

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: P948782

Luminaire Tested: **GALN-SB3D-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948782
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-SB3D-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29162 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 218.1
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

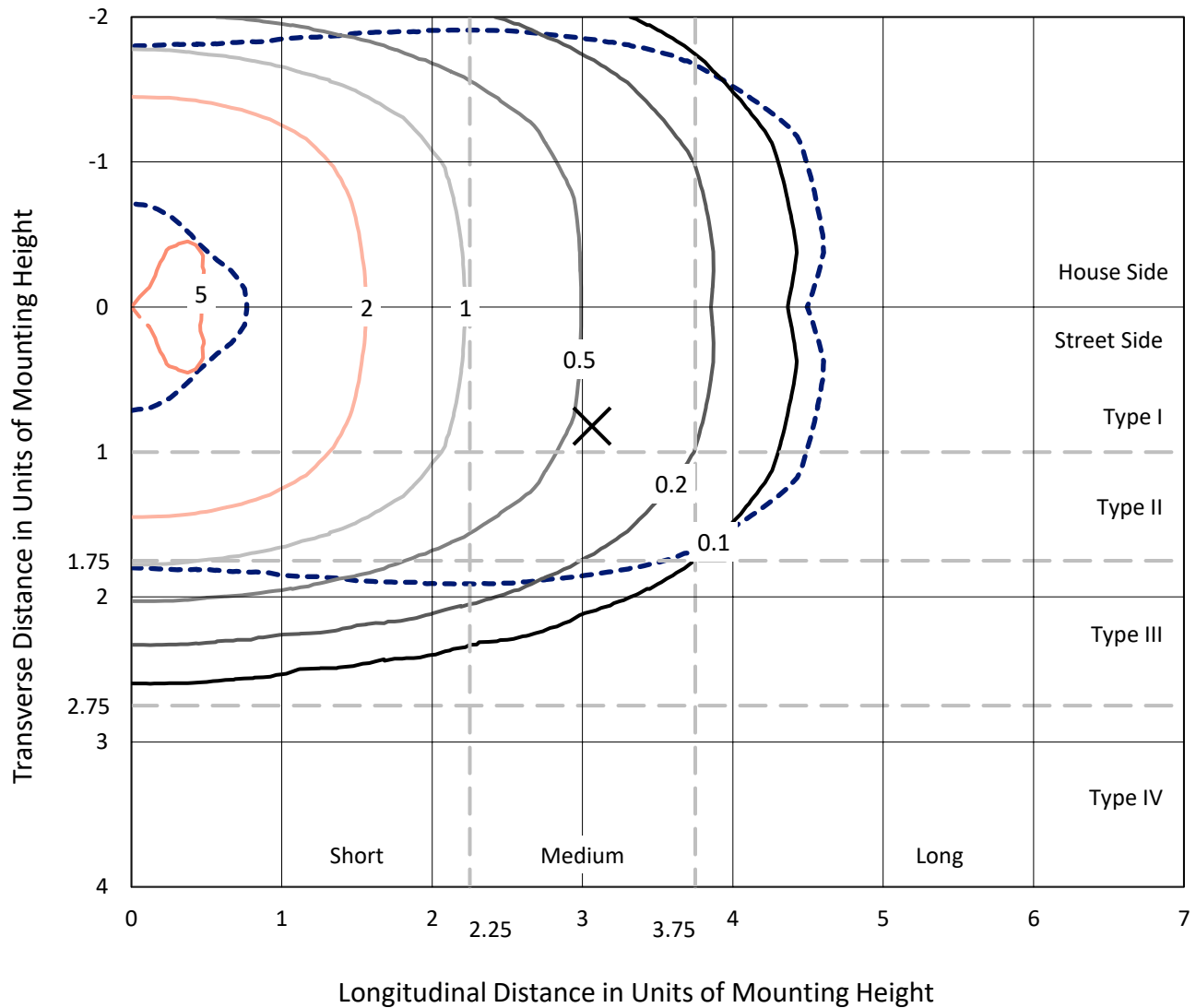


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

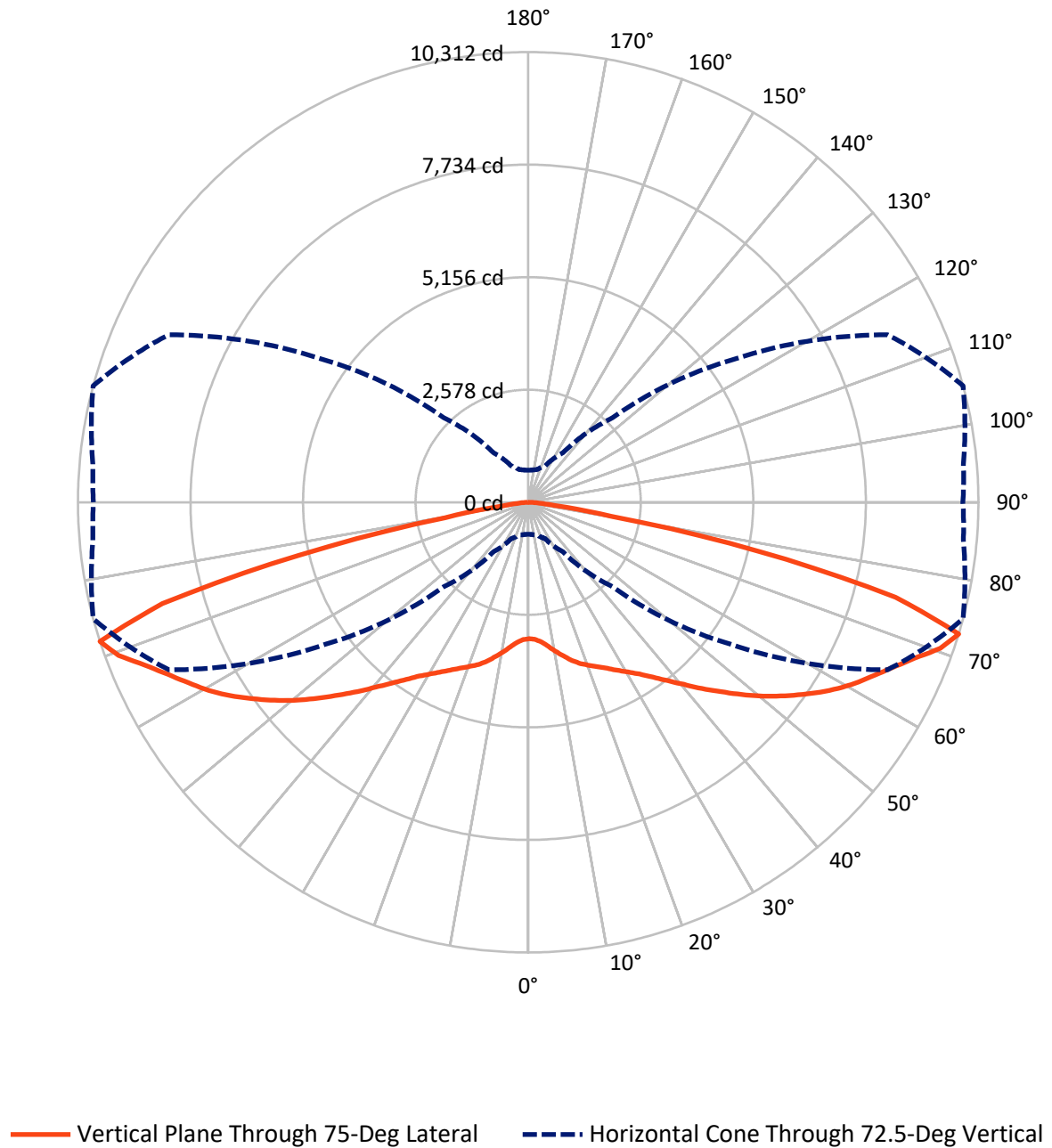


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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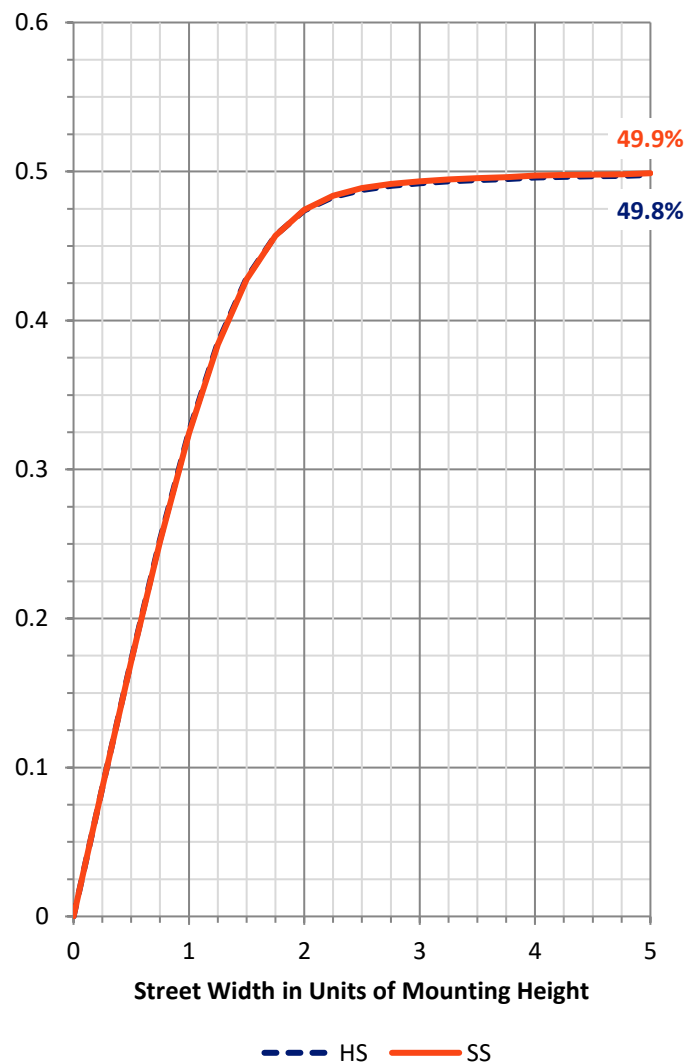
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14581.0	0.0	14581.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14581.0	0.0	14581.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29162.0	0.0	29162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.0	1.0
10°-20°	1009.3	3.5
20°-30°	1950.2	6.7
30°-40°	3293.0	11.3
40°-50°	5222.3	17.9
50°-60°	6992.0	24.0
60°-70°	6654.2	22.8
70°-80°	3472.3	11.9
80°-90°	262.8	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°	29162.0	100.0
0°-180°	29162.0	100.0

Coefficient of Utilization



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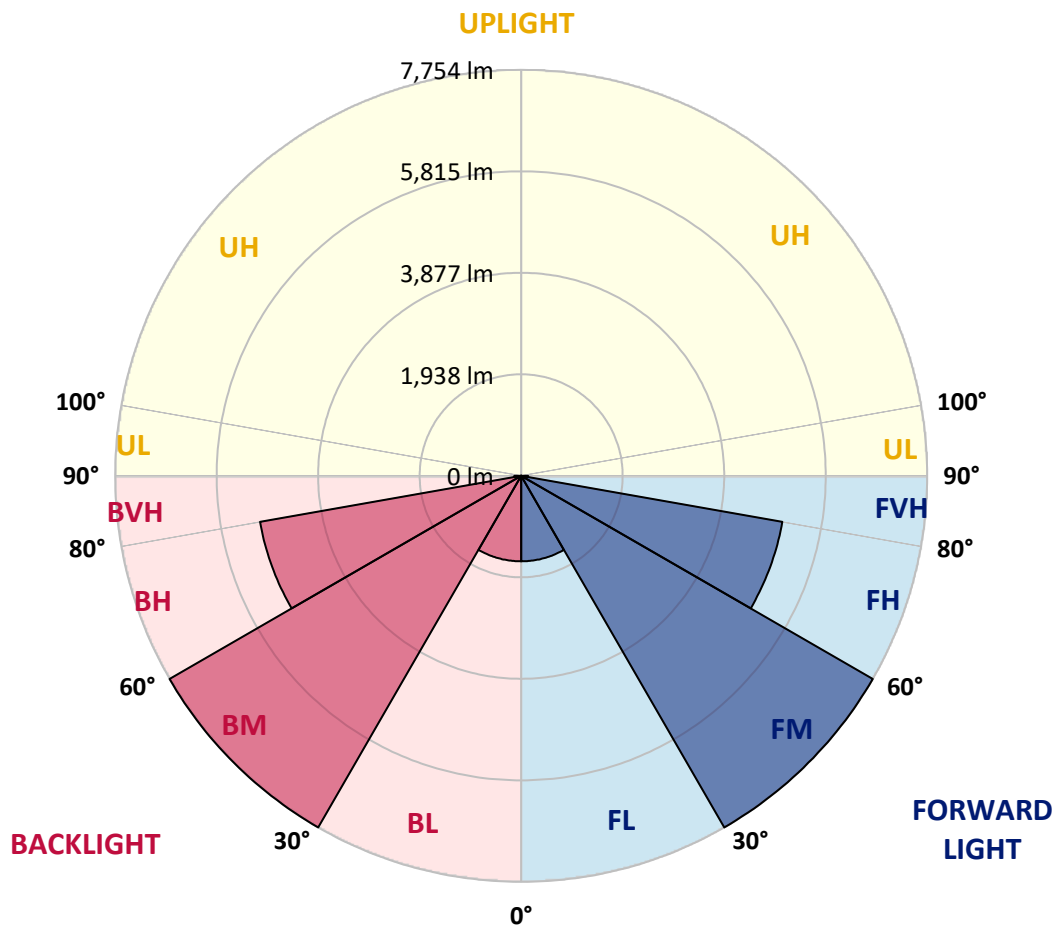
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1632.7	5.6			
FM	(30°-60°)	7753.7	26.6			
FH	(60°-80°)	5063.2	17.4			G3/7500
FVH	(80°-90°)	131.4	0.5			G2/225
BL	(0°-30°)	1632.7	5.6	B3/2500		
BM	(30°-60°)	7753.7	26.6	B4/8500		
BH	(60°-80°)	5063.2	17.4	B5		G5
BVH	(80°-90°)	131.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8
2.5°	3123.8	3120.8	3123.8	3126.8	3125.3	3125.3	3132.7	3137.2	3146.1	3144.6	3143.1
5°	3102.9	3101.4	3113.3	3126.8	3137.2	3155.0	3177.4	3193.8	3214.6	3219.1	3219.1
7.5°	3092.5	3088.0	3108.9	3132.7	3165.5	3210.1	3253.3	3298.0	3333.7	3345.6	3348.6
10°	3099.9	3101.4	3129.7	3174.4	3226.5	3289.0	3350.1	3426.0	3476.6	3488.6	3500.5
12.5°	3134.2	3131.2	3178.9	3250.3	3321.8	3400.7	3472.2	3555.6	3610.7	3638.9	3650.9
15°	3196.7	3190.8	3257.8	3363.5	3467.7	3560.0	3618.1	3697.0	3761.0	3796.8	3810.2
17.5°	3271.2	3274.2	3362.0	3499.0	3636.0	3740.2	3795.3	3835.5	3884.6	3915.9	3930.8
20°	3402.2	3408.2	3506.4	3668.7	3825.1	3944.2	3988.8	3974.0	3987.4	4011.2	4029.0
22.5°	3577.9	3580.9	3691.1	3866.7	4030.5	4161.6	4191.3	4130.3	4093.1	4109.4	4121.4
25°	3781.9	3801.2	3911.4	4091.6	4259.8	4384.9	4398.3	4306.0	4213.7	4218.1	4225.6
27.5°	4030.5	4048.4	4160.1	4338.7	4510.0	4618.7	4617.2	4493.6	4358.1	4323.8	4334.3
30°	4300.0	4319.4	4434.0	4618.7	4778.0	4873.3	4852.4	4705.0	4511.5	4447.4	4454.9
32.5°	4620.1	4632.1	4748.2	4932.8	5080.2	5156.2	5113.0	4931.3	4690.1	4617.2	4635.0
35°	5007.3	5025.1	5111.5	5285.7	5415.2	5477.8	5404.8	5190.4	4919.4	4837.5	4849.4
37.5°	5449.5	5437.6	5535.8	5690.7	5797.9	5836.6	5736.8	5482.2	5181.5	5084.7	5102.6
40°	5911.0	5905.1	6012.3	6161.2	6219.3	6243.1	6095.7	5817.2	5483.7	5379.5	5413.7
42.5°	6329.4	6325.0	6469.4	6634.7	6704.6	6677.8	6491.7	6173.1	5833.6	5714.5	5744.3
45°	6664.4	6658.5	6835.7	7067.9	7204.9	7160.3	6910.1	6566.2	6188.0	6064.4	6092.7
47.5°	6922.0	6925.0	7115.6	7403.0	7642.7	7659.0	7337.4	6966.7	6578.1	6438.1	6479.8
50°	7108.1	7117.1	7321.1	7639.7	7967.3	8111.7	7773.7	7377.6	6981.6	6823.8	6871.4
52.5°	7154.3	7170.7	7416.4	7790.1	8175.7	8451.2	8217.4	7772.2	7364.2	7213.9	7252.6
55°	6908.6	6941.4	7252.6	7778.2	8303.8	8674.5	8607.5	8172.7	7749.9	7595.0	7638.2
57.5°	6344.3	6390.5	6753.8	7440.2	8275.5	8827.9	8909.7	8556.9	8135.5	7986.6	8020.9
60°	5553.7	5608.8	5957.2	6706.1	7876.4	8884.4	9122.7	8930.6	8489.9	8345.4	8376.7
62.5°	4361.1	4432.5	4849.4	5727.9	7033.7	8620.9	9304.3	9268.6	8808.5	8628.3	8649.2
65°	2797.7	2873.6	3312.9	4350.6	5909.6	7813.9	9360.9	9597.6	9145.0	8893.4	8924.6
67.5°	1687.0	1721.2	1938.6	2636.9	4319.4	6597.4	8881.5	9962.4	9538.1	9225.4	9249.2
70°	1079.5	1098.8	1228.4	1548.5	2441.8	4813.7	7693.3	10030.9	10014.5	9566.4	9563.4
72.5°	732.6	738.5	772.8	917.2	1381.7	2735.2	5674.3	9081.0	10312.3	10005.6	9958.0
75°	536.0	568.8	623.9	649.2	784.7	1366.8	3251.8	6380.1	8690.9	8824.9	8500.3
77.5°	399.0	400.5	476.5	506.2	559.8	728.1	1375.8	3561.5	5395.9	5665.4	5053.4
80°	338.0	320.1	318.6	408.0	421.4	454.1	614.9	1229.9	1932.6	1171.8	885.9
82.5°	281.4	262.1	236.7	318.6	287.4	278.4	266.5	500.3	614.9	302.3	257.6
85°	196.5	187.6	178.7	208.5	163.8	140.0	128.0	233.8	259.1	128.0	113.2
87.5°	84.9	87.8	89.3	92.3	68.5	49.1	49.1	65.5	65.5	50.6	37.2
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)