

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: P951092

Luminaire Tested: **GALN-SB5B-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27169 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

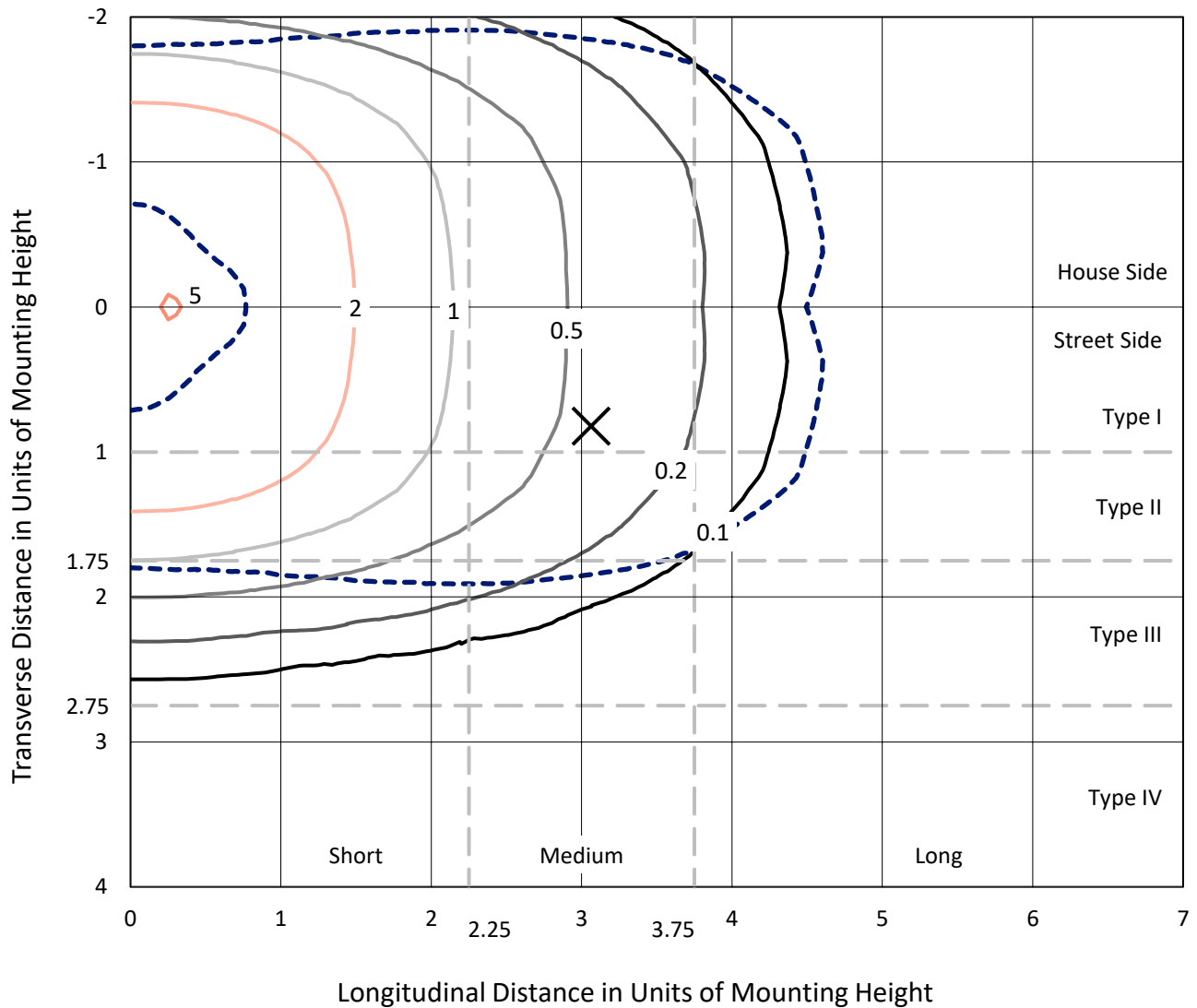
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

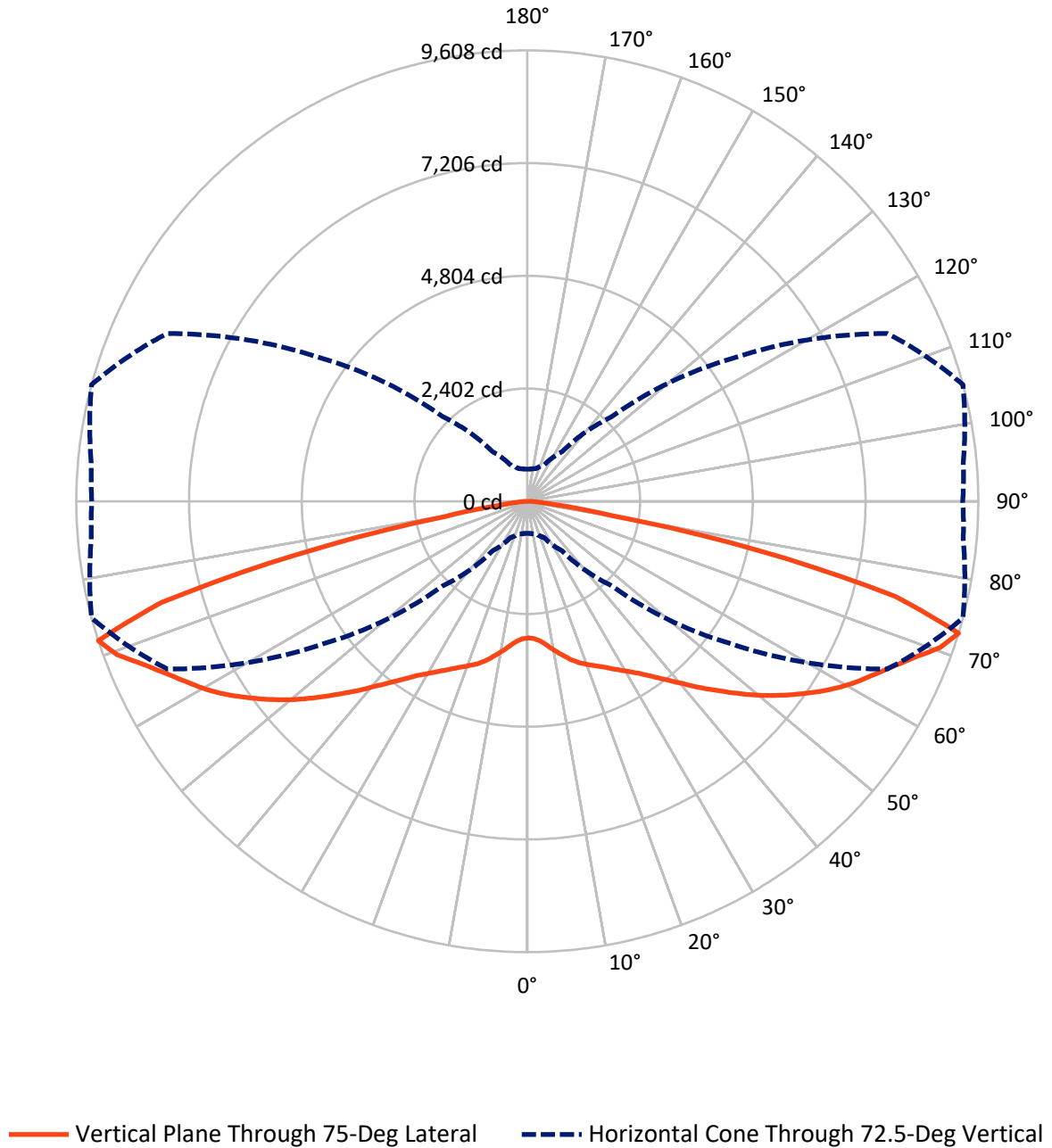
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13584.5	0.0	13584.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13584.5	0.0	13584.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27169.0	0.0	27169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.0
10°-20°	940.3	3.5
20°-30°	1816.9	6.7
30°-40°	3067.9	11.3
40°-50°	4865.4	17.9
50°-60°	6514.2	24.0
60°-70°	6199.4	22.8
70°-80°	3235.0	11.9
80°-90°	244.9	0.9
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°	27169.0	100.0
0°-180°	27169.0	100.0

Coefficient of Utilization



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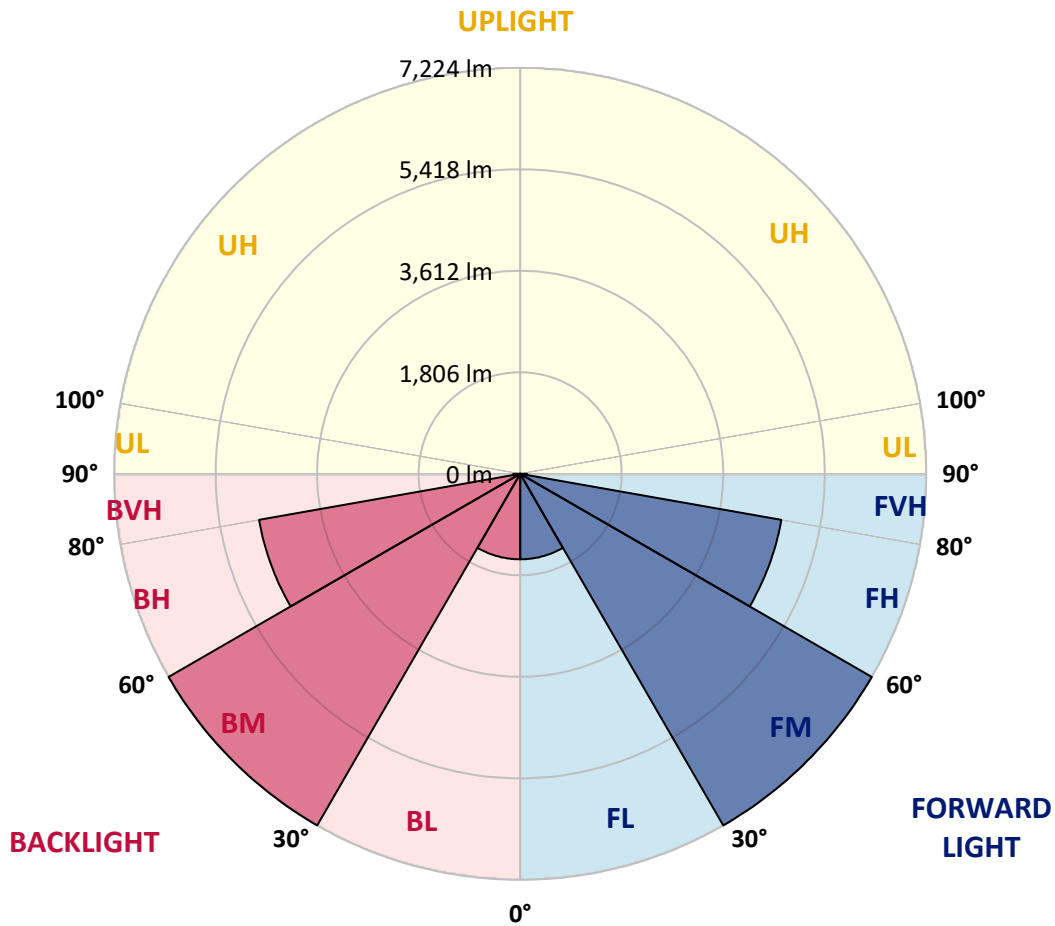
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1521.1	5.6			
FM (30°-60°)	7223.8	26.6			
FH (60°-80°)	4717.2	17.4			G2/5000
FVH (80°-90°)	122.4	0.5			G2/225
BL (0°-30°)	1521.1	5.6	B3/2500		
BM (30°-60°)	7223.8	26.6	B4/8500		
BH (60°-80°)	4717.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	122.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2910.3	2910.3	2910.3	2910.3	2910.3	2910.3	2910.3	2910.3	2910.3	2910.3
2.5°	2910.3	2907.5	2910.3	2913.1	2911.7	2911.7	2918.6	2922.8	2931.1	2929.7
5°	2890.9	2889.5	2900.6	2913.1	2922.8	2939.4	2960.2	2975.5	2994.9	2999.1
7.5°	2881.2	2877.0	2896.4	2918.6	2949.1	2990.7	3031.0	3072.6	3105.9	3117.0
10°	2888.1	2889.5	2915.8	2957.5	3006.0	3064.3	3121.1	3191.9	3239.0	3250.1
12.5°	2920.0	2917.2	2961.6	3028.2	3094.8	3168.3	3234.9	3312.6	3363.9	3390.2
15°	2978.3	2972.7	3035.1	3133.6	3230.7	3316.7	3370.8	3444.3	3504.0	3537.3
17.5°	3047.6	3050.4	3132.2	3259.9	3387.5	3484.6	3535.9	3573.4	3619.1	3648.3
20°	3169.7	3175.2	3266.8	3418.0	3563.6	3674.6	3716.2	3702.4	3714.8	3737.0
22.5°	3333.4	3336.1	3438.8	3602.5	3755.1	3877.1	3904.9	3848.0	3813.3	3828.6
25°	3523.4	3541.4	3644.1	3811.9	3968.7	4085.2	4097.7	4011.7	3925.7	3929.9
27.5°	3755.1	3771.7	3875.8	4042.2	4201.7	4303.0	4301.6	4186.5	4060.3	4028.3
30°	4006.2	4024.2	4131.0	4303.0	4451.4	4540.2	4520.8	4383.5	4203.1	4143.5
32.5°	4304.4	4315.5	4423.7	4595.7	4733.0	4803.8	4763.5	4594.3	4369.6	4301.6
35°	4665.1	4681.7	4762.2	4924.5	5045.1	5103.4	5035.4	4835.7	4583.2	4506.9
37.5°	5077.0	5066.0	5157.5	5301.8	5401.6	5437.7	5344.8	5107.6	4827.4	4737.2
40°	5507.1	5501.5	5601.4	5740.1	5794.2	5816.4	5679.1	5419.7	5109.0	5011.9
42.5°	5896.9	5892.7	6027.3	6181.2	6246.4	6221.5	6048.1	5751.2	5434.9	5324.0
45°	6209.0	6203.4	6368.5	6584.9	6712.5	6670.9	6437.9	6117.4	5765.1	5650.0
47.5°	6449.0	6451.7	6629.3	6897.0	7120.4	7135.6	6836.0	6490.6	6128.5	5998.1
50°	6622.4	6630.7	6820.7	7117.6	7422.8	7557.3	7242.4	6873.4	6504.4	6357.4
52.5°	6665.4	6680.6	6909.5	7257.7	7617.0	7873.6	7655.8	7241.0	6861.0	6720.8
55°	6436.5	6467.0	6756.9	7246.6	7736.3	8081.7	8019.2	7614.2	7220.2	7076.0
57.5°	5910.7	5953.7	6292.2	6931.7	7709.9	8224.5	8300.8	7972.1	7579.5	7440.8
60°	5174.2	5225.5	5550.1	6247.8	7338.1	8277.3	8499.2	8320.3	7909.7	7775.1
62.5°	4063.0	4129.6	4518.0	5336.4	6553.0	8031.7	8668.4	8635.1	8206.5	8038.7
65°	2606.5	2677.2	3086.5	4053.3	5505.7	7279.9	8721.1	8941.7	8520.0	8285.6
67.5°	1571.7	1603.6	1806.1	2456.7	4024.2	6146.6	8274.5	9281.6	8886.2	8594.9
70°	1005.7	1023.7	1144.4	1442.7	2275.0	4484.7	7167.5	9345.4	9330.1	8912.6
72.5°	682.5	688.0	719.9	854.5	1287.3	2548.2	5286.5	8460.4	9607.6	9321.8
75°	499.4	529.9	581.2	604.8	731.0	1273.4	3029.6	5944.0	8096.9	8221.8
77.5°	371.8	373.1	443.9	471.6	521.6	678.3	1281.7	3318.1	5027.1	5278.2
80°	314.9	298.2	296.9	380.1	392.6	423.1	572.9	1145.8	1800.5	1091.7
82.5°	262.2	244.1	220.6	296.9	267.7	259.4	248.3	466.1	572.9	281.6
85°	183.1	174.8	166.5	194.2	152.6	130.4	119.3	217.8	241.4	119.3
87.5°	79.1	81.8	83.2	86.0	63.8	45.8	45.8	61.0	61.0	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2910.3
2928.3
2999.1
3119.7
3261.2
3401.3
3549.8
3662.1
3753.7
3839.7
3936.8
4038.1
4150.4
4318.3
4518.0
4753.8
5043.8
5351.7
5676.3
6037.0
6401.8
6756.9
7116.2
7472.7
7804.2
8058.1
8314.7
8617.1
8909.8
9277.4
7919.4
4708.1
825.4
240.0
105.4
34.7
0.0

OF REPORT)