

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: P942233

Luminaire Tested: **GALN-SB6A-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942233
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-SB6A-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16380 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

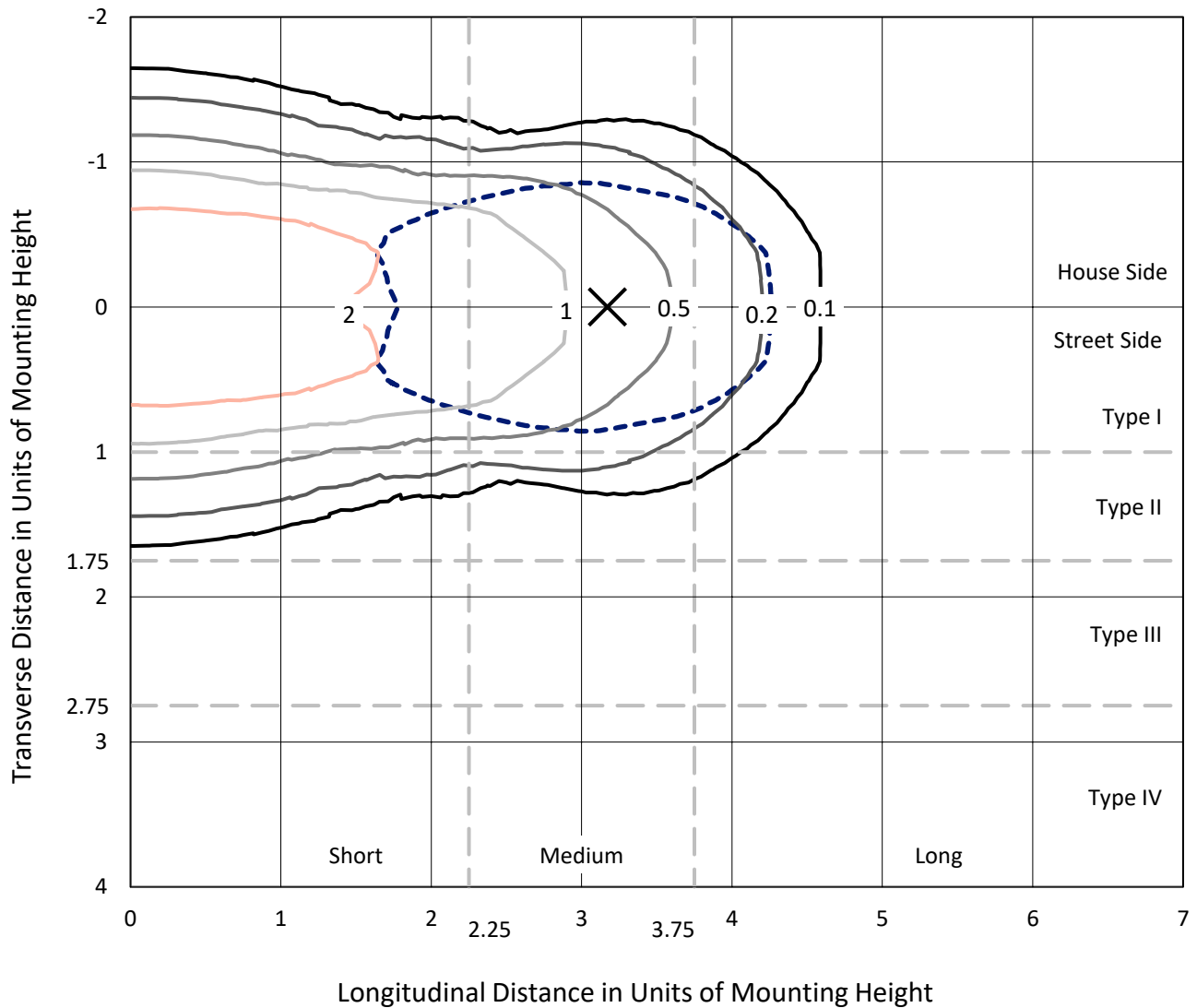
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

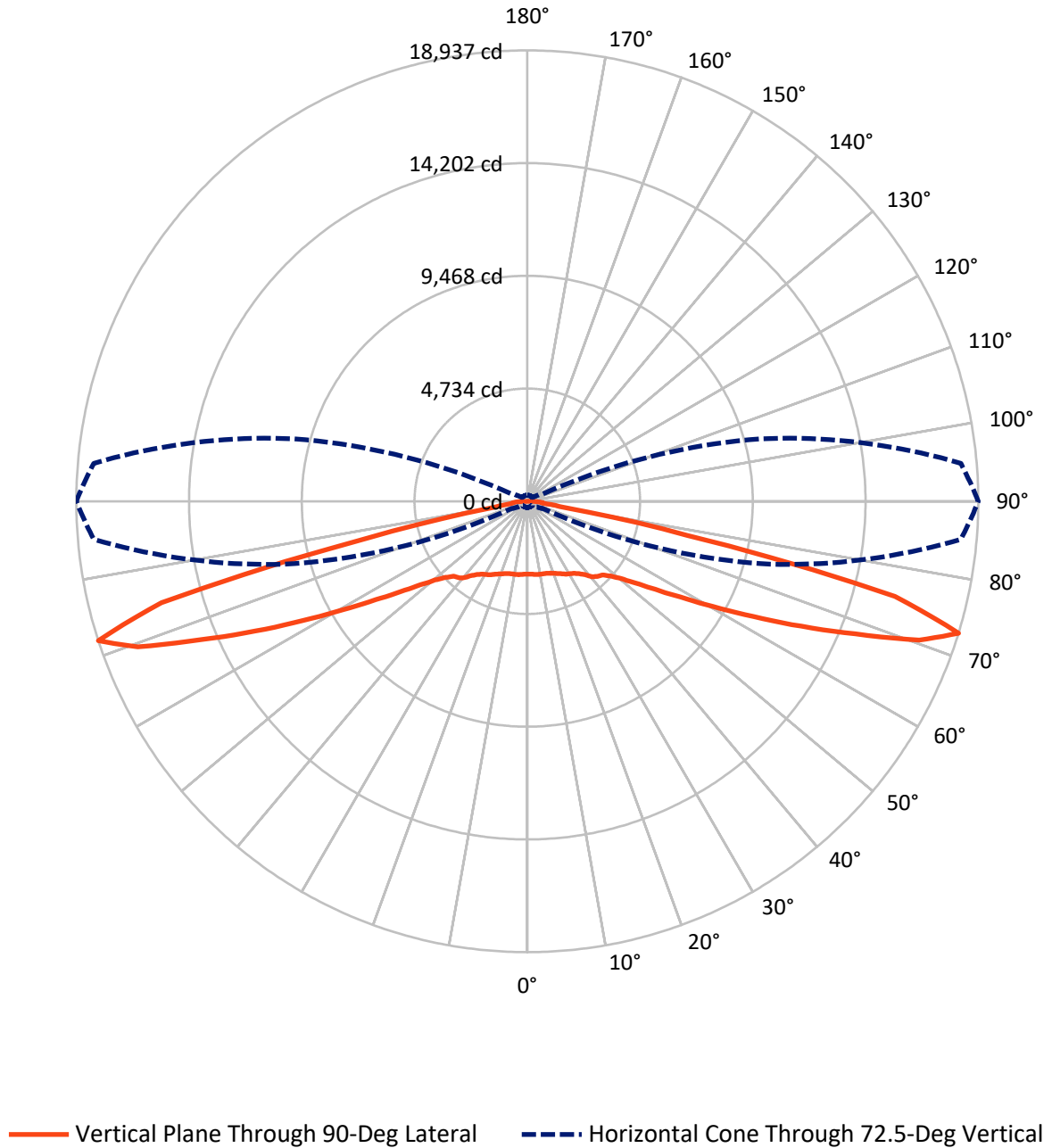
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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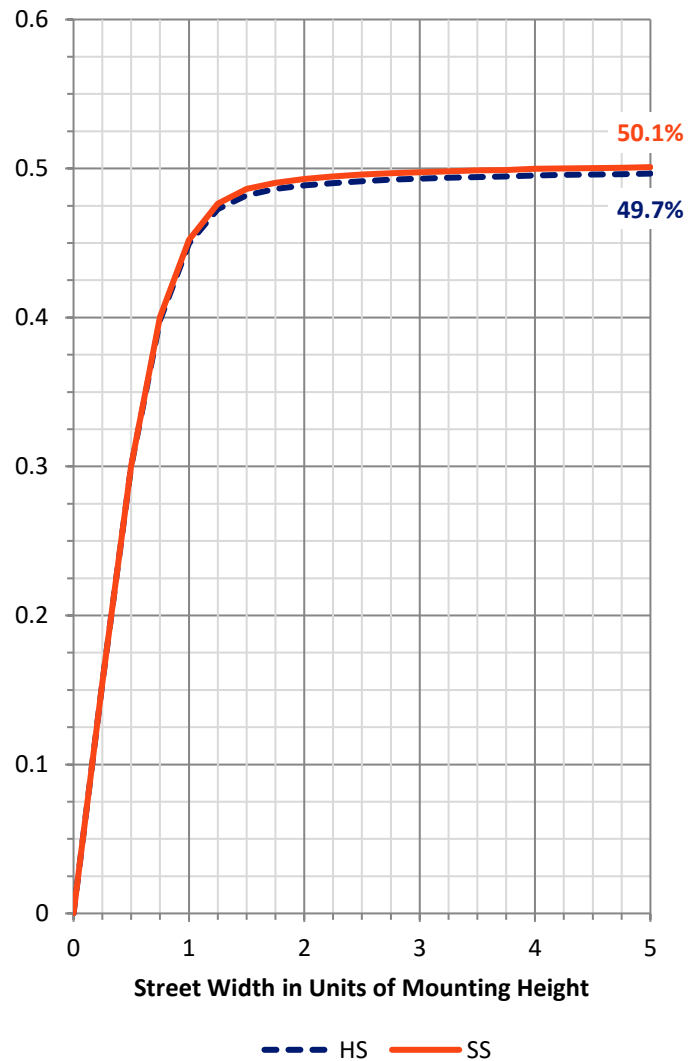
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8190.0	0.0	8190.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8190.0	0.0	8190.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16380.0	0.0	16380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.8	1.8
10°-20°	907.4	5.5
20°-30°	1513.1	9.2
30°-40°	2080.9	12.7
40°-50°	2541.4	15.5
50°-60°	2939.4	17.9
60°-70°	3504.7	21.4
70°-80°	2446.1	14.9
80°-90°	150.2	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°	16380.0	100.0
0°-180°	16380.0	100.0

Coefficient of Utilization



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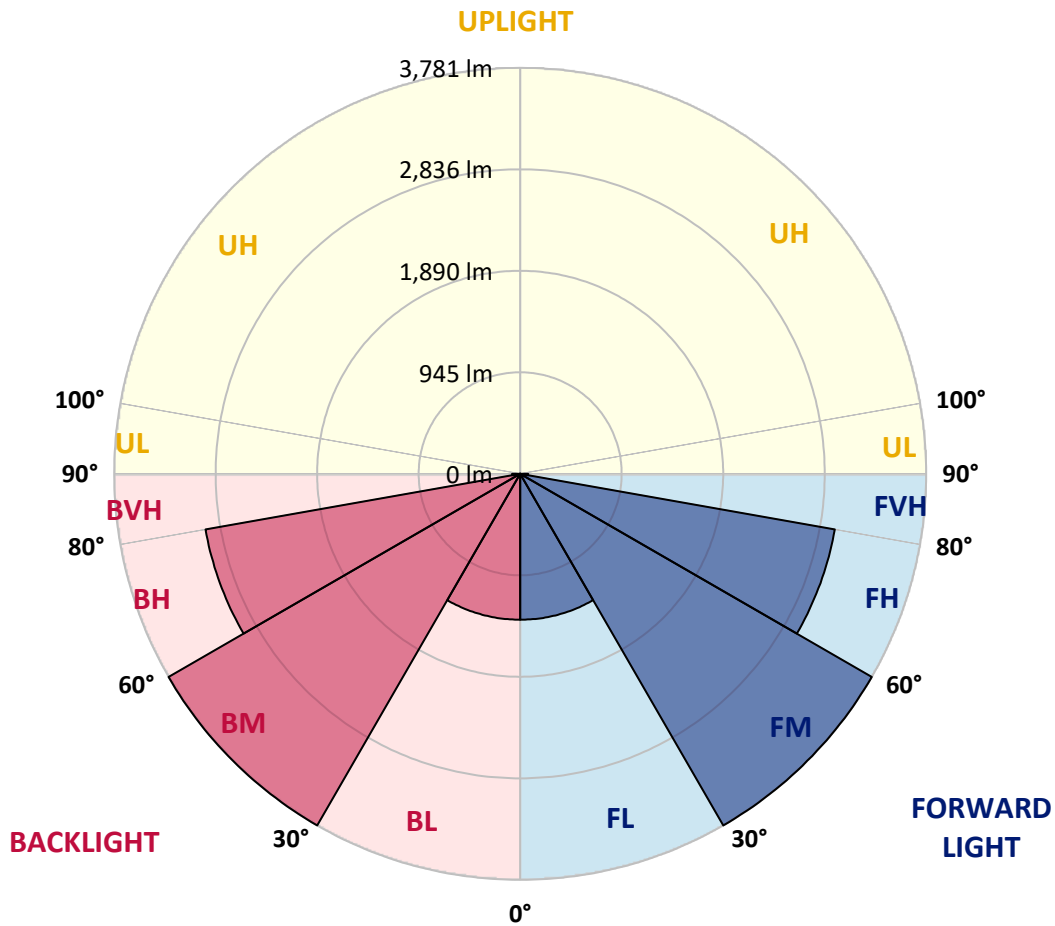
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1358.6	8.3			
FM (30°-60°)	3780.8	23.1			
FH (60°-80°)	2975.4	18.2			G2/5000
FVH (80°-90°)	75.1	0.5			G1/100
BL (0°-30°)	1358.6	8.3	B3/2500		
BM (30°-60°)	3780.8	23.1	B3/5000		
BH (60°-80°)	2975.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	75.1	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°
0°	3060.8	3060.8	3060.8	3060.8	3060.8	3060.8	3060.8	3060.8	3060.8	3060.8
2.5°	3063.4	3066.9	3066.9	3064.3	3070.4	3065.1	3065.1	3062.5	3065.1	3062.5
5°	3079.1	3083.4	3085.2	3084.3	3092.1	3087.8	3087.8	3084.3	3085.2	3082.5
7.5°	3108.7	3114.7	3118.2	3122.6	3133.9	3128.7	3125.2	3114.7	3110.4	3103.4
10°	3118.2	3125.2	3136.5	3159.1	3185.3	3186.1	3175.7	3149.6	3129.5	3113.9
12.5°	3088.6	3098.2	3121.7	3167.9	3226.2	3249.7	3233.1	3189.6	3150.4	3122.6
15°	3051.2	3061.6	3097.3	3167.0	3253.2	3308.0	3306.3	3248.8	3186.1	3142.6
17.5°	2992.9	3003.3	3054.7	3152.2	3274.1	3364.6	3389.0	3329.8	3241.8	3183.5
20°	2887.5	2897.1	2968.5	3105.2	3281.0	3424.7	3488.2	3436.0	3326.3	3247.1
22.5°	2750.9	2765.7	2849.2	3024.2	3264.5	3487.3	3601.4	3565.7	3424.7	3315.0
25°	2604.6	2620.3	2717.8	2925.0	3221.8	3532.6	3735.4	3712.8	3536.1	3399.4
27.5°	2478.4	2494.9	2601.1	2826.6	3155.7	3550.0	3867.8	3879.1	3671.0	3492.6
30°	2379.2	2394.8	2508.0	2747.4	3070.4	3532.6	3983.5	4061.9	3808.6	3573.5
32.5°	2270.3	2290.4	2409.6	2650.8	2969.4	3490.8	4084.5	4259.5	3967.9	3660.6
35°	2132.8	2151.1	2276.4	2518.4	2837.1	3423.8	4169.0	4478.9	4195.9	3792.9
37.5°	1965.7	1983.1	2107.5	2353.0	2705.6	3329.8	4233.4	4726.1	4467.5	3983.5
40°	1797.6	1814.2	1930.8	2168.5	2548.0	3209.6	4256.0	4968.1	4779.2	4245.6
42.5°	1643.6	1658.4	1765.4	1986.5	2371.3	3056.4	4226.4	5178.8	5058.6	4428.4
45°	1501.7	1514.7	1609.6	1815.9	2187.6	2870.1	4137.6	5405.1	5391.2	4559.0
47.5°	1339.7	1352.8	1451.2	1650.5	2004.0	2651.6	3987.0	5628.0	5853.4	4854.9
50°	1142.1	1153.4	1254.4	1459.9	1813.3	2419.2	3778.1	5802.9	6436.7	5303.3
52.5°	908.0	920.1	1018.5	1224.0	1587.0	2169.4	3503.0	5917.0	7110.5	5957.9
55°	675.5	684.2	769.5	954.1	1306.7	1884.7	3158.3	5949.2	7874.8	6852.8
57.5°	490.1	495.3	550.2	687.7	990.7	1528.6	2739.6	5865.6	8784.5	8000.2
60°	397.0	398.7	415.2	476.2	688.6	1126.5	2233.8	5578.3	9771.7	9479.2
62.5°	360.4	360.4	364.8	381.3	465.7	743.4	1621.8	4982.9	10830.2	11348.2
65°	335.2	335.2	336.9	344.7	367.4	473.6	1023.7	4013.1	11722.5	13537.6
67.5°	312.5	313.4	312.5	315.1	328.2	350.0	593.7	2771.8	12203.1	15806.2
70°	289.0	290.8	286.4	286.4	296.8	297.7	371.7	1519.9	11804.4	17707.4
72.5°	261.2	263.8	256.8	255.1	262.9	259.4	279.4	729.5	10134.7	18275.0
75°	236.8	240.3	224.6	220.2	220.2	217.6	227.2	374.3	6577.7	14907.8
77.5°	215.0	222.0	196.7	182.8	179.3	171.5	185.4	228.9	2877.1	6999.0
80°	177.6	187.2	161.9	145.4	139.3	130.6	146.2	160.2	855.7	1625.3
82.5°	132.3	136.7	114.9	103.6	98.4	92.3	109.7	111.4	278.6	575.4
85°	84.4	86.2	70.5	60.9	58.3	55.7	69.6	60.9	106.2	423.1
87.5°	29.6	34.0	27.0	24.4	26.1	21.8	32.2	18.3	29.6	298.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3060.8
3062.5
3082.5
3103.4
3111.3
3118.2
3135.6
3173.9
3232.3
3294.9
3371.6
3463.0
3530.9
3606.6
3732.8
3903.4
4160.3
4318.7
4411.0
4684.3
5089.1
5694.1
6522.9
7584.9
8956.0
10647.4
12651.4
14849.5
17455.8
18936.6
15945.5
6853.7
1556.5
650.3
614.6
370.0
0.0

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