		
BM (30°-60°)	1495.1	26.6	B2/2500		
BH (60°-80°)	976.3	17.4	B2/1000		G2/1000
BVH (80°-90°)	25.3	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°	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3	602.3
2.5°	602.3	601.7	602.3	602.9	602.6	602.6	604.0	604.9	606.6	606.3
5°	598.3	598.0	600.3	602.9	604.9	608.4	612.7	615.8	619.8	620.7
7.5°	596.3	595.4	599.5	604.0	610.4	619.0	627.3	635.9	642.8	645.1
10°	597.7	598.0	603.5	612.1	622.1	634.2	646.0	660.6	670.4	672.7
12.5°	604.3	603.8	612.9	626.7	640.5	655.7	669.5	685.6	696.2	701.7
15°	616.4	615.2	628.2	648.5	668.6	686.4	697.6	712.9	725.2	732.1
17.5°	630.7	631.3	648.3	674.7	701.1	721.2	731.8	739.6	749.0	755.1
20°	656.0	657.2	676.1	707.4	737.5	760.5	769.1	766.3	768.8	773.4
22.5°	689.9	690.5	711.7	745.6	777.2	802.4	808.2	796.4	789.2	792.4
25°	729.2	733.0	754.2	788.9	821.4	845.5	848.1	830.3	812.5	813.3
27.5°	777.2	780.6	802.1	836.6	869.6	890.6	890.3	866.5	840.3	833.7
30°	829.1	832.9	855.0	890.6	921.3	939.7	935.6	907.2	869.9	857.6
32.5°	890.9	893.2	915.5	951.1	979.6	994.2	985.9	950.9	904.3	890.3
35°	965.5	968.9	985.6	1019.2	1044.2	1056.2	1042.2	1000.8	948.6	932.8
37.5°	1050.8	1048.5	1067.4	1097.3	1117.9	1125.4	1106.2	1057.1	999.1	980.4
40°	1139.8	1138.6	1159.3	1188.0	1199.2	1203.8	1175.4	1121.7	1057.4	1037.3
42.5°	1220.4	1219.6	1247.4	1279.3	1292.8	1287.6	1251.7	1190.3	1124.8	1101.9
45°	1285.0	1283.9	1318.1	1362.8	1389.2	1380.6	1332.4	1266.1	1193.2	1169.3
47.5°	1334.7	1335.3	1372.0	1427.4	1473.7	1476.8	1414.8	1343.3	1268.4	1241.4
50°	1370.6	1372.3	1411.6	1473.1	1536.2	1564.1	1498.9	1422.6	1346.2	1315.8
52.5°	1379.5	1382.6	1430.0	1502.1	1576.4	1629.5	1584.5	1498.6	1420.0	1391.0
55°	1332.1	1338.4	1398.4	1499.8	1601.1	1672.6	1659.7	1575.9	1494.3	1464.5
57.5°	1223.3	1232.2	1302.3	1434.6	1595.7	1702.2	1718.0	1649.9	1568.7	1540.0
60°	1070.9	1081.5	1148.7	1293.1	1518.7	1713.1	1759.0	1722.0	1637.0	1609.2
62.5°	840.9	854.7	935.1	1104.5	1356.2	1662.3	1794.1	1787.2	1698.5	1663.7
65°	539.5	554.1	638.8	838.9	1139.5	1506.7	1805.0	1850.6	1763.3	1714.8
67.5°	325.3	331.9	373.8	508.4	832.9	1272.1	1712.5	1920.9	1839.1	1778.8
70°	208.1	211.9	236.9	298.6	470.8	928.2	1483.4	1934.2	1931.0	1844.6
72.5°	141.3	142.4	149.0	176.9	266.4	527.4	1094.1	1751.0	1988.4	1929.3
75°	103.4	109.7	120.3	125.2	151.3	263.6	627.0	1230.2	1675.8	1701.6
77.5°	76.9	77.2	91.9	97.6	107.9	140.4	265.3	686.7	1040.4	1092.4
80°	65.2	61.7	61.4	78.7	81.2	87.6	118.6	237.1	372.6	225.9
82.5°	54.3	50.5	45.6	61.4	55.4	53.7	51.4	96.5	118.6	58.3
85°	37.9	36.2	34.5	40.2	31.6	27.0	24.7	45.1	50.0	24.7
87.5°	16.4	16.9	17.2	17.8	13.2	9.5	9.5	12.6	12.6	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
602.3
606.1
620.7
645.7
675.0
704.0
734.7
757.9
776.9
794.7
814.8
835.7
859.0
893.7
935.1
983.9
1043.9
1107.6
1174.8
1249.4
1324.9
1398.4
1472.8
1546.6
1615.2
1667.7
1720.8
1783.4
1844.0
1920.1
1639.0
974.4
170.8
49.7
21.8
7.2
0.0

OF REPORT)