

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: P940563

Luminaire Tested: **GALN-SB3C-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16108 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

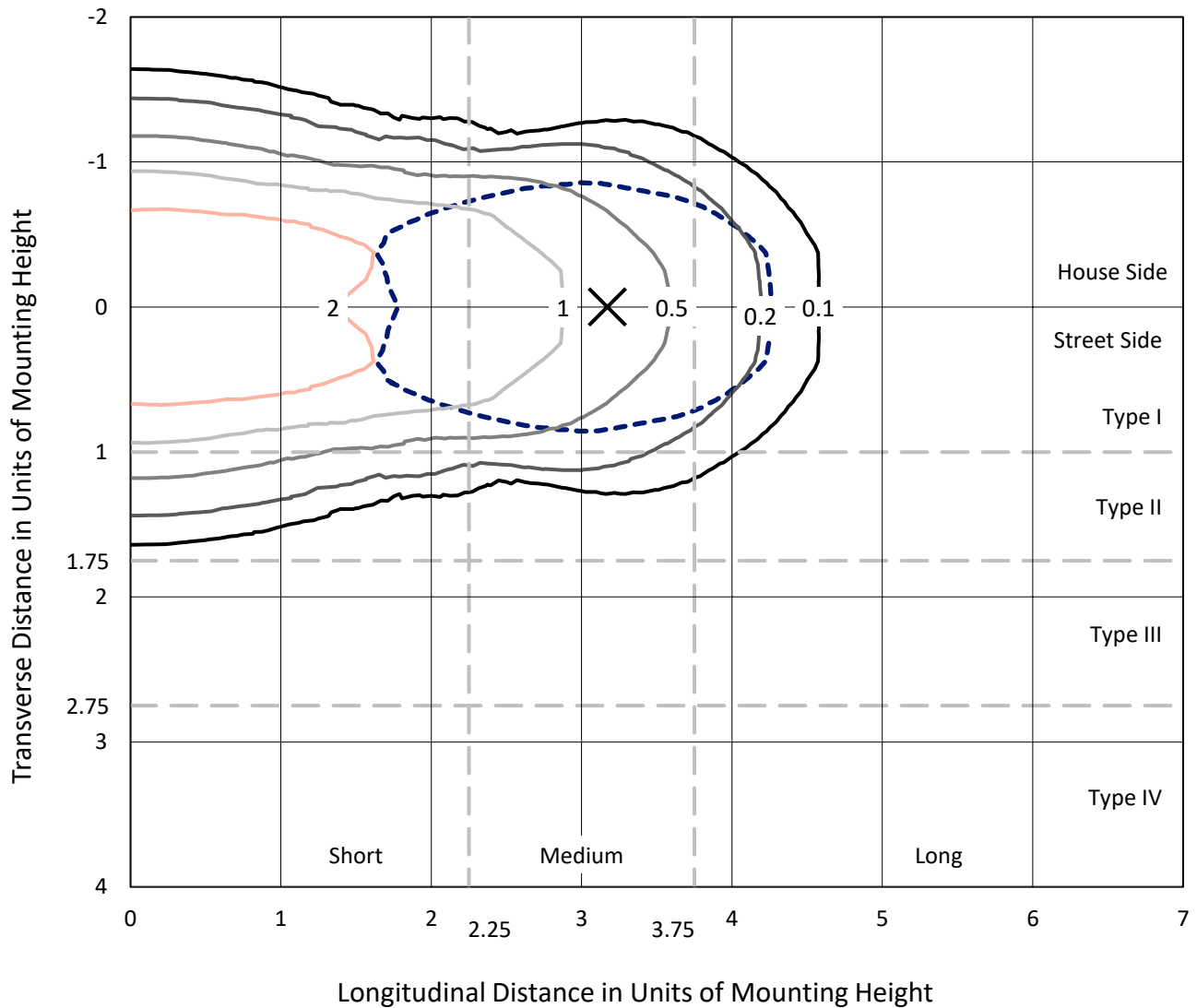
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GALN-SB3C-940-U-T1

Iso-Footcandle Lines of Horizontal Illumination

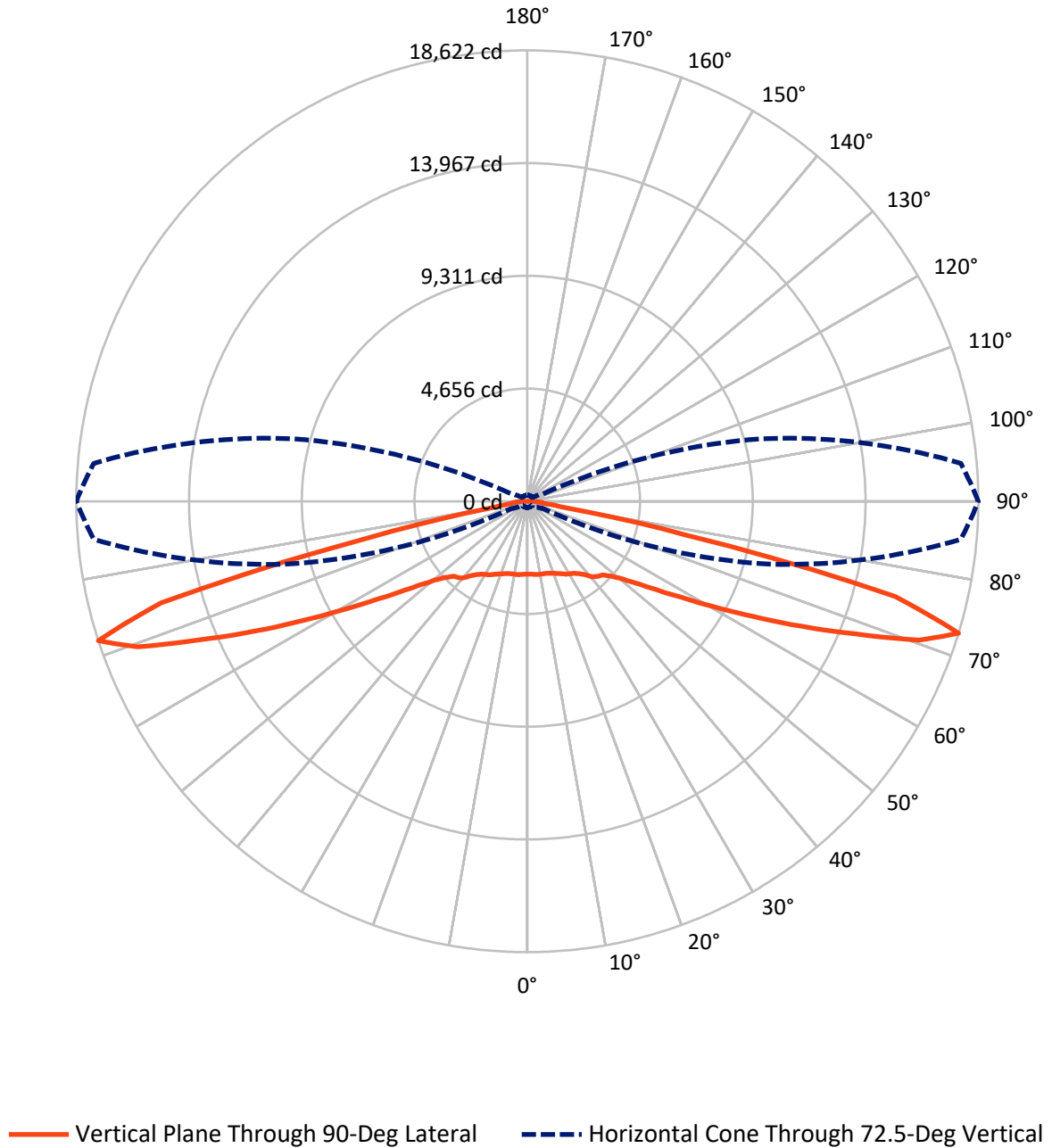
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type I - Short - N/A

REPORT NUMBER: P940563
CATALOG NUMBER: GALN-SB3C-940-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8054.0	0.0	8054.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8054.0	0.0	8054.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16108.0	0.0	16108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	1.8
10°-20°	892.4	5.5
20°-30°	1487.9	9.2
30°-40°	2046.4	12.7
40°-50°	2499.2	15.5
50°-60°	2890.6	17.9
60°-70°	3446.5	21.4
70°-80°	2405.4	14.9
80°-90°	147.7	0.9
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°	16108.0	100.0
0°-180°	16108.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940563

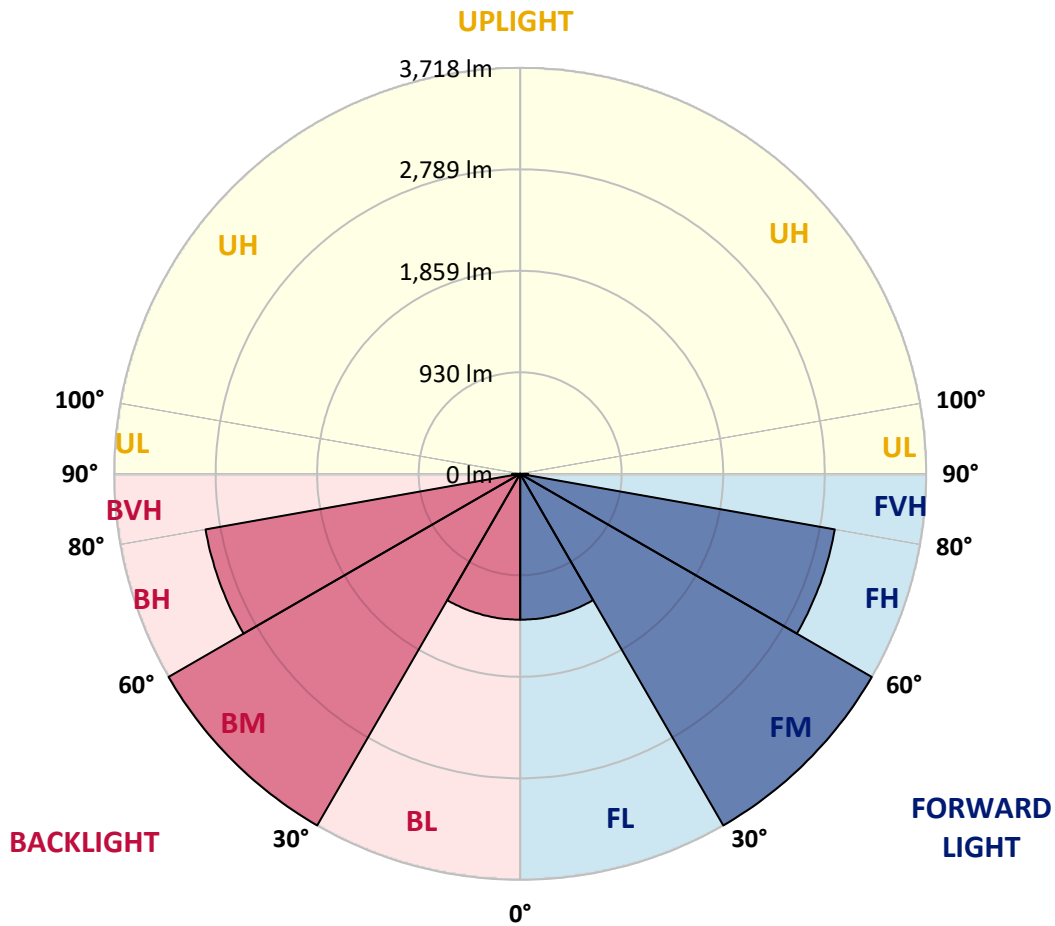
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1336.1	8.3			
FM (30°-60°)	3718.1	23.1			
FH (60°-80°)	2926.0	18.2			G2/5000
FVH (80°-90°)	73.9	0.5			G1/100
BL (0°-30°)	1336.1	8.3	B3/2500		
BM (30°-60°)	3718.1	23.1	B3/5000		
BH (60°-80°)	2926.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	73.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9	3009.9
2.5°	3012.5	3015.9	3015.9	3013.4	3019.4	3014.2	3014.2	3011.7	3014.2	3011.7
5°	3027.9	3032.2	3033.9	3033.1	3040.8	3036.5	3036.5	3033.1	3033.9	3031.4
7.5°	3057.0	3063.0	3066.5	3070.7	3081.9	3076.7	3073.3	3063.0	3058.7	3051.9
10°	3066.5	3073.3	3084.4	3106.7	3132.4	3133.2	3123.0	3097.3	3077.6	3062.2
12.5°	3037.3	3046.8	3069.9	3115.2	3172.6	3195.7	3179.5	3136.6	3098.1	3070.7
15°	3000.5	3010.8	3045.9	3114.4	3199.1	3253.1	3251.4	3194.9	3133.2	3090.4
17.5°	2943.2	2953.4	3004.0	3099.8	3219.7	3308.7	3332.7	3274.5	3188.0	3130.7
20°	2839.6	2849.0	2919.2	3053.6	3226.5	3367.8	3430.3	3378.9	3271.1	3193.1
22.5°	2705.2	2719.7	2801.9	2974.0	3210.3	3429.4	3541.6	3506.5	3367.8	3259.9
25°	2561.4	2576.8	2672.7	2876.4	3168.3	3473.9	3673.4	3651.1	3477.4	3343.0
27.5°	2437.2	2453.5	2557.9	2779.7	3103.3	3491.1	3803.5	3814.7	3610.1	3434.6
30°	2339.6	2355.1	2466.3	2701.8	3019.4	3473.9	3917.4	3994.4	3745.3	3514.2
32.5°	2232.6	2252.3	2369.6	2606.7	2920.1	3432.8	4016.7	4188.8	3902.0	3599.8
35°	2097.4	2115.4	2238.6	2476.6	2789.9	3366.9	4099.7	4404.5	4126.3	3729.9
37.5°	1933.0	1950.1	2072.6	2314.0	2660.7	3274.5	4163.1	4647.6	4393.4	3917.4
40°	1767.8	1784.1	1898.8	2132.5	2505.7	3156.3	4185.3	4885.6	4699.8	4175.1
42.5°	1616.3	1630.8	1736.1	1953.6	2331.9	3005.7	4156.2	5092.8	4974.6	4354.8
45°	1476.7	1489.6	1582.9	1785.8	2151.3	2822.5	4068.9	5315.4	5301.7	4483.3
47.5°	1317.5	1330.3	1427.1	1623.1	1970.7	2607.6	3920.8	5534.5	5756.2	4774.3
50°	1123.2	1134.3	1233.6	1435.6	1783.2	2379.0	3715.4	5706.6	6329.8	5215.2
52.5°	892.9	904.9	1001.6	1203.6	1560.6	2133.3	3444.8	5818.7	6992.4	5859.0
55°	664.3	672.9	756.8	938.3	1285.0	1853.4	3105.8	5850.4	7744.0	6739.0
57.5°	482.0	487.1	541.0	676.3	974.2	1503.3	2694.1	5768.2	8638.6	7867.3
60°	390.4	392.1	408.3	468.3	677.2	1107.8	2196.7	5485.7	9609.4	9321.8
62.5°	354.4	354.4	358.7	375.0	458.0	731.1	1594.9	4900.2	10650.4	11159.8
65°	329.6	329.6	331.3	339.0	361.3	465.7	1006.7	3946.5	11527.9	13312.8
67.5°	307.3	308.2	307.3	309.9	322.7	344.1	583.8	2725.7	12000.4	15543.7
70°	284.2	285.9	281.6	281.6	291.9	292.8	365.5	1494.7	11608.3	17413.4
72.5°	256.8	259.4	252.5	250.8	258.5	255.1	274.8	717.4	9966.4	17971.5
75°	232.9	236.3	220.9	216.6	216.6	214.0	223.4	368.1	6468.5	14660.2
77.5°	211.4	218.3	193.5	179.8	176.4	168.6	182.3	225.1	2829.3	6882.8
80°	174.6	184.1	159.2	143.0	137.0	128.4	143.8	157.5	841.5	1598.3
82.5°	130.1	134.4	113.0	101.9	96.7	90.7	107.9	109.6	273.9	565.9
85°	83.0	84.8	69.3	59.9	57.4	54.8	68.5	59.9	104.4	416.1
87.5°	29.1	33.4	26.5	24.0	25.7	21.4	31.7	18.0	29.1	293.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3009.9
3011.7
3031.4
3051.9
3059.6
3066.5
3083.6
3121.2
3178.6
3240.2
3315.6
3405.5
3472.2
3546.7
3670.8
3838.6
4091.2
4247.0
4337.7
4606.5
5004.6
5599.6
6414.5
7459.0
8807.3
10470.6
12441.3
14602.9
17166.0
18622.1
15680.7
6739.9
1530.7
639.5
604.4
363.8
0.0

OF REPORT)