

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: P951593

Luminaire Tested: **GALN-SB5C-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951593
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-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27577 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

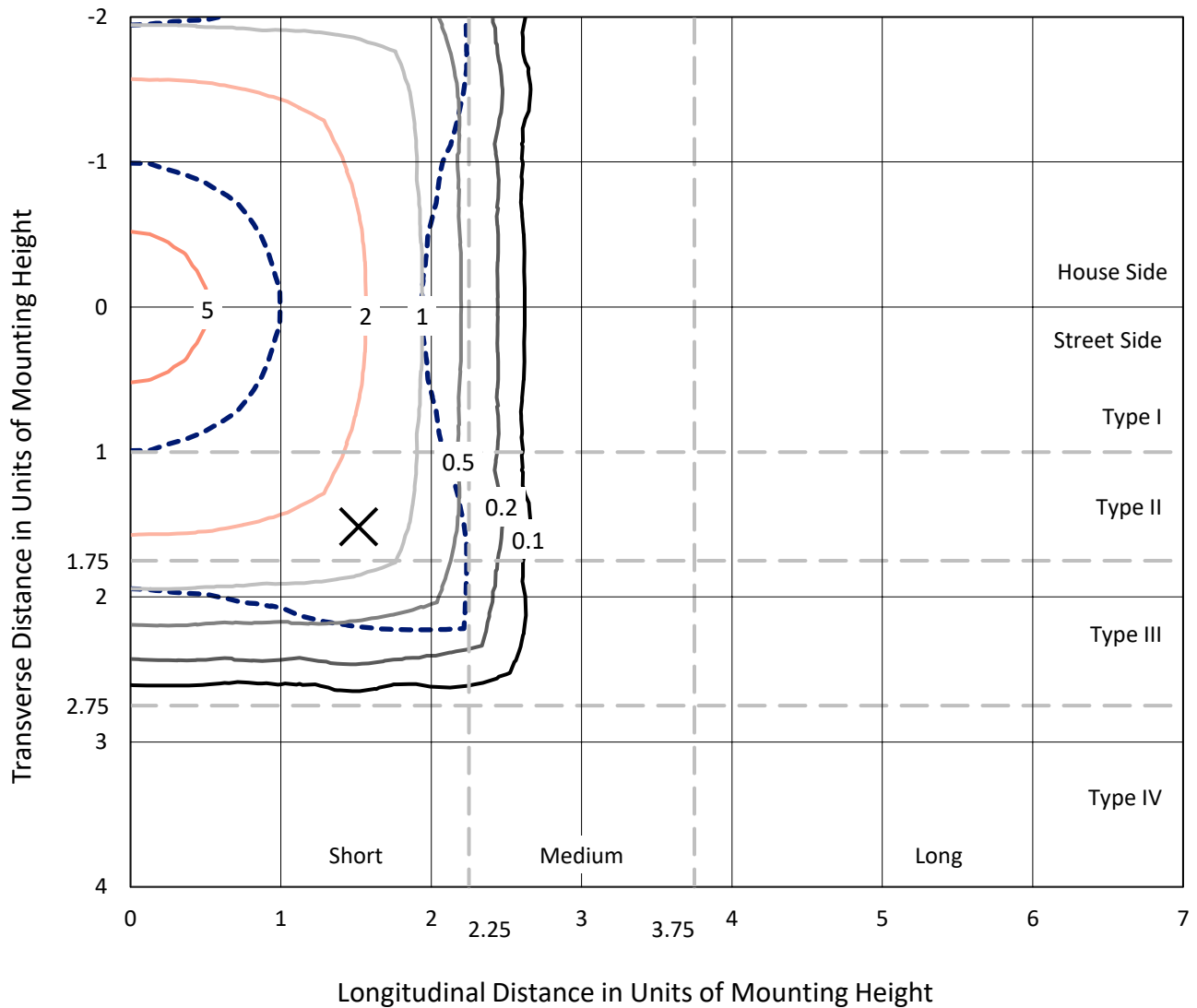
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951593
 CATALOG NUMBER: GALN-SB5C-950-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

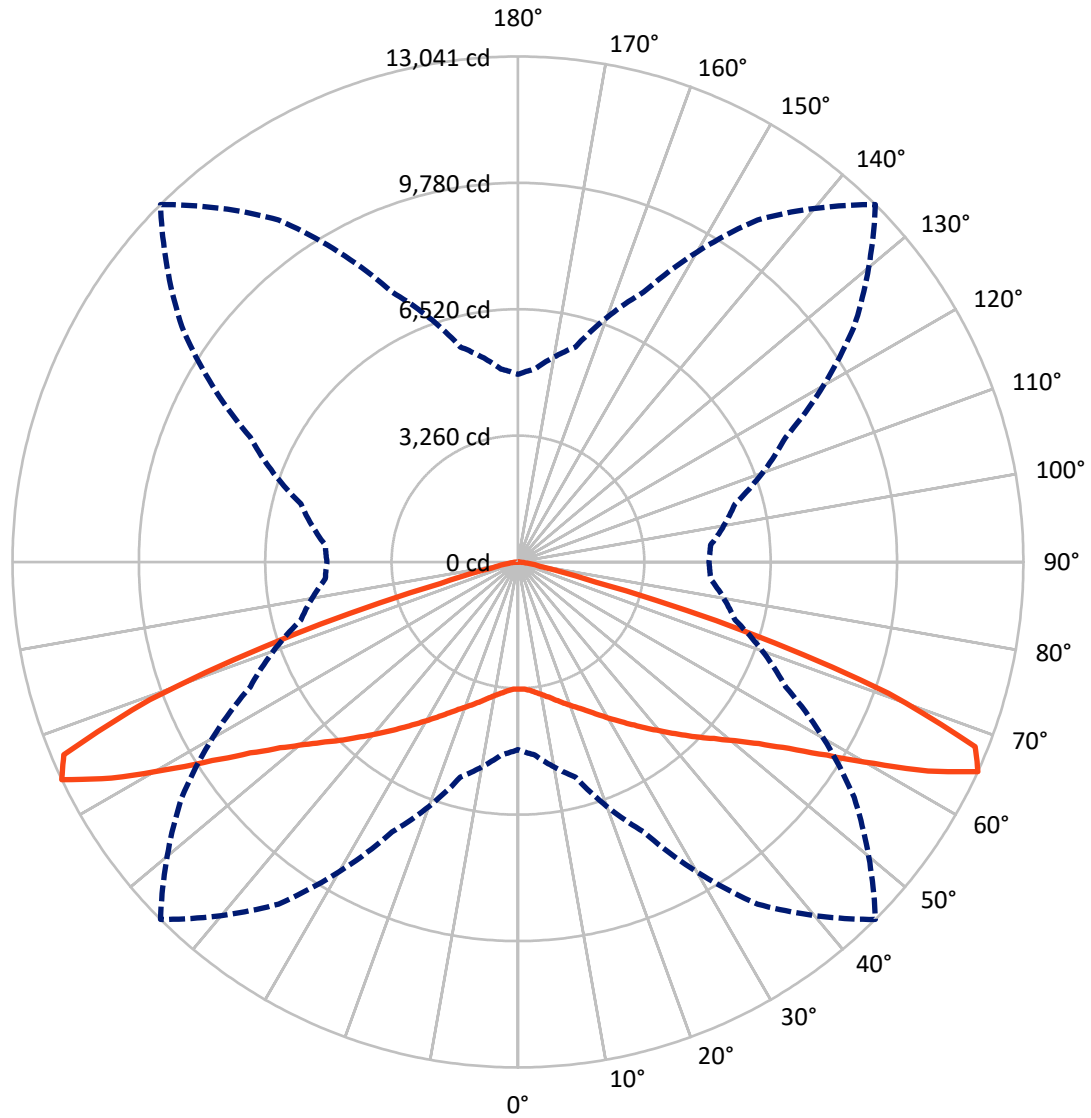
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P951593
CATALOG NUMBER: GALN-SB5C-950-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P951593
 CATALOG NUMBER: GALN-SB5C-950-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13788.5	0.0	13788.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13788.5	0.0	13788.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27577.0	0.0	27577.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	1.2
10°-20°	1056.9	3.8
20°-30°	1995.5	7.2
30°-40°	3267.6	11.8
40°-50°	5066.5	18.4
50°-60°	7484.3	27.1
60°-70°	7124.3	25.8
70°-80°	1149.6	4.2
80°-90°	108.4	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°	27577.0	100.0
0°-180°	27577.0	100.0



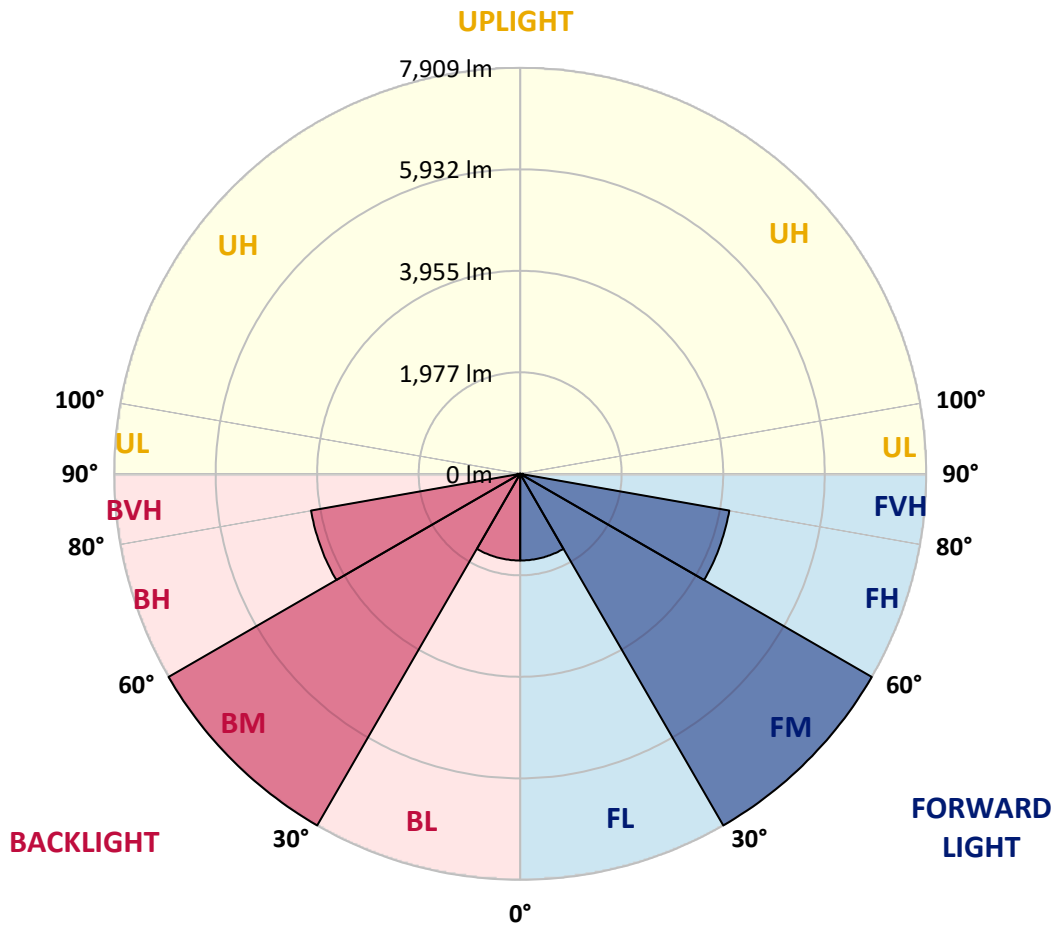
REPORT NUMBER: P951593
 CATALOG NUMBER: GALN-SB5C-950-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1688.2	6.1			
FM (30°-60°)	7909.2	28.7			
FH (60°-80°)	4137.0	15.0			G2/5000
FVH (80°-90°)	54.2	0.2			G1/100
BL (0°-30°)	1688.2	6.1	B3/2500		
BM (30°-60°)	7909.2	28.7	B4/8500		
BH (60°-80°)	4137.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	54.2	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: P951593
 CATALOG NUMBER: GALN-SB5C-950-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3281.9	3281.9	3281.9	3281.9	3281.9	3281.9	3281.9	3281.9	3281.9	3281.9
2.5°	3304.1	3293.0	3301.3	3294.4	3288.9	3283.3	3286.1	3295.8	3299.9	3301.3
5°	3348.4	3338.7	3342.8	3342.8	3333.1	3330.4	3331.7	3338.7	3347.0	3347.0
7.5°	3420.3	3410.6	3420.3	3414.8	3406.5	3403.7	3402.3	3407.8	3420.3	3420.3
10°	3507.5	3496.4	3501.9	3499.2	3489.5	3485.3	3483.9	3492.2	3503.3	3501.9
12.5°	3602.9	3590.5	3597.4	3589.1	3586.3	3582.2	3582.2	3580.8	3587.7	3582.2
15°	3709.5	3701.2	3703.9	3698.4	3702.6	3699.8	3688.7	3683.2	3686.0	3677.7
17.5°	3835.4	3816.0	3825.7	3822.9	3822.9	3828.5	3810.5	3803.6	3809.1	3800.8
20°	3980.7	3961.3	3965.4	3959.9	3953.0	3958.5	3936.4	3941.9	3946.1	3940.5
22.5°	4139.8	4114.9	4113.5	4116.3	4101.0	4102.4	4087.2	4101.0	4109.3	4094.1
25°	4303.0	4276.8	4294.7	4287.8	4268.5	4272.6	4261.5	4275.4	4282.3	4262.9
27.5°	4476.0	4458.0	4474.6	4478.8	4455.2	4471.8	4455.2	4467.7	4474.6	4445.6
30°	4678.0	4660.0	4675.2	4686.3	4658.6	4684.9	4671.1	4679.4	4680.8	4646.2
32.5°	4898.0	4870.3	4909.1	4914.6	4884.2	4916.0	4898.0	4909.1	4916.0	4868.9
35°	5166.4	5131.8	5176.1	5169.2	5142.9	5169.2	5152.6	5169.2	5185.8	5129.1
37.5°	5455.6	5419.6	5466.7	5454.2	5429.3	5447.3	5437.6	5448.7	5475.0	5414.1
40°	5773.8	5729.6	5793.2	5771.1	5747.5	5744.8	5750.3	5757.2	5791.8	5724.0
42.5°	6114.2	6067.2	6162.6	6128.0	6094.8	6072.7	6090.7	6104.5	6137.7	6061.6
45°	6503.0	6449.0	6573.6	6532.1	6479.5	6433.8	6462.9	6483.6	6532.1	6440.7
47.5°	6931.9	6871.0	7003.9	6991.4	6905.6	6806.0	6872.4	6931.9	6967.9	6857.2
50°	7351.2	7304.1	7478.4	7493.7	7388.5	7248.8	7341.5	7431.4	7441.1	7295.8
52.5°	7744.1	7697.1	7950.3	8045.7	7951.6	7785.6	7883.8	7975.2	7901.8	7713.7
55°	8058.2	8019.4	8341.8	8588.1	8619.9	8483.0	8541.1	8538.3	8297.5	8008.4
57.5°	8134.3	8128.7	8535.5	9057.2	9389.2	9405.8	9291.0	8997.7	8478.8	8090.0
60°	7788.4	7823.0	8381.9	9302.1	10187.6	10555.6	10058.9	9221.8	8272.6	7733.0
62.5°	6753.4	6844.8	7518.6	9003.2	10832.3	11878.3	10674.6	8881.4	7425.9	6721.6
65°	4839.9	4999.0	5743.4	7683.2	10774.2	13040.6	10586.1	7621.0	5798.7	4986.6
67.5°	2195.8	2357.7	2990.0	5260.5	9365.7	12725.1	9343.6	5315.9	3139.4	2366.0
70°	795.6	823.3	1026.6	2105.9	5985.5	10139.1	6241.5	2121.1	1091.7	877.2
72.5°	481.5	485.6	528.5	754.1	2079.6	6155.7	2168.1	779.0	539.6	478.7
75°	305.8	303.0	376.3	460.7	737.5	2076.8	773.4	460.7	375.0	341.8
77.5°	220.0	226.9	269.8	344.5	464.9	704.3	456.6	329.3	269.8	221.4
80°	164.7	168.8	196.5	268.4	326.5	438.6	290.6	243.5	203.4	138.4
82.5°	119.0	119.0	128.7	195.1	199.2	236.6	157.7	171.6	134.2	98.2
85°	70.6	69.2	80.2	116.2	103.8	87.2	71.9	105.2	84.4	60.9
87.5°	24.9	26.3	24.9	33.2	27.7	23.5	22.1	29.1	23.5	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3281.9
3301.3
3347.0
3416.1
3499.2
3585.0
3679.0
3807.7
3953.0
4109.3
4285.1
4467.7
4666.9
4900.8
5163.7
5451.4
5746.2
6101.7
6487.8
6894.6
7313.8
7719.2
8018.1
8065.1
7669.4
6680.1
4927.1
2331.4
866.1
487.0
344.5
225.5
142.5
98.2
59.5
19.4
0.0

OF REPORT)