

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: P942950

Luminaire Tested: **GALN-SB7A-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22448 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

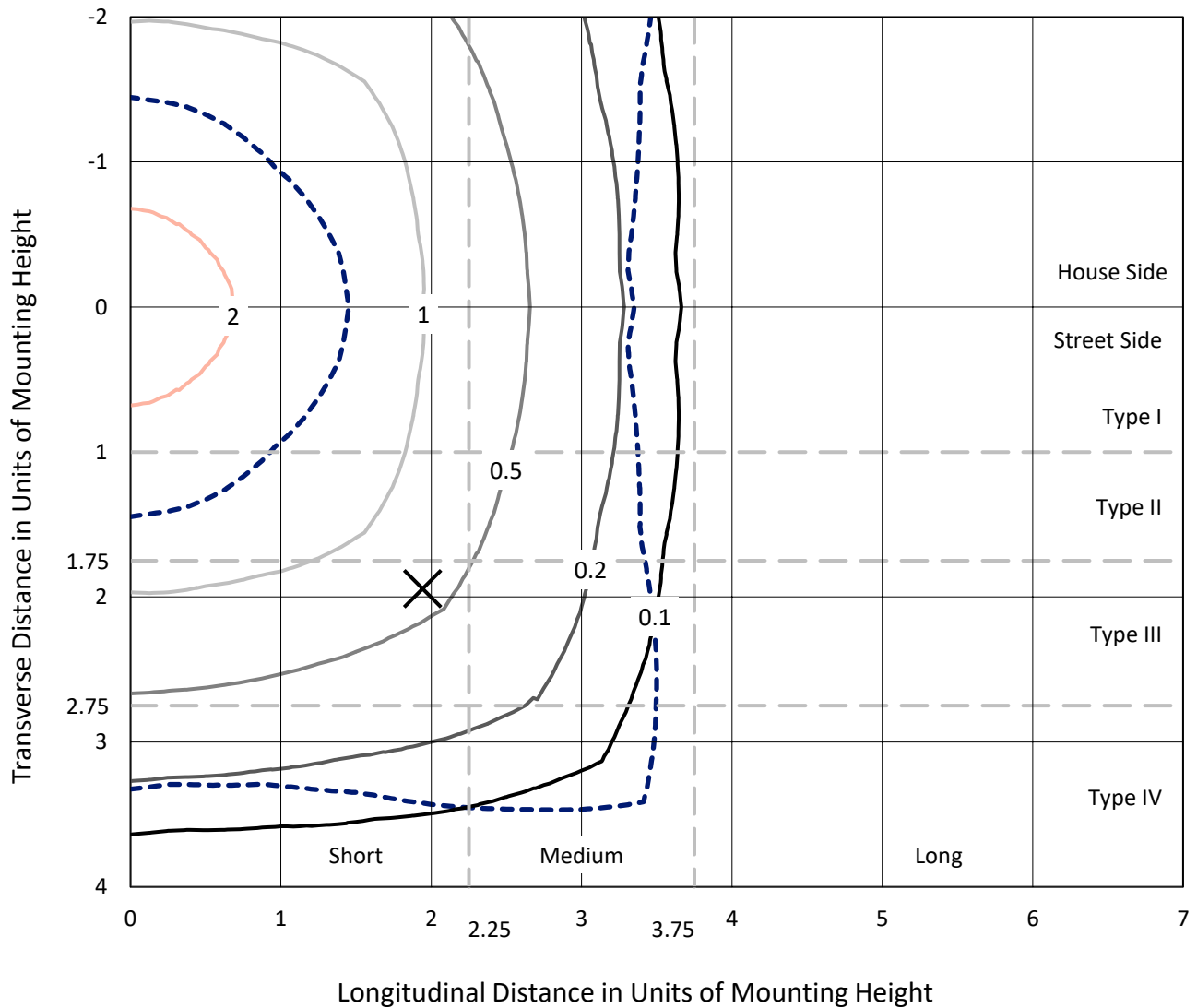
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942950
 CATALOG NUMBER: GALN-SB7A-950-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

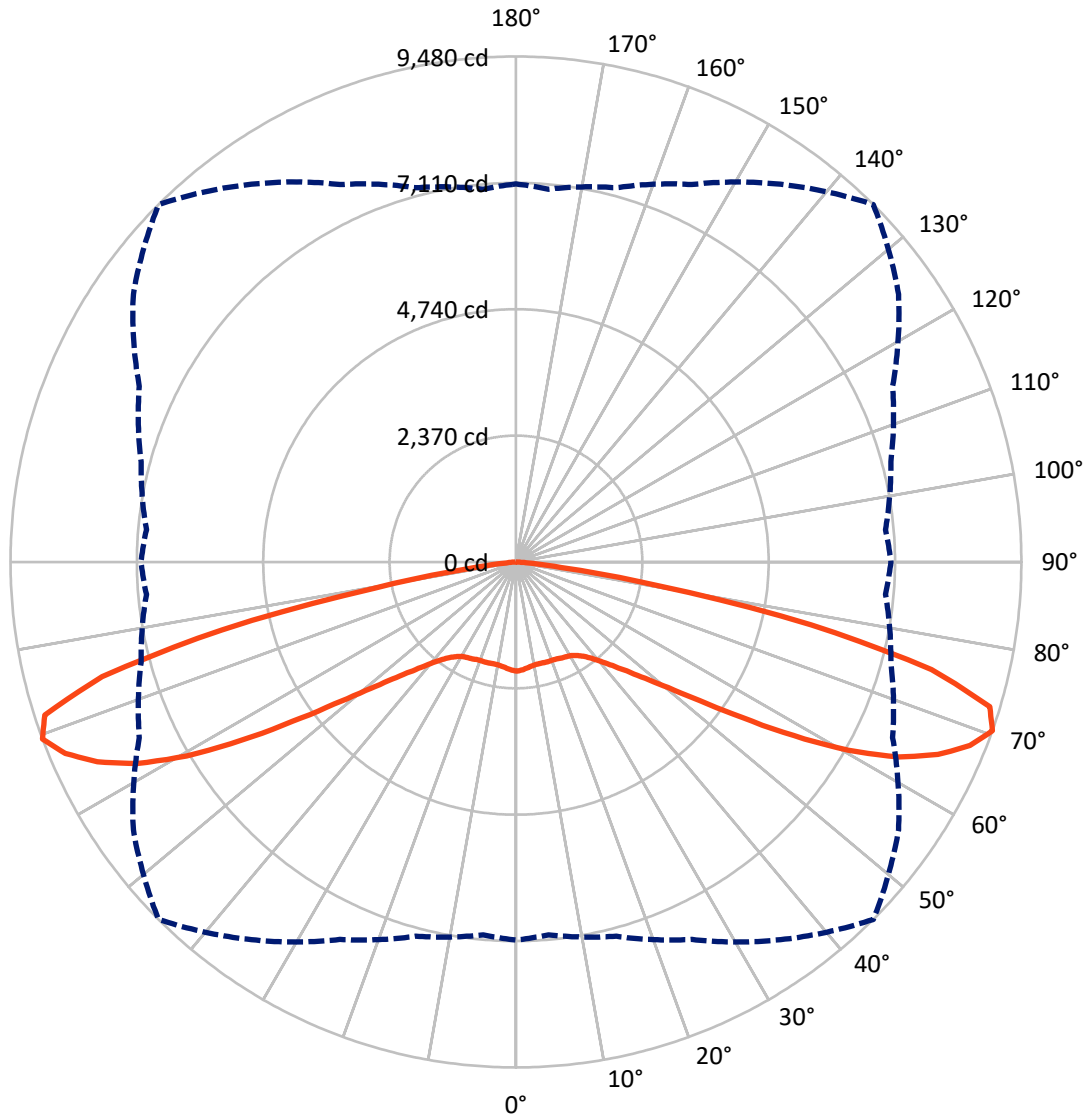
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P942950
CATALOG NUMBER: GALN-SB7A-950-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P942950

CATALOG NUMBER: GALN-SB7A-950-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11224.0	0.0	11224.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11224.0	0.0	11224.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22448.0	0.0	22448.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	0.8
10°-20°	559.3	2.5
20°-30°	930.8	4.1
30°-40°	1407.6	6.3
40°-50°	2339.1	10.4
50°-60°	4413.8	19.7
60°-70°	7452.9	33.2
70°-80°	4897.3	21.8
80°-90°	256.6	1.1
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°	22448.0	100.0
0°-180°	22448.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942950

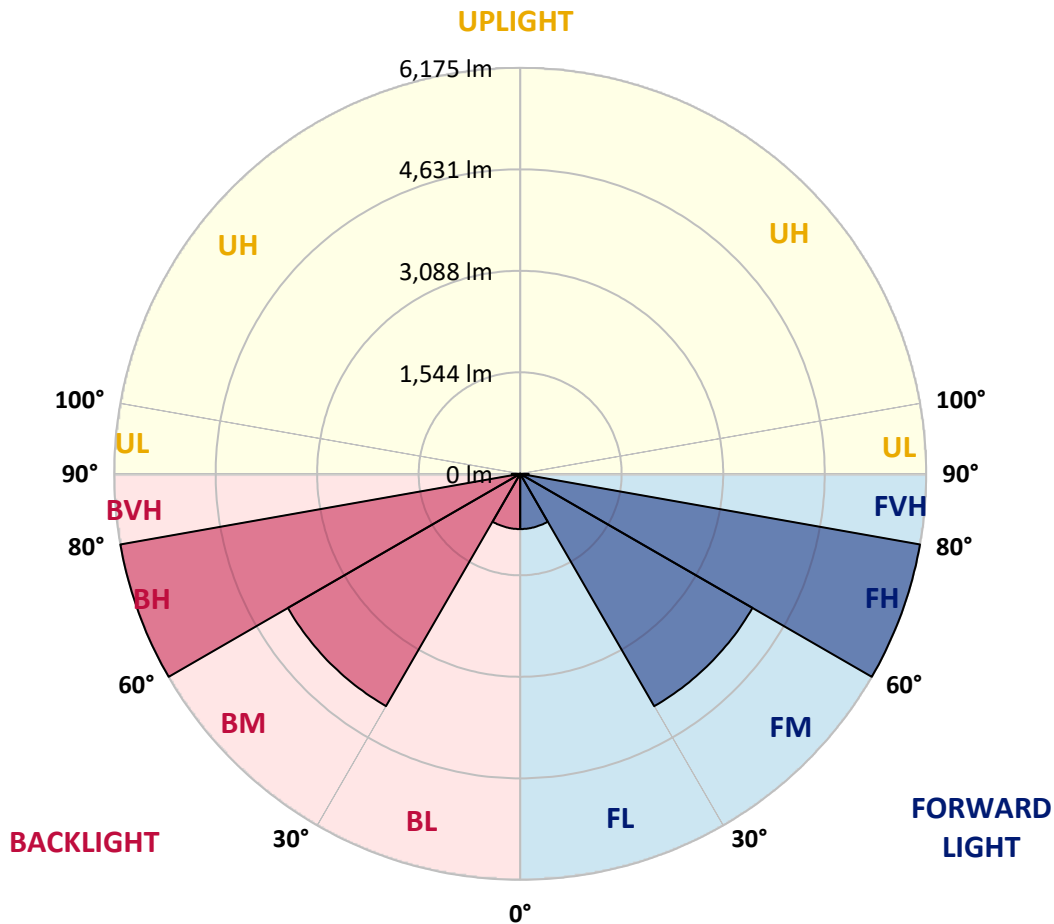
CATALOG NUMBER: GALN-SB7A-950-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	840.3	3.7			
FM (30°-60°)	4080.3	18.2			
FH (60°-80°)	6175.1	27.5			G3/7500
FVH (80°-90°)	128.3	0.6			G2/225
BL (0°-30°)	840.3	3.7	B2/1000		
BM (30°-60°)	4080.3	18.2	B3/5000		
BH (60°-80°)	6175.1	27.5	B5		G3/7500
BVH (80°-90°)	128.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P942950

CATALOG NUMBER: GALN-SB7A-950-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7	2047.7
2.5°	2034.9	2040.7	2038.4	2033.7	2033.7	2030.2	2033.7	2036.0	2039.5	2041.9
5°	2008.0	2012.7	2011.5	2008.0	2009.2	2005.7	2008.0	2011.5	2013.9	2015.0
7.5°	1984.7	1989.4	1987.0	1981.2	1981.2	1977.7	1978.9	1982.4	1985.9	1987.0
10°	1978.9	1983.5	1976.5	1967.2	1963.7	1959.0	1960.2	1963.7	1970.7	1974.2
12.5°	1981.2	1984.7	1977.7	1963.7	1960.2	1955.5	1955.5	1959.0	1968.4	1973.0
15°	1988.2	1991.7	1981.2	1966.0	1962.5	1959.0	1957.9	1962.5	1973.0	1981.2
17.5°	2001.0	2004.5	1988.2	1967.2	1962.5	1963.7	1962.5	1966.0	1982.4	1997.5
20°	2012.7	2015.0	1992.9	1967.2	1962.5	1963.7	1962.5	1969.5	1990.5	2011.5
22.5°	2016.2	2018.5	1997.5	1975.4	1971.9	1973.0	1971.9	1978.9	1998.7	2019.7
25°	2017.4	2020.9	2004.5	1987.0	1992.9	1995.2	1992.9	1994.0	2009.2	2027.9
27.5°	2034.9	2039.5	2024.4	2009.2	2012.7	2011.5	2015.0	2018.5	2030.2	2048.9
30°	2071.0	2074.5	2061.7	2046.5	2044.2	2036.0	2046.5	2058.2	2071.0	2087.4
32.5°	2130.6	2137.6	2121.2	2104.9	2094.4	2089.7	2097.9	2117.7	2135.2	2152.7
35°	2229.7	2234.4	2219.2	2188.9	2170.2	2170.2	2177.2	2202.9	2230.9	2253.1
37.5°	2369.7	2375.6	2348.7	2312.6	2284.6	2284.6	2293.9	2320.7	2362.7	2394.2
40°	2540.1	2548.3	2514.4	2477.1	2450.3	2445.6	2457.3	2487.6	2527.3	2566.9
42.5°	2745.4	2754.8	2710.4	2677.8	2656.8	2656.8	2662.6	2690.6	2726.8	2775.8
45°	3008.0	3024.3	2963.6	2931.0	2911.1	2915.8	2919.3	2943.8	2976.5	3032.5
47.5°	3320.7	3337.0	3272.8	3239.0	3235.5	3257.7	3243.7	3261.2	3278.7	3342.8
50°	3675.4	3703.4	3659.0	3656.7	3663.7	3704.5	3671.9	3681.2	3661.4	3702.2
52.5°	4109.4	4150.3	4142.1	4156.1	4234.3	4318.3	4243.6	4210.9	4136.3	4149.1
55°	4635.6	4697.5	4709.1	4793.2	4970.5	5142.0	4983.3	4851.5	4692.8	4663.6
57.5°	5234.2	5283.2	5339.2	5510.7	5842.1	6146.6	5842.1	5550.4	5300.7	5241.2
60°	5878.3	5938.9	5992.6	6245.8	6738.2	7166.4	6728.9	6265.6	5935.4	5854.9
62.5°	6570.2	6648.3	6685.7	6966.9	7540.9	8052.0	7549.1	6987.9	6621.5	6535.2
65°	7234.1	7298.2	7340.3	7640.1	8188.5	8700.7	8225.8	7672.8	7295.9	7182.7
67.5°	7543.3	7578.3	7681.0	8020.5	8599.2	9183.8	8697.2	8056.7	7635.4	7437.1
70°	7090.6	7019.4	7266.7	7810.5	8648.2	9480.1	8760.2	7794.1	7278.4	6956.4
72.5°	5479.2	5356.7	5786.1	6716.0	8088.2	9291.1	8144.2	6768.5	6053.3	5399.9
75°	2981.1	2842.3	3435.0	4611.1	6450.0	8053.2	6598.2	4743.0	3824.7	2959.0
77.5°	841.3	788.7	1267.1	2230.9	3879.6	5654.2	4028.9	2279.9	1502.8	891.4
80°	257.9	249.7	338.4	672.1	1647.5	2708.1	1583.3	680.2	430.5	271.9
82.5°	152.8	140.0	168.0	245.0	420.0	850.6	408.4	255.5	205.4	137.7
85°	87.5	81.7	99.2	119.0	141.2	180.9	117.8	121.3	109.7	73.5
87.5°	36.2	32.7	38.5	37.3	32.7	42.0	31.5	37.3	44.3	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2047.7
2040.7
2015.0
1987.0
1974.2
1974.2
1982.4
1997.5
2012.7
2019.7
2026.7
2044.2
2083.9
2145.7
2244.9
2382.6
2554.1
2772.3
3030.1
3324.2
3677.7
4105.9
4618.1
5199.2
5784.9
6465.2
7126.7
7439.4
7033.4
5562.1
3151.5
990.6
287.0
149.3
77.0
26.8
0.0

OF REPORT)