

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: P940253

Luminaire Tested: **GALN-SB3B-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15503 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 109.2
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



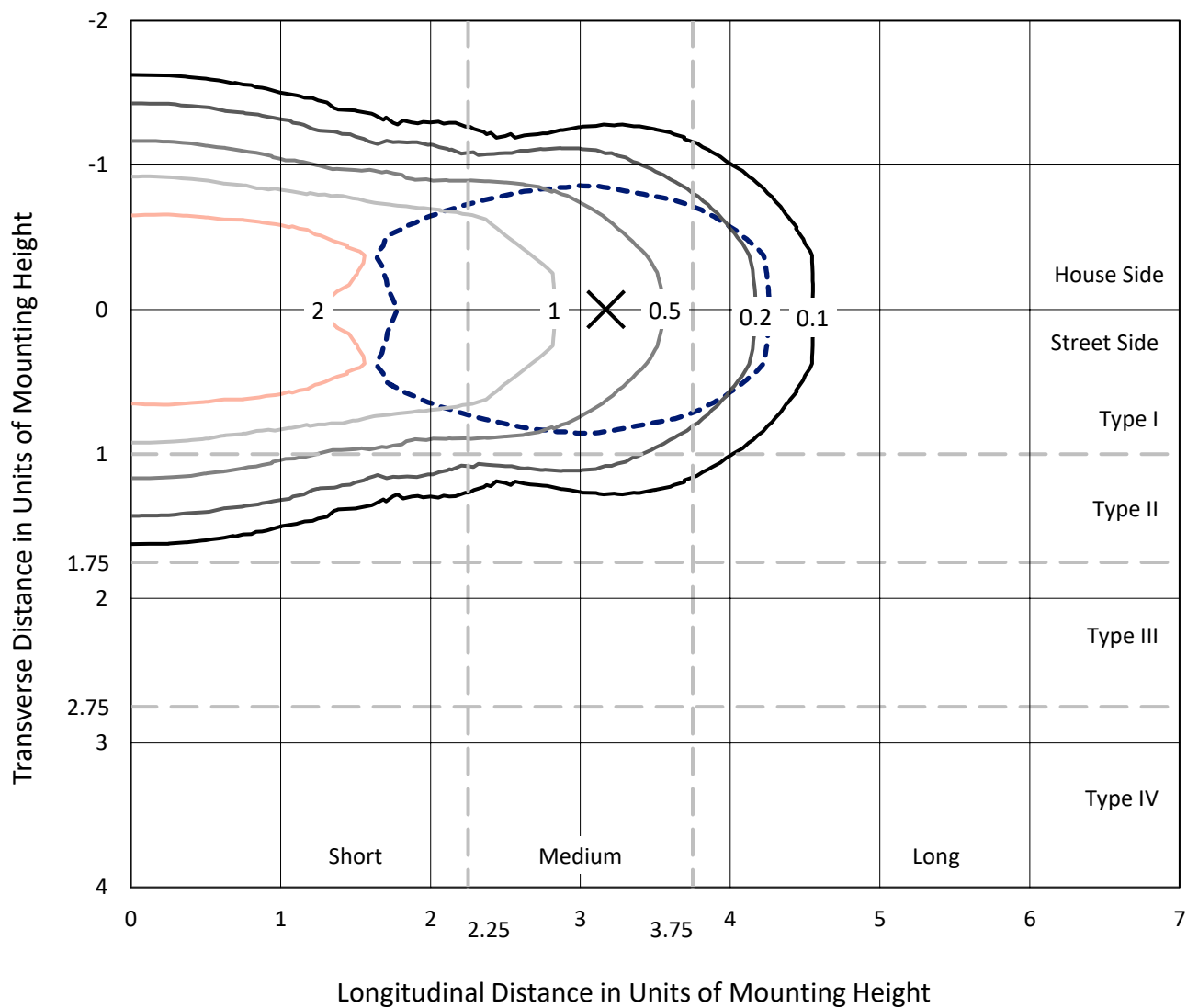
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Iso-Footcandle Lines of Horizontal Illumination

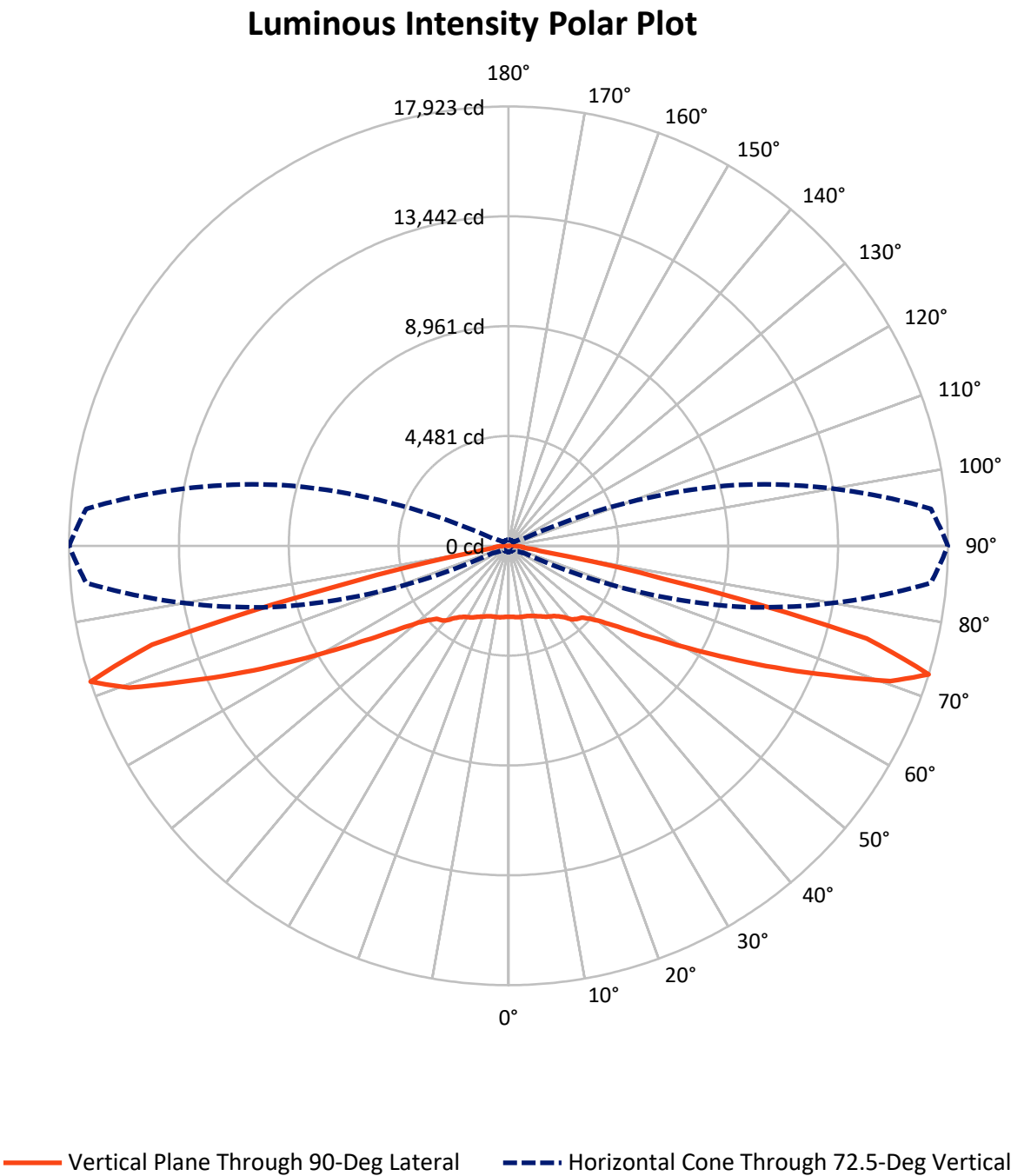
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type I - Short - N/A

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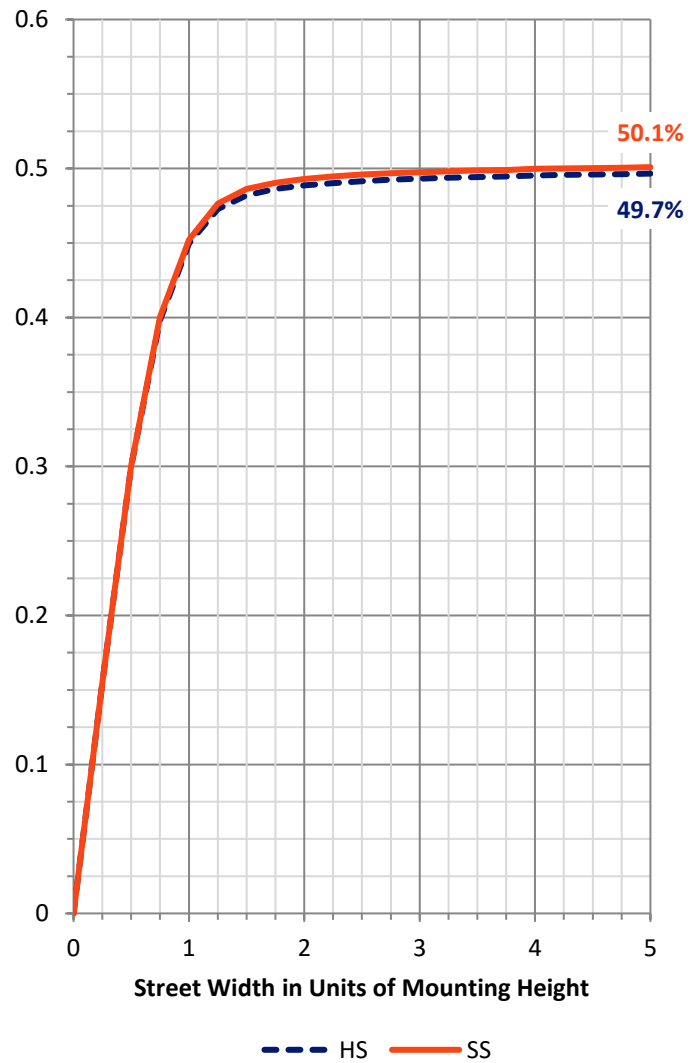
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7751.5	0.0	7751.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7751.5	0.0	7751.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15503.0	0.0	15503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.9	1.8
10°-20°	858.8	5.5
20°-30°	1432.1	9.2
30°-40°	1969.5	12.7
40°-50°	2405.3	15.5
50°-60°	2782.0	17.9
60°-70°	3317.1	21.4
70°-80°	2315.1	14.9
80°-90°	142.2	0.9
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°	15503.0	100.0
0°-180°	15503.0	100.0

Coefficient of Utilization



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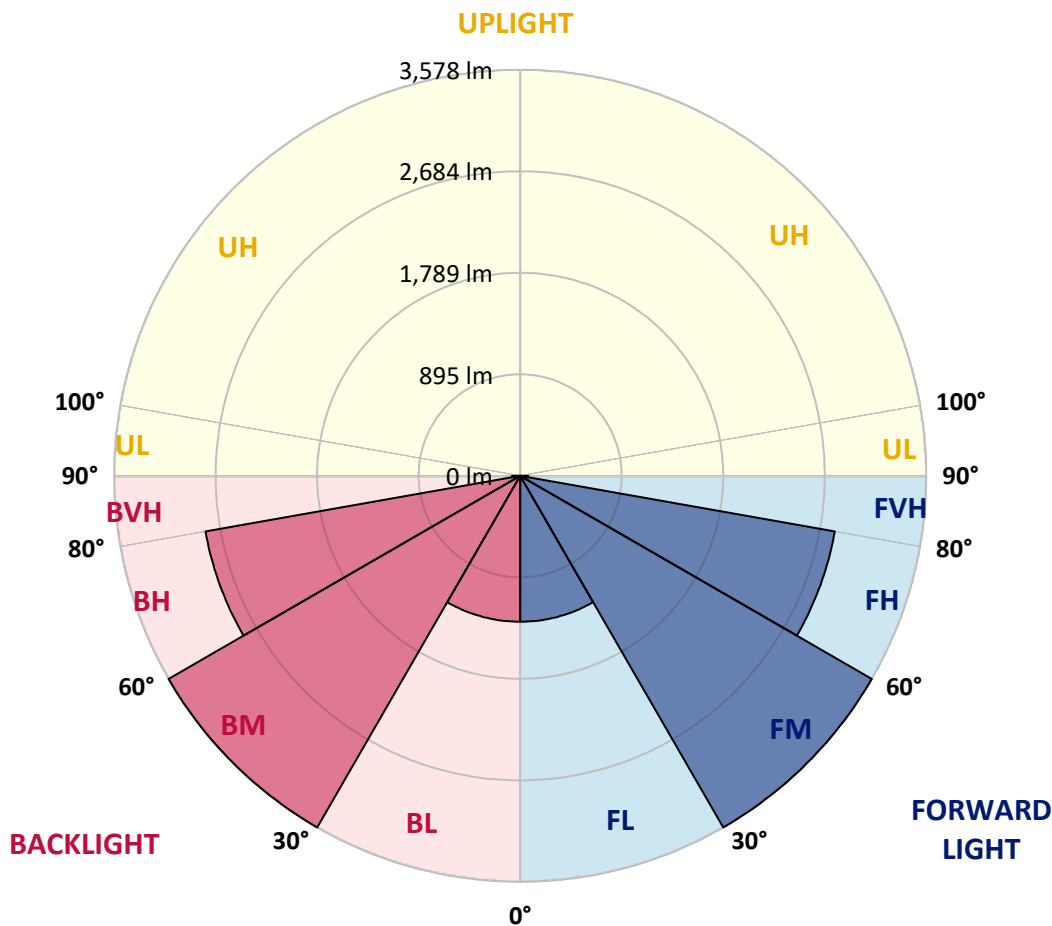
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1285.9	8.3			
FM	(30°-60°)	3578.4	23.1			
FH	(60°-80°)	2816.1	18.2			G2/5000
FVH	(80°-90°)	71.1	0.5			G1/100
BL	(0°-30°)	1285.9	8.3	B3/2500		
BM	(30°-60°)	3578.4	23.1	B3/5000		
BH	(60°-80°)	2816.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	71.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9	2896.9
2.5°	2899.4	2902.7	2902.7	2900.2	2906.0	2901.0	2901.0	2898.5	2901.0	2898.5	2898.5
5°	2914.2	2918.3	2920.0	2919.1	2926.6	2922.4	2922.4	2919.1	2920.0	2917.5	2917.5
7.5°	2942.2	2948.0	2951.3	2955.4	2966.1	2961.2	2957.9	2948.0	2943.9	2937.3	2937.3
10°	2951.3	2957.9	2968.6	2990.0	3014.7	3015.5	3005.7	2980.9	2962.0	2947.2	2944.7
12.5°	2923.3	2932.3	2954.6	2998.2	3053.4	3075.7	3060.0	3018.8	2981.8	2955.4	2951.3
15°	2887.8	2897.7	2931.5	2997.4	3079.0	3130.9	3129.2	3074.9	3015.5	2974.3	2967.8
17.5°	2832.6	2842.5	2891.1	2983.4	3098.8	3184.4	3207.5	3151.5	3068.3	3013.1	3004.0
20°	2732.9	2742.0	2809.6	2938.9	3105.4	3241.3	3301.4	3252.0	3148.2	3073.2	3059.2
22.5°	2603.6	2617.6	2696.7	2862.3	3089.7	3300.6	3408.6	3374.8	3241.3	3137.5	3118.5
25°	2465.2	2480.0	2572.3	2768.4	3049.3	3343.5	3535.4	3514.0	3346.8	3217.4	3191.0
27.5°	2345.7	2361.4	2461.9	2675.3	2986.7	3359.9	3660.7	3671.4	3474.5	3305.6	3277.5
30°	2251.8	2266.6	2373.7	2600.3	2906.0	3343.5	3770.3	3844.4	3604.6	3382.2	3341.8
32.5°	2148.8	2167.7	2280.6	2508.8	2810.4	3303.9	3865.8	4031.4	3755.4	3464.6	3413.5
35°	2018.6	2035.9	2154.5	2383.6	2685.2	3240.5	3945.7	4239.1	3971.3	3589.8	3533.0
37.5°	1860.4	1876.9	1994.7	2227.1	2560.7	3151.5	4006.7	4473.1	4228.4	3770.3	3694.5
40°	1701.4	1717.0	1827.5	2052.4	2411.6	3037.8	4028.1	4702.1	4523.3	4018.3	3937.5
42.5°	1555.6	1569.6	1670.9	1880.2	2244.4	2892.8	4000.1	4901.5	4787.8	4191.3	4087.5
45°	1421.3	1433.6	1523.4	1718.7	2070.5	2716.5	3916.1	5115.7	5102.5	4314.9	4174.8
47.5°	1268.0	1280.4	1373.5	1562.2	1896.7	2509.7	3773.5	5326.6	5540.0	4595.0	4433.5
50°	1081.0	1091.7	1187.3	1381.7	1716.2	2289.7	3575.8	5492.2	6092.1	5019.3	4816.6
52.5°	859.3	870.9	964.0	1158.4	1502.0	2053.2	3315.5	5600.2	6729.8	5638.9	5389.3
55°	639.4	647.6	728.3	903.0	1236.7	1783.8	2989.2	5630.7	7453.2	6485.9	6173.6
57.5°	463.9	468.8	520.7	650.9	937.6	1446.8	2592.9	5551.6	8314.2	7571.8	7178.8
60°	375.7	377.4	393.0	450.7	651.7	1066.2	2114.2	5279.7	9248.5	8971.7	8476.5
62.5°	341.1	341.1	345.2	360.9	440.8	703.6	1535.0	4716.1	10250.4	10740.6	10077.4
65°	317.2	317.2	318.9	326.3	347.7	448.2	968.9	3798.3	11094.9	12812.8	11974.0
67.5°	295.8	296.6	295.8	298.3	310.6	331.2	561.9	2623.4	11549.7	14959.9	14054.4
70°	273.5	275.2	271.1	271.1	281.0	281.8	351.8	1438.6	11172.3	16759.3	16521.2
72.5°	247.2	249.6	243.1	241.4	248.8	245.5	264.5	690.4	9592.1	17296.5	17922.7
75°	224.1	227.4	212.6	208.5	208.5	206.0	215.0	354.3	6225.5	14109.6	15091.7
77.5°	203.5	210.1	186.2	173.0	169.7	162.3	175.5	216.7	2723.1	6624.3	6486.7
80°	168.1	177.1	153.2	137.6	131.8	123.6	138.4	151.6	809.9	1538.3	1473.2
82.5°	125.2	129.4	108.8	98.0	93.1	87.3	103.8	105.5	263.7	544.6	615.5
85°	79.9	81.6	66.7	57.7	55.2	52.7	65.9	57.7	100.5	400.4	581.7
87.5°	28.0	32.1	25.5	23.1	24.7	20.6	30.5	17.3	28.0	282.6	350.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)