

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: P940450

Luminaire Tested: **GALN-SB3C-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940450
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-SB3C-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24046 lumens
Efficiency: N/A
Efficacy: 161.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

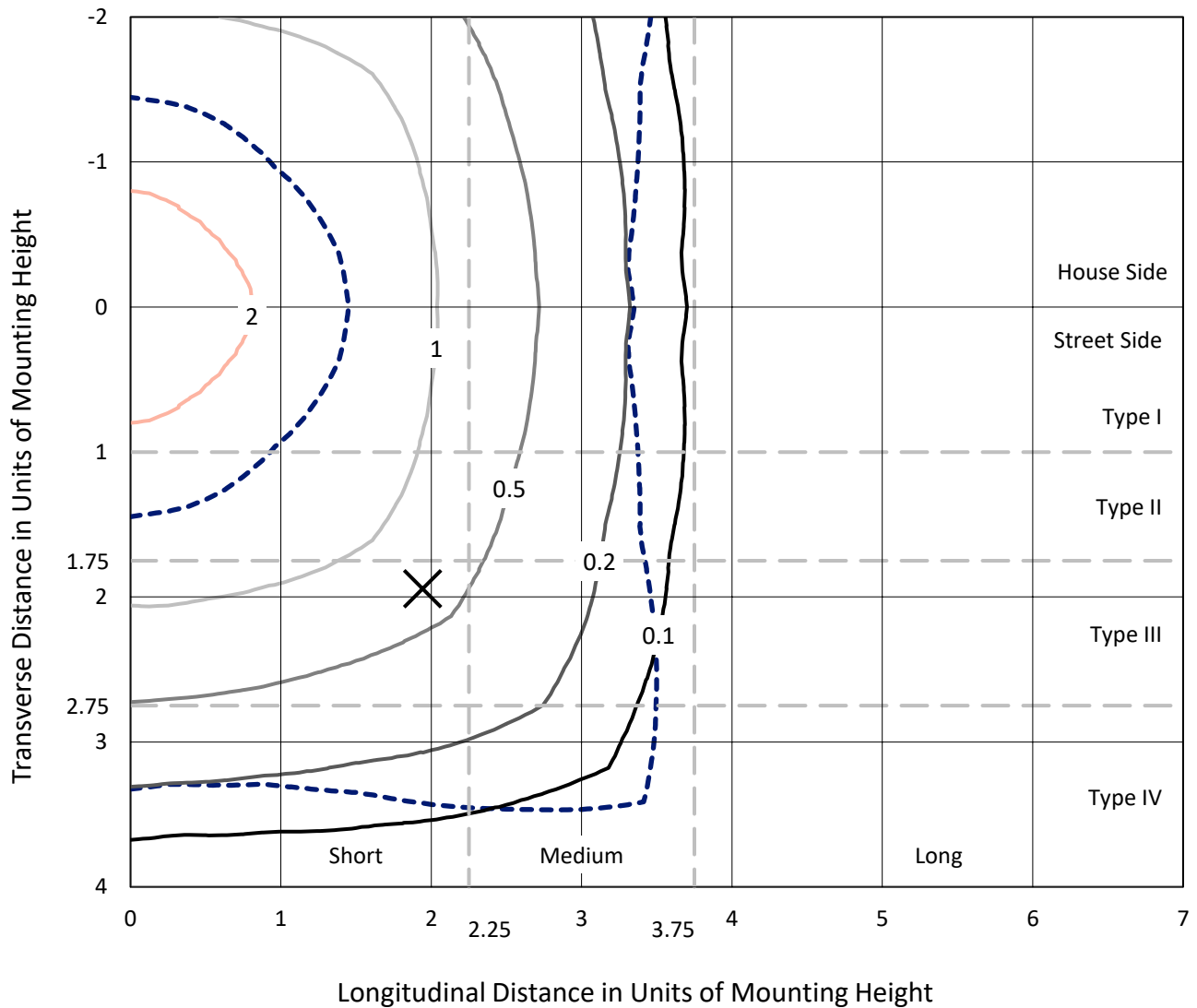
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940450
 CATALOG NUMBER: GALN-SB3C-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

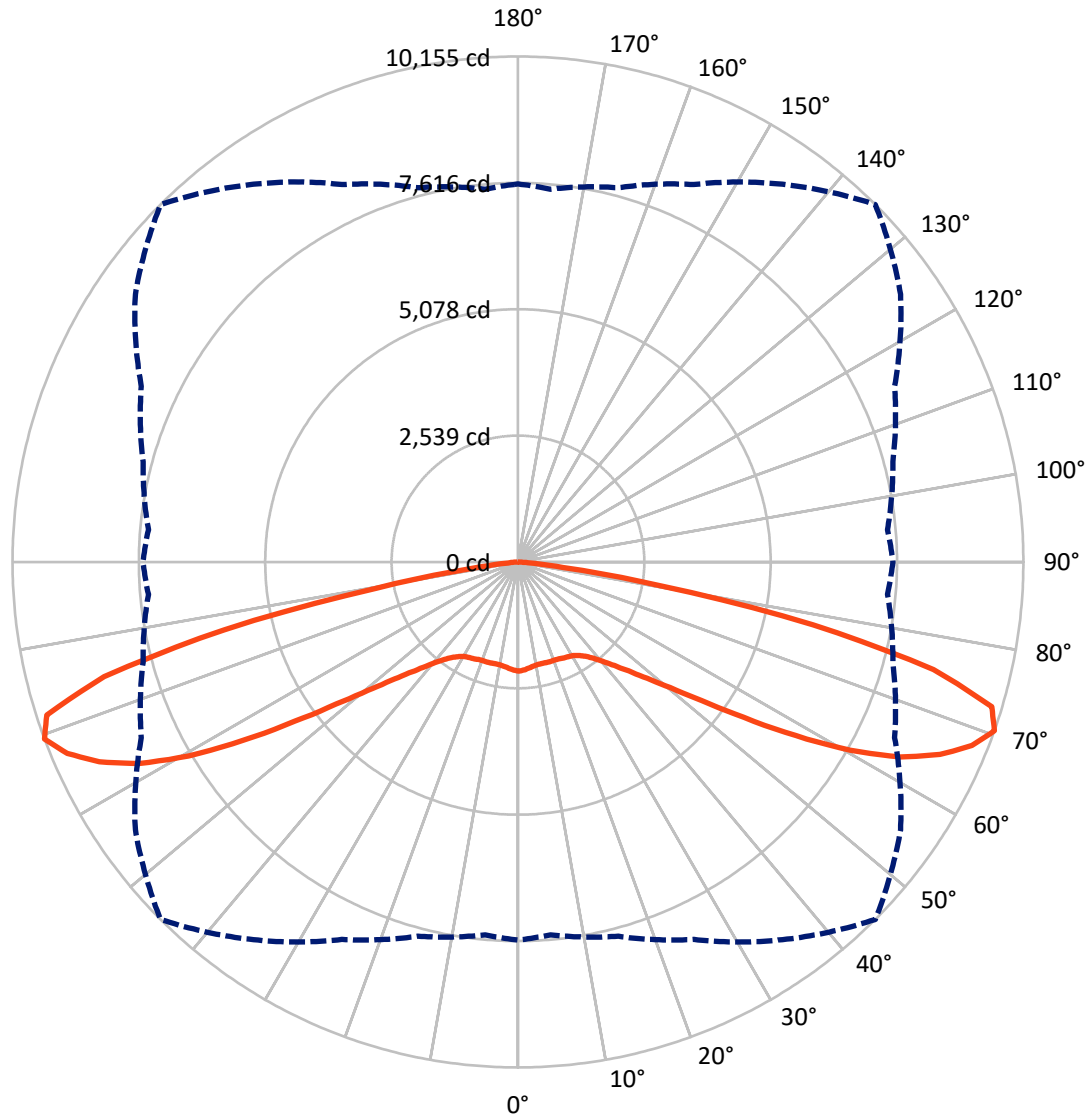
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P940450
CATALOG NUMBER: GALN-SB3C-740-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P940450
 CATALOG NUMBER: GALN-SB3C-740-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12023.0	0.0	12023.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12023.0	0.0	12023.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24046.0	0.0	24046.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.0	0.8
10°-20°	599.1	2.5
20°-30°	997.0	4.1
30°-40°	1507.8	6.3
40°-50°	2505.6	10.4
50°-60°	4728.0	19.7
60°-70°	7983.5	33.2
70°-80°	5246.0	21.8
80°-90°	274.8	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°	24046.0	100.0
0°-180°	24046.0	100.0



REPORT NUMBER: P940450

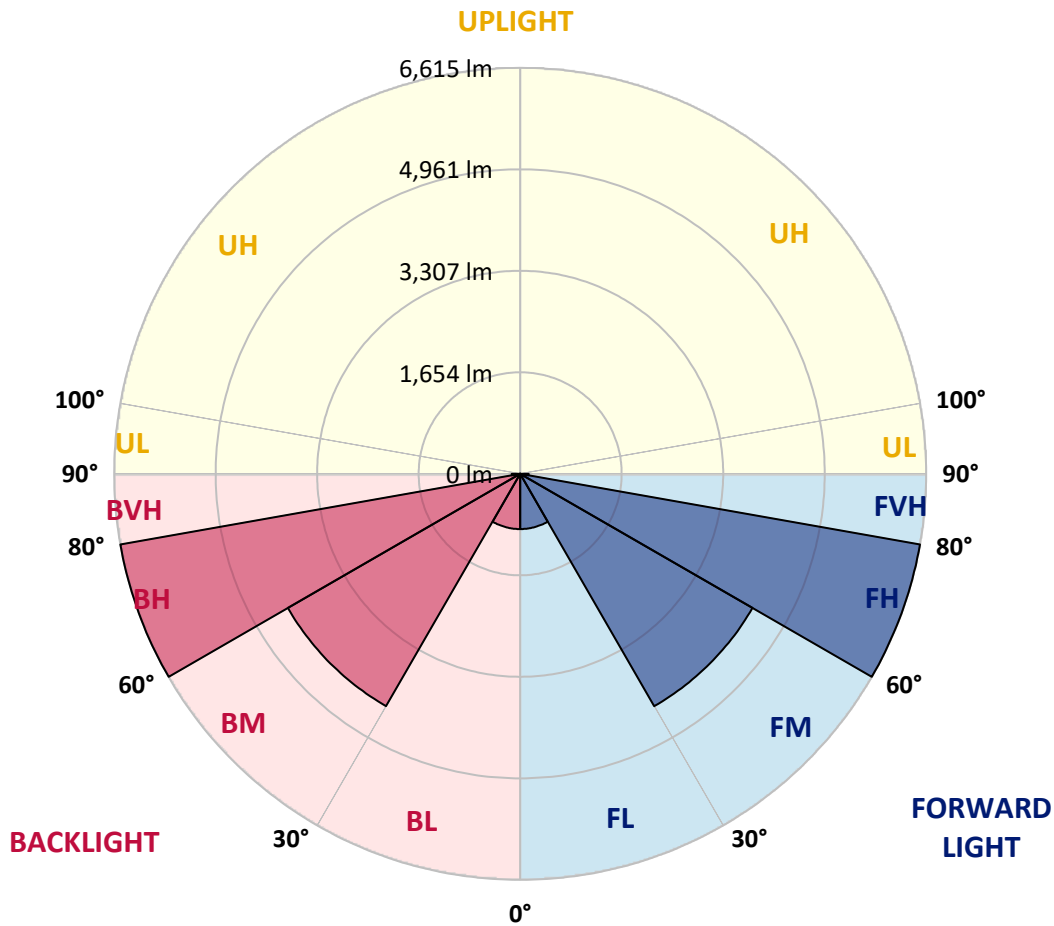
CATALOG NUMBER: GALN-SB3C-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	900.1	3.7			
FM (30°-60°)	4370.8	18.2			
FH (60°-80°)	6614.7	27.5			G3/7500
FVH (80°-90°)	137.4	0.6			G2/225
BL (0°-30°)	900.1	3.7	B2/1000		
BM (30°-60°)	4370.8	18.2	B3/5000		
BH (60°-80°)	6614.7	27.5	B5		G3/7500
BVH (80°-90°)	137.4	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: P940450
 CATALOG NUMBER: GALN-SB3C-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2193.5	2193.5	2193.5	2193.5	2193.5	2193.5	2193.5	2193.5	2193.5	2193.5
2.5°	2179.7	2186.0	2183.5	2178.5	2178.5	2174.7	2178.5	2181.0	2184.7	2187.2
5°	2151.0	2156.0	2154.7	2151.0	2152.2	2148.5	2151.0	2154.7	2157.2	2158.5
7.5°	2126.0	2131.0	2128.5	2122.2	2122.2	2118.5	2119.7	2123.5	2127.2	2128.5
10°	2119.7	2124.7	2117.2	2107.2	2103.5	2098.5	2099.7	2103.5	2111.0	2114.7
12.5°	2122.2	2126.0	2118.5	2103.5	2099.7	2094.7	2094.7	2098.5	2108.5	2113.5
15°	2129.7	2133.5	2122.2	2106.0	2102.2	2098.5	2097.2	2102.2	2113.5	2122.2
17.5°	2143.5	2147.2	2129.7	2107.2	2102.2	2103.5	2102.2	2106.0	2123.5	2139.7
20°	2156.0	2158.5	2134.7	2107.2	2102.2	2103.5	2102.2	2109.7	2132.2	2154.7
22.5°	2159.7	2162.2	2139.7	2116.0	2112.2	2113.5	2112.2	2119.7	2141.0	2163.5
25°	2161.0	2164.7	2147.2	2128.5	2134.7	2137.2	2134.7	2136.0	2152.2	2172.2
27.5°	2179.7	2184.7	2168.5	2152.2	2156.0	2154.7	2158.5	2162.2	2174.7	2194.7
30°	2218.5	2222.2	2208.5	2192.2	2189.7	2181.0	2192.2	2204.7	2218.5	2236.0
32.5°	2282.2	2289.7	2272.2	2254.7	2243.5	2238.5	2247.2	2268.5	2287.2	2306.0
35°	2388.5	2393.5	2377.2	2344.7	2324.7	2324.7	2332.2	2359.7	2389.7	2413.5
37.5°	2538.4	2544.7	2515.9	2477.2	2447.2	2447.2	2457.2	2485.9	2530.9	2564.7
40°	2720.9	2729.7	2693.4	2653.4	2624.7	2619.7	2632.2	2664.7	2707.2	2749.7
42.5°	2940.9	2950.9	2903.4	2868.4	2845.9	2845.9	2852.1	2882.1	2920.9	2973.4
45°	3222.1	3239.6	3174.6	3139.6	3118.4	3123.4	3127.1	3153.4	3188.4	3248.3
47.5°	3557.1	3574.6	3505.8	3469.6	3465.8	3489.6	3474.6	3493.3	3512.1	3580.8
50°	3937.0	3967.0	3919.5	3917.0	3924.5	3968.3	3933.3	3943.3	3922.0	3965.8
52.5°	4402.0	4445.7	4437.0	4452.0	4535.7	4625.7	4545.7	4510.7	4430.7	4444.5
55°	4965.6	5031.9	5044.4	5134.4	5324.3	5508.1	5338.1	5196.9	5026.9	4995.6
57.5°	5606.8	5659.3	5719.3	5903.0	6258.0	6584.2	6258.0	5945.5	5678.0	5614.3
60°	6296.7	6361.7	6419.2	6690.4	7217.9	7676.6	7207.9	6711.7	6358.0	6271.7
62.5°	7037.9	7121.6	7161.6	7462.8	8077.8	8625.2	8086.5	7485.3	7092.9	7000.4
65°	7749.0	7817.8	7862.8	8184.0	8771.4	9320.1	8811.4	8219.0	7815.3	7694.1
67.5°	8080.3	8117.7	8227.7	8591.4	9211.4	9837.5	9316.4	8630.2	8179.0	7966.5
70°	7595.3	7519.1	7784.0	8366.5	9263.9	10155.0	9383.8	8349.0	7796.5	7451.6
72.5°	5869.3	5738.0	6198.0	7194.1	8663.9	9952.5	8723.9	7250.4	6484.2	5784.3
75°	3193.4	3044.6	3679.5	4939.4	6909.1	8626.4	7067.9	5080.6	4097.0	3169.6
77.5°	901.1	844.9	1357.3	2389.7	4155.7	6056.8	4315.7	2442.2	1609.8	954.9
80°	276.2	267.5	362.5	719.9	1764.8	2900.9	1696.0	728.7	461.2	291.2
82.5°	163.7	150.0	180.0	262.5	449.9	911.1	437.4	273.7	220.0	147.5
85°	93.7	87.5	106.2	127.5	151.2	193.7	126.2	130.0	117.5	78.7
87.5°	38.7	35.0	41.2	40.0	35.0	45.0	33.7	40.0	47.5	31.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2193.5
2186.0
2158.5
2128.5
2114.7
2114.7
2123.5
2139.7
2156.0
2163.5
2171.0
2189.7
2232.2
2298.5
2404.7
2552.2
2735.9
2969.6
3245.8
3560.8
3939.5
4398.2
4946.9
5569.3
6196.7
6925.4
7634.1
7969.0
7534.1
5958.0
3375.8
1061.1
307.5
160.0
82.5
28.7
0.0

OF REPORT)