

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: P949010

Luminaire Tested: **GALN-SB3D-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949010
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-SB3D-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19475 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

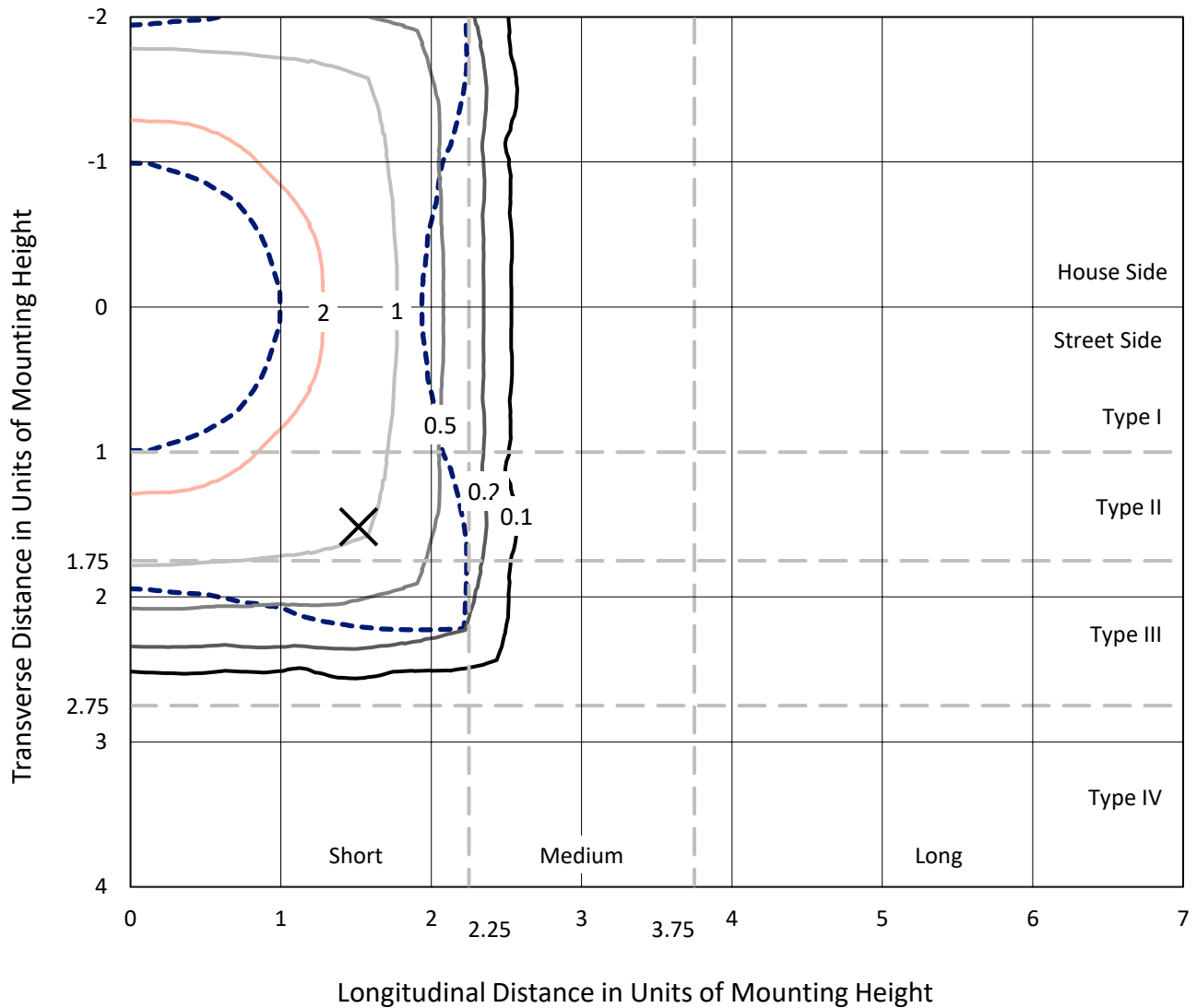
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

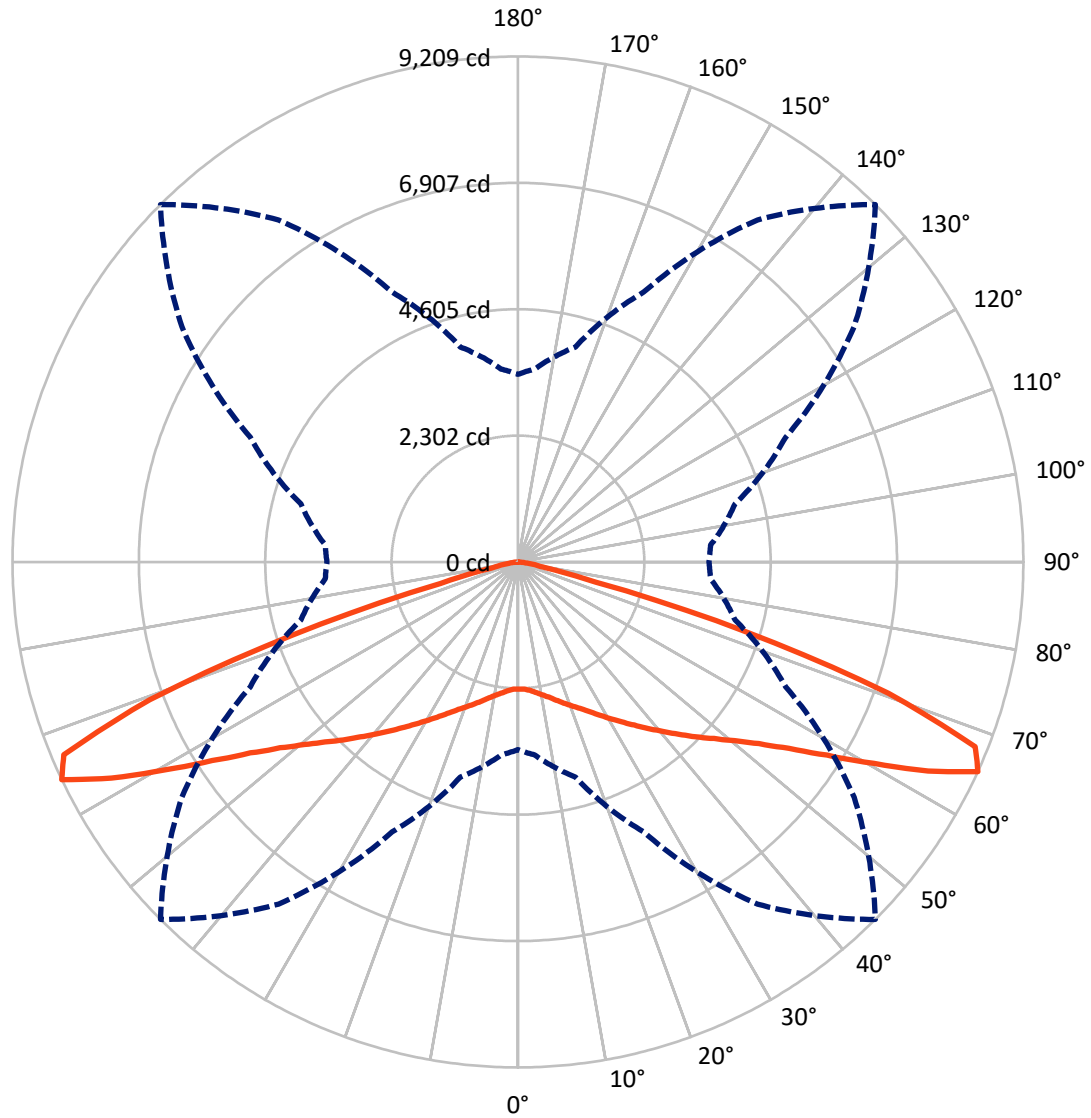
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9737.5	0.0	9737.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9737.5	0.0	9737.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19475.0	0.0	19475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.7	1.2
10°-20°	746.4	3.8
20°-30°	1409.3	7.2
30°-40°	2307.6	11.8
40°-50°	3578.0	18.4
50°-60°	5285.4	27.1
60°-70°	5031.2	25.8
70°-80°	811.9	4.2
80°-90°	76.5	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°	19475.0	100.0
0°-180°	19475.0	100.0

Coefficient of Utilization



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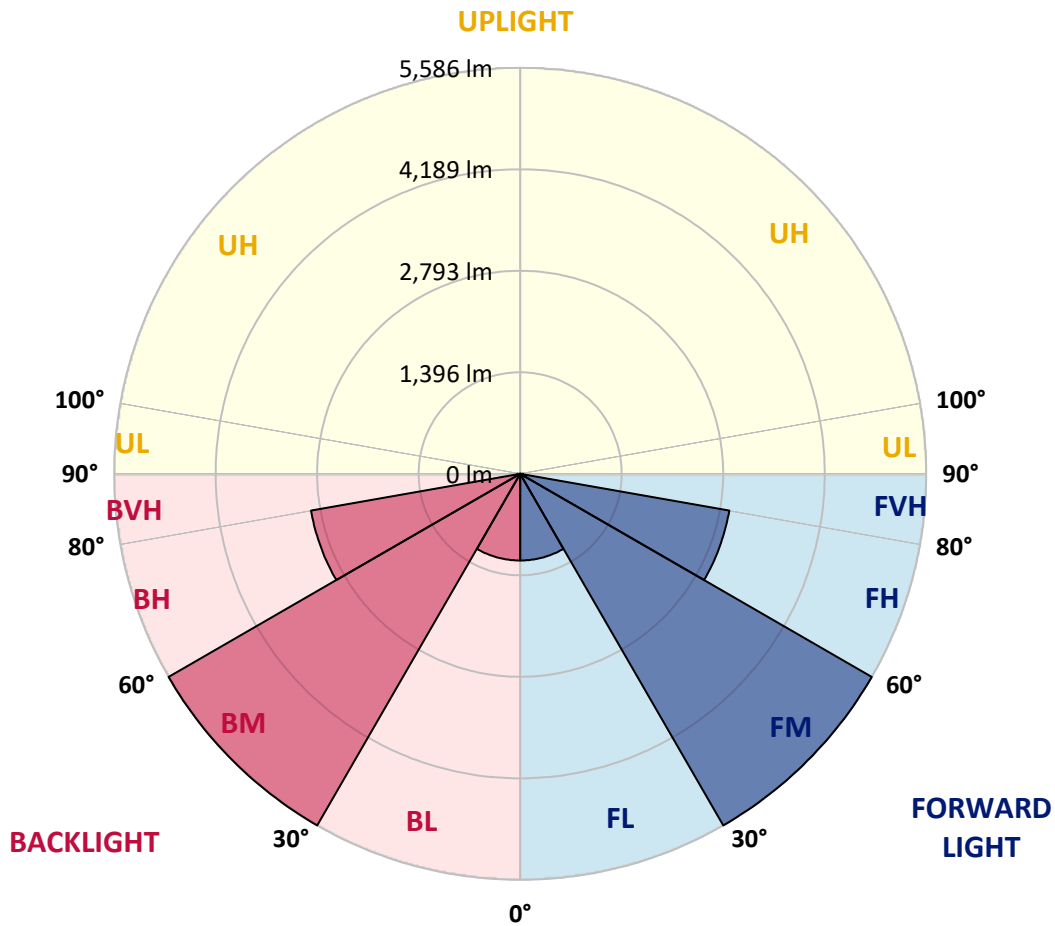
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.2	6.1			
FM (30°-60°)	5585.5	28.7			
FH (60°-80°)	2921.5	15.0			G2/5000
FVH (80°-90°)	38.3	0.2			G1/100
BL (0°-30°)	1192.2	6.1	B3/2500		
BM (30°-60°)	5585.5	28.7	B4/8500		
BH (60°-80°)	2921.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	38.3	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°
0°	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7	2317.7
2.5°	2333.4	2325.5	2331.4	2326.5	2322.6	2318.7	2320.7	2327.5	2330.4	2331.4
5°	2364.6	2357.8	2360.7	2360.7	2353.9	2351.9	2352.9	2357.8	2363.6	2363.6
7.5°	2415.4	2408.6	2415.4	2411.5	2405.7	2403.7	2402.7	2406.6	2415.4	2415.4
10°	2477.0	2469.2	2473.1	2471.1	2464.3	2461.4	2460.4	2466.2	2474.1	2473.1
12.5°	2544.4	2535.6	2540.5	2534.6	2532.7	2529.8	2529.8	2528.8	2533.7	2529.8
15°	2619.6	2613.8	2615.7	2611.8	2614.8	2612.8	2605.0	2601.1	2603.0	2597.2
17.5°	2708.6	2694.9	2701.7	2699.8	2699.8	2703.7	2691.0	2686.1	2690.0	2684.1
20°	2811.2	2797.5	2800.4	2796.5	2791.6	2795.5	2779.9	2783.8	2786.7	2782.8
22.5°	2923.5	2905.9	2905.0	2906.9	2896.2	2897.1	2886.4	2896.2	2902.0	2891.3
25°	3038.8	3020.3	3033.0	3028.1	3014.4	3017.3	3009.5	3019.3	3024.2	3010.5
27.5°	3161.0	3148.3	3160.0	3162.9	3146.3	3158.0	3146.3	3155.1	3160.0	3139.5
30°	3303.6	3290.9	3301.7	3309.5	3290.0	3308.5	3298.7	3304.6	3305.6	3281.2
32.5°	3459.0	3439.4	3466.8	3470.7	3449.2	3471.7	3459.0	3466.8	3471.7	3438.5
35°	3648.6	3624.1	3655.4	3650.5	3631.9	3650.5	3638.8	3650.5	3662.2	3622.2
37.5°	3852.8	3827.4	3860.6	3851.8	3834.2	3846.9	3840.1	3847.9	3866.4	3823.5
40°	4077.5	4046.2	4091.2	4075.6	4058.9	4057.0	4060.9	4065.8	4090.2	4042.3
42.5°	4317.9	4284.7	4352.1	4327.6	4304.2	4288.6	4301.3	4311.0	4334.5	4280.7
45°	4592.4	4554.3	4642.3	4613.0	4575.8	4543.6	4564.1	4578.8	4613.0	4548.5
47.5°	4895.4	4852.4	4946.2	4937.4	4876.8	4806.4	4853.3	4895.4	4920.8	4842.6
50°	5191.4	5158.2	5281.3	5292.1	5217.8	5119.1	5184.6	5248.1	5254.9	5152.3
52.5°	5468.9	5435.7	5614.5	5681.9	5615.5	5498.2	5567.6	5632.1	5580.3	5447.4
55°	5690.7	5663.4	5891.0	6065.0	6087.4	5990.7	6031.7	6029.8	5859.8	5655.5
57.5°	5744.5	5740.6	6027.8	6396.2	6630.7	6642.4	6561.3	6354.2	5987.8	5713.2
60°	5500.2	5524.6	5919.4	6569.2	7194.5	7454.4	7103.6	6512.5	5842.2	5461.1
62.5°	4769.3	4833.8	5309.6	6358.1	7649.8	8388.5	7538.5	6272.1	5244.2	4746.8
65°	3418.0	3530.3	4056.0	5425.9	7608.8	9209.3	7475.9	5382.0	4095.1	3521.5
67.5°	1550.7	1665.0	2111.5	3715.0	6614.1	8986.5	6598.5	3754.1	2217.1	1670.9
70°	561.8	581.4	725.0	1487.2	4227.0	7160.3	4407.8	1497.9	770.9	619.5
72.5°	340.0	343.0	373.3	532.5	1468.6	4347.2	1531.1	550.1	381.1	338.1
75°	215.9	214.0	265.8	325.4	520.8	1466.7	546.2	325.4	264.8	241.3
77.5°	155.4	160.2	190.5	243.3	328.3	497.4	322.4	232.6	190.5	156.3
80°	116.3	119.2	138.8	189.6	230.6	309.7	205.2	172.0	143.6	97.7
82.5°	84.0	84.0	90.9	137.8	140.7	167.1	111.4	121.2	94.8	69.4
85°	49.8	48.9	56.7	82.1	73.3	61.6	50.8	74.3	59.6	43.0
87.5°	17.6	18.6	17.6	23.5	19.5	16.6	15.6	20.5	16.6	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2317.7
2331.4
2363.6
2412.5
2471.1
2531.7
2598.2
2689.0
2791.6
2902.0
3026.1
3155.1
3295.8
3460.9
3646.6
3849.8
4058.0
4309.1
4581.7
4869.0
5165.0
5451.3
5662.4
5695.6
5416.2
4717.5
3479.5
1646.4
611.7
343.9
243.3
159.3
100.6
69.4
42.0
13.7
0.0

OF REPORT)