

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: P953714

Luminaire Tested: **GALN-SB7A-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953714
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-SB7A-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24224 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

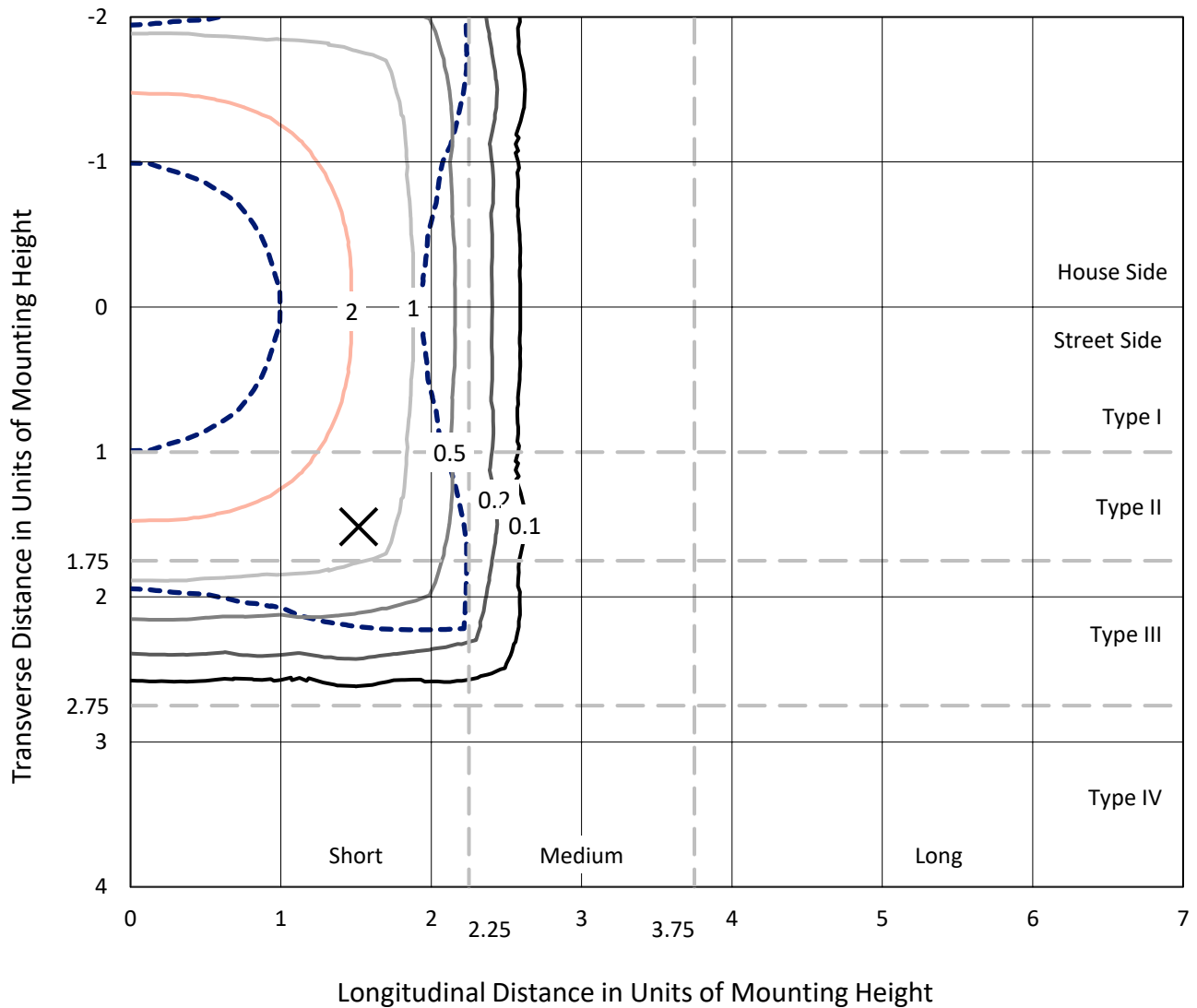
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

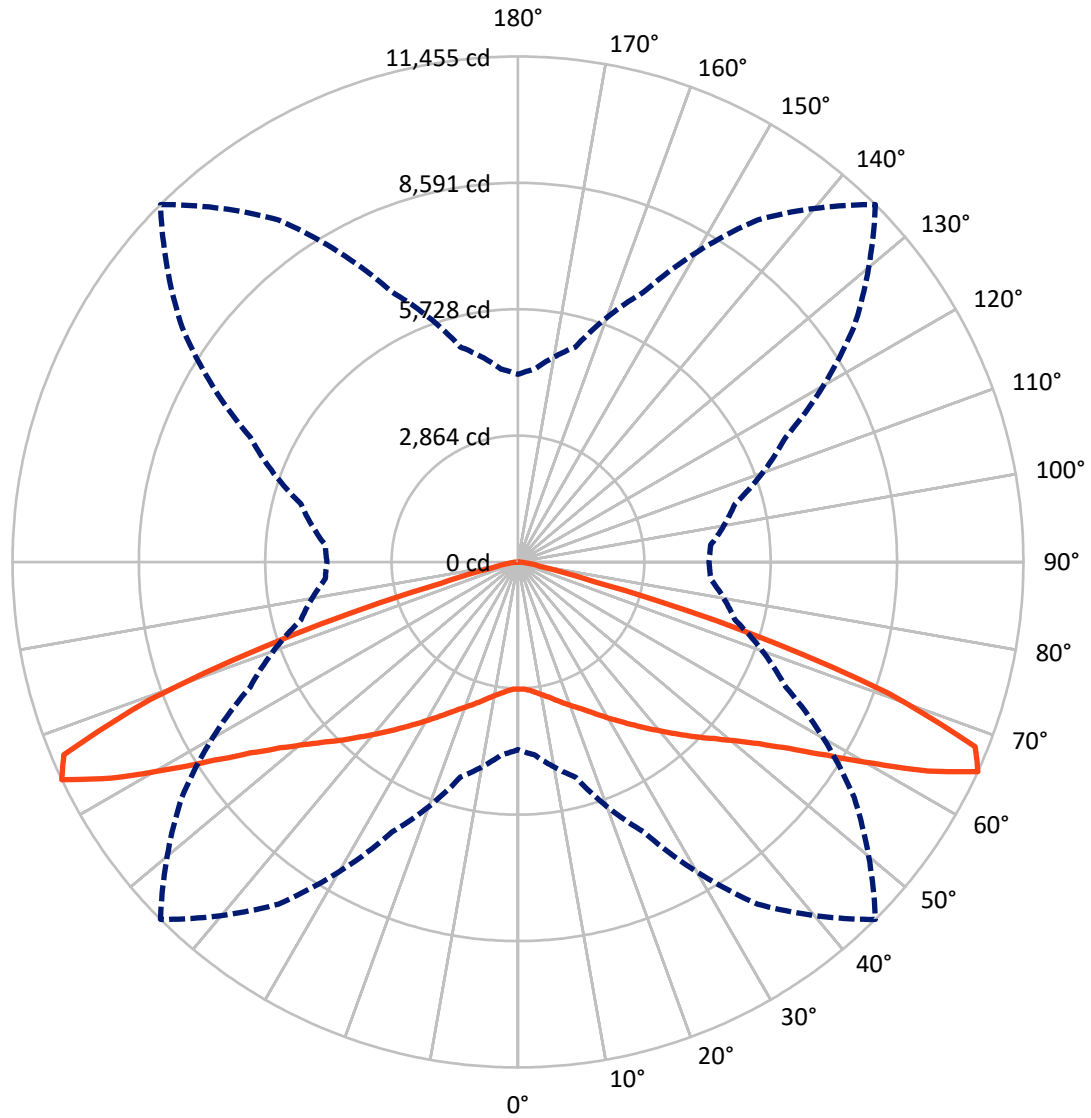
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12112.0	0.0	12112.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12112.0	0.0	12112.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24224.0	0.0	24224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.5	1.2
10°-20°	928.4	3.8
20°-30°	1752.9	7.2
30°-40°	2870.3	11.8
40°-50°	4450.5	18.4
50°-60°	6574.3	27.1
60°-70°	6258.1	25.8
70°-80°	1009.8	4.2
80°-90°	95.2	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°	24224.0	100.0
0°-180°	24224.0	100.0

Coefficient of Utilization



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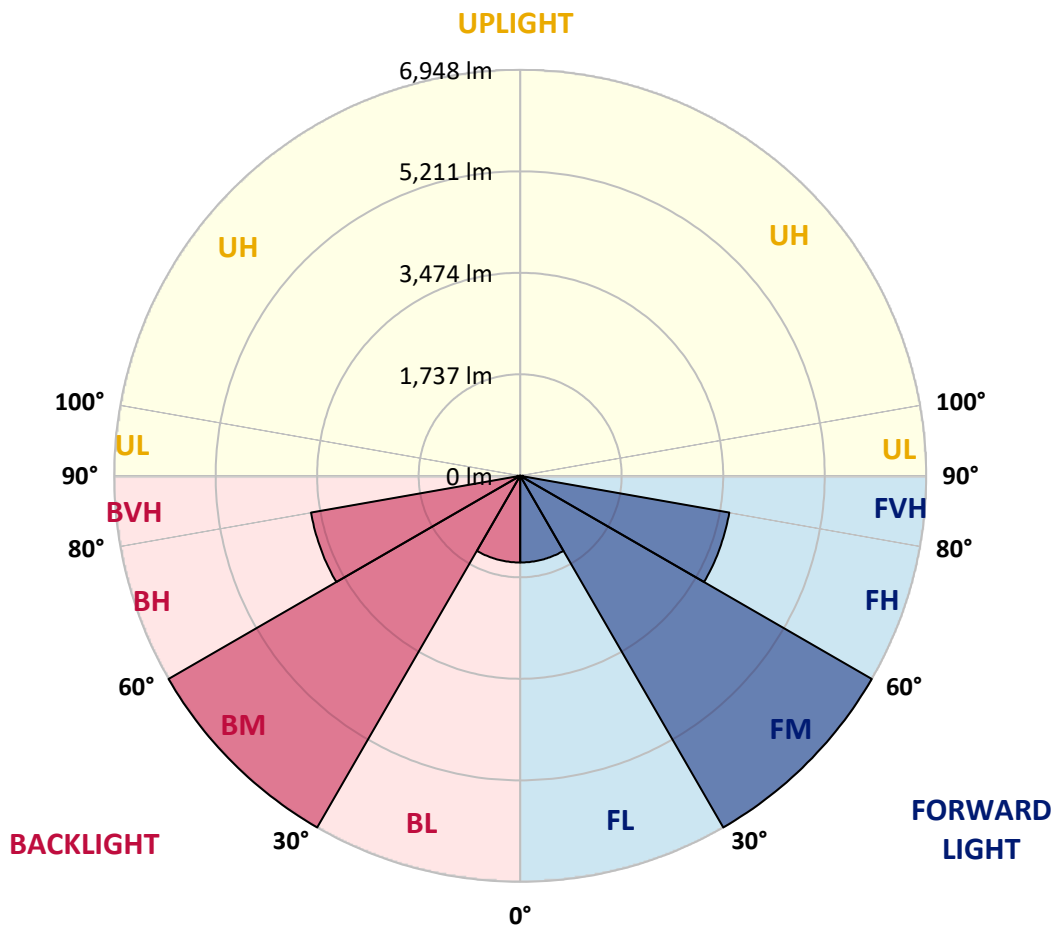
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1482.9	6.1			
FM (30°-60°)	6947.5	28.7			
FH (60°-80°)	3634.0	15.0			G2/5000
FVH (80°-90°)	47.6	0.2			G1/100
BL (0°-30°)	1482.9	6.1	B3/2500		
BM (30°-60°)	6947.5	28.7	B4/8500		
BH (60°-80°)	3634.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	47.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9	2882.9
2.5°	2902.3	2892.6	2899.9	2893.8	2889.0	2884.1	2886.5	2895.1	2898.7	2899.9
5°	2941.2	2932.7	2936.4	2936.4	2927.9	2925.4	2926.7	2932.7	2940.0	2940.0
7.5°	3004.4	2995.9	3004.4	2999.6	2992.3	2989.9	2988.6	2993.5	3004.4	3004.4
10°	3081.0	3071.3	3076.1	3073.7	3065.2	3061.6	3060.3	3067.6	3077.4	3076.1
12.5°	3164.9	3153.9	3160.0	3152.7	3150.3	3146.6	3146.6	3145.4	3151.5	3146.6
15°	3258.5	3251.2	3253.6	3248.7	3252.4	3249.9	3240.2	3235.4	3237.8	3230.5
17.5°	3369.1	3352.0	3360.5	3358.1	3358.1	3363.0	3347.2	3341.1	3346.0	3338.7
20°	3496.7	3479.7	3483.3	3478.4	3472.4	3477.2	3457.8	3462.6	3466.3	3461.4
22.5°	3636.4	3614.6	3613.3	3615.8	3602.4	3603.6	3590.3	3602.4	3609.7	3596.3
25°	3779.9	3756.8	3772.6	3766.5	3749.5	3753.1	3743.4	3755.5	3761.6	3744.6
27.5°	3931.8	3916.0	3930.6	3934.2	3913.5	3928.1	3913.5	3924.5	3930.6	3905.0
30°	4109.2	4093.4	4106.8	4116.5	4092.2	4115.3	4103.1	4110.4	4111.7	4081.3
32.5°	4302.5	4278.2	4312.2	4317.1	4290.3	4318.3	4302.5	4312.2	4318.3	4276.9
35°	4538.3	4507.9	4546.8	4540.7	4517.6	4540.7	4526.1	4540.7	4555.3	4505.4
37.5°	4792.3	4760.7	4802.0	4791.1	4769.2	4785.0	4776.5	4786.2	4809.3	4755.8
40°	5071.8	5032.9	5088.8	5069.4	5048.7	5046.3	5051.1	5057.2	5087.6	5028.1
42.5°	5370.8	5329.5	5413.3	5382.9	5353.8	5334.3	5350.1	5362.3	5391.5	5324.6
45°	5712.3	5664.9	5774.3	5737.8	5691.7	5651.6	5677.1	5695.3	5737.8	5657.6
47.5°	6089.1	6035.6	6152.3	6141.4	6066.0	5978.5	6036.8	6089.1	6120.7	6023.5
50°	6457.4	6416.0	6569.2	6582.5	6490.2	6367.4	6448.8	6527.8	6536.4	6408.7
52.5°	6802.5	6761.2	6983.6	7067.5	6984.8	6839.0	6925.3	7005.5	6941.1	6775.8
55°	7078.4	7044.4	7327.6	7543.9	7571.9	7451.5	7502.6	7500.2	7288.7	7034.7
57.5°	7145.3	7140.4	7497.7	7955.9	8247.6	8262.2	8161.3	7903.7	7447.9	7106.4
60°	6841.4	6871.8	7362.8	8171.0	8948.9	9272.2	8835.9	8100.6	7266.8	6792.8
62.5°	5932.3	6012.5	6604.4	7908.5	9515.3	10434.1	9376.7	7801.6	6523.0	5904.4
65°	4251.4	4391.2	5045.1	6749.0	9464.2	11455.0	9298.9	6694.4	5093.7	4380.3
67.5°	1928.8	2071.0	2626.5	4620.9	8227.0	11177.9	8207.5	4669.5	2757.7	2078.3
70°	698.8	723.2	901.8	1849.8	5257.8	8906.4	5482.6	1863.2	958.9	770.6
72.5°	423.0	426.6	464.3	662.4	1826.7	5407.3	1904.5	684.3	474.0	420.5
75°	268.6	266.2	330.6	404.7	647.8	1824.3	679.4	404.7	329.4	300.2
77.5°	193.2	199.3	237.0	302.6	408.4	618.6	401.1	289.3	237.0	194.5
80°	144.6	148.3	172.6	235.8	286.8	385.3	255.2	213.9	178.7	121.5
82.5°	104.5	104.5	113.0	171.4	175.0	207.8	138.6	150.7	117.9	86.3
85°	62.0	60.8	70.5	102.1	91.2	76.6	63.2	92.4	74.1	53.5
87.5°	21.9	23.1	21.9	29.2	24.3	20.7	19.4	25.5	20.7	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2882.9
2899.9
2940.0
3000.8
3073.7
3149.1
3231.7
3344.7
3472.4
3609.7
3764.1
3924.5
4099.5
4304.9
4535.8
4788.6
5047.5
5359.9
5699.0
6056.3
6424.5
6780.6
7043.2
7084.5
6736.9
5867.9
4328.0
2047.9
760.8
427.8
302.6
198.1
125.2
86.3
52.3
17.0
0.0

OF REPORT)