

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: P951572

Luminaire Tested: **GALN-SB5C-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951572  
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-SB5C-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

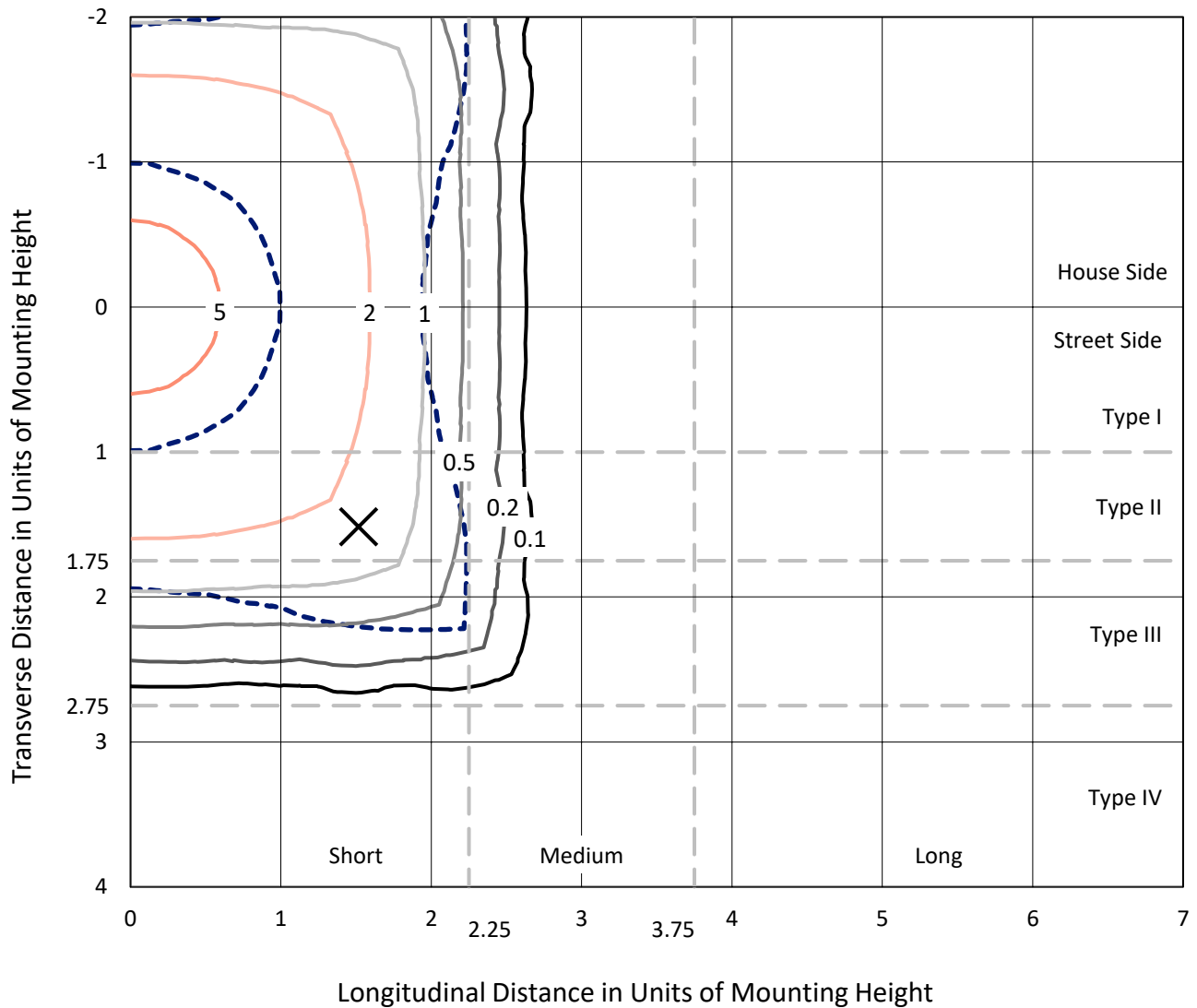
Lumens per Lamp: N/A  
Luminaire Lumens: 28726 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P951572  
 CATALOG NUMBER: GALN-SB5C-940-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

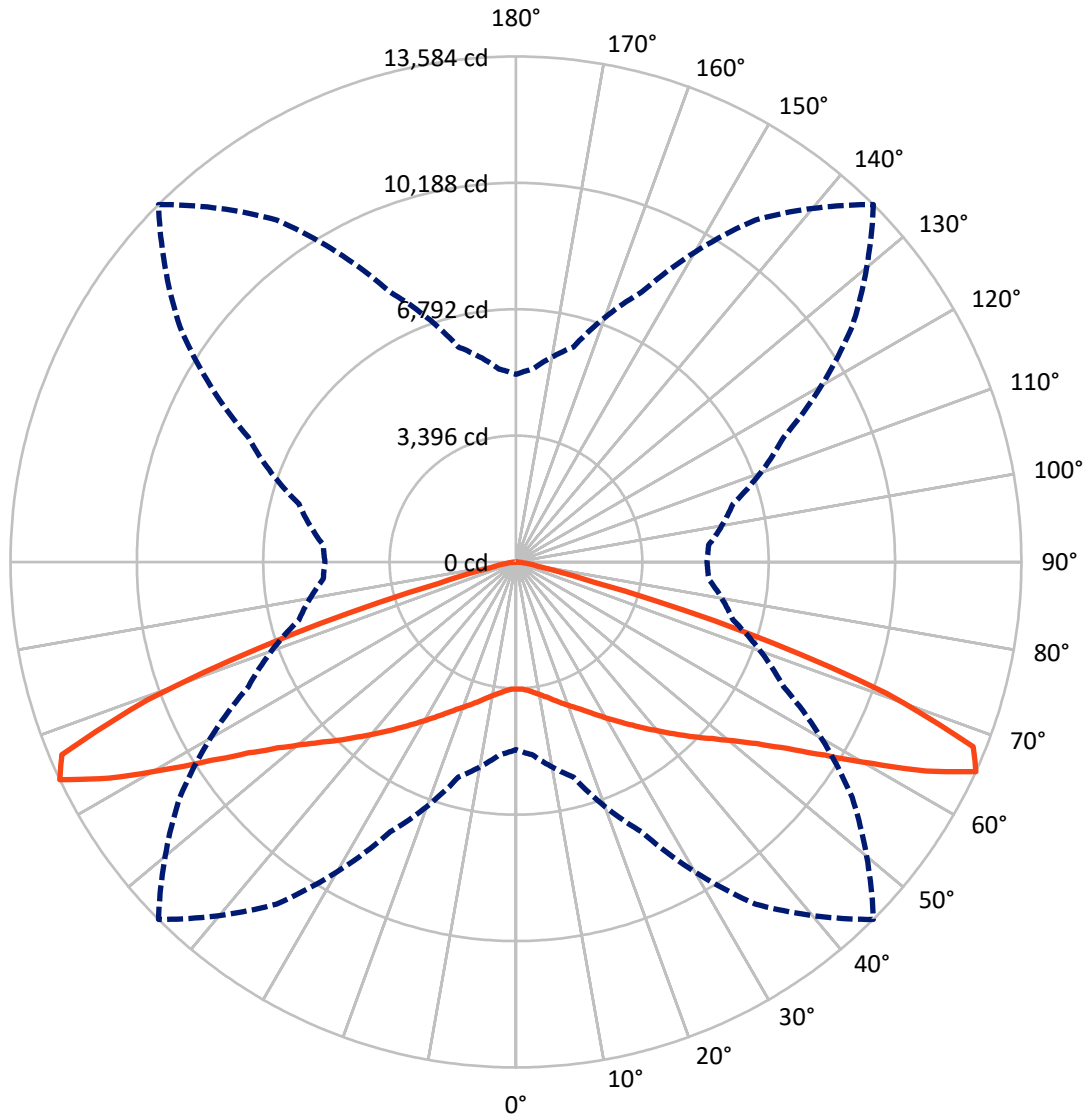
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P951572  
CATALOG NUMBER: GALN-SB5C-940-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P951572

CATALOG NUMBER: GALN-SB5C-940-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14363.0	0.0	14363.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14363.0	0.0	14363.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28726.0	0.0	28726.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	337.4	1.2
10°-20°	1100.9	3.8
20°-30°	2078.7	7.2
30°-40°	3403.8	11.8
40°-50°	5277.6	18.4
50°-60°	7796.1	27.1
60°-70°	7421.2	25.8
70°-80°	1197.5	4.2
80°-90°	112.9	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°	28726.0	100.0
0°-180°	28726.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P951572

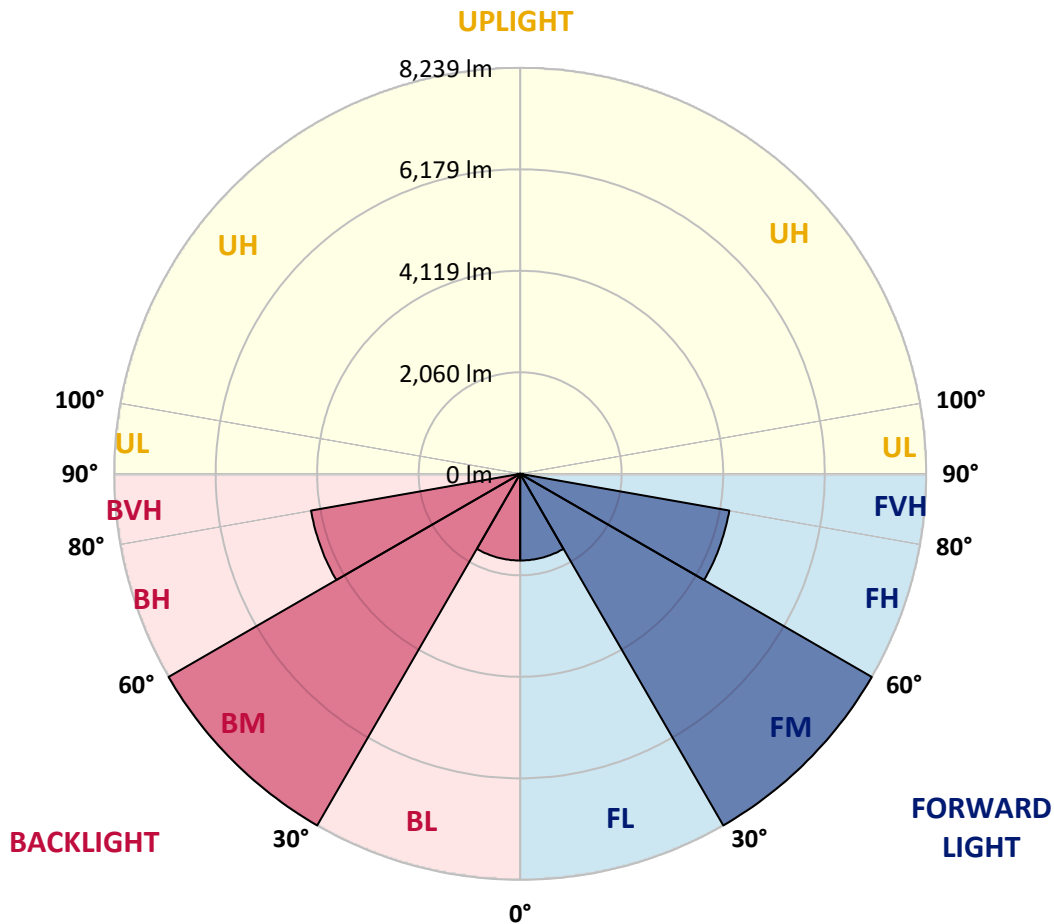
CATALOG NUMBER: GALN-SB5C-940-U-5NQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1758.5	6.1			
FM (30°-60°)	8238.7	28.7			
FH (60°-80°)	4309.3	15.0			G2/5000
FVH (80°-90°)	56.4	0.2			G1/100
BL (0°-30°)	1758.5	6.1	B3/2500		
BM (30°-60°)	8238.7	28.7	B4/8500		
BH (60°-80°)	4309.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	56.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



REPORT NUMBER: P951572  
 CATALOG NUMBER: GALN-SB5C-940-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7
2.5°	3441.7	3430.2	3438.9	3431.7	3425.9	3420.1	3423.0	3433.1	3437.4	3438.9
5°	3487.9	3477.8	3482.1	3482.1	3472.0	3469.1	3470.6	3477.8	3486.4	3486.4
7.5°	3562.8	3552.7	3562.8	3557.0	3548.4	3545.5	3544.1	3549.8	3562.8	3562.8
10°	3653.6	3642.1	3647.8	3645.0	3634.9	3630.5	3629.1	3637.8	3649.3	3647.8
12.5°	3753.1	3740.1	3747.3	3738.6	3735.8	3731.4	3731.4	3730.0	3737.2	3731.4
15°	3864.0	3855.4	3858.3	3852.5	3856.8	3853.9	3842.4	3836.6	3839.5	3830.9
17.5°	3995.2	3975.0	3985.1	3982.2	3982.2	3988.0	3969.2	3962.0	3967.8	3959.2
20°	4146.5	4126.3	4130.7	4124.9	4117.7	4123.5	4100.4	4106.2	4110.5	4104.7
22.5°	4312.3	4286.3	4284.9	4287.8	4271.9	4273.4	4257.5	4271.9	4280.6	4264.7
25°	4482.3	4455.0	4473.7	4466.5	4446.3	4450.6	4439.1	4453.5	4460.7	4440.5
27.5°	4662.5	4643.8	4661.1	4665.4	4640.9	4658.2	4640.9	4653.8	4661.1	4630.8
30°	4872.9	4854.2	4870.0	4881.6	4852.7	4880.1	4865.7	4874.4	4875.8	4839.8
32.5°	5102.1	5073.3	5113.6	5119.4	5087.7	5120.8	5102.1	5113.6	5120.8	5071.8
35°	5381.7	5345.7	5391.8	5384.6	5357.2	5384.6	5367.3	5384.6	5401.9	5342.8
37.5°	5682.9	5645.4	5694.4	5681.5	5655.5	5674.3	5664.2	5675.7	5703.1	5639.7
40°	6014.4	5968.3	6034.6	6011.5	5987.0	5984.1	5989.9	5997.1	6033.1	5962.5
42.5°	6369.0	6319.9	6419.4	6383.4	6348.8	6325.7	6344.4	6358.9	6393.5	6314.2
45°	6773.9	6717.7	6847.5	6804.2	6749.4	6701.9	6732.2	6753.8	6804.2	6709.1
47.5°	7220.7	7157.3	7295.7	7282.7	7193.4	7089.6	7158.8	7220.7	7258.2	7142.9
50°	7657.4	7608.4	7790.0	7805.9	7696.4	7550.8	7647.4	7741.0	7751.1	7599.8
52.5°	8066.8	8017.8	8281.5	8381.0	8283.0	8110.0	8212.3	8307.5	8231.1	8035.1
55°	8393.9	8353.6	8689.4	8945.9	8979.1	8836.4	8896.9	8894.0	8643.3	8342.0
57.5°	8473.2	8467.4	8891.2	9434.5	9780.4	9797.7	9678.1	9372.5	8832.1	8427.1
60°	8112.9	8148.9	8731.2	9689.6	10612.0	10995.4	10478.0	9606.0	8617.3	8055.2
62.5°	7034.8	7129.9	7831.8	9378.3	11283.7	12373.3	11119.4	9251.5	7735.3	7001.7
65°	5041.5	5207.3	5982.7	8003.3	11223.1	13583.9	11027.1	7938.5	6040.3	5194.3
67.5°	2287.3	2455.9	3114.6	5479.7	9755.9	13255.3	9732.9	5537.3	3270.2	2464.6
70°	828.7	857.6	1069.4	2193.6	6234.9	10561.6	6501.5	2209.5	1137.2	913.8
72.5°	501.6	505.9	550.6	785.5	2166.2	6412.2	2258.5	811.4	562.1	498.7
75°	318.5	315.6	392.0	479.9	768.2	2163.3	805.7	479.9	390.6	356.0
77.5°	229.2	236.4	281.0	358.9	484.3	733.6	475.6	343.0	281.0	230.6
80°	171.5	175.8	204.7	279.6	340.1	456.9	302.7	253.7	211.9	144.1
82.5°	123.9	123.9	134.0	203.2	207.5	246.5	164.3	178.7	139.8	102.3
85°	73.5	72.1	83.6	121.1	108.1	90.8	74.9	109.5	87.9	63.4
87.5°	25.9	27.4	25.9	34.6	28.8	24.5	23.1	30.3	24.5	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3418.7
3438.9
3486.4
3558.5
3645.0
3734.3
3832.3
3966.4
4117.7
4280.6
4463.6
4653.8
4861.4
5105.0
5378.8
5678.6
5985.6
6356.0
6758.1
7181.8
7618.5
8040.8
8352.1
8401.1
7988.9
6958.4
5132.3
2428.5
902.2
507.3
358.9
234.9
148.5
102.3
62.0
20.2
0.0

OF REPORT)