

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: P948401

Luminaire Tested: **GALN-SB3C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948401
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-SB3C-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19451 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 149.1
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

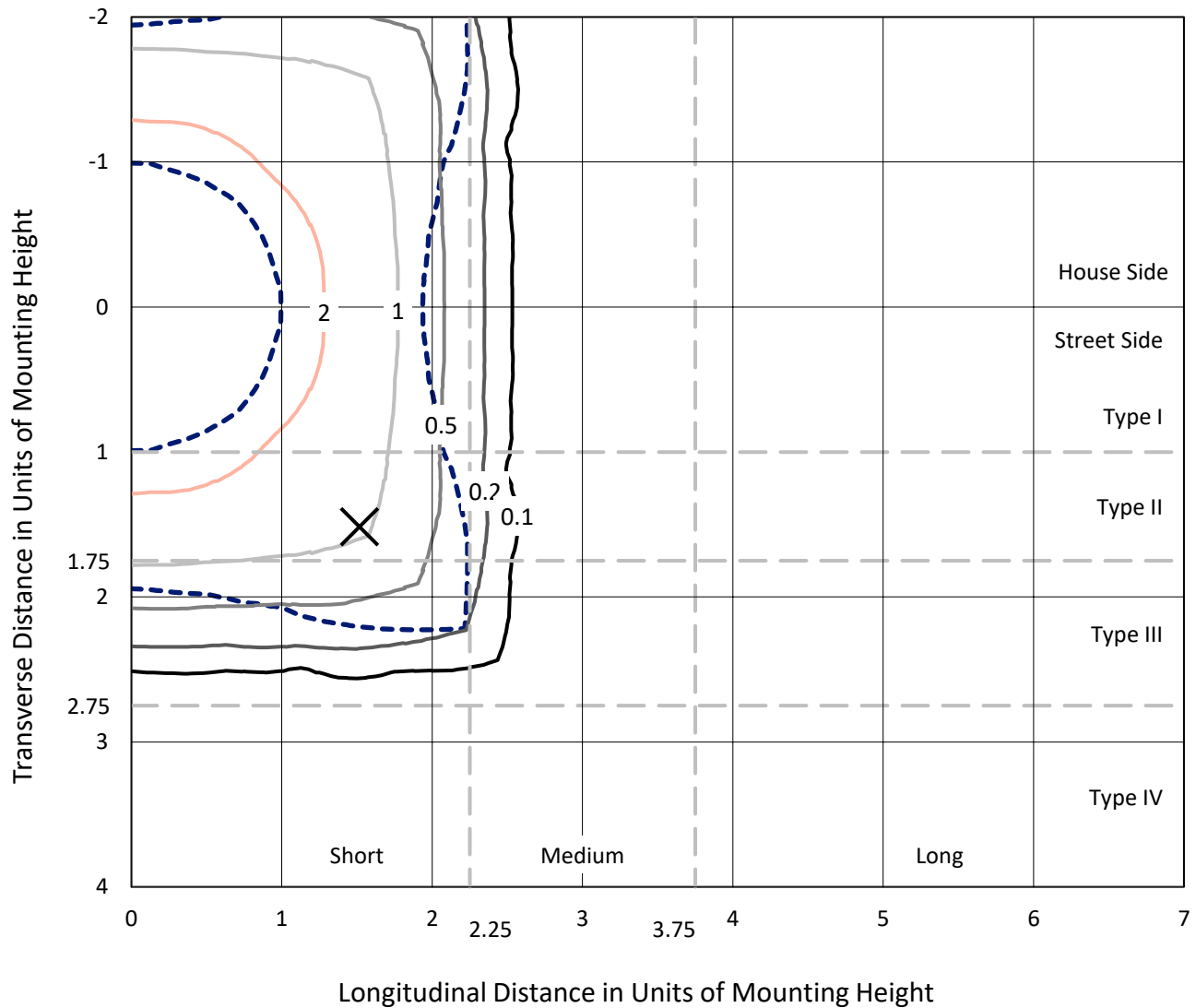


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

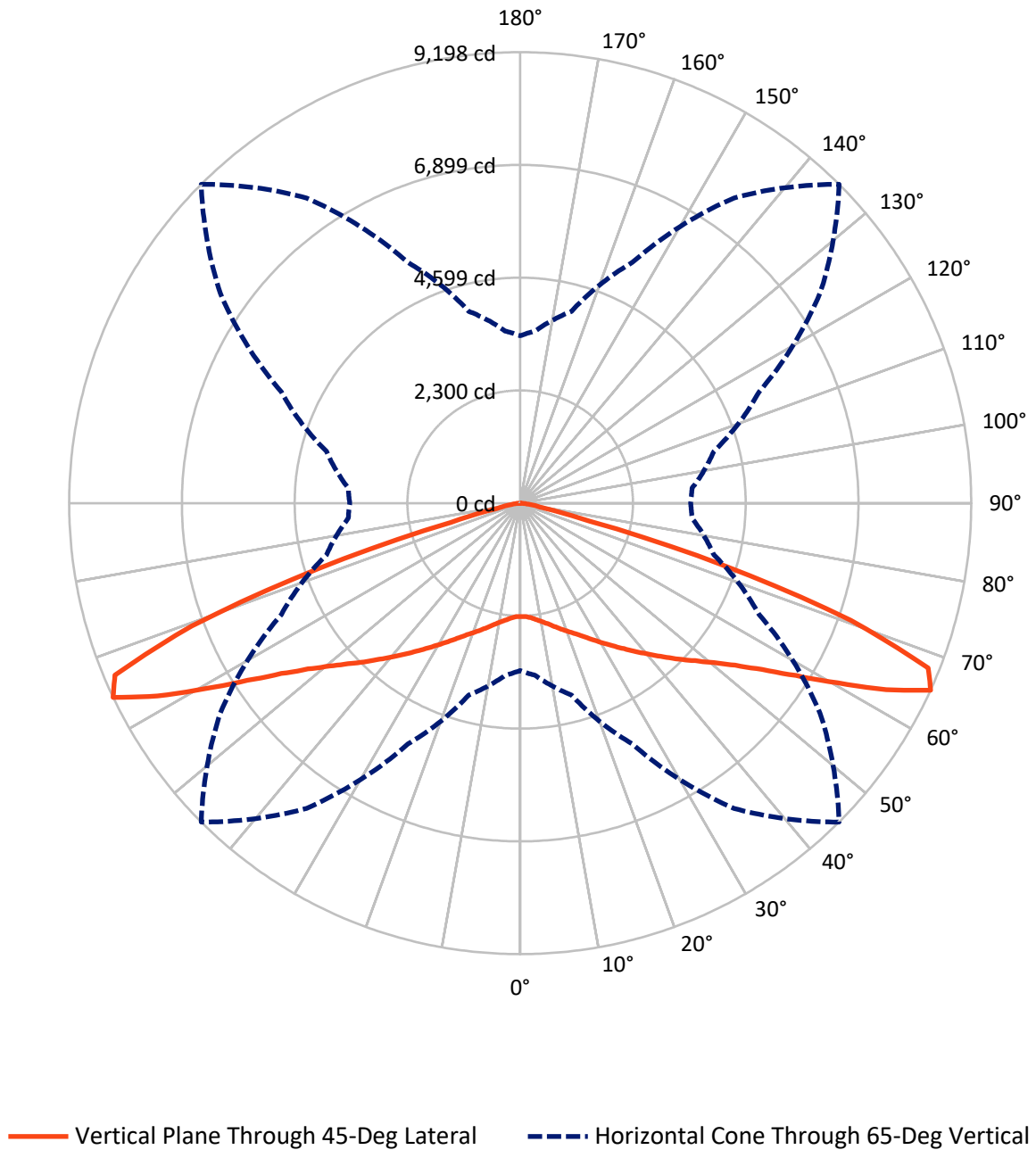


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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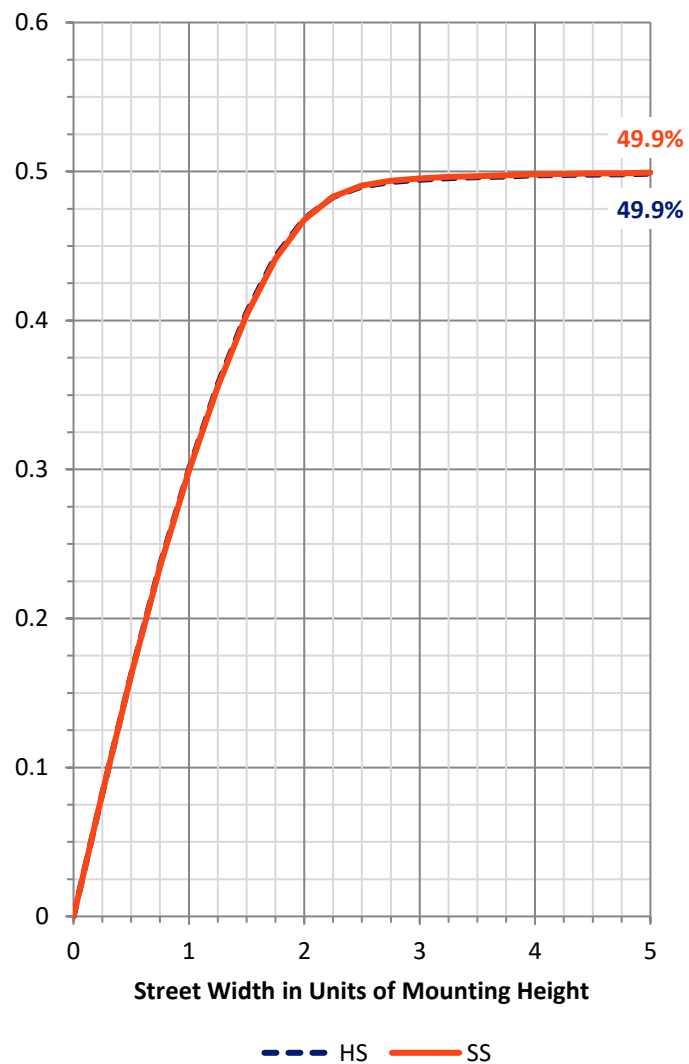
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9725.5	0.0	9725.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9725.5	0.0	9725.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19451.0	0.0	19451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.5	1.2
10°-20°	745.5	3.8
20°-30°	1407.5	7.2
30°-40°	2304.8	11.8
40°-50°	3573.6	18.4
50°-60°	5278.9	27.1
60°-70°	5025.0	25.8
70°-80°	810.9	4.2
80°-90°	76.4	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°	19451.0	100.0
0°-180°	19451.0	100.0

Coefficient of Utilization



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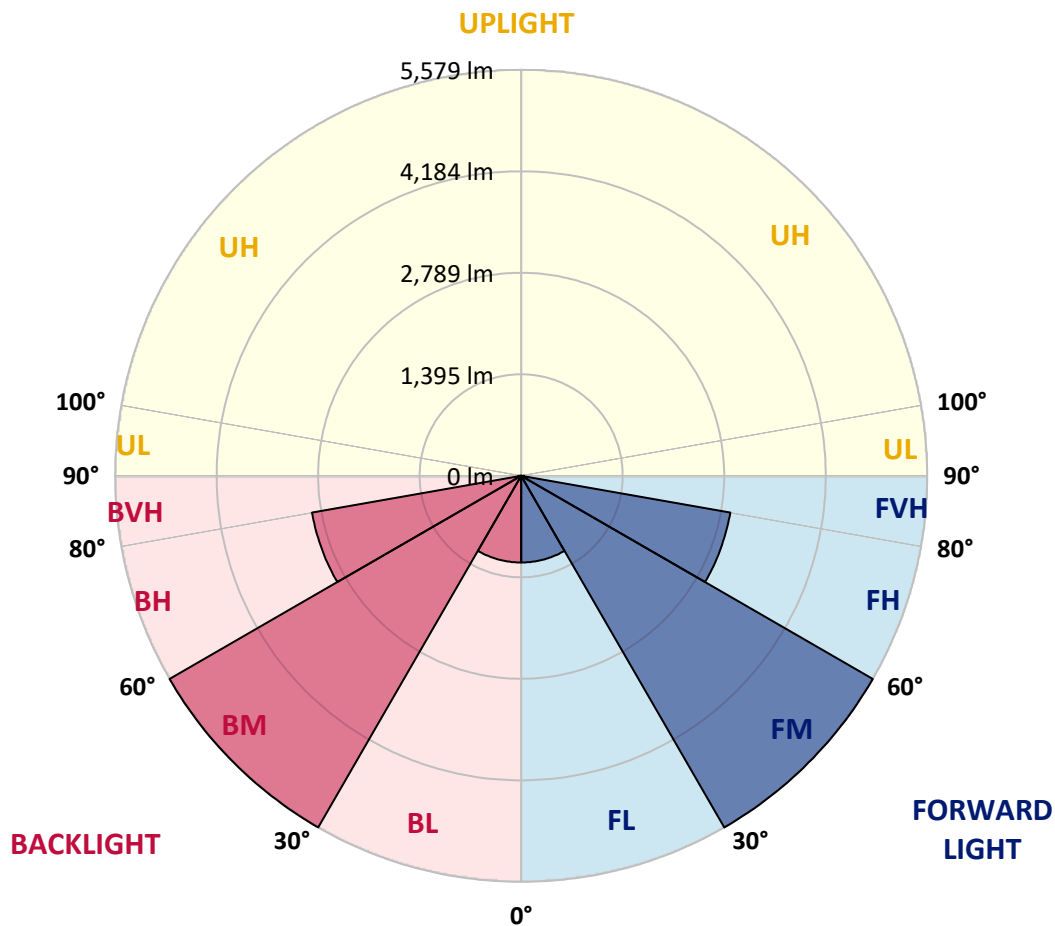
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1190.7	6.1			
FM	(30°-60°)	5578.6	28.7			
FH	(60°-80°)	2917.9	15.0			G2/5000
FVH	(80°-90°)	38.2	0.2			G1/100
BL	(0°-30°)	1190.7	6.1	B3/2500		
BM	(30°-60°)	5578.6	28.7	B4/8500		
BH	(60°-80°)	2917.9	15.0	B4/5000		G2/5000
BVH	(80°-90°)	38.2	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°	90°
0°	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9	2314.9
2.5°	2330.5	2322.7	2328.5	2323.6	2319.7	2315.8	2317.8	2324.6	2327.6	2328.5	2328.5
5°	2361.7	2354.9	2357.8	2357.8	2351.0	2349.0	2350.0	2354.9	2360.7	2360.7	2360.7
7.5°	2412.5	2405.6	2412.5	2408.6	2402.7	2400.7	2399.8	2403.7	2412.5	2412.5	2409.5
10°	2473.9	2466.1	2470.0	2468.1	2461.3	2458.3	2457.3	2463.2	2471.0	2470.0	2468.1
12.5°	2541.3	2532.5	2537.4	2531.5	2529.6	2526.6	2526.6	2525.7	2530.5	2526.6	2528.6
15°	2616.4	2610.6	2612.5	2608.6	2611.5	2609.6	2601.8	2597.9	2599.8	2594.0	2595.0
17.5°	2705.2	2691.6	2698.4	2696.4	2696.4	2700.3	2687.7	2682.8	2686.7	2680.8	2685.7
20°	2807.7	2794.0	2797.0	2793.1	2788.2	2792.1	2776.5	2780.4	2783.3	2779.4	2788.2
22.5°	2919.9	2902.4	2901.4	2903.3	2892.6	2893.6	2882.8	2892.6	2898.5	2887.7	2898.5
25°	3035.1	3016.5	3029.2	3024.4	3010.7	3013.6	3005.8	3015.6	3020.4	3006.8	3022.4
27.5°	3157.1	3144.4	3156.1	3159.0	3142.4	3154.1	3142.4	3151.2	3156.1	3135.6	3151.2
30°	3299.6	3286.9	3297.6	3305.4	3285.9	3304.4	3294.7	3300.5	3301.5	3277.1	3291.8
32.5°	3454.7	3435.2	3462.5	3466.4	3445.0	3467.4	3454.7	3462.5	3467.4	3434.2	3456.7
35°	3644.1	3619.7	3650.9	3646.0	3627.5	3646.0	3634.3	3646.0	3657.7	3617.7	3642.1
37.5°	3848.0	3822.6	3855.8	3847.0	3829.5	3842.2	3835.3	3843.1	3861.7	3818.7	3845.1
40°	4072.5	4041.3	4086.1	4070.5	4053.9	4052.0	4055.9	4060.8	4085.2	4037.3	4053.0
42.5°	4312.6	4279.4	4346.7	4322.3	4298.9	4283.3	4296.0	4305.7	4329.1	4275.5	4303.8
45°	4586.8	4548.7	4636.6	4607.3	4570.2	4538.0	4558.5	4573.1	4607.3	4542.9	4576.1
47.5°	4889.3	4846.4	4940.1	4931.3	4870.8	4800.5	4847.4	4889.3	4914.7	4836.6	4863.0
50°	5185.0	5151.8	5274.8	5285.5	5211.4	5112.8	5178.2	5241.6	5248.5	5146.0	5158.7
52.5°	5462.2	5429.0	5607.6	5674.9	5608.6	5491.5	5560.7	5625.2	5573.4	5440.7	5444.6
55°	5683.7	5656.4	5883.8	6057.5	6079.9	5983.3	6024.3	6022.4	5852.5	5648.6	5655.4
57.5°	5737.4	5733.5	6020.4	6388.3	6622.5	6634.3	6553.2	6346.4	5980.4	5706.2	5688.6
60°	5493.4	5517.8	5912.1	6561.1	7185.6	7445.2	7094.9	6504.5	5835.0	5454.4	5409.5
62.5°	4763.4	4827.8	5303.1	6350.3	7640.4	8378.2	7529.2	6264.4	5237.7	4741.0	4711.7
65°	3413.7	3526.0	4051.0	5419.2	7599.4	9198.0	7466.7	5375.3	4090.0	3517.2	3475.2
67.5°	1548.8	1663.0	2108.9	3710.4	6605.9	8975.5	6590.3	3749.5	2214.3	1668.8	1644.4
70°	561.1	580.7	724.1	1485.3	4221.8	7151.5	4402.3	1496.1	770.0	618.7	610.9
72.5°	339.6	342.5	372.8	531.9	1466.8	4341.8	1529.3	549.4	380.6	337.7	343.5
75°	215.7	213.7	265.4	325.0	520.2	1464.8	545.5	325.0	264.5	241.1	243.0
77.5°	155.2	160.0	190.3	243.0	327.9	496.7	322.1	232.3	190.3	156.1	159.1
80°	116.1	119.1	138.6	189.3	230.3	309.4	204.9	171.8	143.5	97.6	100.5
82.5°	83.9	83.9	90.8	137.6	140.5	166.9	111.3	121.0	94.7	69.3	69.3
85°	49.8	48.8	56.6	82.0	73.2	61.5	50.7	74.2	59.5	42.9	42.0
87.5°	17.6	18.5	17.6	23.4	19.5	16.6	15.6	20.5	16.6	14.6	13.7
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)