

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: P940620

Luminaire Tested: **GALN-SB3D-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

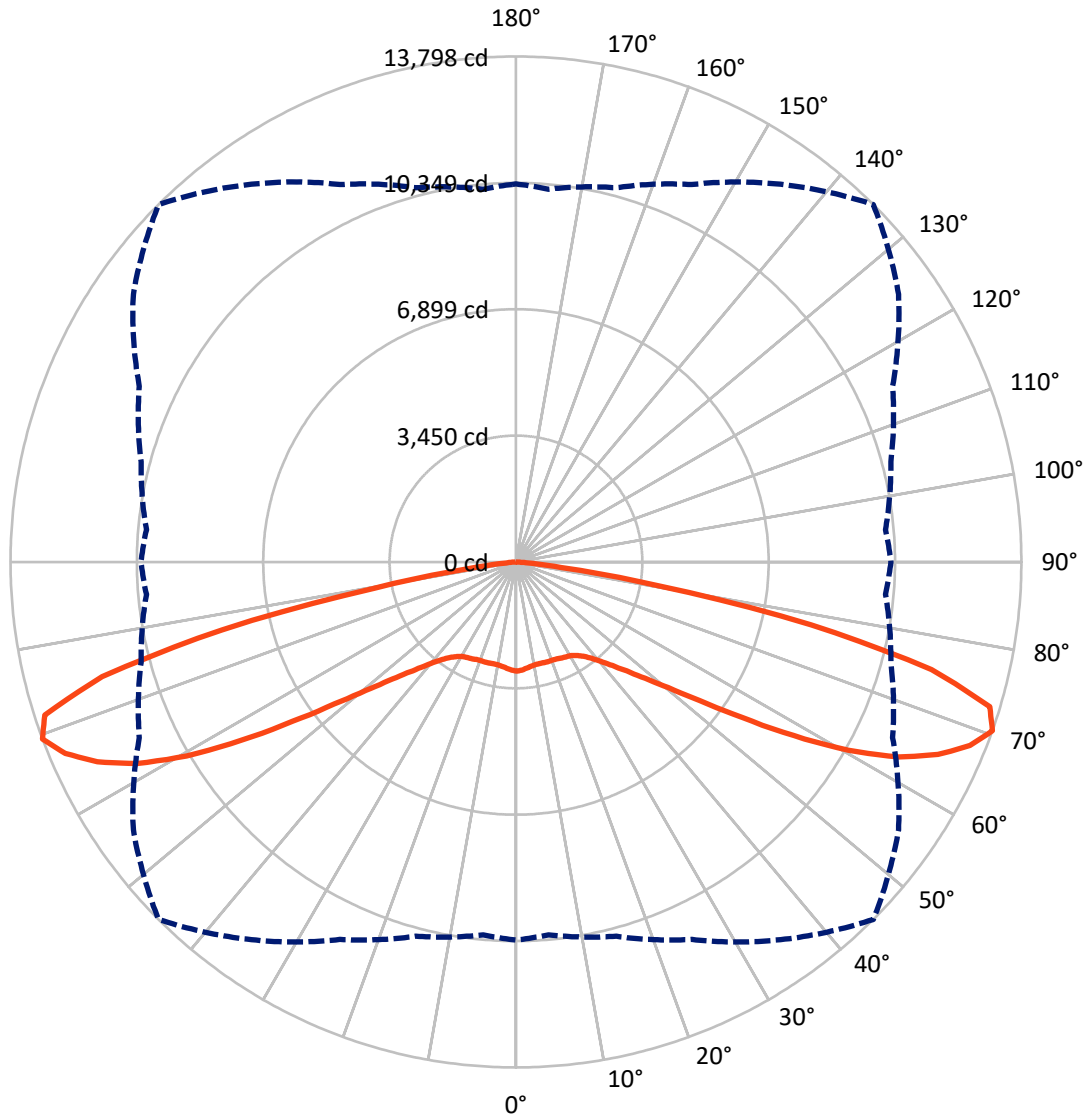
Lumens per Lamp: N/A
Luminaire Lumens: 32673 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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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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	16336.5	0.0	16336.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16336.5	0.0	16336.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32673.0	0.0	32673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.3	0.8
10°-20°	814.1	2.5
20°-30°	1354.7	4.1
30°-40°	2048.8	6.3
40°-50°	3404.6	10.4
50°-60°	6424.3	19.7
60°-70°	10847.7	33.2
70°-80°	7128.1	21.8
80°-90°	373.4	1.1
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°	32673.0	100.0
0°-180°	32673.0	100.0

Coefficient of Utilization



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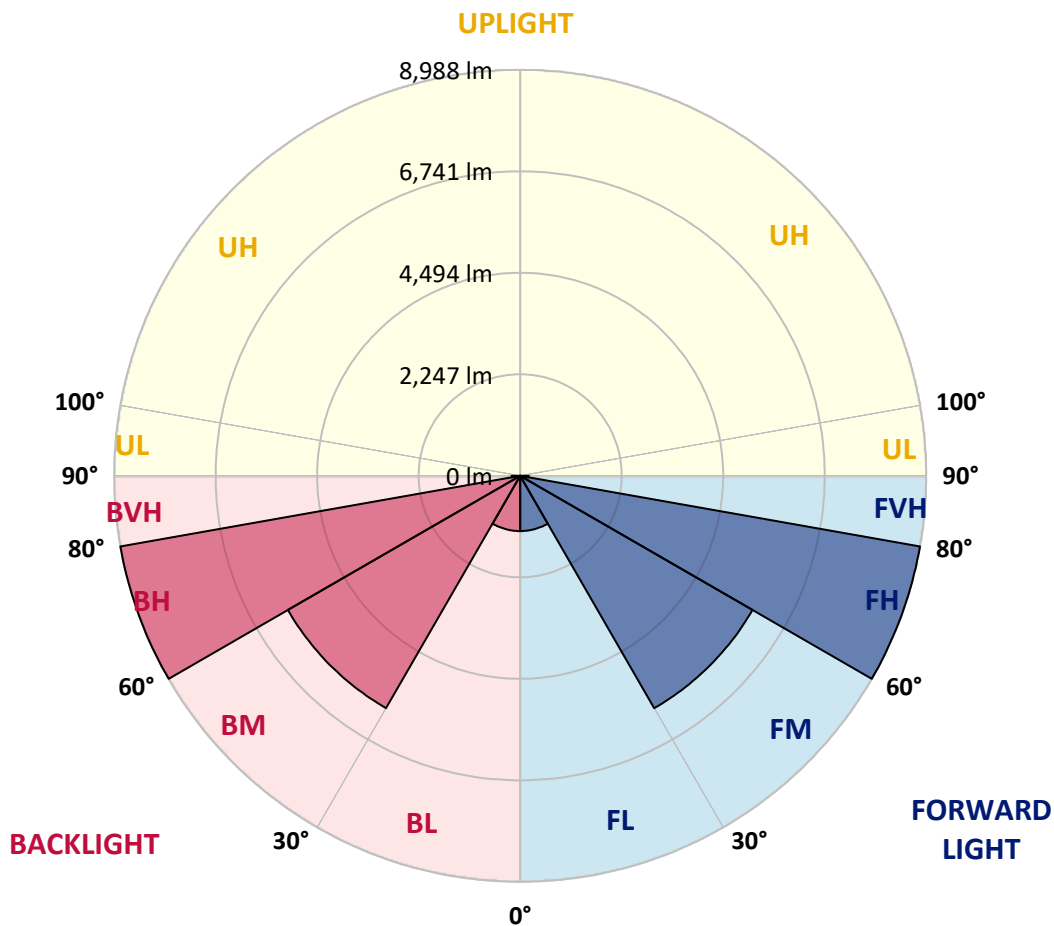
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.0	3.7			
FM (30°-60°)	5938.8	18.2			
FH (60°-80°)	8987.9	27.5			G4/12000
FVH (80°-90°)	186.7	0.6			G2/225
BL (0°-30°)	1223.0	3.7	B3/2500		
BM (30°-60°)	5938.8	18.2	B4/8500		
BH (60°-80°)	8987.9	27.5	B5		G4/12000
BVH (80°-90°)	186.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2980.4	2980.4	2980.4	2980.4	2980.4	2980.4	2980.4	2980.4	2980.4	2980.4
2.5°	2961.8	2970.2	2966.8	2960.1	2960.1	2955.0	2960.1	2963.5	2968.5	2971.9
5°	2922.7	2929.5	2927.8	2922.7	2924.4	2919.3	2922.7	2927.8	2931.2	2932.9
7.5°	2888.7	2895.5	2892.1	2883.6	2883.6	2878.5	2880.2	2885.3	2890.4	2892.1
10°	2880.2	2887.0	2876.8	2863.3	2858.2	2851.4	2853.1	2858.2	2868.4	2873.4
12.5°	2883.6	2888.7	2878.5	2858.2	2853.1	2846.3	2846.3	2851.4	2865.0	2871.7
15°	2893.8	2898.9	2883.6	2861.6	2856.5	2851.4	2849.7	2856.5	2871.7	2883.6
17.5°	2912.5	2917.6	2893.8	2863.3	2856.5	2858.2	2856.5	2861.6	2885.3	2907.4
20°	2929.5	2932.9	2900.6	2863.3	2856.5	2858.2	2856.5	2866.7	2897.2	2927.8
22.5°	2934.6	2938.0	2907.4	2875.1	2870.0	2871.7	2870.0	2880.2	2909.1	2939.7
25°	2936.3	2941.4	2917.6	2892.1	2900.6	2904.0	2900.6	2902.3	2924.4	2951.6
27.5°	2961.8	2968.5	2946.5	2924.4	2929.5	2927.8	2932.9	2938.0	2955.0	2982.1
30°	3014.4	3019.5	3000.8	2978.7	2975.3	2963.5	2978.7	2995.7	3014.4	3038.2
32.5°	3101.0	3111.2	3087.4	3063.6	3048.4	3041.6	3053.5	3082.3	3107.8	3133.3
35°	3245.4	3252.2	3230.1	3185.9	3158.8	3158.8	3168.9	3206.3	3247.1	3279.3
37.5°	3449.2	3457.6	3418.6	3365.9	3325.2	3325.2	3338.8	3377.8	3439.0	3484.8
40°	3697.1	3709.0	3659.7	3605.4	3566.3	3559.5	3576.5	3620.7	3678.4	3736.2
42.5°	3996.0	4009.6	3945.0	3897.5	3866.9	3866.9	3875.4	3916.2	3968.8	4040.1
45°	4378.1	4401.9	4313.6	4266.0	4237.1	4243.9	4249.0	4284.7	4332.2	4413.8
47.5°	4833.2	4857.0	4763.6	4714.4	4709.3	4741.5	4721.1	4746.6	4772.1	4865.5
50°	5349.5	5390.3	5325.7	5322.3	5332.5	5392.0	5344.4	5358.0	5329.1	5388.6
52.5°	5981.2	6040.7	6028.8	6049.2	6163.0	6285.2	6176.5	6129.0	6020.3	6039.0
55°	6747.2	6837.2	6854.2	6976.4	7234.6	7484.2	7253.2	7061.3	6830.4	6787.9
57.5°	7618.4	7689.7	7771.2	8020.9	8503.2	8946.4	8503.2	8078.6	7715.2	7628.6
60°	8555.8	8644.1	8722.2	9090.8	9807.4	10430.7	9793.8	9119.6	8639.0	8521.8
62.5°	9562.9	9676.7	9731.0	10140.3	10975.8	11719.6	10987.7	10170.8	9637.6	9511.9
65°	10529.2	10622.6	10683.7	11120.2	11918.3	12663.9	11972.7	11167.7	10619.2	10454.5
67.5°	10979.2	11030.2	11179.6	11673.8	12516.1	13367.0	12658.8	11726.4	11113.4	10824.7
70°	10320.3	10216.7	10576.7	11368.1	12587.5	13798.3	12750.5	11344.3	10593.7	10125.0
72.5°	7975.0	7796.7	8421.6	9775.1	11772.3	13523.2	11853.8	9851.6	8810.5	7859.5
75°	4339.0	4136.9	4999.7	6711.5	9387.9	11721.3	9603.6	6903.4	5566.9	4306.8
77.5°	1224.4	1148.0	1844.3	3247.1	5646.7	8229.7	5864.1	3318.4	2187.4	1297.5
80°	375.3	363.4	492.5	978.2	2397.9	3941.6	2304.5	990.1	626.7	395.7
82.5°	222.5	203.8	244.5	356.6	611.4	1238.0	594.4	371.9	298.9	200.4
85°	127.4	118.9	144.4	173.2	205.5	263.2	171.5	176.6	159.6	107.0
87.5°	52.6	47.6	56.0	54.3	47.6	61.1	45.9	54.3	64.5	42.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2980.4
2970.2
2932.9
2892.1
2873.4
2873.4
2885.3
2907.4
2929.5
2939.7
2949.9
2975.3
3033.1
3123.1
3267.4
3467.8
3717.5
4035.1
4410.4
4838.3
5352.9
5976.2
6721.7
7567.4
8419.9
9410.0
10372.9
10828.1
10237.1
8095.6
4587.0
1441.8
417.8
217.4
112.1
39.1
0.0

OF REPORT)