

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: P956569

Luminaire Tested: **GALN-SB9A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9A-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31006 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

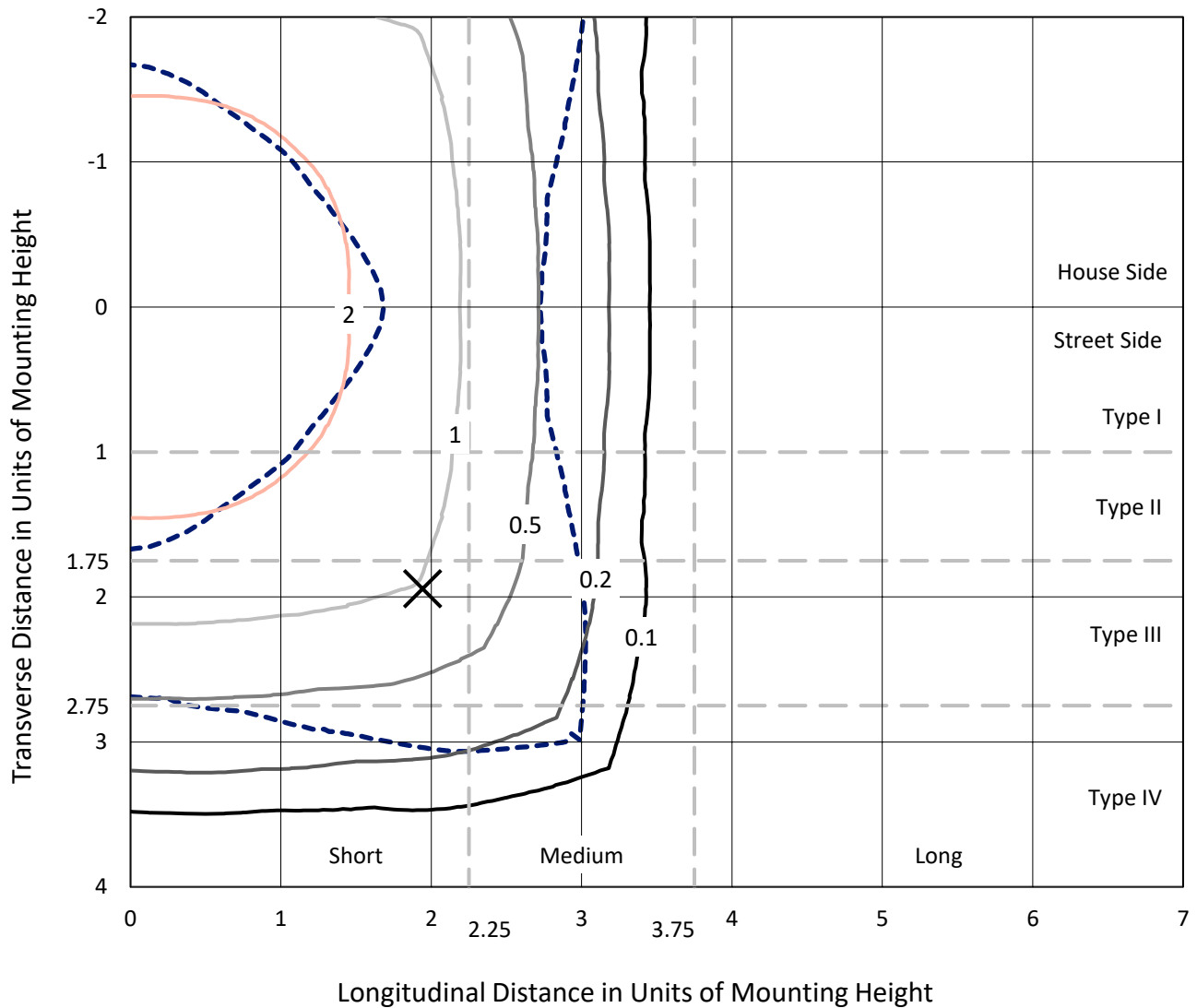
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956569
 CATALOG NUMBER: GALN-SB9A-940-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

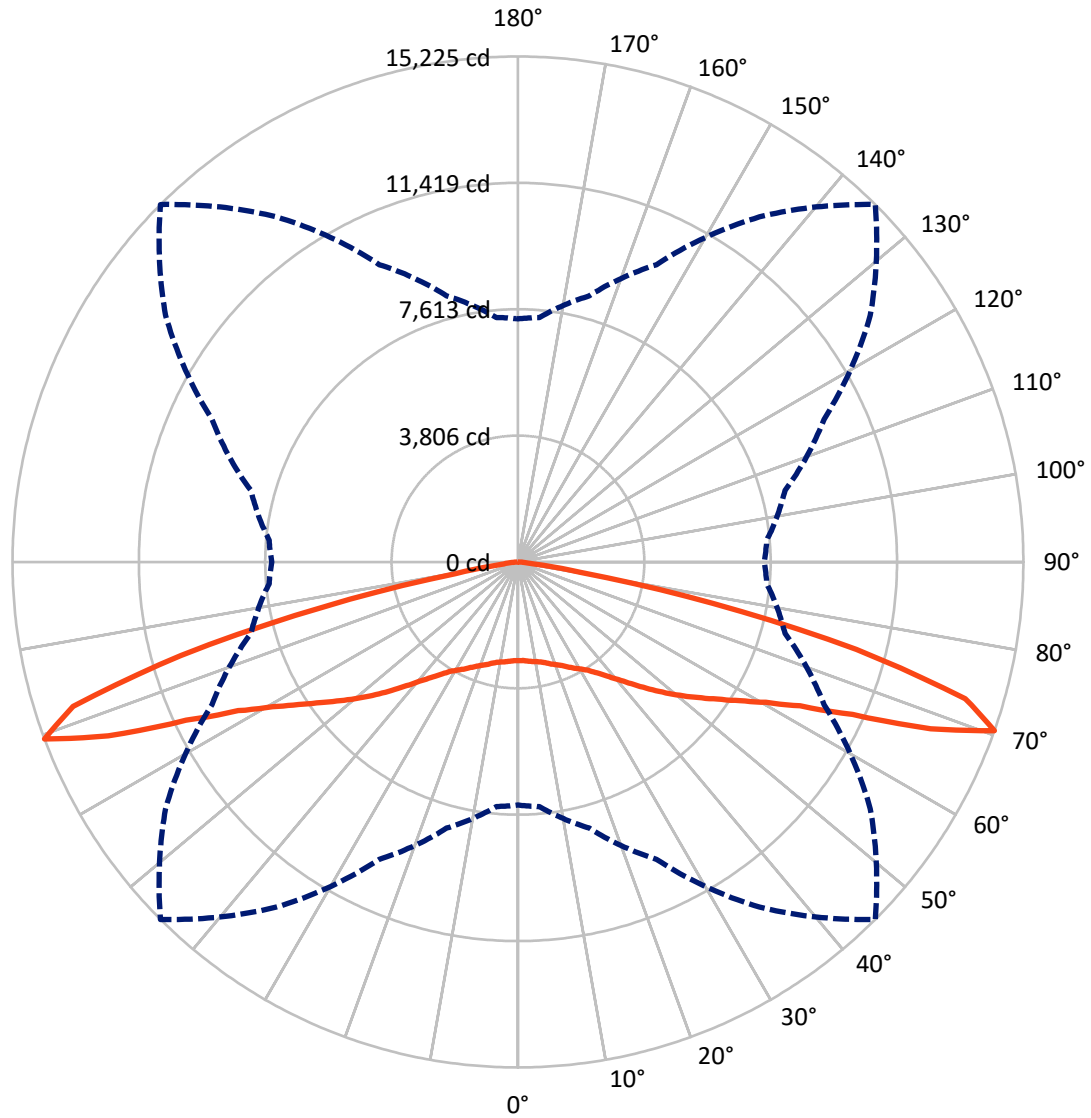
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P956569
CATALOG NUMBER: GALN-SB9A-940-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P956569
 CATALOG NUMBER: GALN-SB9A-940-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15503.0	0.0	15503.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15503.0	0.0	15503.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31006.0	0.0	31006.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	0.9
10°-20°	894.7	2.9
20°-30°	1599.0	5.2
30°-40°	2591.9	8.4
40°-50°	4221.8	13.6
50°-60°	6436.9	20.8
60°-70°	9576.1	30.9
70°-80°	5219.3	16.8
80°-90°	177.7	0.6
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°	31006.0	100.0
0°-180°	31006.0	100.0



REPORT NUMBER: P956569

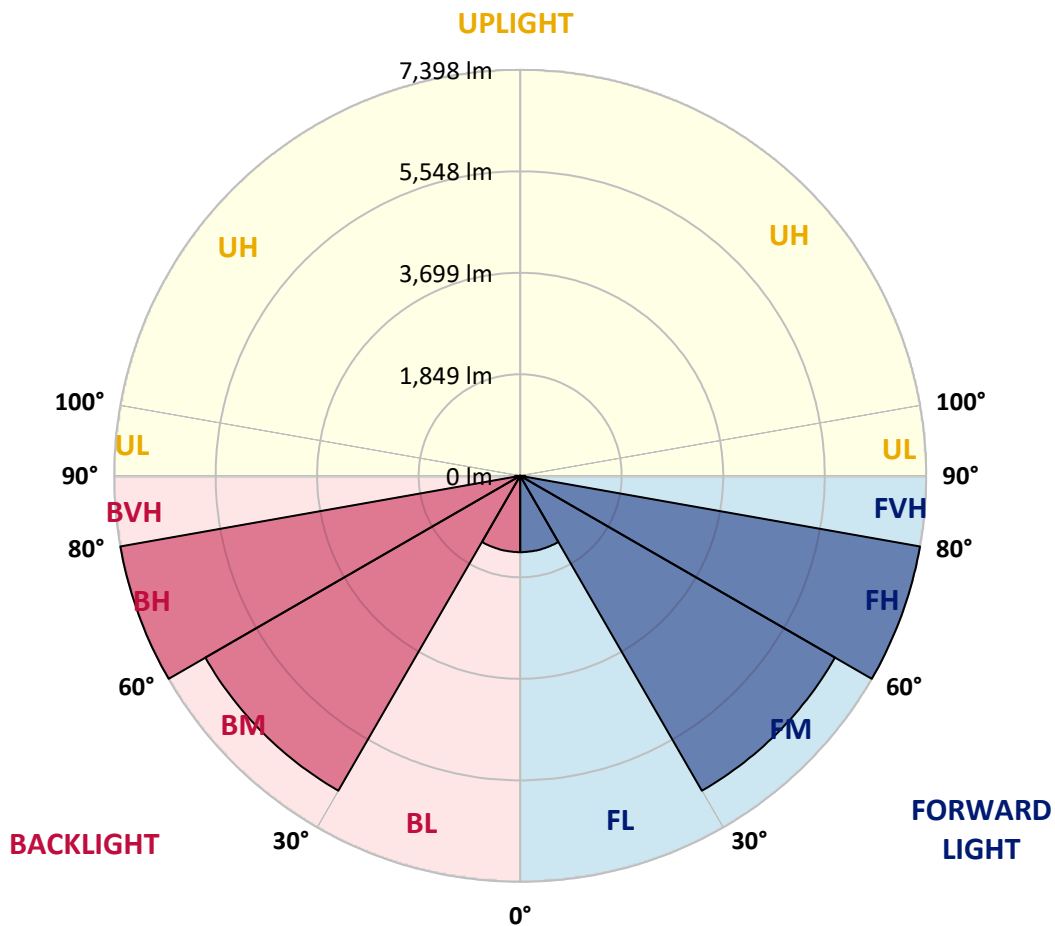
CATALOG NUMBER: GALN-SB9A-940-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.1	4.5			
FM (30°-60°)	6625.3	21.4			
FH (60°-80°)	7397.7	23.9			G3/7500
FVH (80°-90°)	88.9	0.3			G1/100
BL (0°-30°)	1391.1	4.5	B3/2500		
BM (30°-60°)	6625.3	21.4	B4/8500		
BH (60°-80°)	7397.7	23.9	B5		G3/7500
BVH (80°-90°)	88.9	0.3			G1/100
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: P956569
 CATALOG NUMBER: GALN-SB9A-940-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1	2970.1
2.5°	2984.1	2987.2	2981.0	2977.8	2974.7	2970.1	2971.6	2979.4	2985.6	2984.1
5°	3009.0	3012.1	3007.4	3005.9	2999.6	2998.1	2998.1	3005.9	3010.5	3007.4
7.5°	3037.0	3041.7	3033.9	3032.3	3029.2	3026.1	3024.5	3032.3	3037.0	3037.0
10°	3063.5	3068.1	3061.9	3057.2	3054.1	3054.1	3051.0	3057.2	3065.0	3063.5
12.5°	3091.5	3094.6	3088.4	3085.2	3085.2	3089.9	3085.2	3088.4	3094.6	3091.5
15°	3125.7	3127.3	3125.7	3130.4	3138.2	3153.7	3139.7	3136.6	3139.7	3131.9
17.5°	3172.4	3175.5	3181.8	3192.7	3203.5	3231.6	3206.7	3198.9	3198.9	3183.3
20°	3230.0	3234.7	3244.0	3262.7	3276.7	3303.2	3278.3	3267.4	3262.7	3242.5
22.5°	3290.7	3298.5	3312.5	3337.4	3362.3	3387.2	3362.3	3343.6	3329.6	3303.2
25°	3360.8	3370.1	3391.9	3432.4	3466.6	3502.4	3472.8	3435.5	3407.5	3370.1
27.5°	3460.4	3471.3	3497.8	3547.6	3591.2	3622.3	3594.3	3546.0	3507.1	3461.9
30°	3600.5	3611.4	3642.5	3695.4	3725.0	3745.3	3726.6	3689.2	3642.5	3591.2
32.5°	3781.1	3795.1	3829.3	3879.1	3885.4	3888.5	3882.2	3863.6	3829.3	3767.0
35°	4009.9	4025.5	4064.4	4104.8	4098.6	4104.8	4095.5	4089.3	4064.4	3992.8
37.5°	4290.1	4308.8	4349.2	4380.4	4364.8	4357.0	4358.6	4360.1	4346.1	4266.7
40°	4615.4	4640.3	4669.9	4702.6	4676.1	4652.8	4668.3	4680.8	4668.3	4587.4
42.5°	4950.1	4985.9	5017.0	5063.7	5041.9	5012.4	5034.1	5048.2	5021.7	4934.5
45°	5322.1	5356.4	5396.8	5466.9	5451.3	5420.2	5451.3	5454.4	5409.3	5306.6
47.5°	5706.6	5742.4	5803.1	5896.5	5890.3	5856.0	5896.5	5874.7	5817.1	5694.2
50°	6070.9	6120.7	6214.1	6344.8	6357.3	6315.3	6369.7	6327.7	6231.2	6077.1
52.5°	6413.3	6466.2	6614.1	6791.6	6836.7	6782.2	6855.4	6782.2	6637.5	6439.8
55°	6772.9	6832.1	7008.0	7239.9	7330.2	7289.7	7358.2	7247.7	7042.2	6802.5
57.5°	7196.3	7232.1	7442.3	7717.8	7870.3	7879.7	7910.8	7724.0	7474.9	7202.5
60°	7655.5	7705.3	7934.2	8264.2	8505.4	8583.3	8550.6	8273.5	7984.0	7671.1
62.5°	8243.9	8298.4	8572.4	8967.8	9349.1	9542.2	9414.5	9012.9	8654.9	8279.7
65°	8731.1	8791.9	9286.9	9992.0	10686.3	11073.9	10753.2	10013.8	9369.4	8840.1
67.5°	8377.8	8452.5	9229.3	10524.4	12250.7	13407.3	12309.8	10683.2	9420.7	8703.1
70°	7322.4	7392.4	8298.4	9881.5	12691.2	15225.4	12955.8	10172.6	8328.0	7524.8
72.5°	4861.4	5087.1	6003.9	7903.0	11332.3	14089.1	11444.4	7742.7	5569.6	4850.5
75°	1612.7	1793.2	2419.0	4097.1	7590.1	10536.8	7225.9	3625.4	1916.2	1379.2
77.5°	406.3	468.5	646.0	1172.1	3027.6	5999.3	2725.7	957.3	521.5	364.3
80°	197.7	217.9	311.3	390.7	758.1	1906.9	711.4	367.4	245.9	189.9
82.5°	109.0	110.5	175.9	221.0	281.8	493.5	292.6	214.8	141.7	115.2
85°	66.9	65.4	93.4	118.3	118.3	175.9	140.1	118.3	80.9	71.6
87.5°	26.5	26.5	34.2	37.4	32.7	45.1	35.8	38.9	31.1	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2970.1
2985.6
3009.0
3037.0
3063.5
3089.9
3131.9
3183.3
3242.5
3301.6
3368.6
3460.4
3591.2
3768.6
3992.8
4266.7
4587.4
4940.8
5317.5
5686.4
6074.0
6421.1
6769.8
7165.2
7621.3
8214.3
8752.9
8595.7
7417.4
4693.2
1304.5
325.3
174.3
115.2
74.7
31.1
0.0

OF REPORT)