

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: P948044

Luminaire Tested: **GALN-SB3B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948044
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-SB3B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14625 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 109.2
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

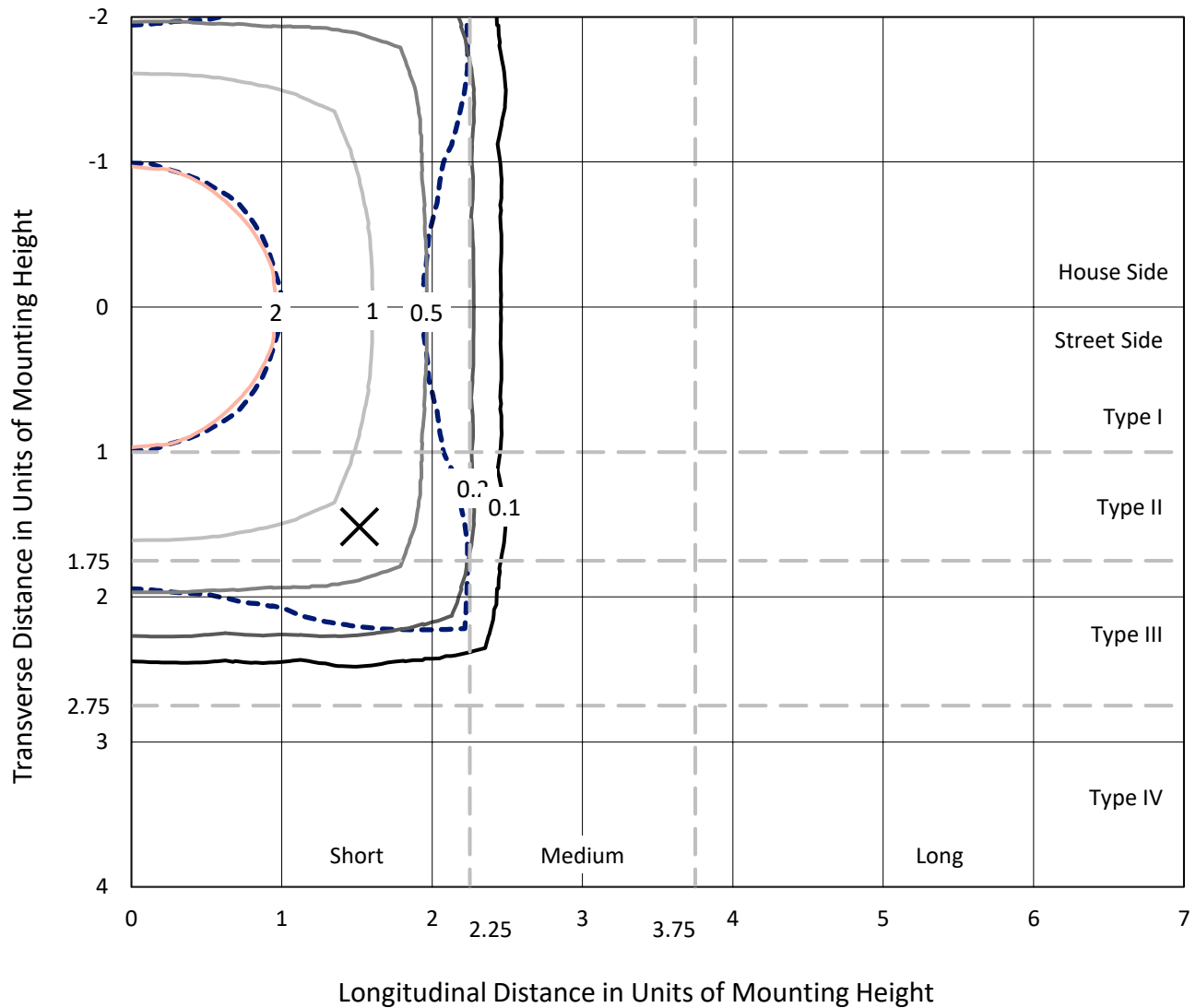


REPORT NUMBER: P948044

CATALOG NUMBER: GALN-SB3B-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

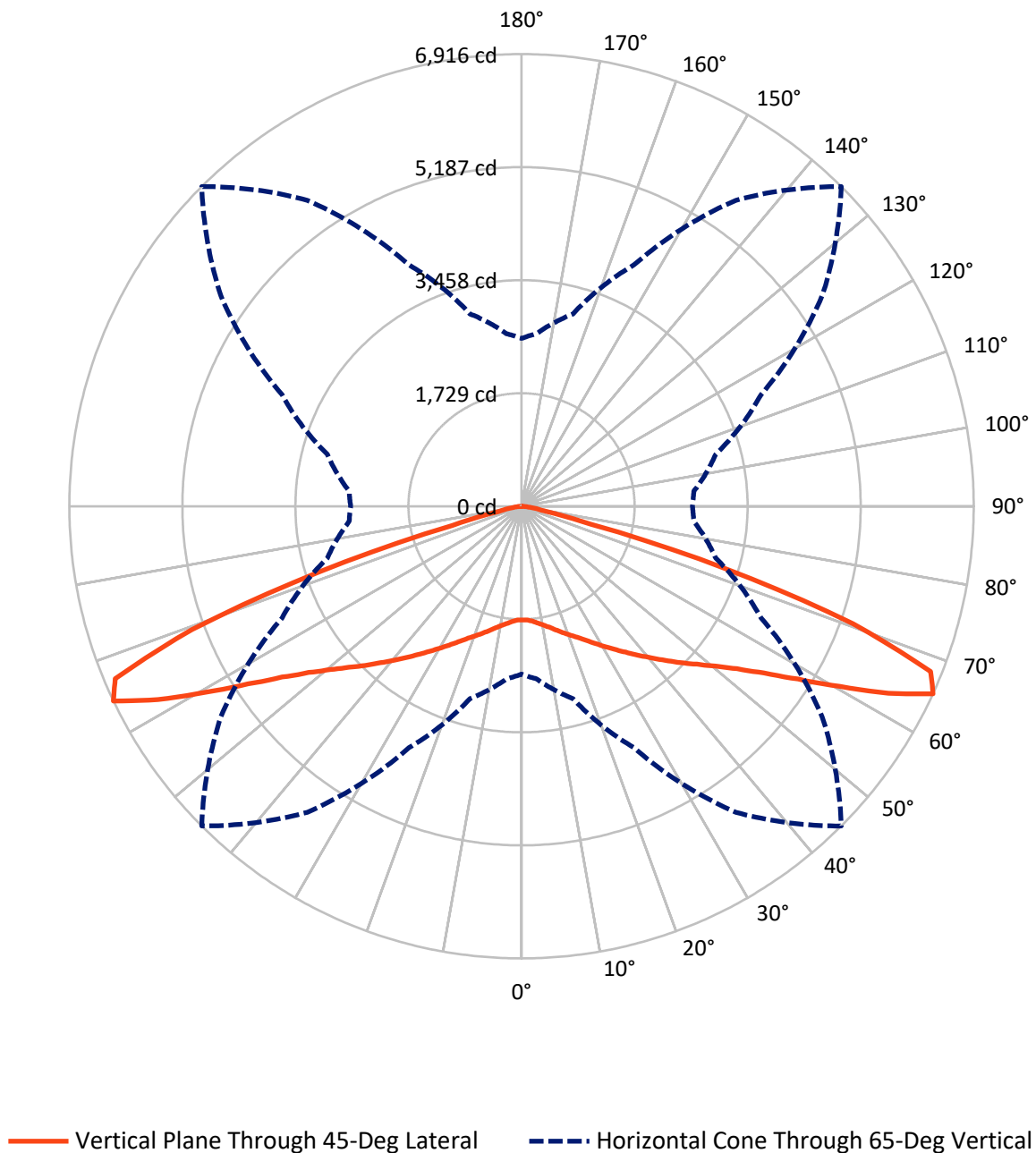


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

REPORT NUMBER: P948044

CATALOG NUMBER: GALN-SB3B-722-U-5NQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7312.5	0.0	7312.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7312.5	0.0	7312.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14625.0	0.0	14625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	1.2
10°-20°	560.5	3.8
20°-30°	1058.3	7.2
30°-40°	1732.9	11.8
40°-50°	2686.9	18.4
50°-60°	3969.2	27.1
60°-70°	3778.3	25.8
70°-80°	609.7	4.2
80°-90°	57.5	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°	14625.0	100.0
0°-180°	14625.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948044

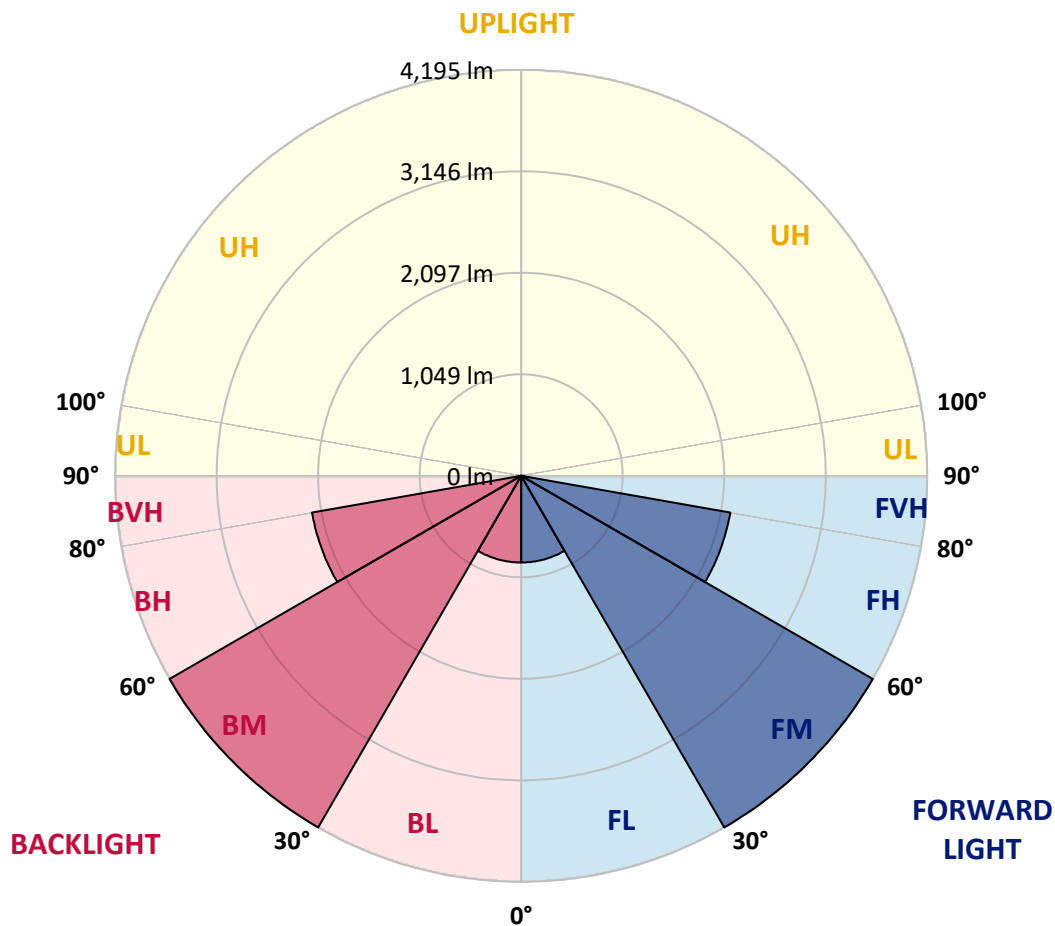
CATALOG NUMBER: GALN-SB3B-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	895.3	6.1			
FM	(30°-60°)	4194.5	28.7			
FH	(60°-80°)	2194.0	15.0			G2/5000
FVH	(80°-90°)	28.7	0.2			G1/100
BL	(0°-30°)	895.3	6.1	B2/1000		
BM	(30°-60°)	4194.5	28.7	B3/5000		
BH	(60°-80°)	2194.0	15.0	B3/2500		G2/5000
BVH	(80°-90°)	28.7	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: P948044

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5	1740.5
2.5°	1752.3	1746.4	1750.8	1747.1	1744.2	1741.3	1742.7	1747.9	1750.1	1750.8	1750.8
5°	1775.7	1770.6	1772.8	1772.8	1767.7	1766.2	1766.9	1770.6	1775.0	1775.0	1775.0
7.5°	1813.9	1808.8	1813.9	1811.0	1806.6	1805.1	1804.4	1807.3	1813.9	1813.9	1811.7
10°	1860.1	1854.3	1857.2	1855.7	1850.6	1848.4	1847.7	1852.1	1857.9	1857.2	1855.7
12.5°	1910.8	1904.2	1907.8	1903.4	1902.0	1899.8	1899.8	1899.0	1902.7	1899.8	1901.2
15°	1967.3	1962.9	1964.3	1961.4	1963.6	1962.1	1956.3	1953.3	1954.8	1950.4	1951.1
17.5°	2034.0	2023.8	2028.9	2027.4	2027.4	2030.4	2020.8	2017.2	2020.1	2015.7	2019.4
20°	2111.1	2100.8	2103.0	2100.1	2096.4	2099.3	2087.6	2090.5	2092.7	2089.8	2096.4
22.5°	2195.5	2182.3	2181.5	2183.0	2174.9	2175.7	2167.6	2174.9	2179.3	2171.2	2179.3
25°	2282.0	2268.1	2277.6	2274.0	2263.7	2265.9	2260.0	2267.4	2271.0	2260.8	2272.5
27.5°	2373.8	2364.2	2373.0	2375.2	2362.8	2371.6	2362.8	2369.4	2373.0	2357.6	2369.4
30°	2480.9	2471.4	2479.4	2485.3	2470.6	2484.6	2477.2	2481.6	2482.4	2464.0	2475.0
32.5°	2597.6	2582.9	2603.4	2606.4	2590.2	2607.1	2597.6	2603.4	2607.1	2582.2	2599.0
35°	2739.9	2721.6	2745.1	2741.4	2727.5	2741.4	2732.6	2741.4	2750.2	2720.1	2738.5
37.5°	2893.3	2874.2	2899.2	2892.6	2879.3	2888.9	2883.7	2889.6	2903.6	2871.3	2891.1
40°	3062.1	3038.6	3072.3	3060.6	3048.1	3046.6	3049.6	3053.3	3071.6	3035.6	3047.4
42.5°	3242.6	3217.6	3268.2	3249.9	3232.3	3220.6	3230.1	3237.4	3255.0	3214.7	3236.0
45°	3448.8	3420.1	3486.2	3464.2	3436.3	3412.1	3427.5	3438.5	3464.2	3415.7	3440.7
47.5°	3676.2	3643.9	3714.4	3707.8	3662.3	3609.5	3644.7	3676.2	3695.3	3636.6	3656.4
50°	3898.6	3873.6	3966.1	3974.1	3918.4	3844.3	3893.4	3941.1	3946.3	3869.2	3878.8
52.5°	4107.0	4082.0	4216.3	4266.9	4217.0	4129.0	4181.1	4229.5	4190.6	4090.8	4093.7
55°	4273.5	4253.0	4423.9	4554.6	4571.4	4498.8	4529.6	4528.1	4400.5	4247.1	4252.2
57.5°	4313.9	4310.9	4526.7	4803.3	4979.4	4988.2	4927.3	4771.8	4496.6	4290.4	4277.2
60°	4130.4	4148.8	4445.2	4933.2	5402.8	5598.0	5334.6	4890.6	4387.3	4101.1	4067.3
62.5°	3581.6	3630.0	3987.3	4774.7	5744.7	6299.5	5661.1	4710.1	3938.2	3564.7	3542.7
65°	2566.8	2651.1	3045.9	4074.7	5713.9	6915.9	5614.1	4041.6	3075.3	2644.5	2613.0
67.5°	1164.5	1250.4	1585.7	2789.8	4966.9	6748.6	4955.2	2819.2	1664.9	1254.8	1236.4
70°	421.9	436.6	544.5	1116.8	3174.3	5377.1	3310.1	1124.9	579.0	465.2	459.3
72.5°	255.4	257.6	280.3	399.9	1102.9	3264.6	1149.8	413.1	286.2	253.9	258.3
75°	162.2	160.7	199.6	244.3	391.1	1101.4	410.2	244.3	198.9	181.2	182.7
77.5°	116.7	120.3	143.1	182.7	246.5	373.5	242.1	174.6	143.1	117.4	119.6
80°	87.3	89.5	104.2	142.4	173.2	232.6	154.1	129.1	107.9	73.4	75.6
82.5°	63.1	63.1	68.2	103.5	105.7	125.5	83.7	91.0	71.2	52.1	52.1
85°	37.4	36.7	42.6	61.6	55.0	46.2	38.2	55.8	44.8	32.3	31.6
87.5°	13.2	13.9	13.2	17.6	14.7	12.5	11.7	15.4	12.5	11.0	10.3
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)