

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: P953927

Luminaire Tested: **GALN-SB7B-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953927
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-SB7B-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37054 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

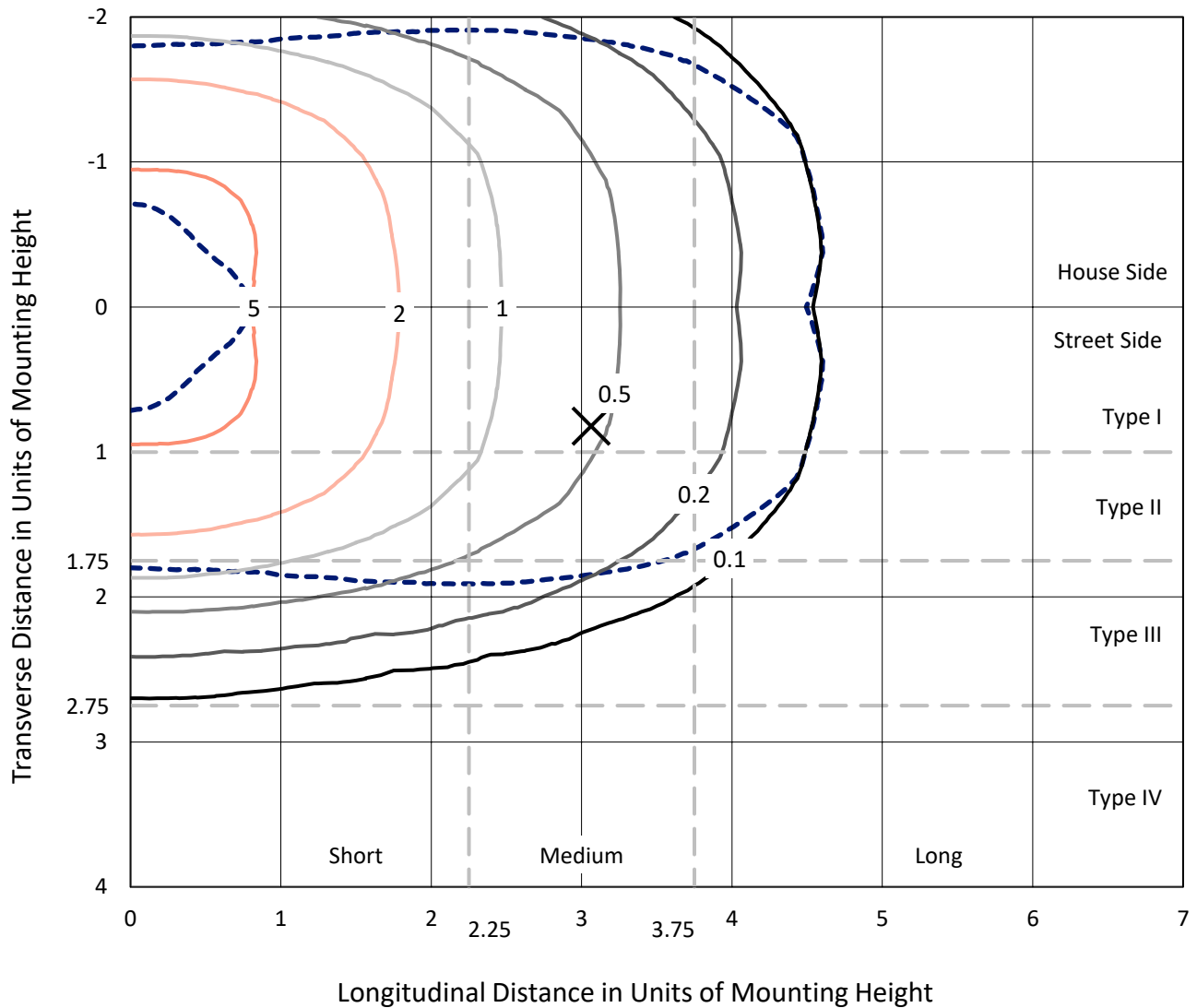
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

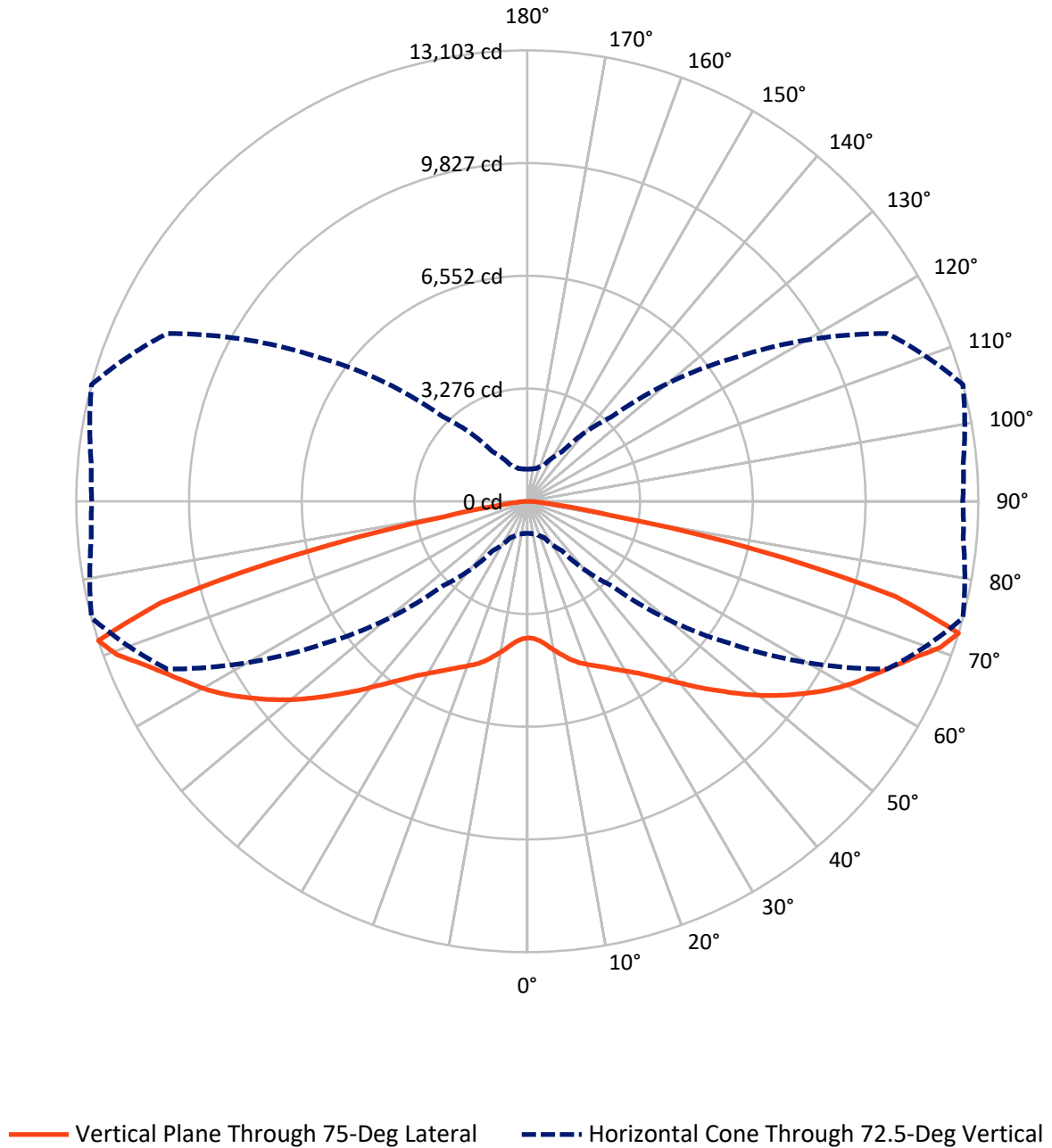
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	18527.0	0.0	18527.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18527.0	0.0	18527.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37054.0	0.0	37054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.8	1.0
10°-20°	1282.4	3.5
20°-30°	2477.9	6.7
30°-40°	4184.1	11.3
40°-50°	6635.6	17.9
50°-60°	8884.3	24.0
60°-70°	8455.0	22.8
70°-80°	4411.9	11.9
80°-90°	334.0	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°	37054.0	100.0
0°-180°	37054.0	100.0

Coefficient of Utilization



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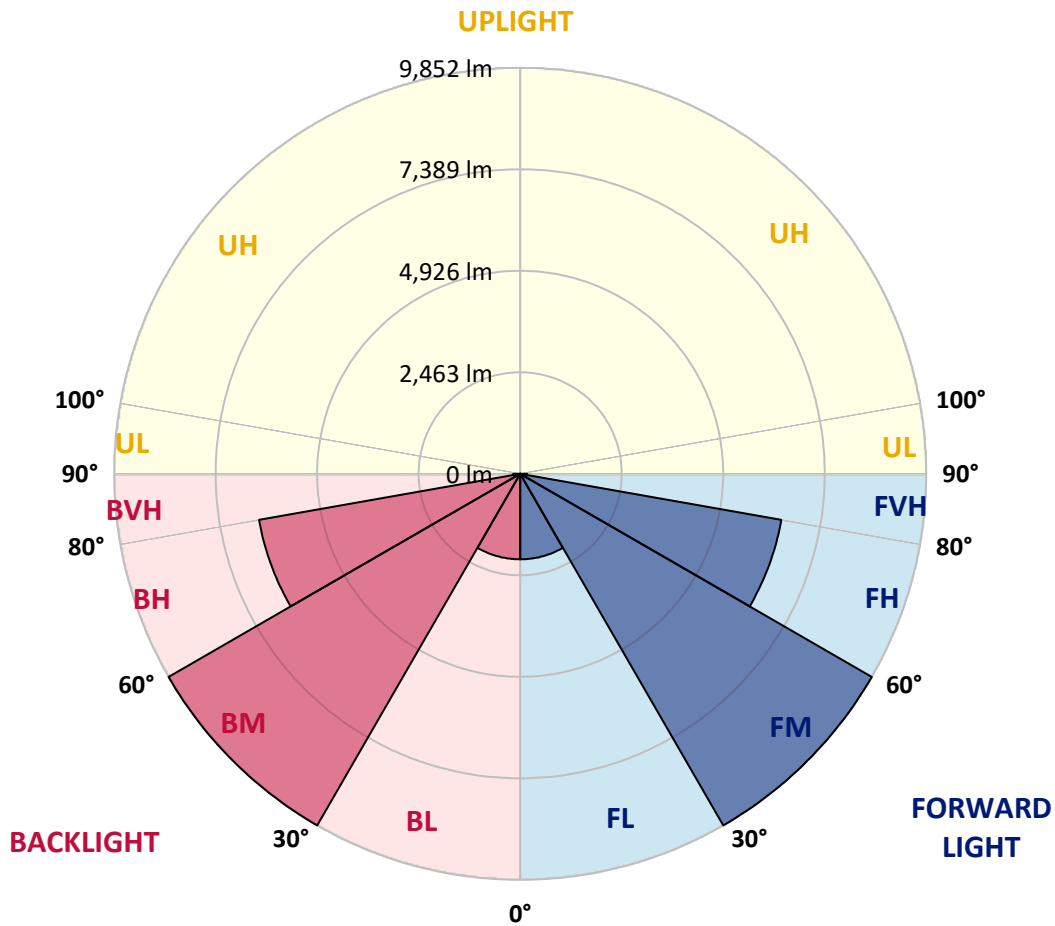
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2074.6	5.6			
FM (30°-60°)	9852.0	26.6			
FH (60°-80°)	6433.5	17.4			G3/7500
FVH (80°-90°)	167.0	0.5			G2/225
BL (0°-30°)	2074.6	5.6	B3/2500		
BM (30°-60°)	9852.0	26.6	B5		
BH (60°-80°)	6433.5	17.4	B5		G5
BVH (80°-90°)	167.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3969.1	3969.1	3969.1	3969.1	3969.1	3969.1	3969.1	3969.1	3969.1	3969.1
2.5°	3969.1	3965.4	3969.1	3972.9	3971.0	3971.0	3980.5	3986.2	3997.5	3995.6
5°	3942.7	3940.8	3955.9	3972.9	3986.2	4008.9	4037.3	4058.1	4084.6	4090.2
7.5°	3929.4	3923.7	3950.2	3980.5	4022.1	4078.9	4133.7	4190.5	4235.9	4251.0
10°	3938.9	3940.8	3976.7	4033.5	4099.7	4179.1	4256.7	4353.2	4417.5	4432.7
12.5°	3982.4	3978.6	4039.1	4130.0	4220.8	4321.0	4411.8	4517.8	4587.8	4623.7
15°	4061.8	4054.3	4139.4	4273.7	4406.2	4523.5	4597.2	4697.5	4778.9	4824.3
17.5°	4156.4	4160.2	4271.8	4445.9	4620.0	4752.4	4822.4	4873.5	4935.9	4975.6
20°	4322.9	4330.5	4455.4	4661.6	4860.2	5011.6	5068.3	5049.4	5066.4	5096.7
22.5°	4546.2	4550.0	4689.9	4913.2	5121.3	5287.8	5325.6	5248.1	5200.8	5221.6
25°	4805.4	4829.9	4969.9	5198.9	5412.6	5571.6	5588.6	5471.3	5354.0	5359.7
27.5°	5121.3	5144.0	5285.9	5512.9	5730.5	5868.6	5866.7	5709.7	5537.5	5494.0
30°	5463.7	5488.3	5634.0	5868.6	6071.0	6192.1	6165.6	5978.3	5732.4	5651.0
32.5°	5870.5	5885.6	6033.2	6267.8	6455.1	6551.6	6496.7	6265.9	5959.4	5866.7
35°	6362.4	6385.1	6494.8	6716.1	6880.7	6960.2	6867.5	6595.1	6250.7	6146.7
37.5°	6924.3	6909.1	7034.0	7230.7	7366.9	7416.1	7289.4	6965.9	6583.7	6460.7
40°	7510.7	7503.2	7639.4	7828.6	7902.3	7932.6	7745.3	7391.5	6967.8	6835.3
42.5°	8042.3	8036.7	8220.2	8430.2	8519.1	8485.0	8248.6	7843.7	7412.4	7261.0
45°	8468.0	8460.5	8685.6	8980.7	9154.8	9098.0	8780.2	8343.2	7862.6	7705.6
47.5°	8795.3	8799.1	9041.3	9406.4	9711.0	9731.8	9323.1	8852.1	8358.3	8180.5
50°	9031.8	9043.1	9302.3	9707.2	10123.4	10306.9	9877.5	9374.2	8871.0	8670.4
52.5°	9090.4	9111.3	9423.4	9898.3	10388.3	10738.3	10441.2	9875.6	9357.2	9166.1
55°	8778.3	8819.9	9215.3	9883.1	10551.0	11022.0	10936.9	10384.5	9847.2	9650.4
57.5°	8061.3	8119.9	8581.5	9453.7	10515.0	11216.9	11321.0	10872.6	10337.2	10148.0
60°	7056.7	7126.7	7569.4	8521.0	10008.0	11288.8	11591.5	11347.4	10787.5	10603.9
62.5°	5541.3	5632.1	6161.8	7278.0	8937.2	10953.9	11822.3	11776.9	11192.3	10963.4
65°	3554.8	3651.3	4209.4	5528.0	7508.8	9928.5	11894.2	12195.0	11619.9	11300.1
67.5°	2143.5	2187.0	2463.2	3350.5	5488.3	8382.9	11285.0	12658.5	12119.3	11722.0
70°	1371.6	1396.2	1560.8	1967.5	3102.7	6116.4	9775.3	12745.5	12724.7	12155.3
72.5°	930.8	938.4	981.9	1165.4	1755.7	3475.4	7209.9	11538.5	13103.1	12713.4
75°	681.1	722.7	792.7	824.9	997.0	1736.7	4131.8	8106.7	11042.9	11213.1
77.5°	507.0	508.9	605.4	643.2	711.3	925.1	1748.1	4525.4	6856.1	7198.6
80°	429.5	406.8	404.9	518.4	535.4	577.0	781.3	1562.7	2455.6	1488.9
82.5°	357.6	333.0	300.8	404.9	365.1	353.8	338.6	635.7	781.3	384.0
85°	249.7	238.4	227.0	264.9	208.1	177.8	162.7	297.0	329.2	162.7
87.5°	107.8	111.6	113.5	117.3	87.0	62.4	62.4	83.2	83.2	64.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3969.1
3993.7
4090.2
4254.8
4447.8
4638.9
4841.3
4994.5
5119.4
5236.7
5369.1
5507.2
5660.5
5889.4
6161.8
6483.4
6878.8
7298.8
7741.5
8233.4
8731.0
9215.3
9705.3
10191.5
10643.7
10989.9
11339.9
11752.3
12151.5
12652.8
10800.7
6421.0
1125.7
327.3
143.8
47.3
0.0

OF REPORT)