

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: P946973

Luminaire Tested: **GALN-SB2C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946973
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-SB2C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12965 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 100.9
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

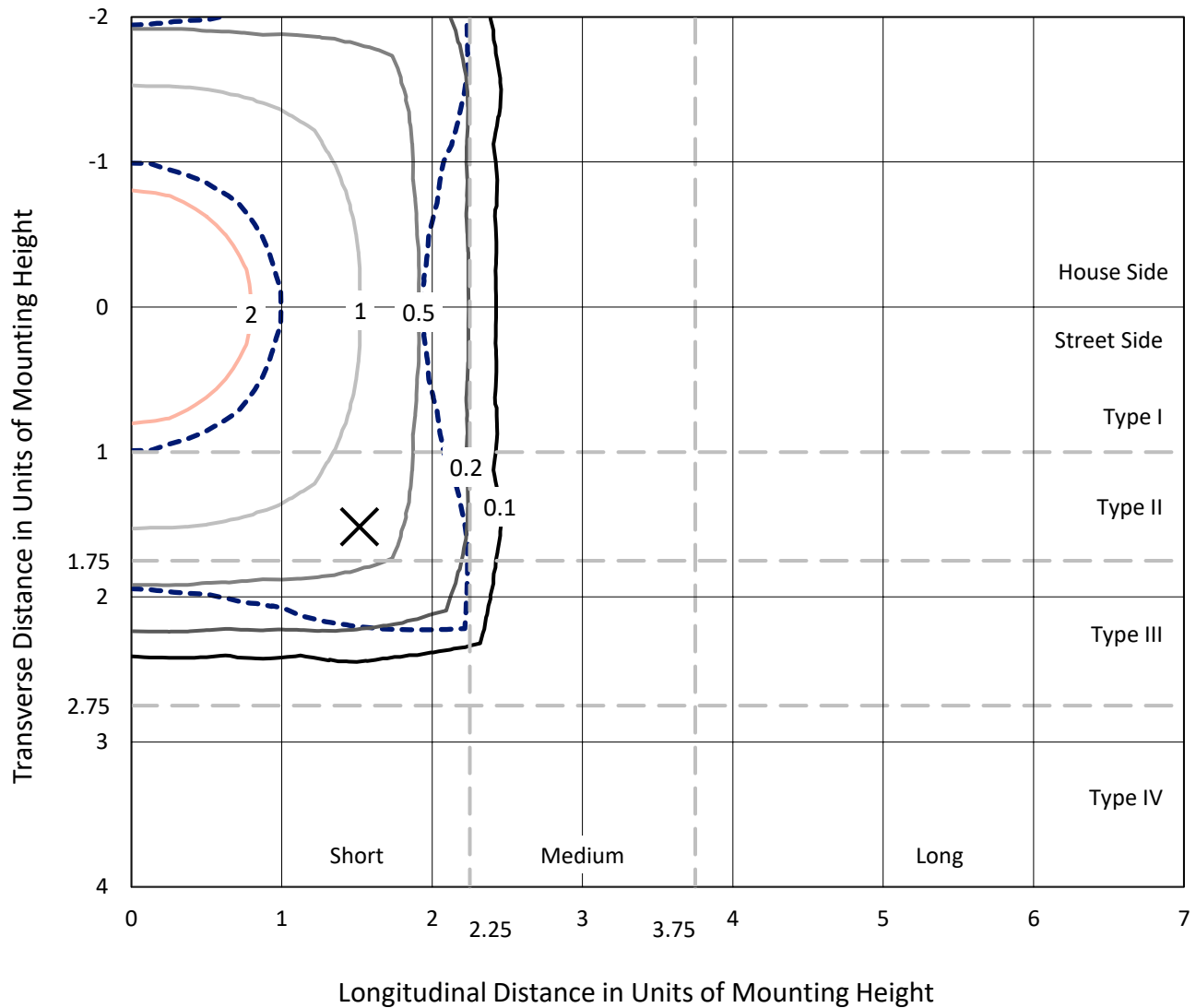


REPORT NUMBER: P946973

CATALOG NUMBER: GALN-SB2C-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

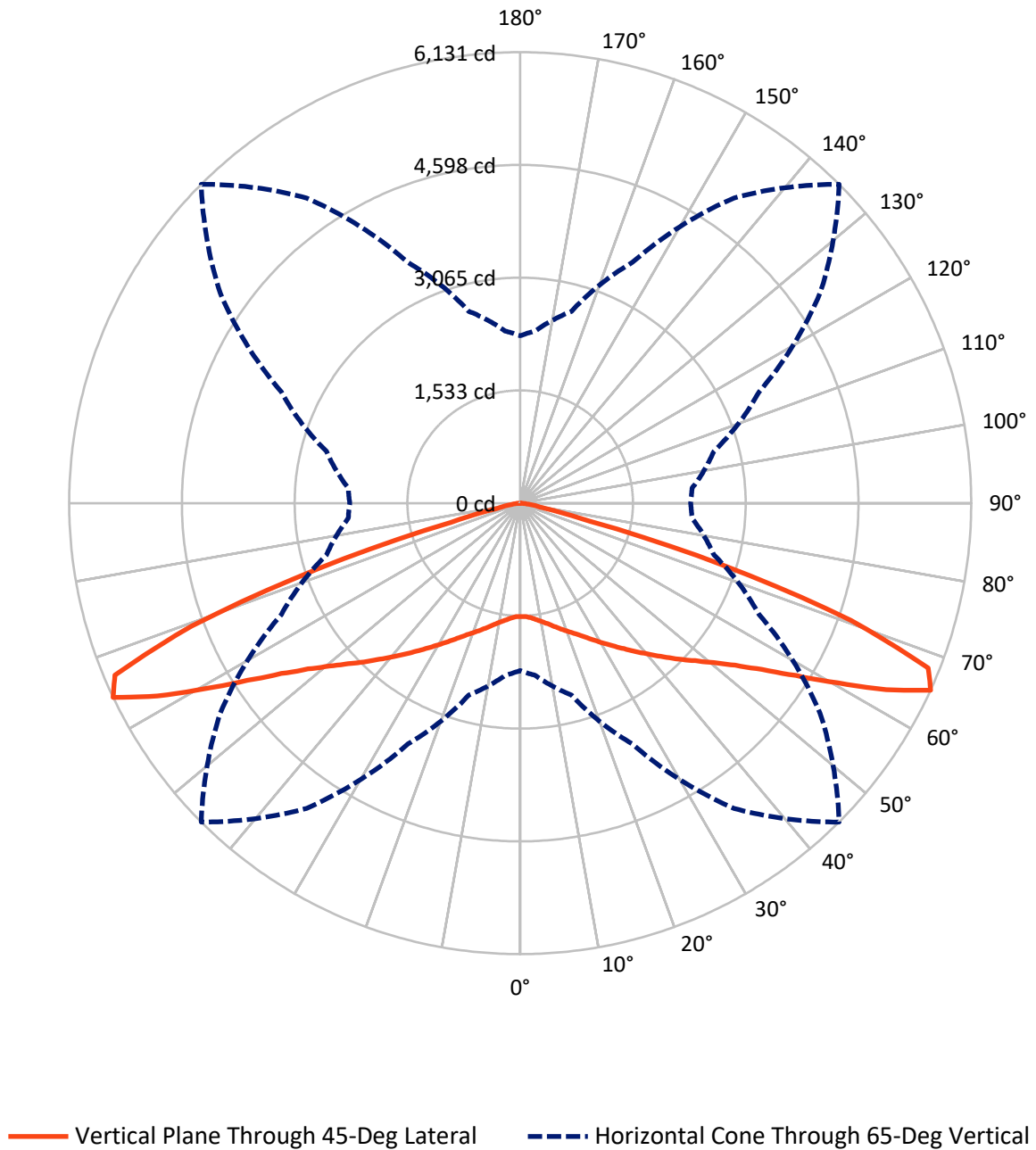


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - N/A

REPORT NUMBER: P946973

CATALOG NUMBER: GALN-SB2C-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P946973

CATALOG NUMBER: GALN-SB2C-722-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6482.5	0.0	6482.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6482.5	0.0	6482.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12965.0	0.0	12965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.2
10°-20°	496.9	3.8
20°-30°	938.2	7.2
30°-40°	1536.2	11.8
40°-50°	2381.9	18.4
50°-60°	3518.6	27.1
60°-70°	3349.4	25.8
70°-80°	540.5	4.2
80°-90°	50.9	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°	12965.0	100.0
0°-180°	12965.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946973

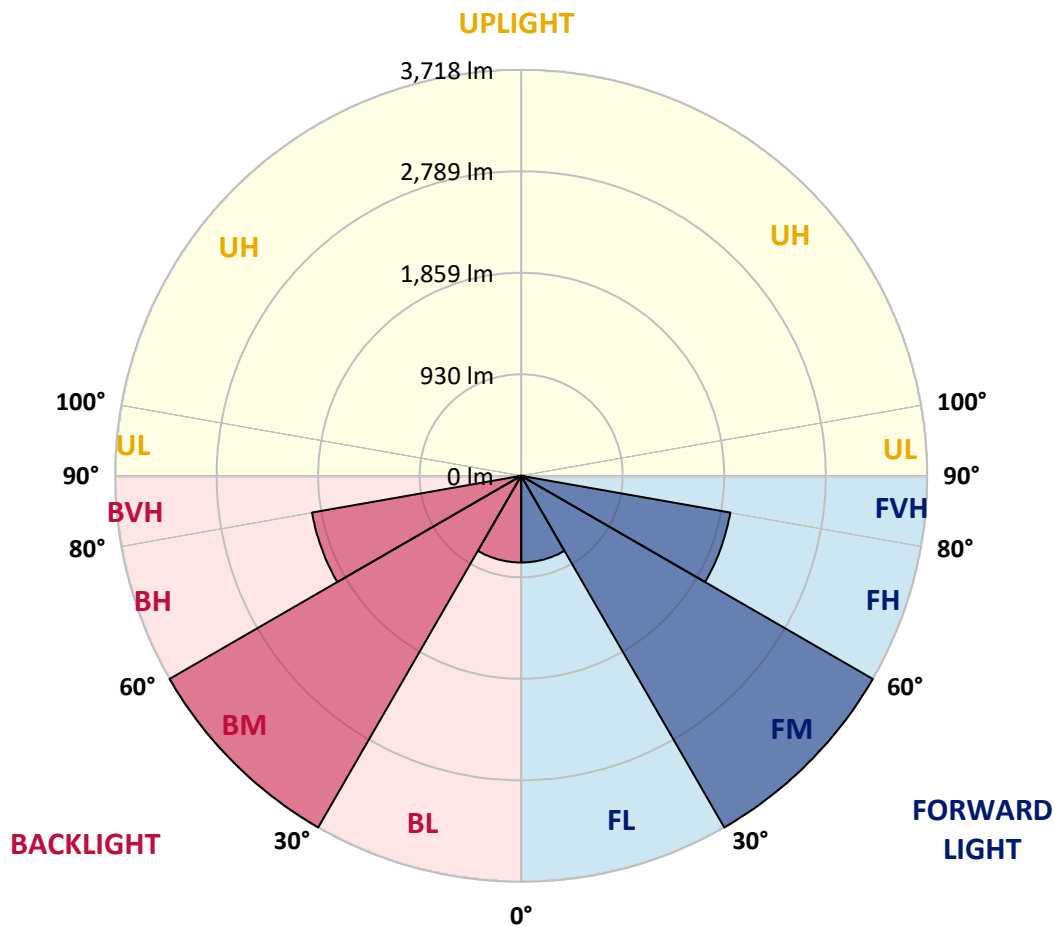
CATALOG NUMBER: GALN-SB2C-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	793.7	6.1			
FM	(30°-60°)	3718.4	28.7			
FH	(60°-80°)	1944.9	15.0			G2/5000
FVH	(80°-90°)	25.5	0.2			G1/100
BL	(0°-30°)	793.7	6.1	B2/1000		
BM	(30°-60°)	3718.4	28.7	B3/5000		
BH	(60°-80°)	1944.9	15.0	B3/2500		G2/5000
BVH	(80°-90°)	25.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



REPORT NUMBER: P946973

CATALOG NUMBER: GALN-SB2C-722-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0	1543.0
2.5°	1553.4	1548.2	1552.1	1548.8	1546.2	1543.6	1544.9	1549.5	1551.4	1552.1	1552.1
5°	1574.2	1569.6	1571.6	1571.6	1567.0	1565.7	1566.4	1569.6	1573.5	1573.5	1573.5
7.5°	1608.0	1603.5	1608.0	1605.4	1601.5	1600.2	1599.6	1602.2	1608.0	1608.0	1606.1
10°	1649.0	1643.8	1646.4	1645.1	1640.5	1638.6	1637.9	1641.8	1647.0	1646.4	1645.1
12.5°	1693.9	1688.0	1691.3	1687.4	1686.1	1684.1	1684.1	1683.5	1686.7	1684.1	1685.4
15°	1744.0	1740.1	1741.4	1738.8	1740.7	1739.4	1734.2	1731.6	1732.9	1729.0	1729.7
17.5°	1803.2	1794.1	1798.6	1797.3	1797.3	1799.9	1791.5	1788.2	1790.8	1786.9	1790.2
20°	1871.5	1862.4	1864.3	1861.7	1858.5	1861.1	1850.6	1853.2	1855.2	1852.6	1858.5
22.5°	1946.3	1934.6	1933.9	1935.2	1928.1	1928.7	1921.6	1928.1	1932.0	1924.8	1932.0
25°	2023.0	2010.7	2019.1	2015.9	2006.8	2008.7	2003.5	2010.0	2013.3	2004.2	2014.6
27.5°	2104.3	2095.9	2103.7	2105.6	2094.6	2102.4	2094.6	2100.4	2103.7	2090.0	2100.4
30°	2199.3	2190.9	2198.0	2203.2	2190.2	2202.6	2196.1	2200.0	2200.6	2184.3	2194.1
32.5°	2302.7	2289.7	2307.9	2310.5	2296.2	2311.2	2302.7	2307.9	2311.2	2289.1	2304.0
35°	2428.9	2412.7	2433.5	2430.2	2417.9	2430.2	2422.4	2430.2	2438.0	2411.4	2427.6
37.5°	2564.9	2548.0	2570.1	2564.2	2552.5	2561.0	2556.4	2561.6	2574.0	2545.4	2562.9
40°	2714.5	2693.7	2723.6	2713.2	2702.1	2700.8	2703.4	2706.7	2723.0	2691.1	2701.5
42.5°	2874.5	2852.4	2897.3	2881.0	2865.4	2855.0	2863.5	2870.0	2885.6	2849.8	2868.7
45°	3057.3	3031.9	3090.5	3071.0	3046.2	3024.8	3038.4	3048.2	3071.0	3028.0	3050.2
47.5°	3259.0	3230.3	3292.8	3286.9	3246.6	3199.8	3231.0	3259.0	3275.9	3223.8	3241.4
50°	3456.1	3433.9	3515.9	3523.1	3473.6	3407.9	3451.5	3493.8	3498.3	3430.0	3438.5
52.5°	3640.8	3618.7	3737.7	3782.6	3738.4	3660.3	3706.5	3749.4	3715.0	3626.5	3629.1
55°	3788.5	3770.2	3921.8	4037.6	4052.6	3988.2	4015.5	4014.2	3901.0	3765.0	3769.6
57.5°	3824.2	3821.6	4012.9	4258.1	4414.2	4422.0	4368.0	4230.1	3986.2	3803.4	3791.7
60°	3661.6	3677.9	3940.7	4373.3	4789.6	4962.6	4729.1	4335.5	3889.3	3635.6	3605.7
62.5°	3175.0	3218.0	3534.8	4232.7	5092.7	5584.5	5018.5	4175.5	3491.2	3160.1	3140.6
65°	2275.4	2350.2	2700.2	3612.2	5065.4	6130.9	4976.9	3582.9	2726.2	2344.4	2316.4
67.5°	1032.3	1108.4	1405.7	2473.2	4403.2	5982.6	4392.8	2499.2	1476.0	1112.3	1096.1
70°	374.0	387.0	482.7	990.0	2814.0	4766.8	2934.4	997.2	513.2	412.4	407.2
72.5°	226.4	228.3	248.5	354.5	977.7	2894.0	1019.3	366.2	253.7	225.1	229.0
75°	143.8	142.5	176.9	216.6	346.7	976.4	363.6	216.6	176.3	160.7	162.0
77.5°	103.4	106.7	126.8	162.0	218.6	331.1	214.7	154.8	126.8	104.1	106.0
80°	77.4	79.4	92.4	126.2	153.5	206.2	136.6	114.5	95.6	65.0	67.0
82.5°	55.9	55.9	60.5	91.7	93.7	111.2	74.2	80.7	63.1	46.2	46.2
85°	33.2	32.5	37.7	54.6	48.8	41.0	33.8	49.4	39.7	28.6	28.0
87.5°	11.7	12.4	11.7	15.6	13.0	11.1	10.4	13.7	11.1	9.8	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)