

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: P954347

Luminaire Tested: **GALN-SB7C-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954347
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-SB7C-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52460 lumens
Efficiency: N/A
Efficacy: 149.7 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

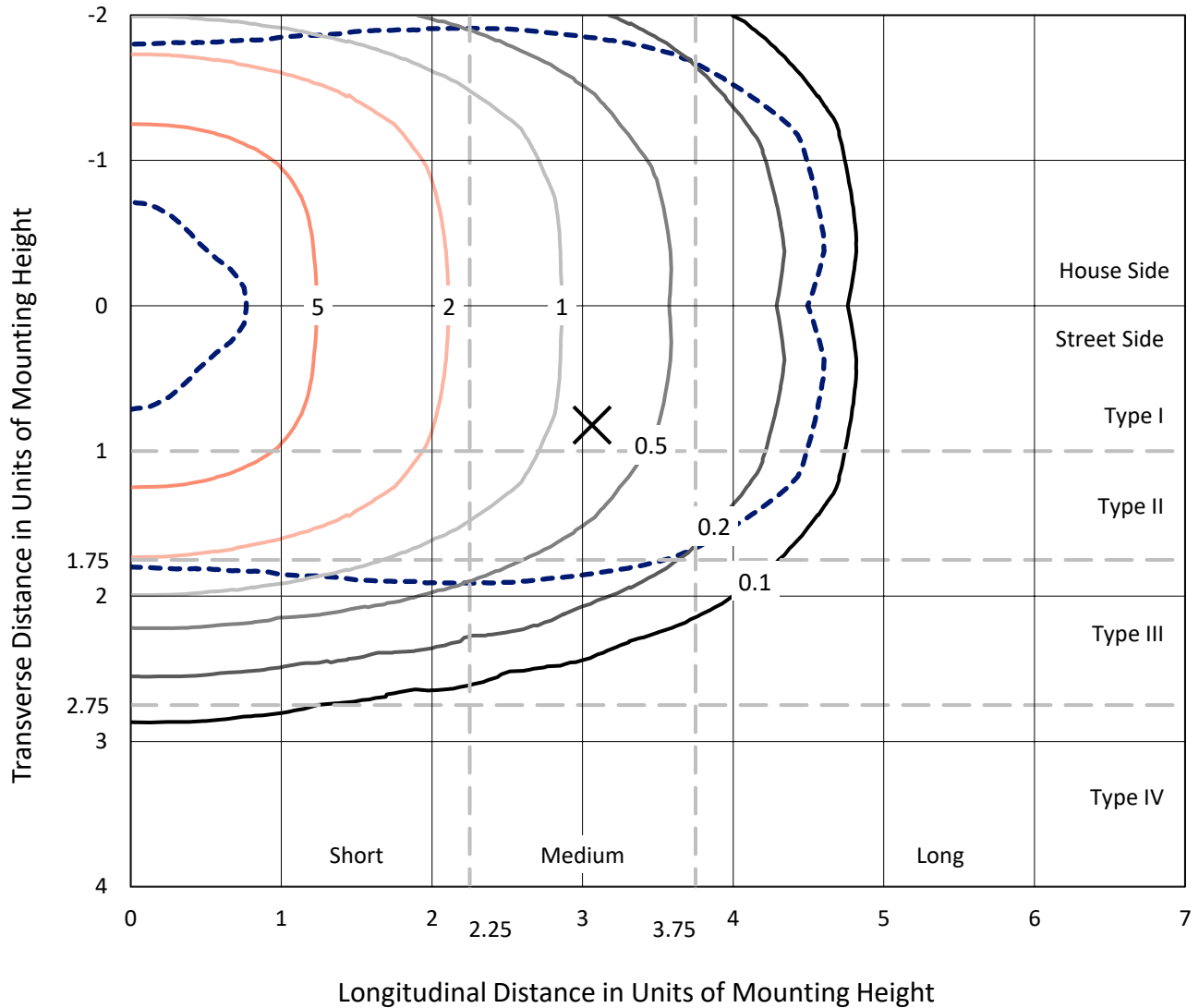
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

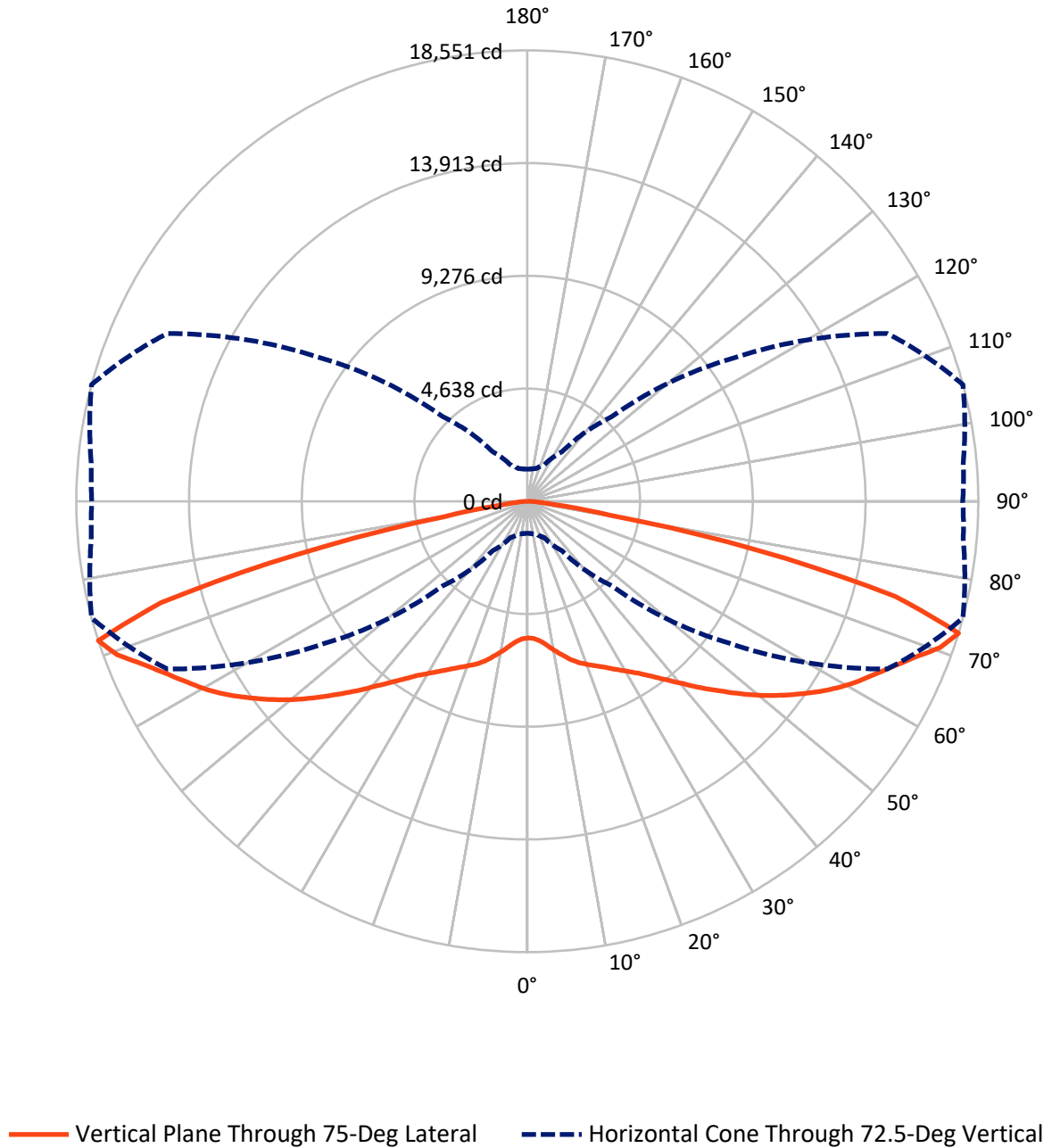
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	26230.0	0.0	26230.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26230.0	0.0	26230.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52460.0	0.0	52460.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.5	1.0
10°-20°	1815.6	3.5
20°-30°	3508.2	6.7
30°-40°	5923.8	11.3
40°-50°	9394.5	17.9
50°-60°	12578.1	24.0
60°-70°	11970.3	22.8
70°-80°	6246.3	11.9
80°-90°	472.8	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°	52460.0	100.0
0°-180°	52460.0	100.0



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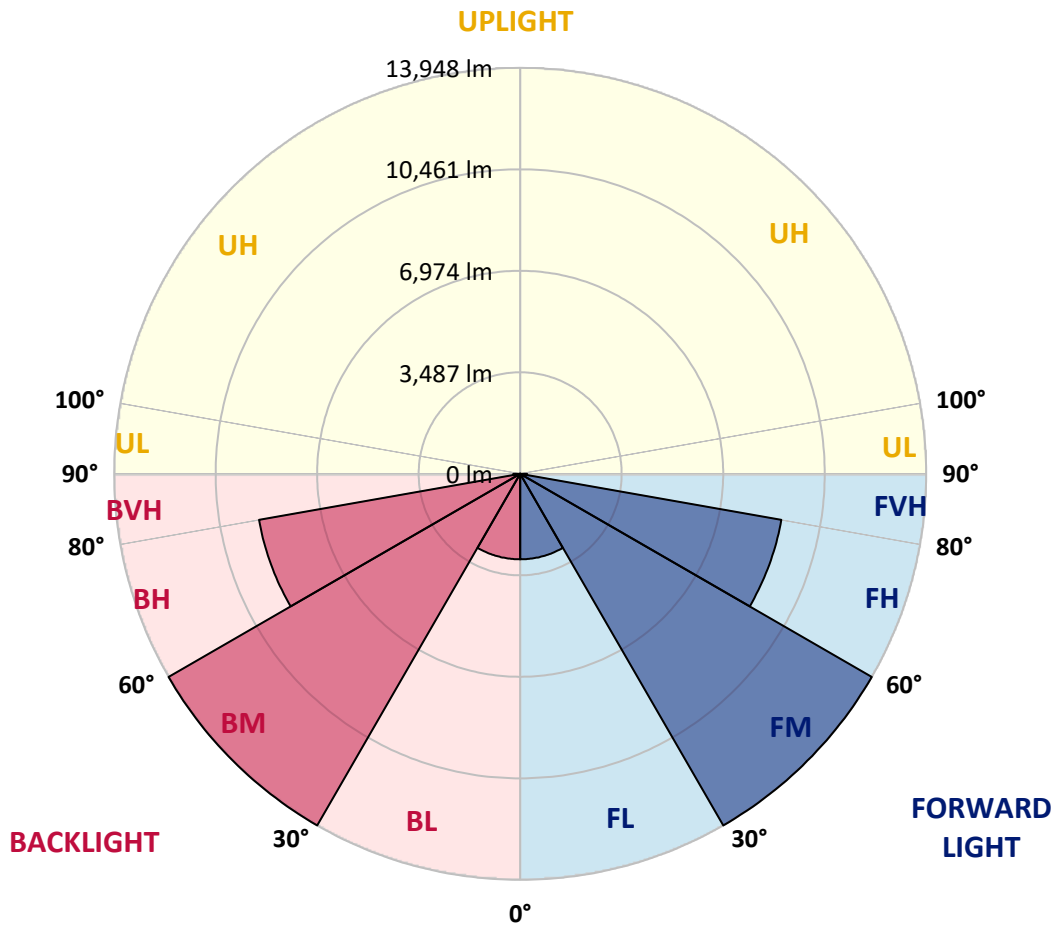
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2937.1	5.6			
FM (30°-60°)	13948.2	26.6			
FH (60°-80°)	9108.3	17.4			G4/12000
FVH (80°-90°)	236.4	0.5			G3/500
BL (0°-30°)	2937.1	5.6	B4/5000		
BM (30°-60°)	13948.2	26.6	B5		
BH (60°-80°)	9108.3	17.4	B5		G5
BVH (80°-90°)	236.4	0.5			G3/500
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°	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4	5619.4
2.5°	5619.4	5614.0	5619.4	5624.8	5622.1	5622.1	5635.5	5643.5	5659.6	5656.9
5°	5581.9	5579.2	5600.7	5624.8	5643.5	5675.7	5715.8	5745.3	5782.8	5790.8
7.5°	5563.2	5555.1	5592.6	5635.5	5694.4	5774.8	5852.4	5932.8	5997.1	6018.5
10°	5576.5	5579.2	5630.1	5710.5	5804.2	5916.7	6026.5	6163.1	6254.2	6275.6
12.5°	5638.2	5632.8	5718.5	5847.1	5975.6	6117.6	6246.2	6396.2	6495.3	6546.2
15°	5750.6	5739.9	5860.5	6050.6	6238.1	6404.2	6508.7	6650.6	6765.8	6830.1
17.5°	5884.6	5889.9	6048.0	6294.4	6540.8	6728.3	6827.4	6899.7	6988.1	7044.3
20°	6120.3	6131.0	6307.8	6599.7	6881.0	7095.2	7175.6	7148.8	7172.9	7215.8
22.5°	6436.3	6441.7	6639.9	6956.0	7250.6	7486.3	7539.9	7430.0	7363.1	7392.5
25°	6803.3	6838.1	7036.3	7360.4	7663.1	7888.1	7912.2	7746.1	7580.0	7588.1
27.5°	7250.6	7282.7	7483.6	7805.0	8113.0	8308.6	8305.9	8083.6	7839.8	7778.2
30°	7735.4	7770.2	7976.4	8308.6	8595.2	8766.6	8729.1	8463.9	8115.7	8000.6
32.5°	8311.3	8332.7	8541.6	8873.7	9138.9	9275.5	9197.8	8871.1	8437.1	8305.9
35°	9007.7	9039.8	9195.1	9508.5	9741.6	9854.0	9722.8	9337.1	8849.6	8702.3
37.5°	9803.2	9781.7	9958.5	10237.1	10429.9	10499.6	10320.1	9862.1	9321.0	9146.9
40°	10633.5	10622.8	10815.6	11083.5	11187.9	11230.8	10965.6	10464.7	9864.8	9677.3
42.5°	11386.1	11378.1	11637.9	11935.2	12061.1	12012.9	11678.1	11104.9	10494.2	10279.9
45°	11988.8	11978.1	12296.8	12714.6	12961.1	12880.7	12430.7	11812.0	11131.7	10909.4
47.5°	12452.2	12457.5	12800.4	13317.3	13748.5	13778.0	13199.4	12532.5	11833.4	11581.7
50°	12787.0	12803.0	13170.0	13743.2	14332.4	14592.2	13984.2	13271.8	12559.3	12275.4
52.5°	12870.0	12899.5	13341.4	14013.7	14707.4	15202.9	14782.4	13981.6	13247.7	12977.1
55°	12428.0	12487.0	13046.8	13992.3	14937.8	15604.7	15484.2	14702.1	13941.4	13662.8
57.5°	11412.9	11495.9	12149.5	13384.3	14886.9	15880.6	16027.9	15393.1	14635.1	14367.2
60°	9990.6	10089.8	10716.5	12063.8	14169.0	15982.4	16410.9	16065.4	15272.6	15012.8
62.5°	7845.2	7973.8	8723.7	10304.0	12653.0	15508.3	16737.7	16673.4	15845.8	15521.7
65°	5032.8	5169.4	5959.6	7826.5	10630.8	14056.5	16839.5	17265.3	16451.1	15998.4
67.5°	3034.7	3096.3	3487.4	4743.5	7770.2	11868.2	15977.0	17921.6	17158.2	16595.7
70°	1941.9	1976.7	2209.7	2785.6	4392.7	8659.5	13839.6	18044.8	18015.3	17209.1
72.5°	1317.8	1328.5	1390.1	1649.9	2485.6	4920.3	10207.6	16335.9	18551.0	17999.2
75°	964.2	1023.2	1122.3	1167.8	1411.5	2458.8	5849.8	11477.2	15634.2	15875.2
77.5°	717.8	720.5	857.1	910.7	1007.1	1309.8	2474.9	6406.9	9706.7	10191.5
80°	608.0	575.9	573.2	733.9	758.0	816.9	1106.2	2212.4	3476.6	2107.9
82.5°	506.2	471.4	425.9	573.2	516.9	500.9	479.4	900.0	1106.2	543.7
85°	353.6	337.5	321.4	375.0	294.6	251.8	230.3	420.5	466.1	230.3
87.5°	152.7	158.0	160.7	166.1	123.2	88.4	88.4	117.9	117.9	91.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5619.4
5654.2
5790.8
6023.9
6297.1
6567.6
6854.2
7071.1
7247.9
7414.0
7601.5
7797.0
8013.9
8338.0
8723.7
9179.1
9738.9
10333.5
10960.3
11656.6
12361.1
13046.8
13740.5
14428.9
15069.0
15559.2
16054.7
16638.6
17203.7
17913.5
15291.3
9090.7
1593.7
463.4
203.6
67.0
0.0

OF REPORT)