

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: P954050

Luminaire Tested: **GALN-SB7B-935-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954050
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-SB7B-935-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29192 lumens
Efficiency: N/A
Efficacy: 113.7 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

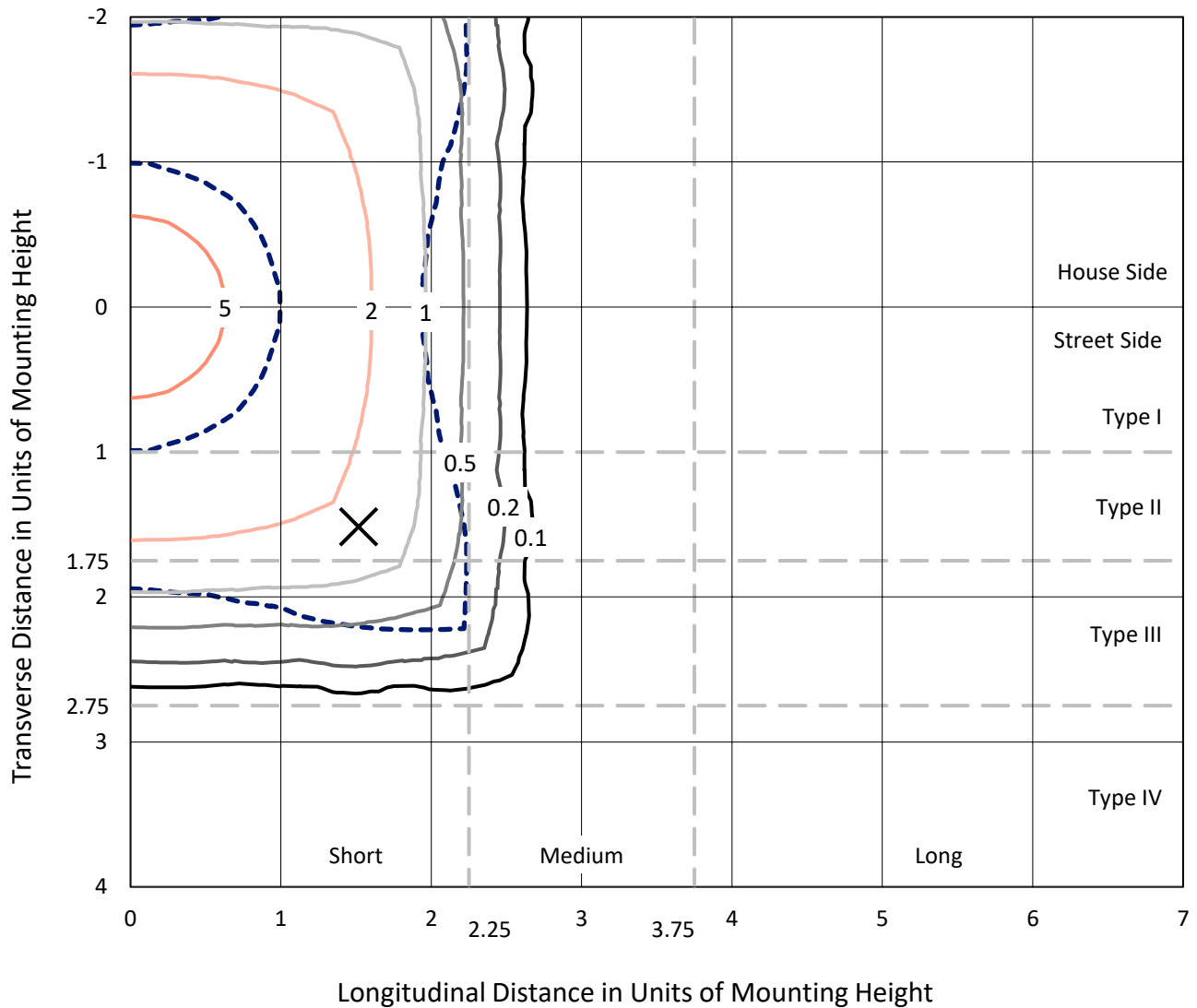
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

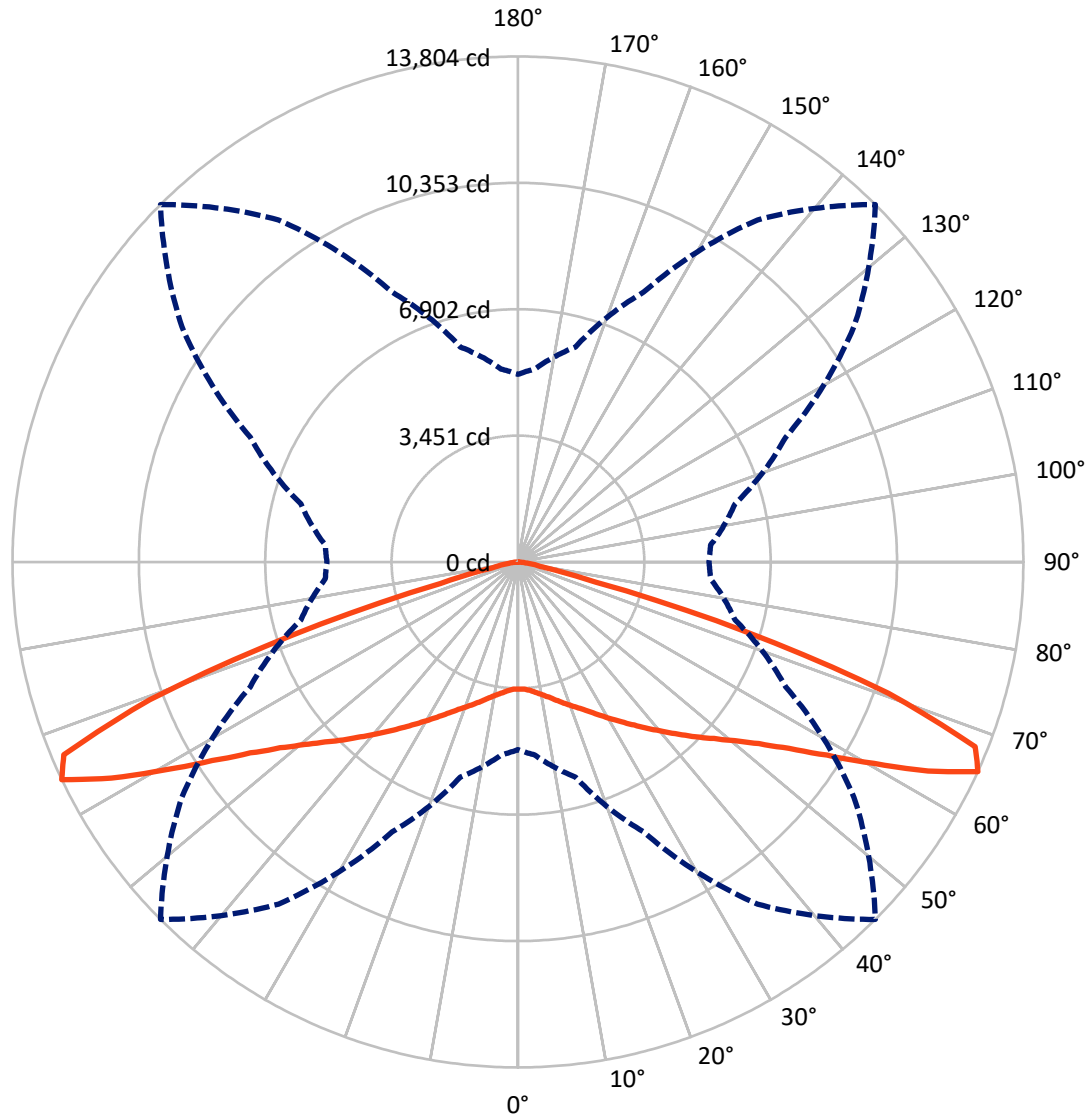
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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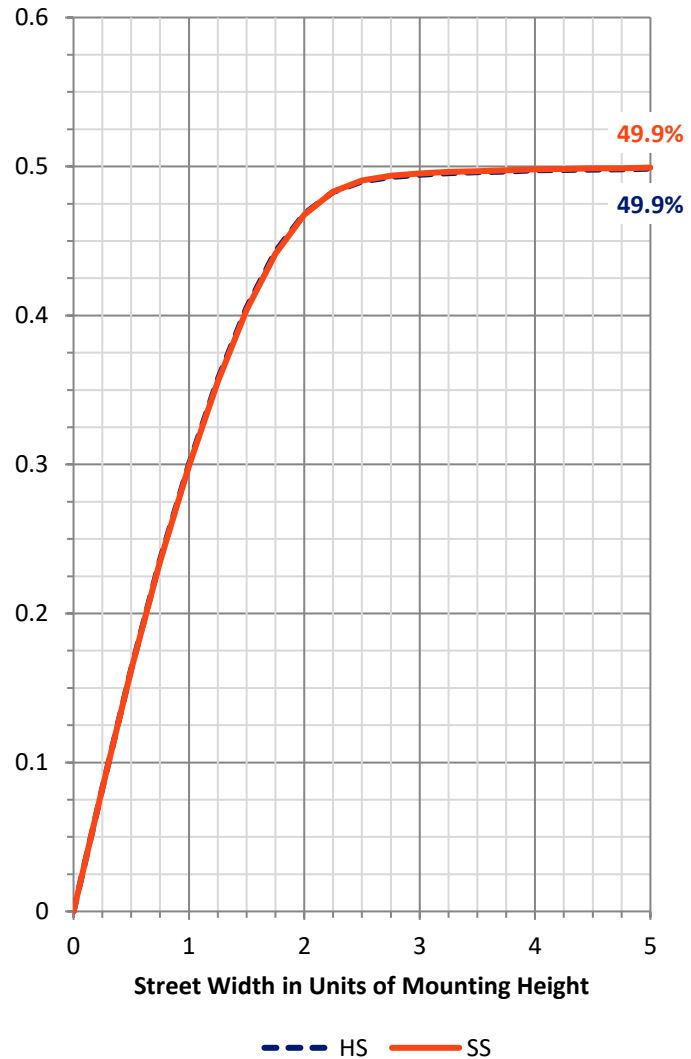
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14596.0	0.0	14596.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14596.0	0.0	14596.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29192.0	0.0	29192.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.9	1.2
10°-20°	1118.8	3.8
20°-30°	2112.4	7.2
30°-40°	3459.0	11.8
40°-50°	5363.2	18.4
50°-60°	7922.6	27.1
60°-70°	7541.6	25.8
70°-80°	1216.9	4.2
80°-90°	114.7	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°	29192.0	100.0
0°-180°	29192.0	100.0



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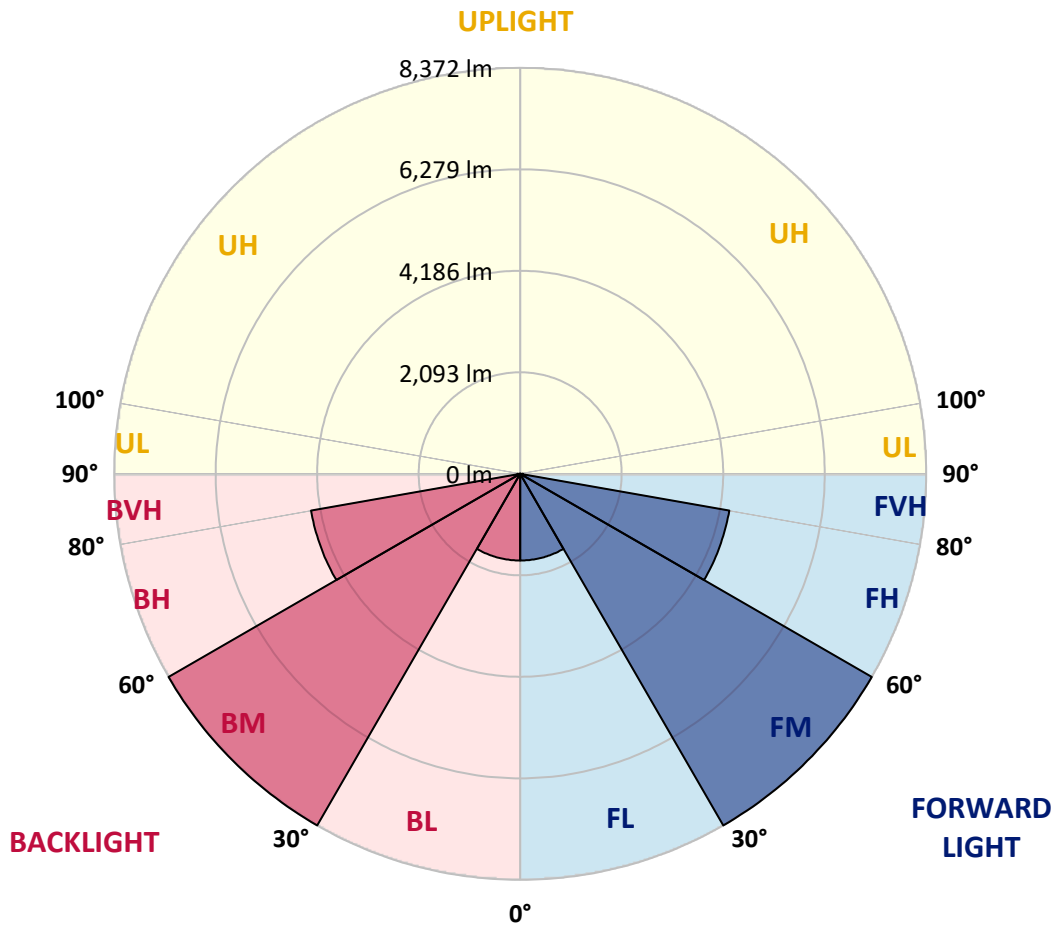
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1787.0	6.1			
FM (30°-60°)	8372.4	28.7			
FH (60°-80°)	4379.2	15.0			G2/5000
FVH (80°-90°)	57.4	0.2			G1/100
BL (0°-30°)	1787.0	6.1	B3/2500		
BM (30°-60°)	8372.4	28.7	B4/8500		
BH (60°-80°)	4379.2	15.0	B4/5000		G2/5000
BVH (80°-90°)	57.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1	3474.1
2.5°	3497.6	3485.9	3494.6	3487.3	3481.5	3475.6	3478.5	3488.8	3493.2	3494.6
5°	3544.4	3534.2	3538.6	3538.6	3528.3	3525.4	3526.9	3534.2	3543.0	3543.0
7.5°	3620.6	3610.4	3620.6	3614.7	3606.0	3603.0	3601.6	3607.4	3620.6	3620.6
10°	3712.9	3701.2	3707.0	3704.1	3693.8	3689.4	3688.0	3696.8	3708.5	3707.0
12.5°	3813.9	3800.8	3808.1	3799.3	3796.4	3792.0	3792.0	3790.5	3797.8	3792.0
15°	3926.7	3917.9	3920.9	3915.0	3919.4	3916.5	3904.7	3898.9	3901.8	3893.0
17.5°	4060.0	4039.5	4049.7	4046.8	4046.8	4052.7	4033.6	4026.3	4032.2	4023.4
20°	4213.8	4193.3	4197.7	4191.8	4184.5	4190.4	4166.9	4172.8	4177.2	4171.3
22.5°	4382.2	4355.9	4354.4	4357.3	4341.2	4342.7	4326.6	4341.2	4350.0	4333.9
25°	4555.0	4527.2	4546.3	4538.9	4518.4	4522.8	4511.1	4525.8	4533.1	4512.6
27.5°	4738.1	4719.1	4736.7	4741.1	4716.2	4733.7	4716.2	4729.3	4736.7	4705.9
30°	4952.0	4932.9	4949.0	4960.8	4931.5	4959.3	4944.6	4953.4	4954.9	4918.3
32.5°	5184.8	5155.6	5196.6	5202.4	5170.2	5203.9	5184.8	5196.6	5203.9	5154.1
35°	5469.0	5432.4	5479.2	5471.9	5444.1	5471.9	5454.3	5471.9	5489.5	5429.4
37.5°	5775.1	5737.0	5786.8	5773.6	5747.3	5766.3	5756.1	5767.8	5795.6	5731.2
40°	6112.0	6065.1	6132.5	6109.0	6084.1	6081.2	6087.1	6094.4	6131.0	6059.2
42.5°	6472.3	6422.5	6523.5	6486.9	6451.8	6428.3	6447.4	6462.0	6497.2	6416.6
45°	6883.8	6826.7	6958.5	6914.6	6858.9	6810.6	6841.4	6863.3	6914.6	6817.9
47.5°	7337.9	7273.4	7414.0	7400.9	7310.0	7204.6	7274.9	7337.9	7376.0	7258.8
50°	7781.7	7731.9	7916.4	7932.5	7821.2	7673.3	7771.4	7866.6	7876.9	7723.1
52.5°	8197.6	8147.8	8415.9	8516.9	8417.3	8241.6	8345.6	8442.2	8364.6	8165.4
55°	8530.1	8489.1	8830.3	9091.1	9124.7	8979.7	9041.3	9038.3	8783.5	8477.4
57.5°	8610.7	8604.8	9035.4	9587.6	9939.1	9956.7	9835.1	9524.6	8975.3	8563.8
60°	8244.5	8281.1	8872.8	9846.8	10784.2	11173.8	10648.0	9761.9	8757.1	8185.9
62.5°	7148.9	7245.6	7958.9	9530.5	11466.7	12574.0	11299.7	9401.6	7860.8	7115.2
65°	5123.3	5291.8	6079.7	8133.2	11405.2	13804.3	11206.0	8067.3	6138.3	5278.6
67.5°	2324.4	2495.8	3165.1	5568.6	9914.2	13470.3	9890.8	5627.2	3323.3	2504.5
70°	842.2	871.5	1086.8	2229.2	6336.1	10732.9	6607.0	2245.3	1155.6	928.6
72.5°	509.7	514.1	559.5	798.2	2201.4	6516.2	2295.1	824.6	571.2	506.8
75°	323.7	320.8	398.4	487.7	780.7	2198.4	818.7	487.7	396.9	361.8
77.5°	232.9	240.2	285.6	364.7	492.1	745.5	483.3	348.6	285.6	234.3
80°	174.3	178.7	208.0	284.1	345.7	464.3	307.6	257.8	215.3	146.5
82.5°	126.0	126.0	136.2	206.5	210.9	250.5	167.0	181.6	142.1	104.0
85°	74.7	73.2	84.9	123.0	109.8	92.3	76.2	111.3	89.3	64.4
87.5°	26.4	27.8	26.4	35.2	29.3	24.9	23.4	30.8	24.9	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3474.1
3494.6
3543.0
3616.2
3704.1
3794.9
3894.5
4030.7
4184.5
4350.0
4536.0
4729.3
4940.3
5187.8
5466.1
5770.7
6082.7
6459.1
6867.7
7298.3
7742.1
8171.3
8487.6
8537.4
8118.5
7071.3
5215.6
2467.9
916.9
515.6
364.7
238.7
150.9
104.0
63.0
20.5
0.0

OF REPORT)