

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: P949009

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19463 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

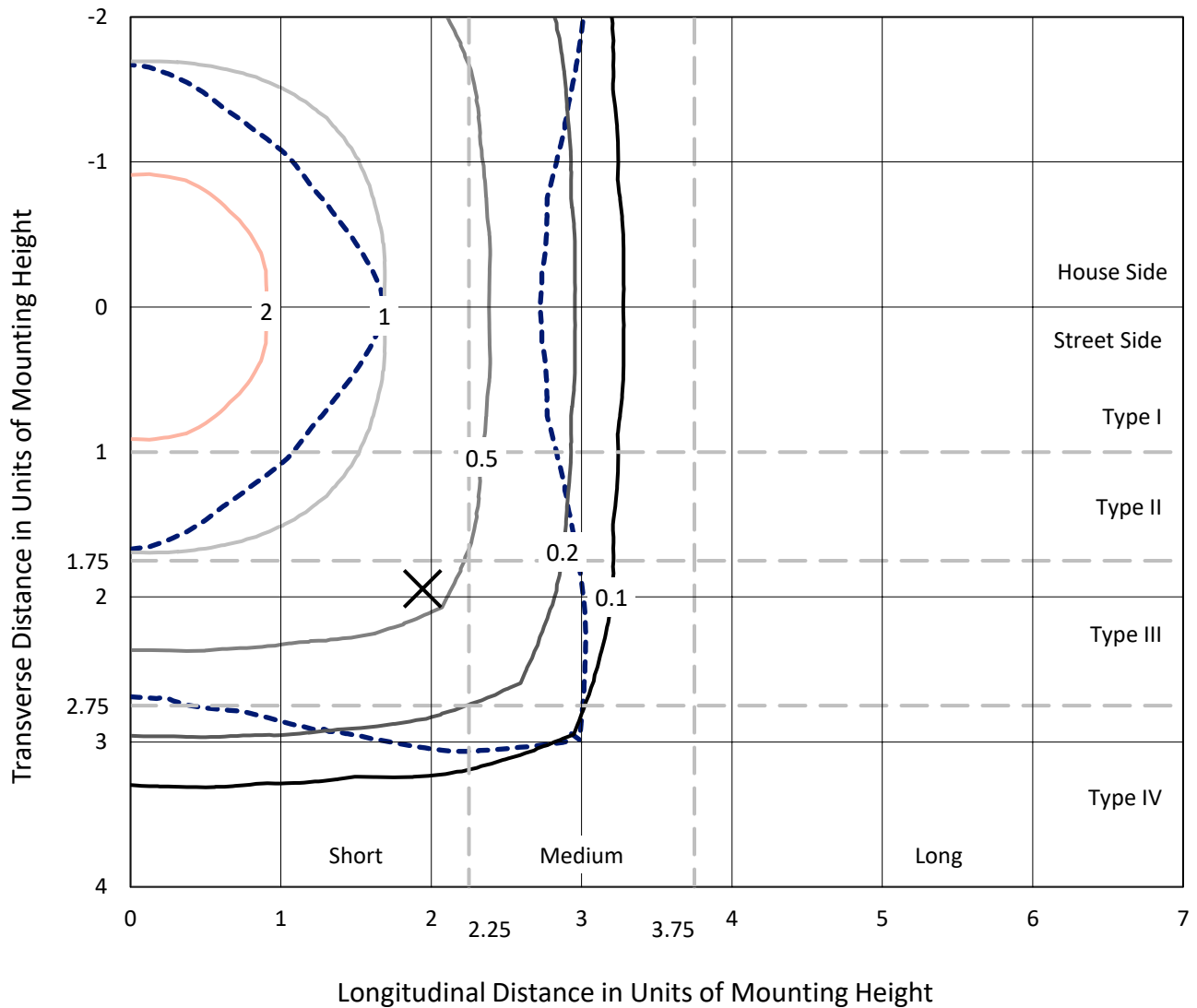
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

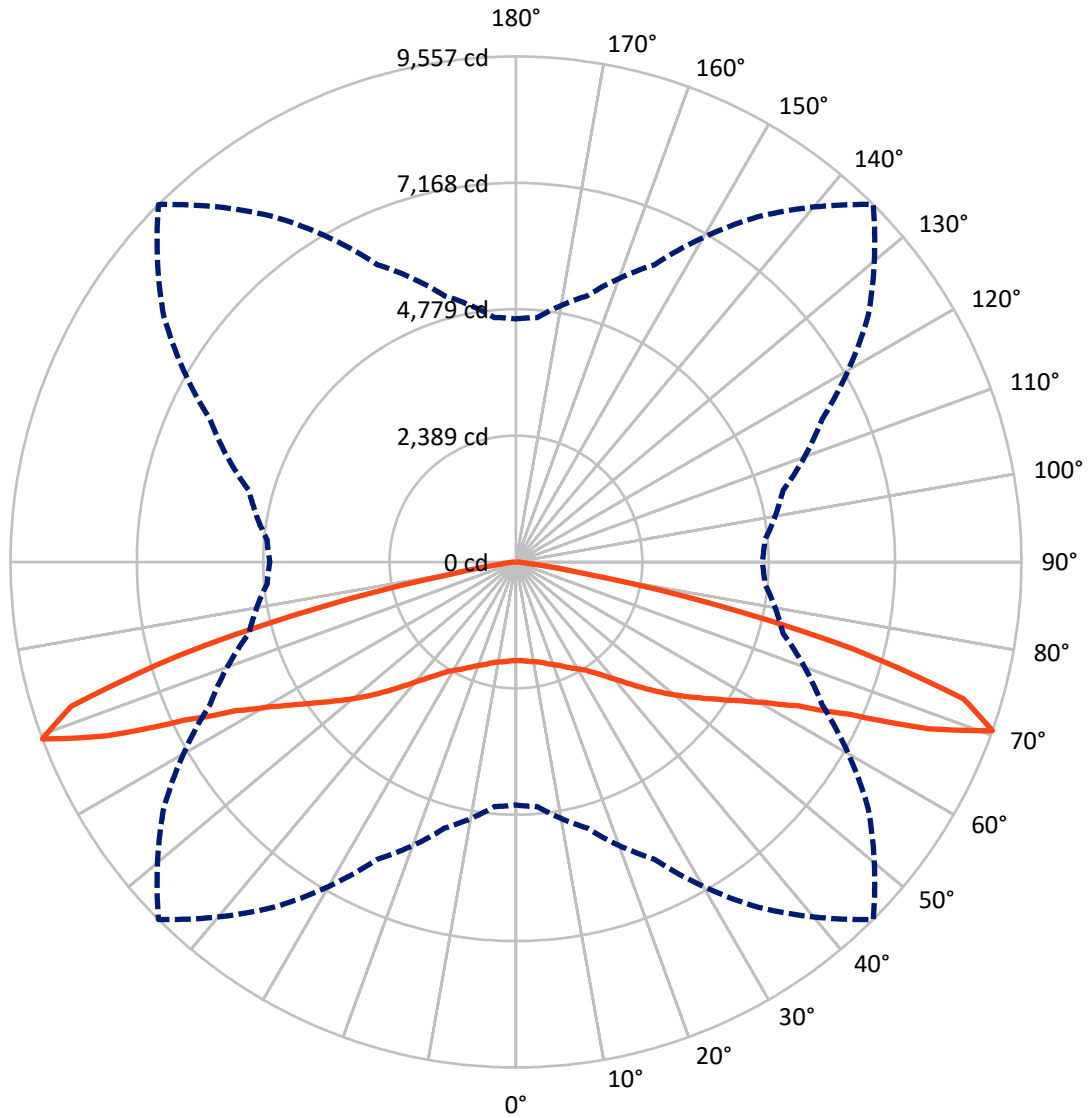
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SB3D-927-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9731.5	0.0	9731.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9731.5	0.0	9731.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19463.0	0.0	19463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	0.9
10°-20°	561.6	2.9
20°-30°	1003.7	5.2
30°-40°	1627.0	8.4
40°-50°	2650.1	13.6
50°-60°	4040.6	20.8
60°-70°	6011.1	30.9
70°-80°	3276.2	16.8
80°-90°	111.6	0.6
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°	19463.0	100.0
0°-180°	19463.0	100.0

Coefficient of Utilization



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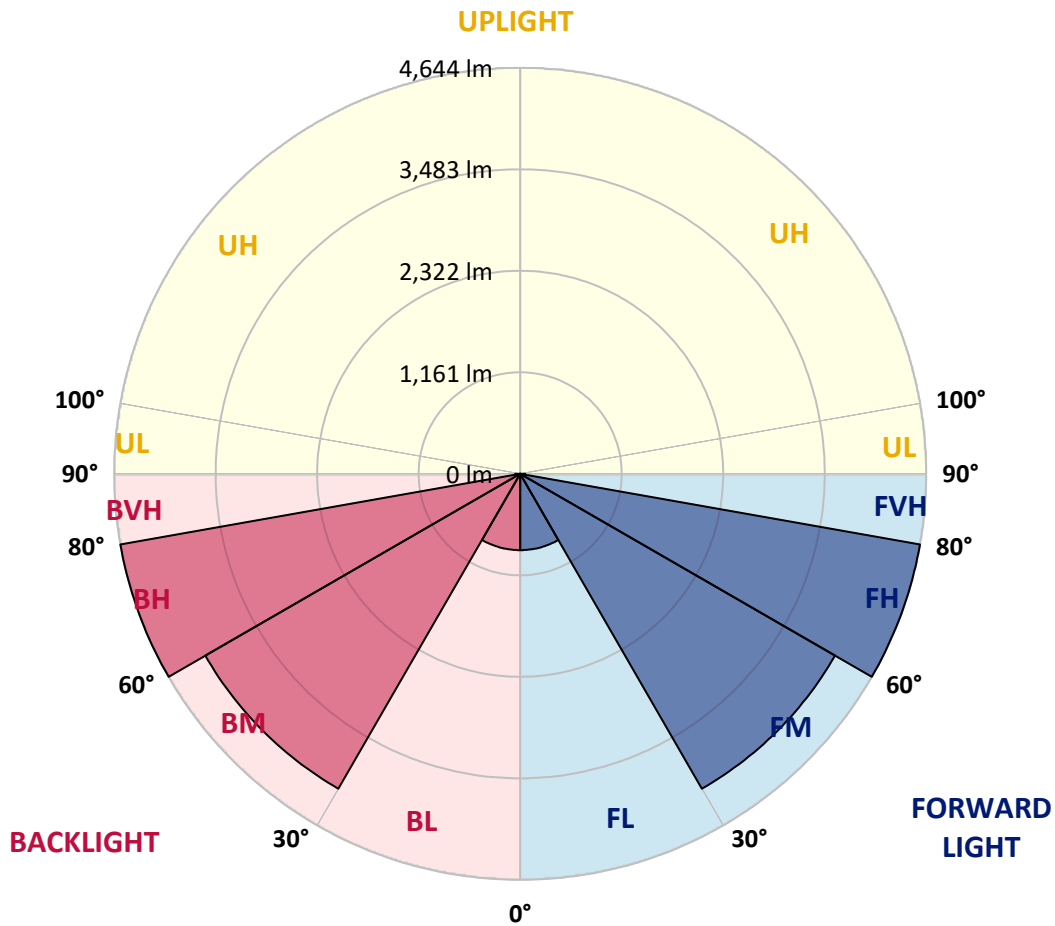
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	873.2	4.5			
FM (30°-60°)	4158.8	21.4			
FH (60°-80°)	4643.6	23.9			G2/5000
FVH (80°-90°)	55.8	0.3			G1/100
BL (0°-30°)	873.2	4.5	B2/1000		
BM (30°-60°)	4158.8	21.4	B3/5000		
BH (60°-80°)	4643.6	23.9	B4/5000		G2/5000
BVH (80°-90°)	55.8	0.3			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°	1864.4	1864.4	1864.4	1864.4	1864.4	1864.4	1864.4	1864.4	1864.4	1864.4
2.5°	1873.1	1875.1	1871.2	1869.2	1867.3	1864.4	1865.3	1870.2	1874.1	1873.1
5°	1888.8	1890.7	1887.8	1886.8	1882.9	1881.9	1881.9	1886.8	1889.8	1887.8
7.5°	1906.4	1909.3	1904.4	1903.4	1901.5	1899.5	1898.6	1903.4	1906.4	1906.4
10°	1923.0	1925.9	1922.0	1919.1	1917.1	1917.1	1915.2	1919.1	1924.0	1923.0
12.5°	1940.6	1942.5	1938.6	1936.7	1936.7	1939.6	1936.7	1938.6	1942.5	1940.6
15°	1962.1	1963.0	1962.1	1965.0	1969.9	1979.7	1970.9	1968.9	1970.9	1966.0
17.5°	1991.4	1993.3	1997.2	2004.1	2010.9	2028.5	2012.9	2008.0	2008.0	1998.2
20°	2027.5	2030.5	2036.3	2048.1	2056.8	2073.5	2057.8	2051.0	2048.1	2035.4
22.5°	2065.6	2070.5	2079.3	2095.0	2110.6	2126.2	2110.6	2098.9	2090.1	2073.5
25°	2109.6	2115.5	2129.2	2154.6	2176.1	2198.5	2180.0	2156.5	2138.9	2115.5
27.5°	2172.1	2179.0	2195.6	2226.9	2254.2	2273.8	2256.2	2225.9	2201.5	2173.1
30°	2260.1	2266.9	2286.5	2319.7	2338.3	2351.0	2339.2	2315.8	2286.5	2254.2
32.5°	2373.4	2382.2	2403.7	2435.0	2438.9	2440.9	2436.9	2425.2	2403.7	2364.6
35°	2517.1	2526.8	2551.3	2576.7	2572.8	2576.7	2570.8	2566.9	2551.3	2506.3
37.5°	2693.0	2704.7	2730.1	2749.6	2739.9	2735.0	2735.9	2736.9	2728.1	2678.3
40°	2897.2	2912.8	2931.4	2951.9	2935.3	2920.6	2930.4	2938.2	2930.4	2879.6
42.5°	3107.3	3129.7	3149.3	3178.6	3164.9	3146.3	3160.0	3168.8	3152.2	3097.5
45°	3340.8	3362.3	3387.7	3431.7	3421.9	3402.3	3421.9	3423.8	3395.5	3331.0
47.5°	3582.1	3604.6	3642.7	3701.3	3697.4	3675.9	3701.3	3687.7	3651.5	3574.3
50°	3810.8	3842.1	3900.7	3982.8	3990.6	3964.2	3998.4	3972.0	3911.4	3814.7
52.5°	4025.8	4059.0	4151.8	4263.2	4291.5	4257.3	4303.3	4257.3	4166.5	4042.4
55°	4251.5	4288.6	4399.0	4544.6	4601.3	4575.9	4618.9	4549.5	4420.5	4270.0
57.5°	4517.2	4539.7	4671.6	4844.6	4940.3	4946.2	4965.7	4848.5	4692.2	4521.2
60°	4805.5	4836.8	4980.4	5187.6	5339.0	5387.9	5367.3	5193.4	5011.7	4815.3
62.5°	5174.9	5209.1	5381.0	5629.2	5868.6	5989.8	5909.7	5657.6	5432.8	5197.3
65°	5480.7	5518.8	5829.5	6272.2	6708.0	6951.3	6750.0	6285.8	5881.3	5549.1
67.5°	5258.9	5305.8	5793.4	6606.3	7690.0	8416.0	7727.1	6706.0	5913.6	5463.1
70°	4596.4	4640.4	5209.1	6202.8	7966.5	9557.3	8132.6	6385.5	5227.6	4723.4
72.5°	3051.6	3193.2	3768.8	4960.9	7113.5	8844.0	7183.8	4860.2	3496.2	3044.7
75°	1012.3	1125.6	1518.5	2571.8	4764.5	6614.2	4535.8	2275.7	1202.8	865.7
77.5°	255.0	294.1	405.5	735.8	1900.5	3765.8	1710.9	600.9	327.3	228.6
80°	124.1	136.8	195.4	245.3	475.9	1197.0	446.5	230.6	154.4	119.2
82.5°	68.4	69.4	110.4	138.8	176.9	309.7	183.7	134.8	88.9	72.3
85°	42.0	41.0	58.6	74.3	74.3	110.4	87.9	74.3	50.8	44.9
87.5°	16.6	16.6	21.5	23.5	20.5	28.3	22.5	24.4	19.5	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1864.4
1874.1
1888.8
1906.4
1923.0
1939.6
1966.0
1998.2
2035.4
2072.5
2114.5
2172.1
2254.2
2365.6
2506.3
2678.3
2879.6
3101.4
3337.9
3569.4
3812.7
4030.6
4249.5
4497.7
4784.0
5156.3
5494.4
5395.7
4656.0
2946.0
818.8
204.2
109.4
72.3
46.9
19.5
0.0

OF REPORT)