

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: P949051

Luminaire Tested: **GALN-SB3D-935-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949051
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-935-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22243 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

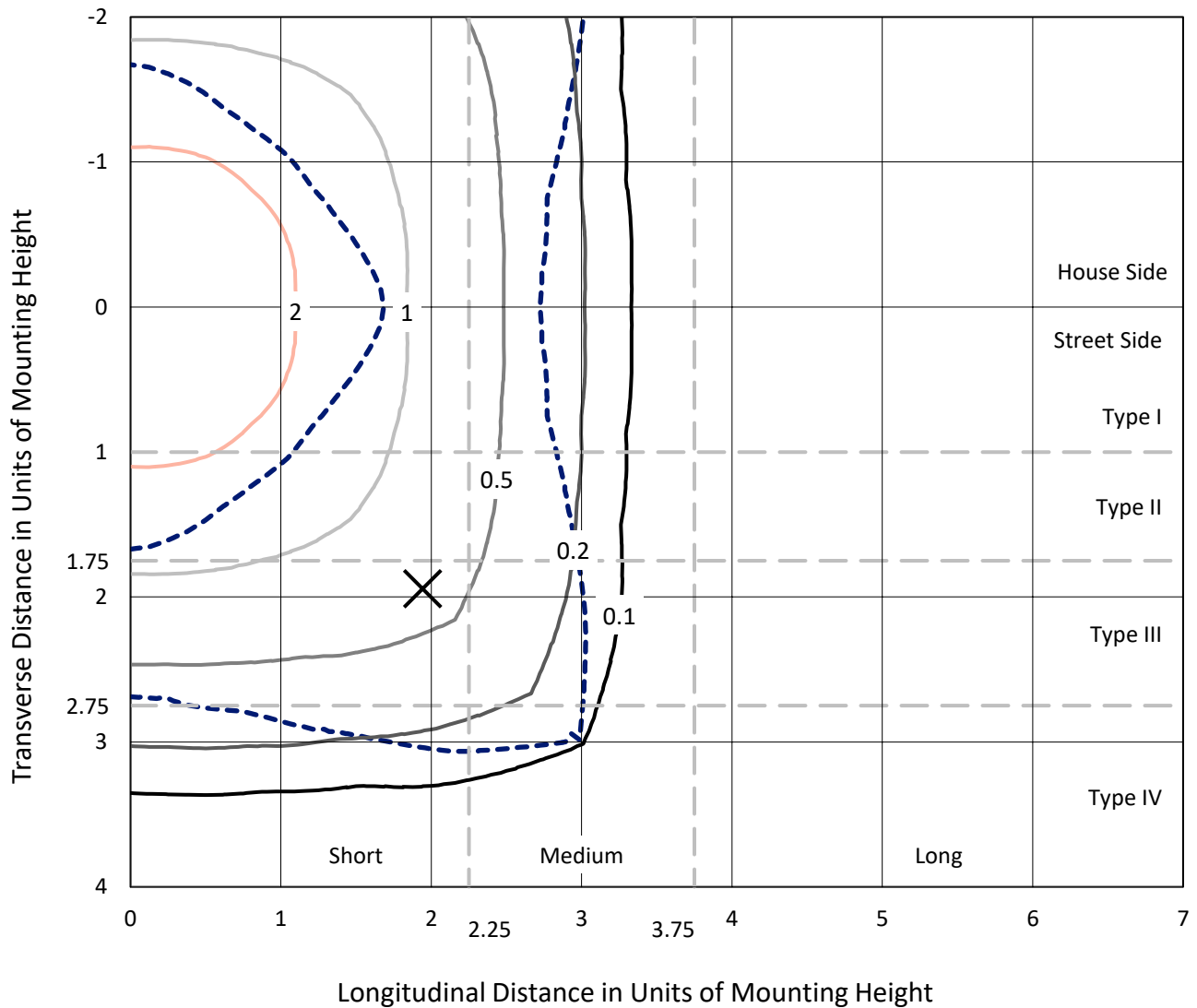
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

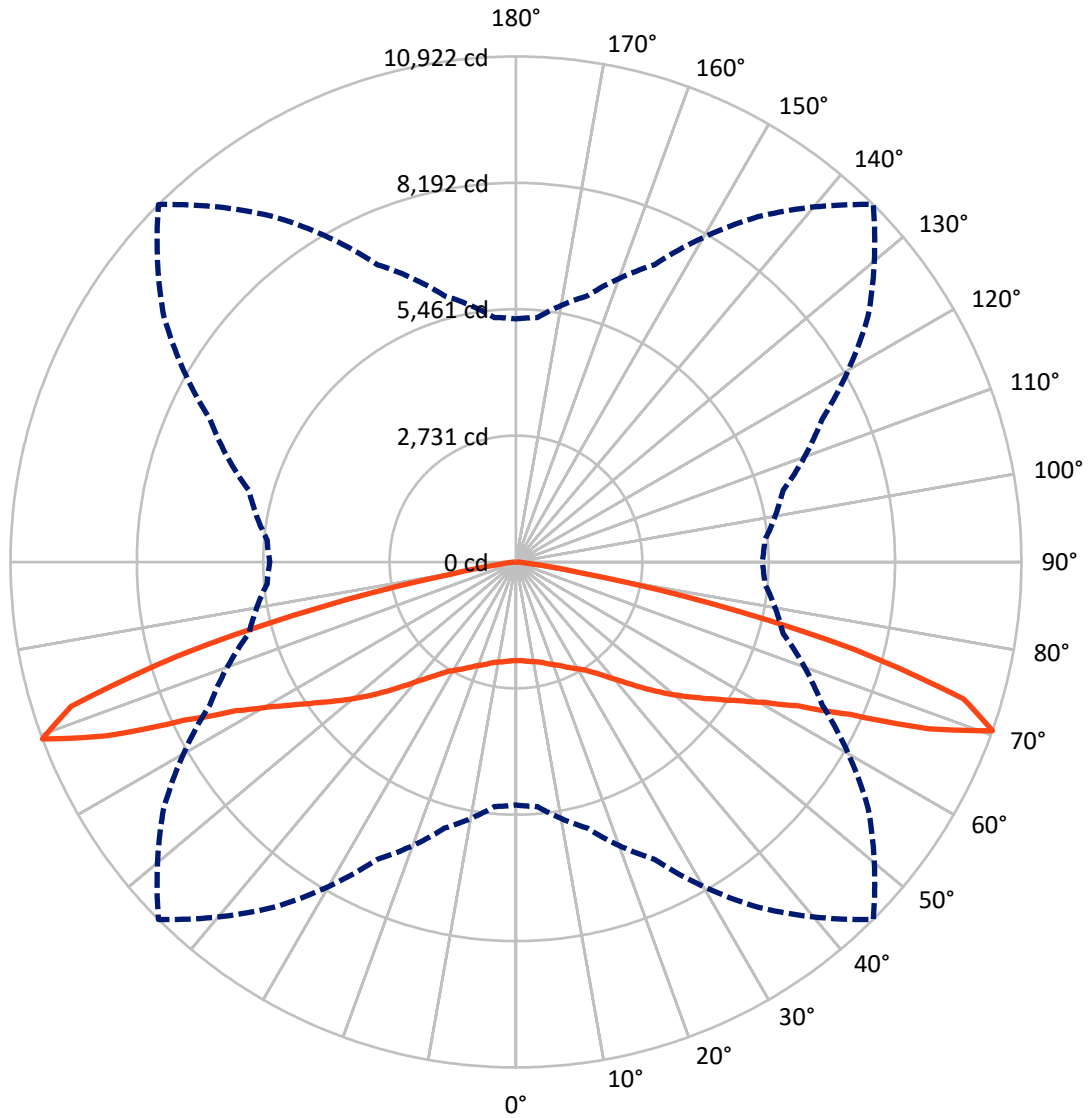
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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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	11121.5	0.0	11121.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11121.5	0.0	11121.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22243.0	0.0	22243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.0	0.9
10°-20°	641.9	2.9
20°-30°	1147.1	5.2
30°-40°	1859.4	8.4
40°-50°	3028.7	13.6
50°-60°	4617.7	20.8
60°-70°	6869.6	30.9
70°-80°	3744.2	16.8
80°-90°	127.5	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°	22243.0	100.0
0°-180°	22243.0	100.0

Coefficient of Utilization



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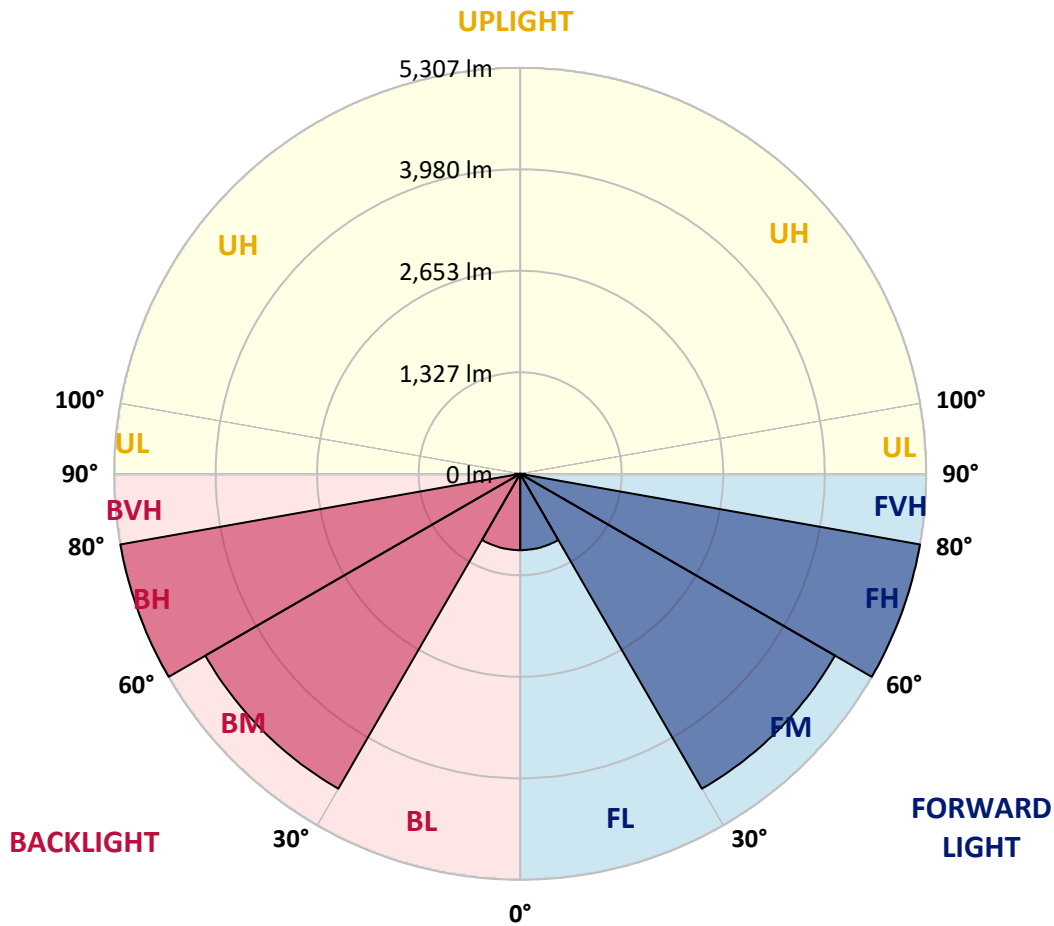
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.0	4.5			
FM (30°-60°)	4752.9	21.4			
FH (60°-80°)	5306.9	23.9			G3/7500
FVH (80°-90°)	63.8	0.3			G1/100
BL (0°-30°)	998.0	4.5	B2/1000		
BM (30°-60°)	4752.9	21.4	B3/5000		
BH (60°-80°)	5306.9	23.9	B5		G3/7500
BVH (80°-90°)	63.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6
2.5°	2140.7	2142.9	2138.5	2136.2	2134.0	2130.6	2131.8	2137.3	2141.8	2140.7
5°	2158.6	2160.8	2157.4	2156.3	2151.9	2150.7	2150.7	2156.3	2159.7	2157.4
7.5°	2178.7	2182.0	2176.4	2175.3	2173.1	2170.9	2169.7	2175.3	2178.7	2178.7
10°	2197.7	2201.0	2196.5	2193.2	2191.0	2191.0	2188.7	2193.2	2198.8	2197.7
12.5°	2217.8	2220.0	2215.5	2213.3	2213.3	2216.6	2213.3	2215.5	2220.0	2217.8
15°	2242.3	2243.4	2242.3	2245.7	2251.3	2262.4	2252.4	2250.1	2252.4	2246.8
17.5°	2275.8	2278.1	2282.5	2290.3	2298.2	2318.3	2300.4	2294.8	2294.8	2283.6
20°	2317.1	2320.5	2327.2	2340.6	2350.6	2369.6	2351.8	2343.9	2340.6	2326.1
22.5°	2360.7	2366.3	2376.3	2394.2	2412.1	2429.9	2412.1	2398.7	2388.6	2369.6
25°	2410.9	2417.6	2433.3	2462.3	2486.9	2512.6	2491.3	2464.5	2444.4	2417.6
27.5°	2482.4	2490.2	2509.2	2544.9	2576.2	2598.5	2578.4	2543.8	2515.9	2483.5
30°	2582.9	2590.7	2613.1	2651.0	2672.2	2686.8	2673.4	2646.6	2613.1	2576.2
32.5°	2712.4	2722.5	2747.1	2782.8	2787.3	2789.5	2785.0	2771.6	2747.1	2702.4
35°	2876.6	2887.8	2915.7	2944.7	2940.3	2944.7	2938.0	2933.6	2915.7	2864.3
37.5°	3077.6	3091.0	3120.0	3142.4	3131.2	3125.6	3126.7	3127.9	3117.8	3060.9
40°	3311.0	3328.9	3350.1	3373.5	3354.5	3337.8	3349.0	3357.9	3349.0	3290.9
42.5°	3551.1	3576.8	3599.1	3632.6	3617.0	3595.7	3611.4	3621.4	3602.4	3539.9
45°	3818.0	3842.5	3871.6	3921.8	3910.7	3888.3	3910.7	3912.9	3880.5	3806.8
47.5°	4093.8	4119.5	4163.0	4230.0	4225.6	4201.0	4230.0	4214.4	4173.1	4084.9
50°	4355.1	4390.8	4457.8	4551.6	4560.6	4530.4	4569.5	4539.4	4470.1	4359.6
52.5°	4600.8	4638.7	4744.8	4872.1	4904.5	4865.4	4917.9	4865.4	4761.6	4619.8
55°	4858.7	4901.2	5027.3	5193.7	5258.5	5229.5	5278.6	5199.3	5051.9	4879.9
57.5°	5162.5	5188.2	5338.9	5536.6	5646.0	5652.7	5675.0	5541.0	5362.4	5166.9
60°	5491.9	5527.6	5691.8	5928.5	6101.6	6157.4	6134.0	5935.2	5727.5	5503.1
62.5°	5914.0	5953.1	6149.6	6433.3	6706.9	6845.3	6753.8	6465.6	6208.8	5939.7
65°	6263.5	6307.1	6662.2	7168.0	7666.1	7944.2	7714.1	7183.7	6721.4	6341.7
67.5°	6010.0	6063.6	6620.9	7550.0	8788.4	9618.1	8830.8	7663.9	6758.2	6243.4
70°	5252.9	5303.2	5953.1	7088.8	9104.4	10922.4	9294.2	7297.6	5974.3	5398.1
72.5°	3487.4	3649.4	4307.1	5669.4	8129.5	10107.2	8209.9	5554.4	3995.5	3479.6
75°	1156.9	1286.4	1735.3	2939.1	5445.0	7558.9	5183.7	2600.8	1374.6	989.4
77.5°	291.5	336.1	463.4	840.9	2172.0	4303.7	1955.3	686.8	374.1	261.3
80°	141.8	156.3	223.3	280.3	543.8	1367.9	510.3	263.5	176.4	136.2
82.5°	78.2	79.3	126.2	158.6	202.1	354.0	209.9	154.1	101.6	82.6
85°	48.0	46.9	67.0	84.9	84.9	126.2	100.5	84.9	58.1	51.4
87.5°	19.0	19.0	24.6	26.8	23.5	32.4	25.7	27.9	22.3	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2130.6
2141.8
2158.6
2178.7
2197.7
2216.6
2246.8
2283.6
2326.1
2368.5
2416.5
2482.4
2576.2
2703.5
2864.3
3060.9
3290.9
3544.4
3814.6
4079.3
4357.3
4606.4
4856.5
5140.1
5467.3
5892.8
6279.2
6166.4
5321.0
3366.8
935.8
233.4
125.1
82.6
53.6
22.3
0.0

OF REPORT)