

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: P952054

Luminaire Tested: **GALN-SB6A-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952054
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-SB6A-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30139 lumens
Efficiency: N/A
Efficacy: 176.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

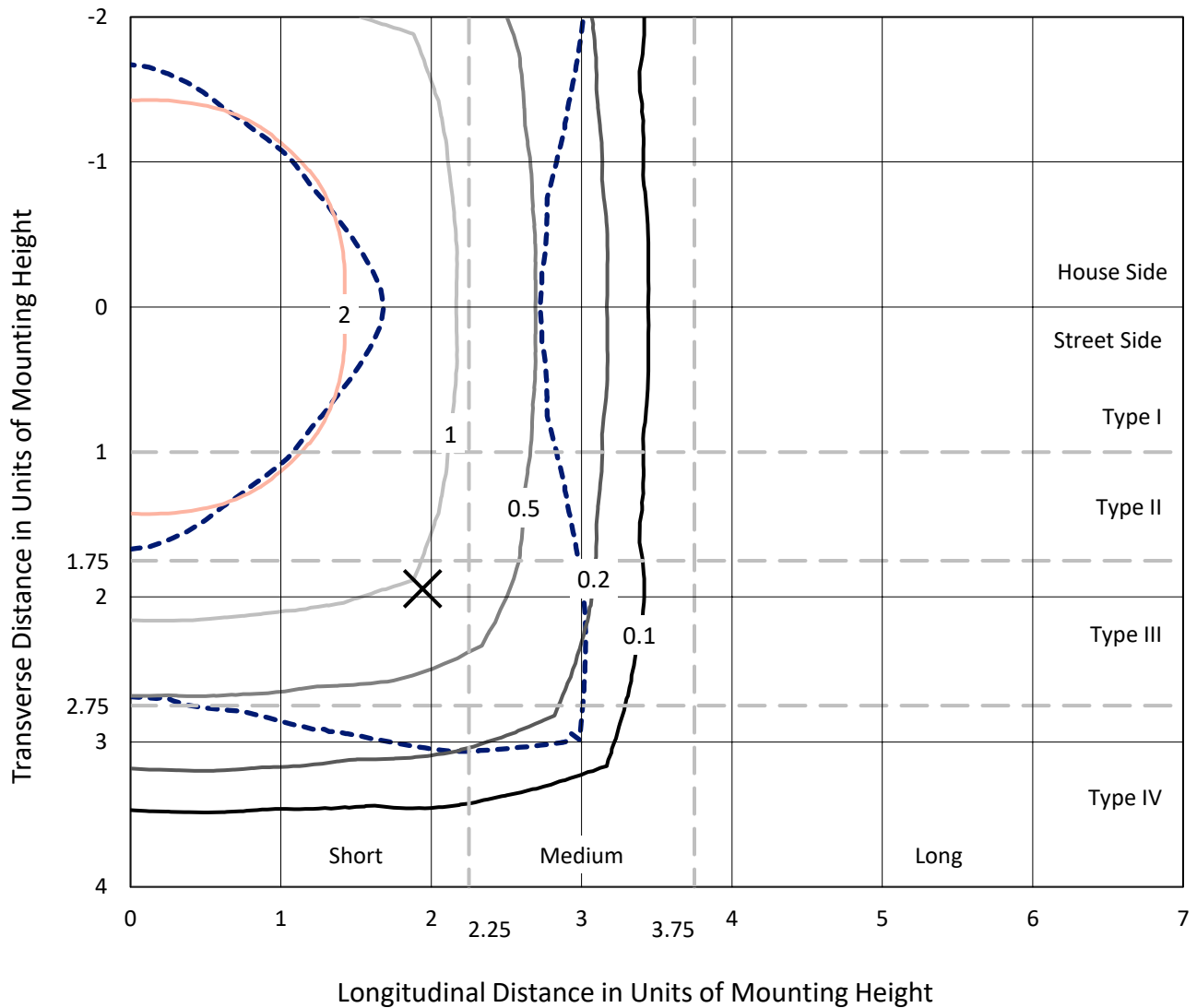
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

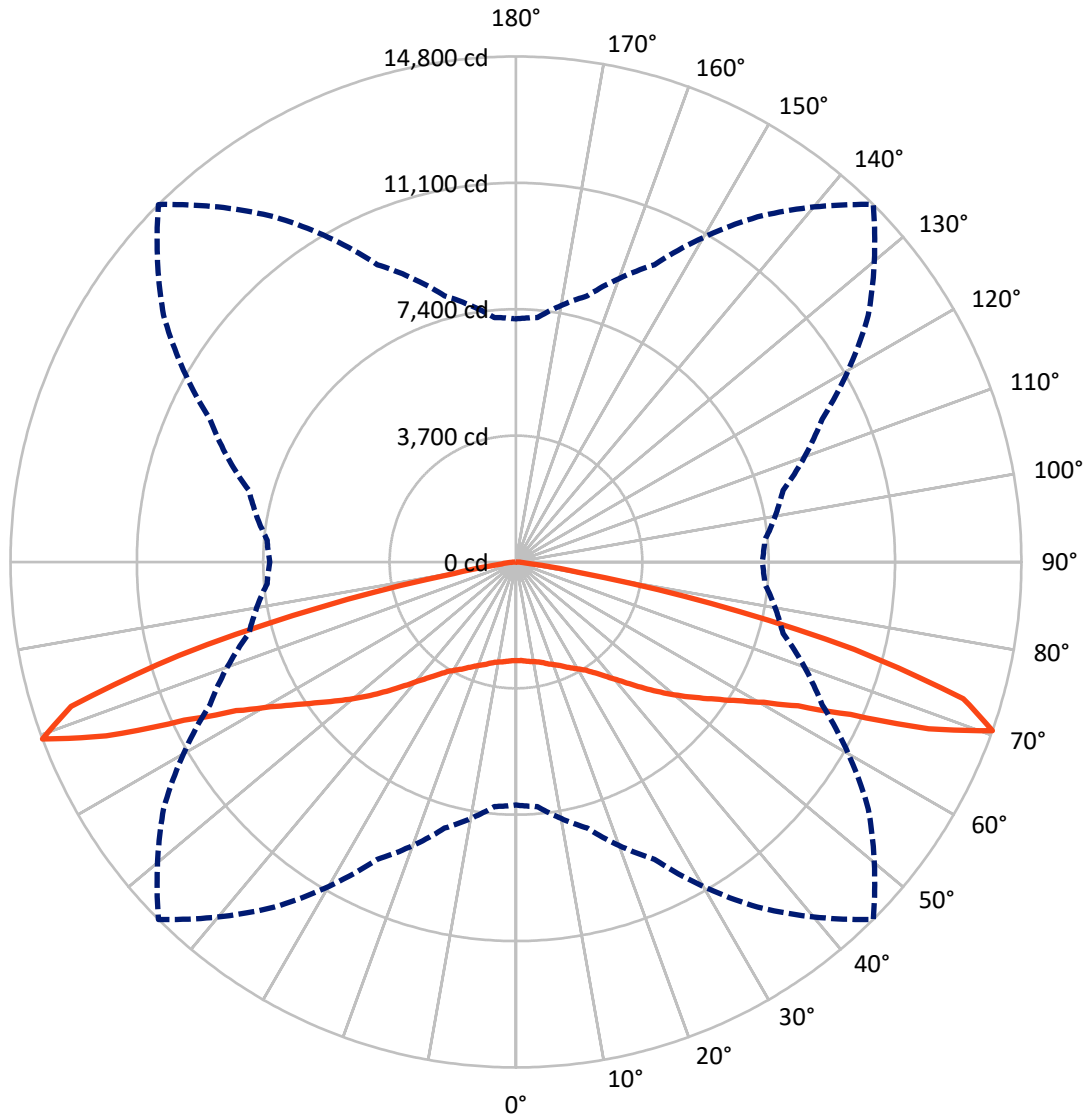
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	15069.5	0.0	15069.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15069.5	0.0	15069.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30139.0	0.0	30139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.5	0.9
10°-20°	869.7	2.9
20°-30°	1554.3	5.2
30°-40°	2519.5	8.4
40°-50°	4103.8	13.6
50°-60°	6256.9	20.8
60°-70°	9308.3	30.9
70°-80°	5073.3	16.8
80°-90°	172.8	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°	30139.0	100.0
0°-180°	30139.0	100.0

Coefficient of Utilization



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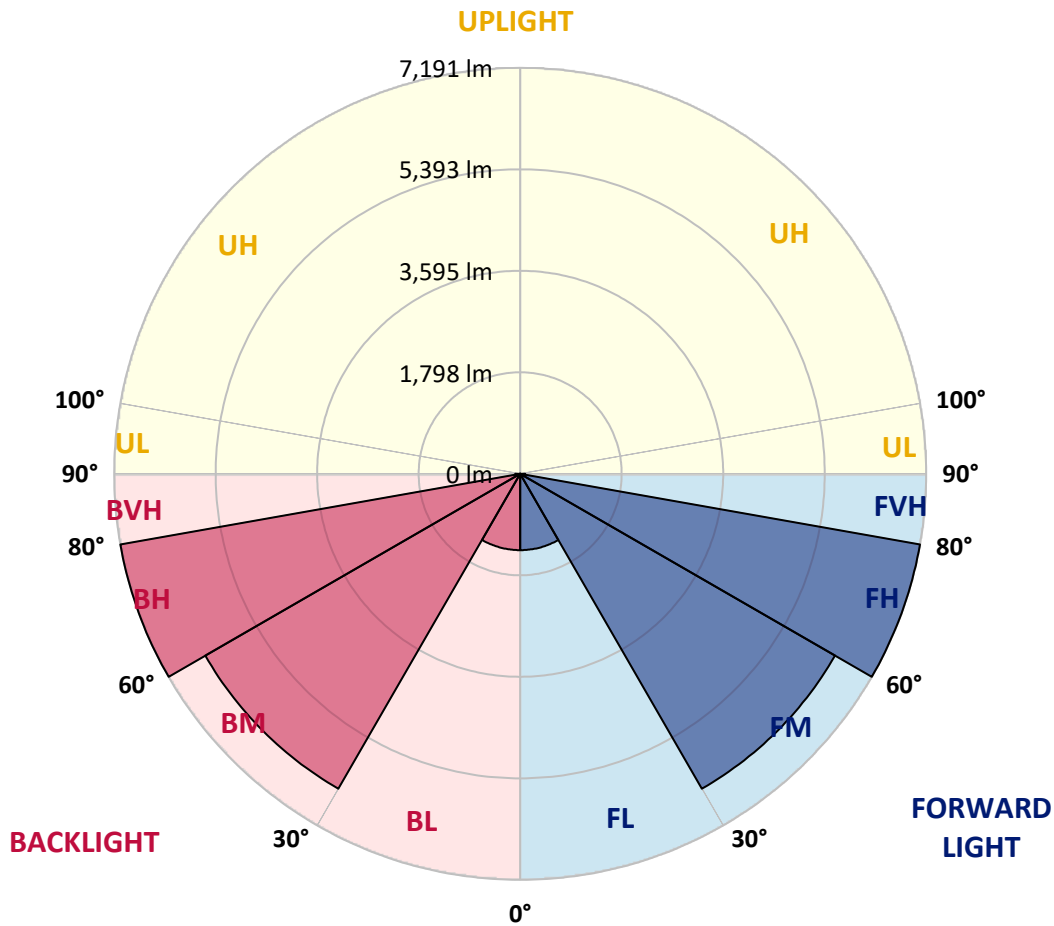
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1352.2	4.5			
FM (30°-60°)	6440.1	21.4			
FH (60°-80°)	7190.8	23.9			G3/7500
FVH (80°-90°)	86.4	0.3			G1/100
BL (0°-30°)	1352.2	4.5	B3/2500		
BM (30°-60°)	6440.1	21.4	B4/8500		
BH (60°-80°)	7190.8	23.9	B5		G3/7500
BVH (80°-90°)	86.4	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°	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0	2887.0
2.5°	2900.6	2903.6	2897.6	2894.6	2891.5	2887.0	2888.5	2896.1	2902.1	2900.6
5°	2924.8	2927.9	2923.3	2921.8	2915.8	2914.2	2914.2	2921.8	2926.3	2923.3
7.5°	2952.1	2956.6	2949.0	2947.5	2944.5	2941.5	2940.0	2947.5	2952.1	2952.1
10°	2977.8	2982.3	2976.3	2971.7	2968.7	2968.7	2965.7	2971.7	2979.3	2977.8
12.5°	3005.0	3008.1	3002.0	2999.0	2999.0	3003.5	2999.0	3002.0	3008.1	3005.0
15°	3038.3	3039.8	3038.3	3042.9	3050.4	3065.6	3051.9	3048.9	3051.9	3044.4
17.5°	3083.7	3086.7	3092.8	3103.4	3114.0	3141.2	3117.0	3109.4	3109.4	3094.3
20°	3139.7	3144.2	3153.3	3171.5	3185.1	3210.8	3186.6	3176.0	3171.5	3151.8
22.5°	3198.7	3206.3	3219.9	3244.1	3268.3	3292.5	3268.3	3250.1	3236.5	3210.8
25°	3266.8	3275.9	3297.1	3336.4	3369.7	3404.5	3375.7	3339.4	3312.2	3275.9
27.5°	3363.6	3374.2	3399.9	3448.4	3490.7	3521.0	3493.8	3446.9	3409.0	3365.1
30°	3499.8	3510.4	3540.7	3592.1	3620.9	3640.5	3622.4	3586.1	3540.7	3490.7
32.5°	3675.3	3688.9	3722.2	3770.7	3776.7	3779.7	3773.7	3755.5	3722.2	3661.7
35°	3897.8	3912.9	3950.7	3990.1	3984.0	3990.1	3981.0	3974.9	3950.7	3881.1
37.5°	4170.1	4188.3	4227.6	4257.9	4242.7	4235.2	4236.7	4238.2	4224.6	4147.4
40°	4486.4	4510.6	4539.3	4571.1	4545.4	4522.7	4537.8	4549.9	4537.8	4459.1
42.5°	4811.7	4846.5	4876.7	4922.1	4900.9	4872.2	4893.4	4907.0	4881.3	4796.5
45°	5173.3	5206.6	5245.9	5314.0	5298.9	5268.6	5298.9	5301.9	5258.0	5158.2
47.5°	5547.0	5581.8	5640.9	5731.6	5725.6	5692.3	5731.6	5710.5	5654.5	5534.9
50°	5901.1	5949.5	6040.3	6167.4	6179.5	6138.7	6191.6	6150.8	6057.0	5907.2
52.5°	6234.0	6285.4	6429.2	6601.7	6645.6	6592.6	6663.7	6592.6	6451.9	6259.7
55°	6583.5	6641.0	6812.0	7037.5	7125.2	7085.9	7152.4	7045.0	6845.3	6612.3
57.5°	6995.1	7029.9	7234.2	7502.0	7650.3	7659.3	7689.6	7508.0	7265.9	7001.1
60°	7441.5	7489.9	7712.3	8033.1	8267.6	8343.3	8311.5	8042.2	7760.7	7456.6
62.5°	8013.4	8066.4	8332.7	8717.0	9087.7	9275.3	9151.3	8760.9	8412.9	8048.2
65°	8487.0	8546.0	9027.2	9712.6	10387.5	10764.2	10452.5	9733.8	9107.4	8592.9
67.5°	8143.5	8216.2	8971.2	10230.1	11908.1	13032.4	11965.6	10384.4	9157.3	8459.8
70°	7117.6	7185.7	8066.4	9605.2	12336.3	14799.7	12593.6	9888.1	8095.1	7314.3
72.5°	4725.4	4944.8	5836.0	7682.0	11015.4	13695.1	11124.3	7526.2	5413.9	4714.8
75°	1567.6	1743.1	2351.4	3982.5	7377.9	10242.2	7023.8	3524.0	1862.6	1340.6
77.5°	394.9	455.4	627.9	1139.4	2943.0	5831.5	2649.4	930.6	506.9	354.1
80°	192.2	211.8	302.6	379.8	736.9	1853.6	691.5	357.1	239.1	184.6
82.5°	105.9	107.4	171.0	214.9	273.9	479.7	284.5	208.8	137.7	112.0
85°	65.1	63.6	90.8	115.0	115.0	171.0	136.2	115.0	78.7	69.6
87.5°	25.7	25.7	33.3	36.3	31.8	43.9	34.8	37.8	30.3	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2887.0
2902.1
2924.8
2952.1
2977.8
3003.5
3044.4
3094.3
3151.8
3209.3
3274.4
3363.6
3490.7
3663.2
3881.1
4147.4
4459.1
4802.6
5168.8
5527.4
5904.1
6241.6
6580.5
6964.8
7408.2
7984.7
8508.2
8355.4
7209.9
4562.0
1268.0
316.2
169.5
112.0
72.6
30.3
0.0

OF REPORT)