

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: P948425

Luminaire Tested: **GALN-SB3C-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21462 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

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



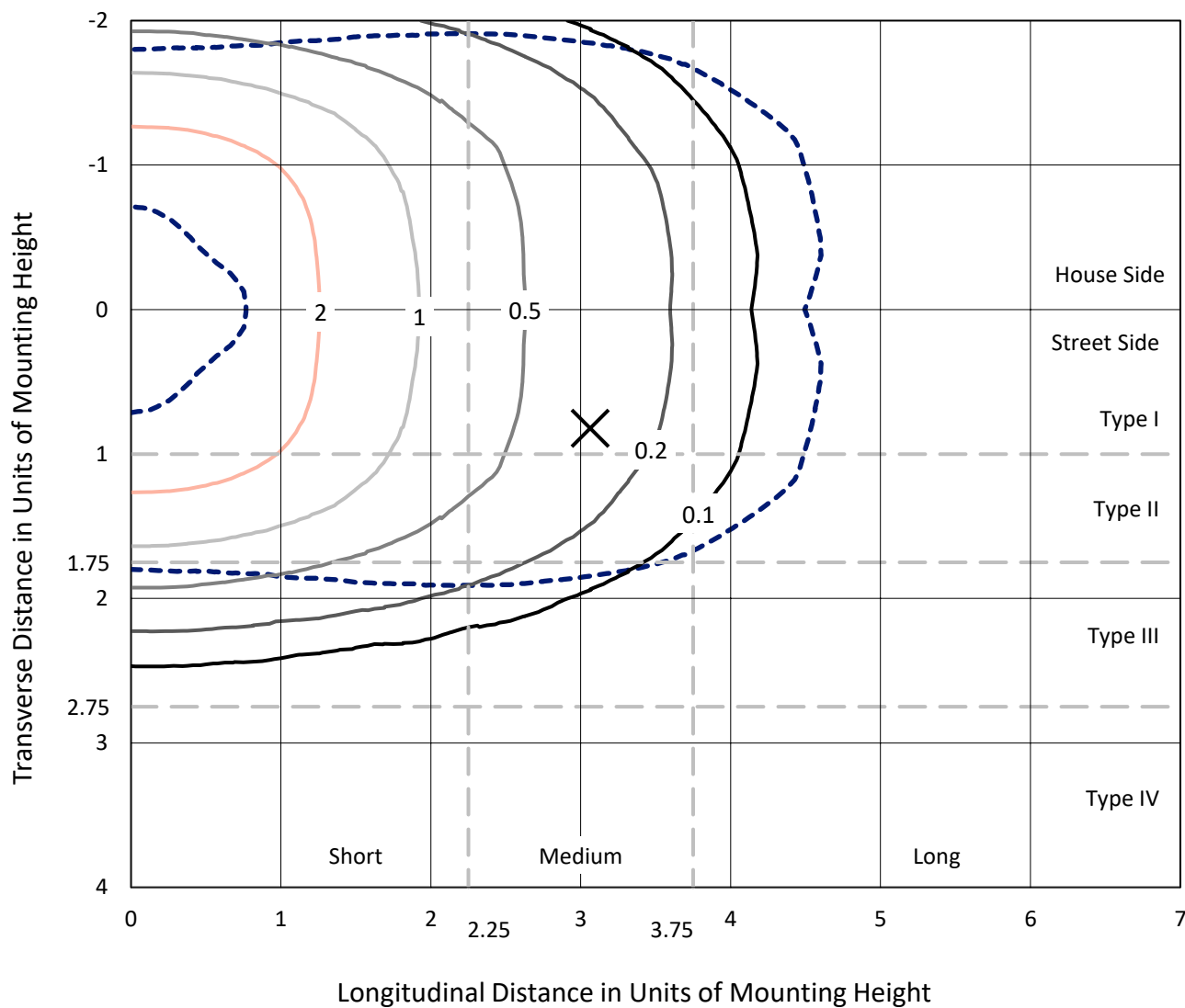
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Iso-Footcandle Lines of Horizontal Illumination

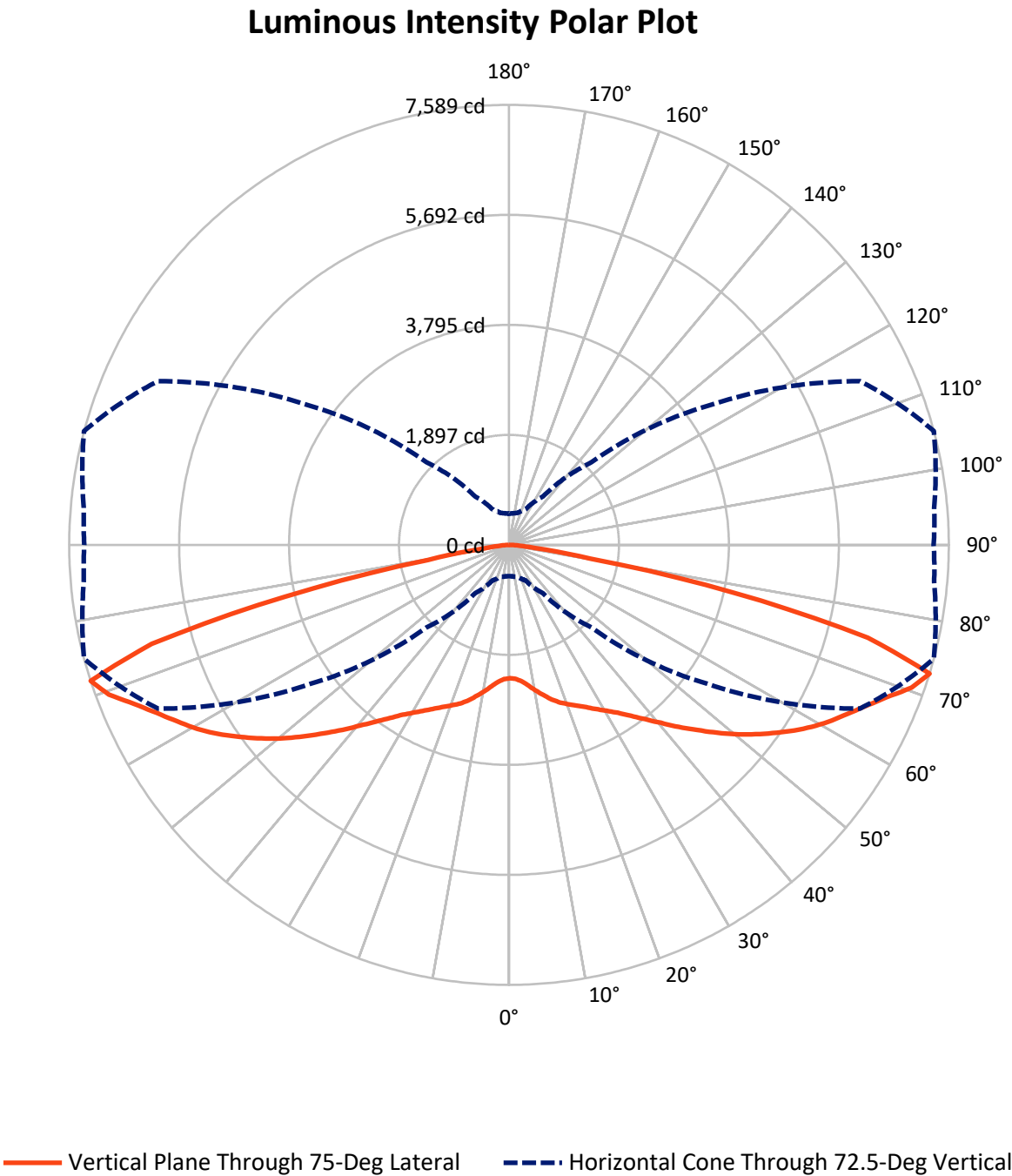
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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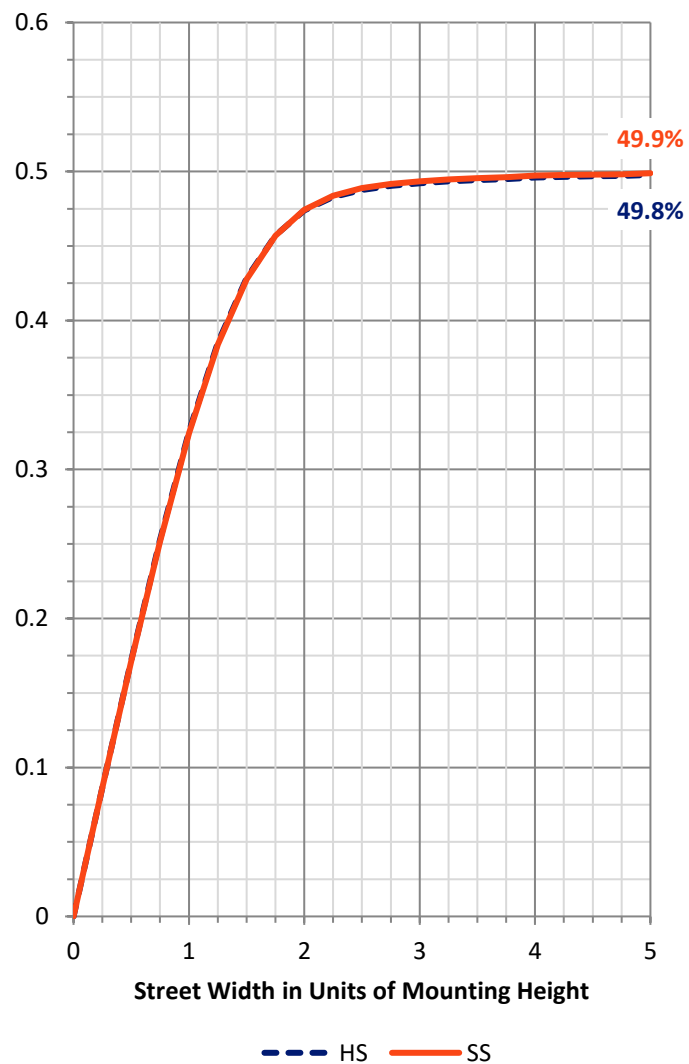
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10731.0	0.0	10731.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10731.0	0.0	10731.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21462.0	0.0	21462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	1.0
10°-20°	742.8	3.5
20°-30°	1435.2	6.7
30°-40°	2423.5	11.3
40°-50°	3843.4	17.9
50°-60°	5145.9	24.0
60°-70°	4897.2	22.8
70°-80°	2555.4	11.9
80°-90°	193.4	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°	21462.0	100.0
0°-180°	21462.0	100.0

Coefficient of Utilization



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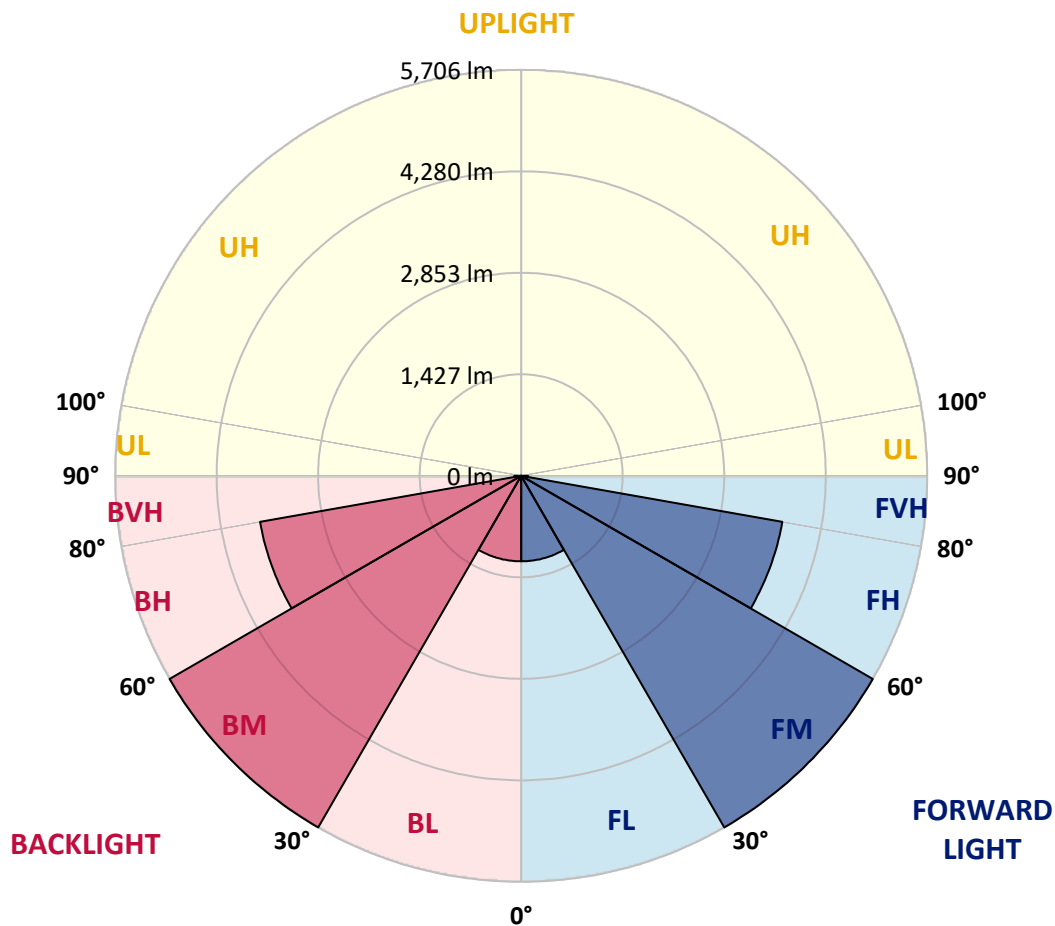
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1201.6	5.6			
FM	(30°-60°)	5706.4	26.6			
FH	(60°-80°)	3726.3	17.4			G2/5000
FVH	(80°-90°)	96.7	0.5			G1/100
BL	(0°-30°)	1201.6	5.6	B3/2500		
BM	(30°-60°)	5706.4	26.6	B4/8500		
BH	(60°-80°)	3726.3	17.4	B4/5000		G4/5000
BVH	(80°-90°)	96.7	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0	2299.0
2.5°	2299.0	2296.8	2299.0	2301.2	2300.1	2300.1	2305.5	2308.8	2315.4	2314.3	2313.2
5°	2283.6	2282.5	2291.3	2301.2	2308.8	2322.0	2338.4	2350.5	2365.8	2369.1	2369.1
7.5°	2276.0	2272.7	2288.0	2305.5	2329.6	2362.5	2394.3	2427.2	2453.5	2462.2	2464.4
10°	2281.4	2282.5	2303.3	2336.2	2374.6	2420.6	2465.5	2521.4	2558.7	2567.4	2576.2
12.5°	2306.6	2304.4	2339.5	2392.1	2444.7	2502.8	2555.4	2616.7	2657.3	2678.1	2686.9
15°	2352.7	2348.3	2397.6	2475.4	2552.1	2620.0	2662.8	2720.8	2768.0	2794.3	2804.1
17.5°	2407.4	2409.6	2474.3	2575.1	2675.9	2752.6	2793.2	2822.8	2858.9	2881.9	2892.9
20°	2503.9	2508.3	2580.6	2700.0	2815.1	2902.7	2935.6	2924.7	2934.5	2952.1	2965.2
22.5°	2633.2	2635.4	2716.5	2845.8	2966.3	3062.7	3084.6	3039.7	3012.3	3024.4	3033.1
25°	2783.3	2797.5	2878.6	3011.2	3135.1	3227.1	3237.0	3169.0	3101.1	3104.4	3109.8
27.5°	2966.3	2979.4	3061.6	3193.1	3319.1	3399.1	3398.0	3307.1	3207.4	3182.2	3189.8
30°	3164.6	3178.9	3263.3	3399.1	3516.4	3586.5	3571.2	3462.7	3320.2	3273.1	3278.6
32.5°	3400.2	3409.0	3494.5	3630.3	3738.8	3794.7	3762.9	3629.3	3451.7	3398.0	3411.2
35°	3685.1	3698.3	3761.8	3890.0	3985.4	4031.4	3977.7	3819.9	3620.5	3560.2	3569.0
37.5°	4010.6	4001.8	4074.1	4188.1	4267.0	4295.5	4222.1	4034.7	3813.3	3742.1	3755.3
40°	4350.3	4345.9	4424.8	4534.4	4577.1	4594.6	4486.2	4281.2	4035.8	3959.1	3984.3
42.5°	4658.2	4654.9	4761.2	4882.8	4934.3	4914.6	4777.6	4543.1	4293.3	4205.6	4227.6
45°	4904.7	4900.4	5030.8	5201.7	5302.5	5269.6	5085.6	4832.4	4554.1	4463.1	4484.0
47.5°	5094.3	5096.5	5236.8	5448.3	5624.7	5636.7	5400.0	5127.2	4841.2	4738.2	4768.9
50°	5231.3	5237.9	5388.0	5622.5	5863.6	5969.9	5721.1	5429.6	5138.2	5022.0	5057.1
52.5°	5265.3	5277.3	5458.1	5733.2	6017.0	6219.7	6047.7	5720.0	5419.8	5309.1	5337.6
55°	5084.5	5108.6	5337.6	5724.4	6111.2	6384.1	6334.8	6014.8	5703.6	5589.6	5621.4
57.5°	4669.2	4703.1	4970.5	5475.7	6090.4	6496.9	6557.2	6297.5	5987.4	5877.8	5903.0
60°	4087.3	4127.8	4384.3	4935.4	5796.7	6538.6	6713.9	6572.5	6248.2	6141.9	6164.9
62.5°	3209.6	3262.2	3569.0	4215.5	5176.5	6344.6	6847.6	6821.3	6482.7	6350.1	6365.4
65°	2059.0	2114.9	2438.1	3201.9	4349.2	5750.7	6889.2	7063.5	6730.3	6545.1	6568.2
67.5°	1241.5	1266.7	1426.7	1940.6	3178.9	4855.4	6536.4	7331.9	7019.6	6789.5	6807.0
70°	794.4	808.7	904.0	1139.6	1797.1	3542.7	5661.9	7382.3	7370.3	7040.4	7038.2
72.5°	539.1	543.5	568.7	675.0	1016.9	2013.0	4176.1	6683.2	7589.4	7363.7	7328.6
75°	394.5	418.6	459.1	477.8	577.5	1005.9	2393.2	4695.5	6396.1	6494.7	6255.9
77.5°	293.7	294.8	350.7	372.6	412.0	535.8	1012.5	2621.1	3971.1	4169.5	3719.1
80°	248.7	235.6	234.5	300.2	310.1	334.2	452.6	905.1	1422.3	862.4	652.0
82.5°	207.1	192.9	174.2	234.5	211.5	204.9	196.1	368.2	452.6	222.4	189.6
85°	144.6	138.1	131.5	153.4	120.5	103.0	94.2	172.0	190.7	94.2	83.3
87.5°	62.5	64.7	65.7	67.9	50.4	36.2	36.2	48.2	48.2	37.3	27.4
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)