

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: P946595

Luminaire Tested: **GALN-SB2A-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6539 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

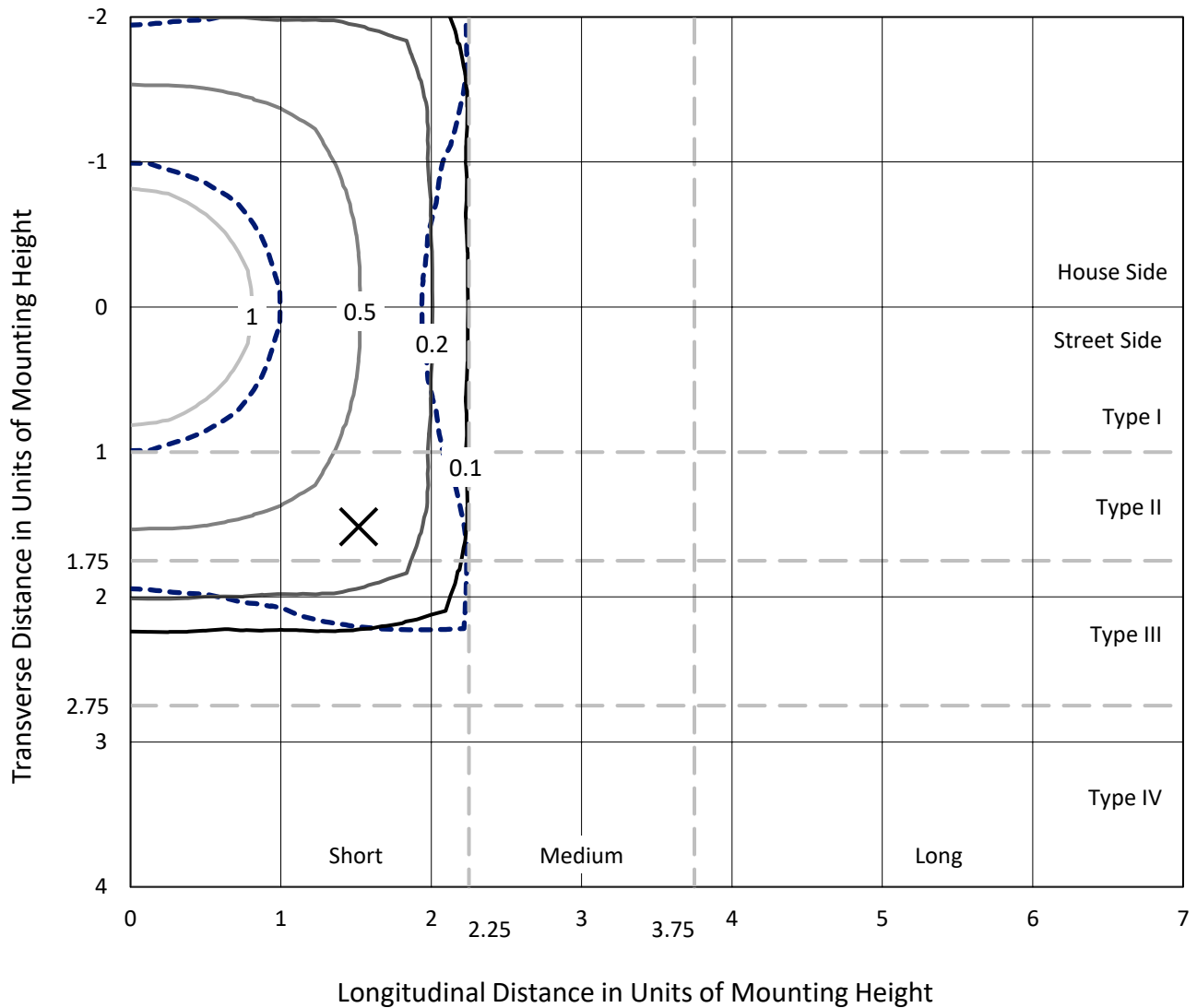
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

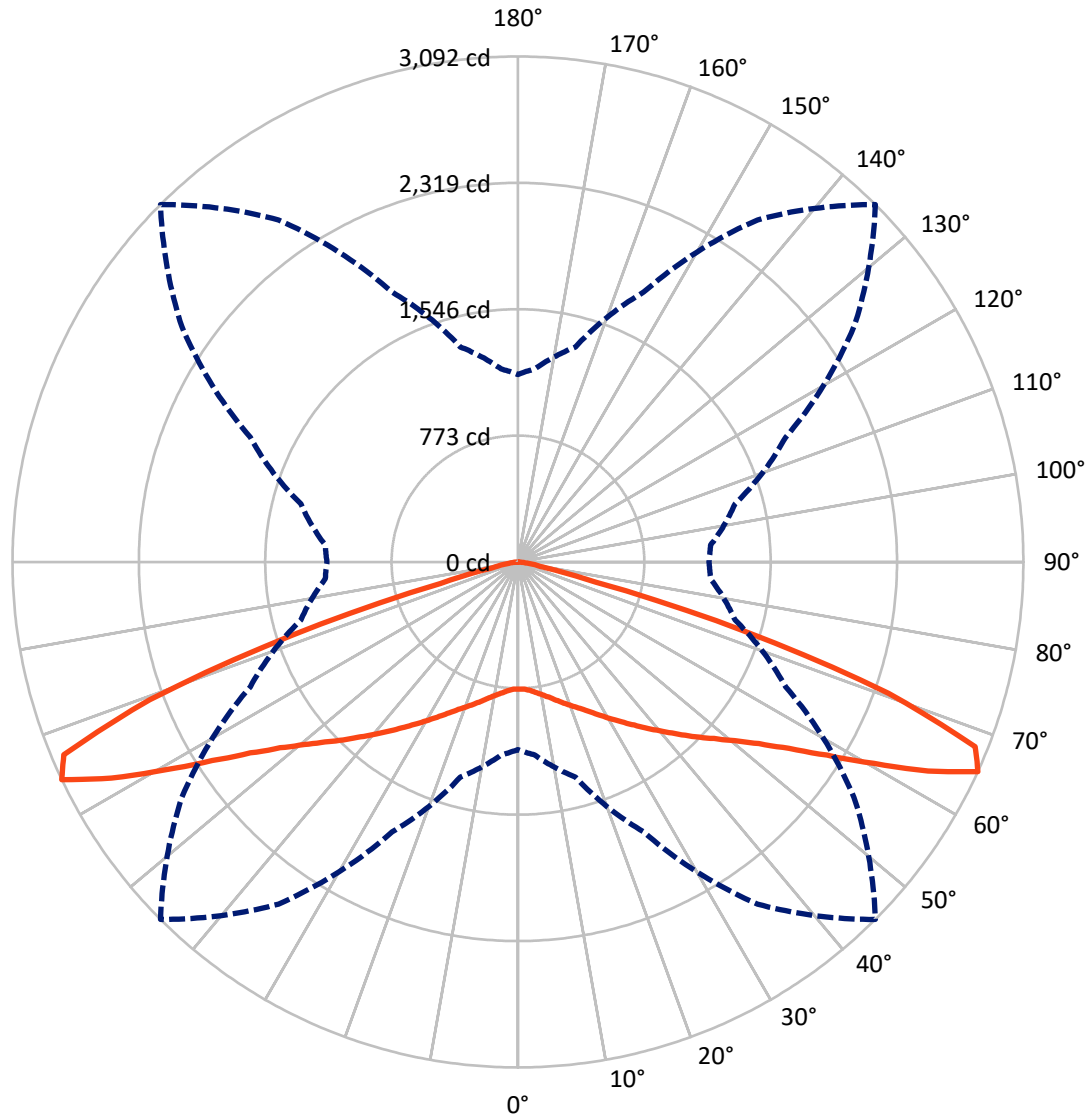
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3269.5	0.0	3269.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3269.5	0.0	3269.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6539.0	0.0	6539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.2
10°-20°	250.6	3.8
20°-30°	473.2	7.2
30°-40°	774.8	11.8
40°-50°	1201.4	18.4
50°-60°	1774.7	27.1
60°-70°	1689.3	25.8
70°-80°	272.6	4.2
80°-90°	25.7	0.4
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°	6539.0	100.0
0°-180°	6539.0	100.0

Coefficient of Utilization



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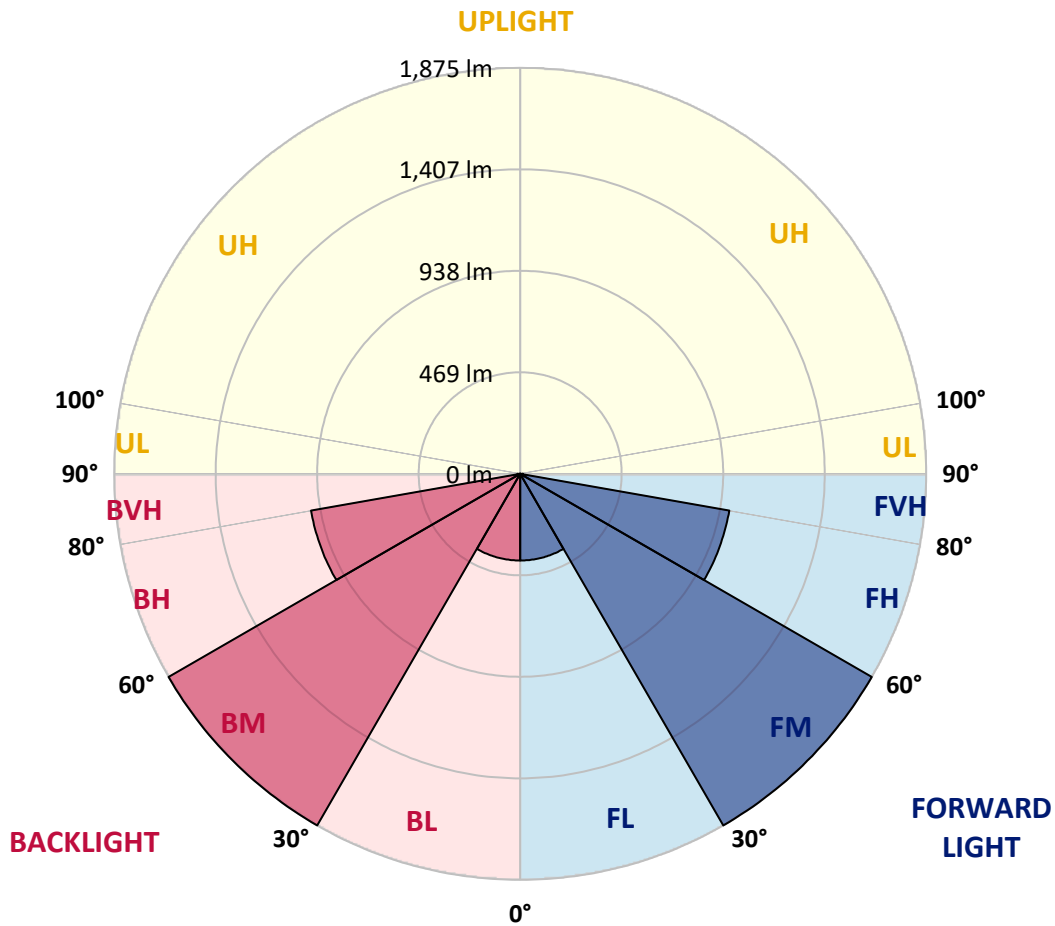
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.3	6.1			
FM (30°-60°)	1875.4	28.7			
FH (60°-80°)	980.9	15.0			G1/1800
FVH (80°-90°)	12.8	0.2			G1/100
BL (0°-30°)	400.3	6.1	B1/500		
BM (30°-60°)	1875.4	28.7	B2/2500		
BH (60°-80°)	980.9	15.0	B2/1000		G1/1800
BVH (80°-90°)	12.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2	778.2
2.5°	783.5	780.8	782.8	781.2	779.8	778.5	779.2	781.5	782.5	782.8
5°	794.0	791.7	792.6	792.6	790.3	789.7	790.0	791.7	793.6	793.6
7.5°	811.0	808.7	811.0	809.7	807.7	807.1	806.7	808.1	811.0	811.0
10°	831.7	829.1	830.4	829.7	827.4	826.4	826.1	828.1	830.7	830.4
12.5°	854.3	851.4	853.0	851.0	850.4	849.4	849.4	849.1	850.7	849.4
15°	879.6	877.6	878.3	877.0	877.9	877.3	874.7	873.3	874.0	872.0
17.5°	909.4	904.8	907.1	906.5	906.5	907.8	903.5	901.9	903.2	901.2
20°	943.9	939.3	940.3	939.0	937.3	938.6	933.4	934.7	935.7	934.4
22.5°	981.6	975.7	975.4	976.0	972.4	972.8	969.1	972.4	974.4	970.8
25°	1020.3	1014.1	1018.4	1016.7	1012.1	1013.1	1010.5	1013.8	1015.4	1010.8
27.5°	1061.3	1057.1	1061.0	1062.0	1056.4	1060.4	1056.4	1059.4	1061.0	1054.1
30°	1109.2	1105.0	1108.6	1111.2	1104.6	1110.9	1107.6	1109.6	1109.9	1101.7
32.5°	1161.4	1154.8	1164.0	1165.3	1158.1	1165.7	1161.4	1164.0	1165.7	1154.5
35°	1225.1	1216.8	1227.3	1225.7	1219.5	1225.7	1221.8	1225.7	1229.6	1216.2
37.5°	1293.6	1285.1	1296.2	1293.3	1287.4	1291.7	1289.4	1292.0	1298.2	1283.8
40°	1369.1	1358.6	1373.7	1368.4	1362.8	1362.2	1363.5	1365.1	1373.3	1357.3
42.5°	1449.8	1438.6	1461.3	1453.1	1445.2	1439.9	1444.2	1447.5	1455.4	1437.3
45°	1542.0	1529.2	1558.7	1548.9	1536.4	1525.6	1532.5	1537.4	1548.9	1527.2
47.5°	1643.7	1629.2	1660.7	1657.8	1637.4	1613.8	1629.6	1643.7	1652.2	1626.0
50°	1743.1	1731.9	1773.3	1776.9	1751.9	1718.8	1740.8	1762.1	1764.4	1730.0
52.5°	1836.3	1825.1	1885.1	1907.8	1885.5	1846.1	1869.4	1891.1	1873.7	1829.0
55°	1910.7	1901.6	1978.0	2036.4	2043.9	2011.5	2025.2	2024.6	1967.5	1898.9
57.5°	1928.8	1927.5	2023.9	2147.6	2226.4	2230.3	2203.1	2133.5	2010.5	1918.3
60°	1846.8	1855.0	1987.5	2205.7	2415.7	2502.9	2385.1	2186.7	1961.6	1833.6
62.5°	1601.4	1623.0	1782.8	2134.8	2568.5	2816.6	2531.1	2105.9	1760.8	1593.8
65°	1147.6	1185.4	1361.9	1821.8	2554.8	3092.2	2510.1	1807.1	1375.0	1182.4
67.5°	520.7	559.0	709.0	1247.4	2220.8	3017.4	2215.5	1260.5	744.4	561.0
70°	188.6	195.2	243.4	499.3	1419.3	2404.2	1480.0	502.9	258.9	208.0
72.5°	114.2	115.2	125.3	178.8	493.1	1459.6	514.1	184.7	128.0	113.5
75°	72.5	71.8	89.2	109.3	174.9	492.4	183.4	109.3	88.9	81.0
77.5°	52.2	53.8	64.0	81.7	110.2	167.0	108.3	78.1	64.0	52.5
80°	39.0	40.0	46.6	63.6	77.4	104.0	68.9	57.7	48.2	32.8
82.5°	28.2	28.2	30.5	46.3	47.2	56.1	37.4	40.7	31.8	23.3
85°	16.7	16.4	19.0	27.6	24.6	20.7	17.1	24.9	20.0	14.4
87.5°	5.9	6.2	5.9	7.9	6.6	5.6	5.2	6.9	5.6	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
778.2
782.8
793.6
810.0
829.7
850.1
872.4
902.9
937.3
974.4
1016.1
1059.4
1106.6
1162.1
1224.4
1292.6
1362.5
1446.8
1538.4
1634.8
1734.2
1830.4
1901.2
1912.4
1818.5
1584.0
1168.3
552.8
205.4
115.5
81.7
53.5
33.8
23.3
14.1
4.6
0.0

OF REPORT)