

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: P953843

Luminaire Tested: **GALN-SB7B-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953843
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-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43628 lumens
Efficiency: N/A
Efficacy: 170.0 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

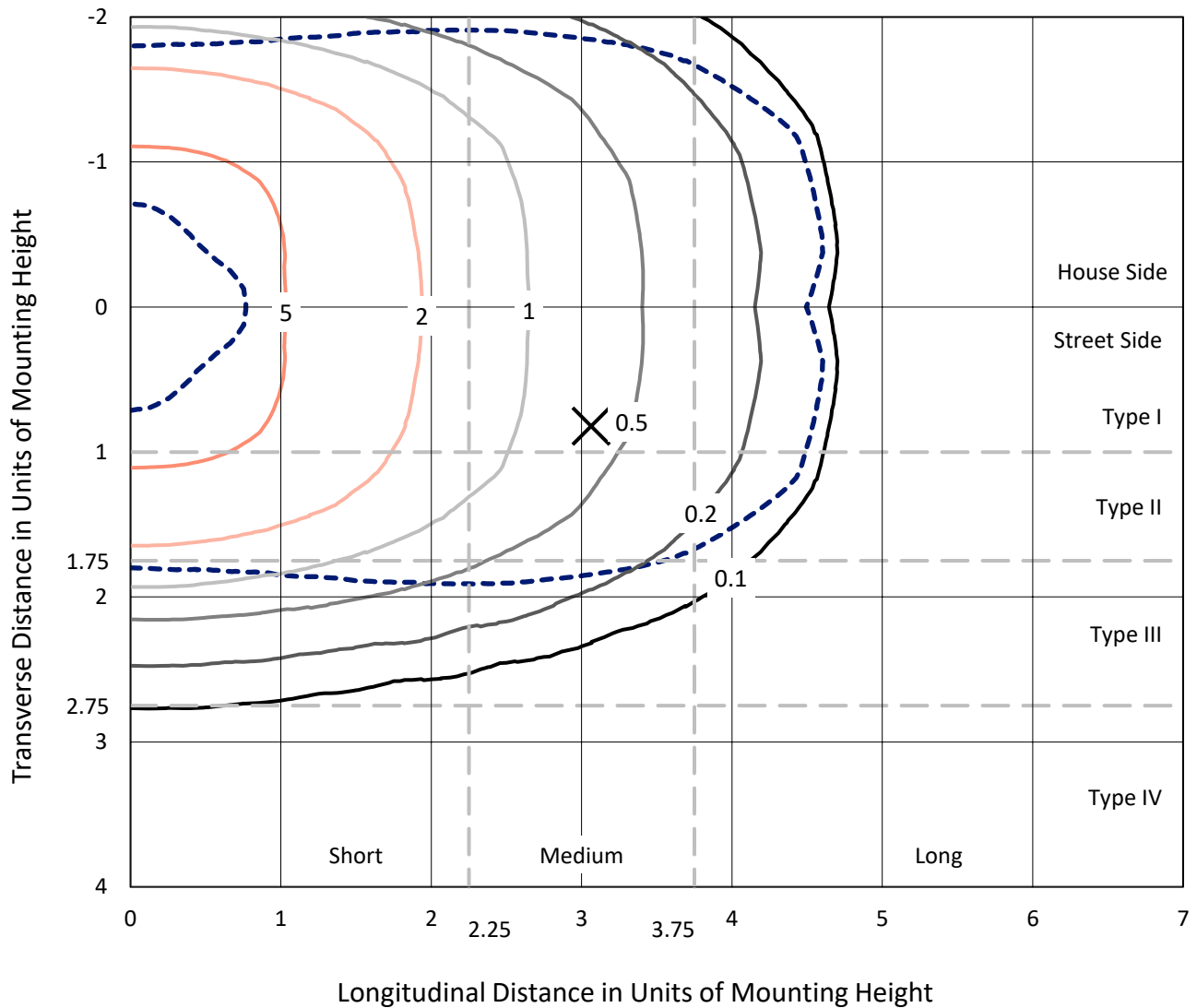
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953843
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Iso-Footcandle Lines of Horizontal Illumination

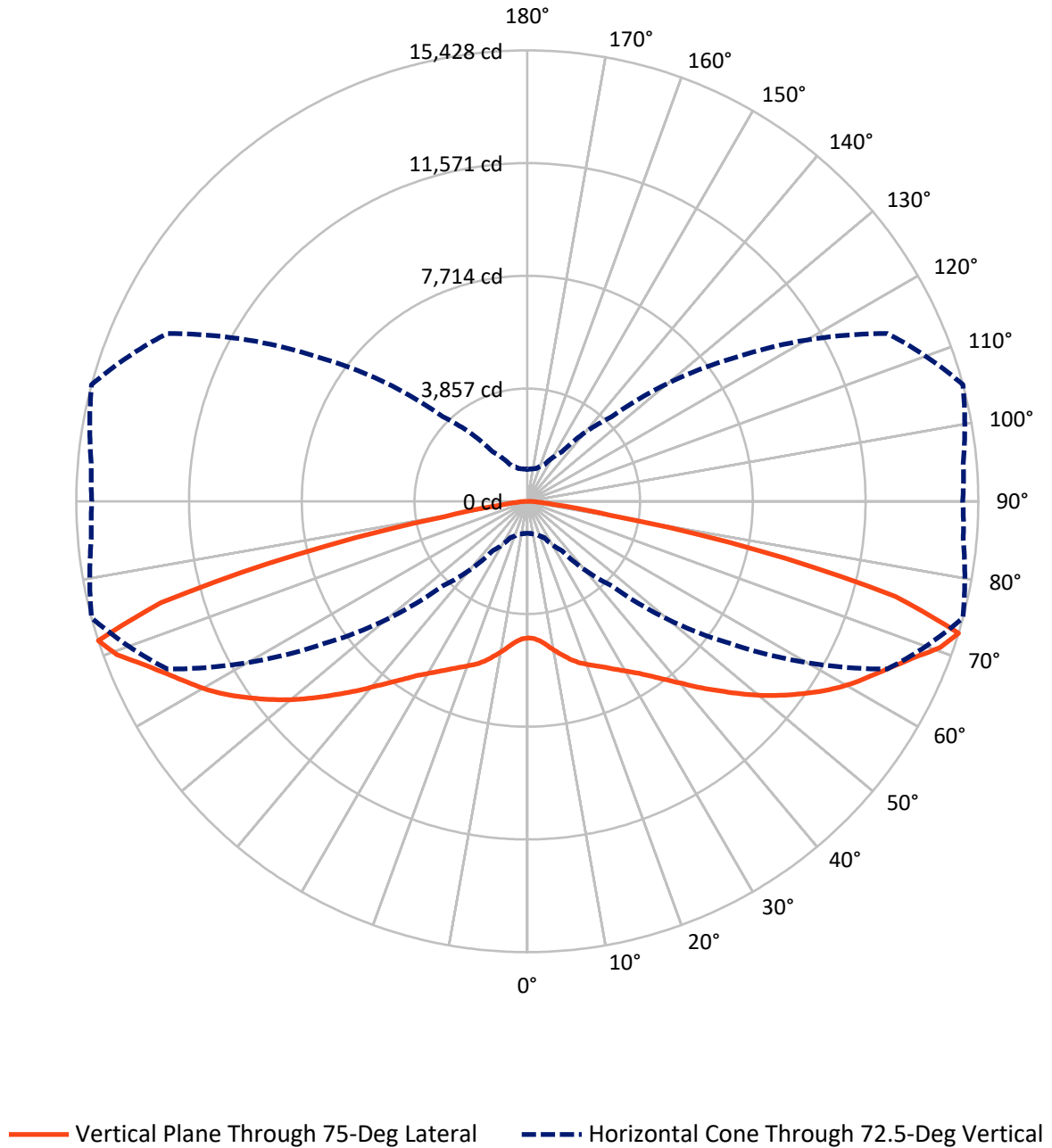
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P953843
CATALOG NUMBER: GALN-SB7B-740-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21814.0	0.0	21814.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21814.0	0.0	21814.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43628.0	0.0	43628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.8	1.0
10°-20°	1509.9	3.5
20°-30°	2917.6	6.7
30°-40°	4926.5	11.3
40°-50°	7812.8	17.9
50°-60°	10460.5	24.0
60°-70°	9955.0	22.8
70°-80°	5194.7	11.9
80°-90°	393.2	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°	43628.0	100.0
0°-180°	43628.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953843

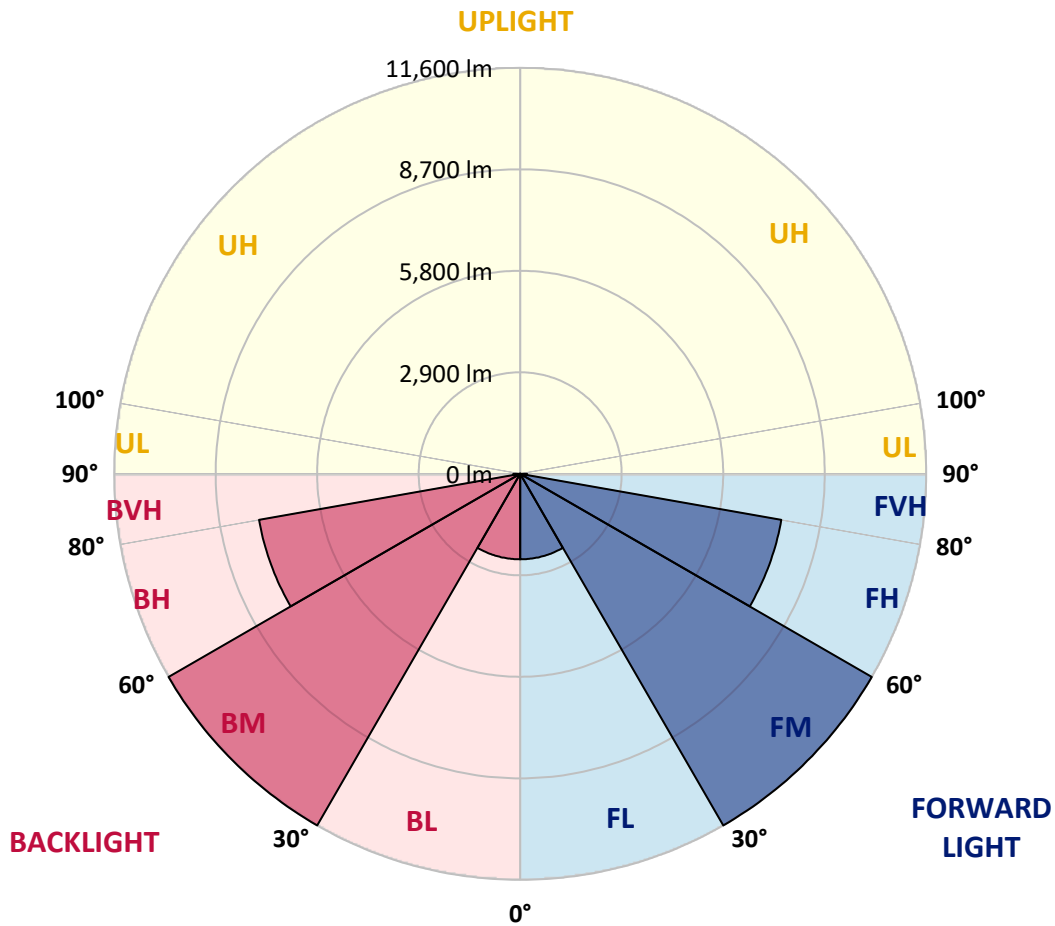
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2442.6	5.6			
FM (30°-60°)	11599.9	26.6			
FH (60°-80°)	7574.9	17.4			G4/12000
FVH (80°-90°)	196.6	0.5			G2/225
BL (0°-30°)	2442.6	5.6	B3/2500		
BM (30°-60°)	11599.9	26.6	B5		
BH (60°-80°)	7574.9	17.4	B5		G5
BVH (80°-90°)	196.6	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°	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3
2.5°	4673.3	4668.9	4673.3	4677.8	4675.6	4675.6	4686.7	4693.4	4706.8	4704.5
5°	4642.2	4639.9	4657.7	4677.8	4693.4	4720.1	4753.5	4778.0	4809.2	4815.9
7.5°	4626.6	4619.9	4651.1	4686.7	4735.7	4802.5	4867.1	4934.0	4987.4	5005.2
10°	4637.7	4639.9	4682.2	4749.1	4827.0	4920.6	5011.9	5125.5	5201.3	5219.1
12.5°	4688.9	4684.5	4755.8	4862.7	4969.6	5087.7	5194.6	5319.3	5401.7	5444.1
15°	4782.5	4773.6	4873.8	5032.0	5187.9	5326.0	5412.9	5530.9	5626.7	5680.2
17.5°	4893.9	4898.3	5029.7	5234.7	5439.6	5595.5	5678.0	5738.1	5811.6	5858.4
20°	5089.9	5098.8	5245.8	5488.6	5722.5	5900.7	5967.5	5945.3	5965.3	6000.9
22.5°	5352.7	5357.2	5522.0	5784.9	6029.9	6225.9	6270.5	6179.1	6123.5	6148.0
25°	5657.9	5686.9	5851.7	6121.2	6372.9	6560.1	6580.1	6442.0	6303.9	6310.6
27.5°	6029.9	6056.6	6223.7	6491.0	6747.2	6909.8	6907.5	6722.7	6520.0	6468.7
30°	6433.1	6462.0	6633.6	6909.8	7148.1	7290.7	7259.5	7039.0	6749.4	6653.6
32.5°	6912.0	6929.8	7103.6	7379.8	7600.3	7713.9	7649.3	7377.6	7016.7	6907.5
35°	7491.2	7517.9	7647.1	7907.7	8101.5	8195.1	8085.9	7765.1	7359.7	7237.2
37.5°	8152.7	8134.9	8281.9	8513.6	8674.0	8731.9	8582.6	8201.7	7751.8	7607.0
40°	8843.3	8834.3	8994.7	9217.5	9304.4	9340.0	9119.5	8702.9	8204.0	8048.0
42.5°	9469.2	9462.5	9678.6	9925.8	10030.5	9990.4	9712.0	9235.3	8727.4	8549.2
45°	9970.4	9961.5	10226.6	10574.0	10779.0	10712.2	10337.9	9823.4	9257.6	9072.7
47.5°	10355.7	10360.2	10645.3	11075.2	11433.9	11458.4	10977.2	10422.6	9841.2	9631.8
50°	10634.2	10647.6	10952.7	11429.4	11919.5	12135.5	11629.9	11037.4	10444.8	10208.7
52.5°	10703.2	10727.7	11095.3	11654.4	12231.3	12643.4	12293.7	11627.7	11017.3	10792.3
55°	10335.7	10384.7	10850.3	11636.6	12422.9	12977.5	12877.3	12226.9	11594.2	11362.6
57.5°	9491.5	9560.5	10104.0	11130.9	12380.6	13207.0	13329.5	12801.6	12171.2	11948.4
60°	8308.7	8391.1	8912.3	10032.8	11783.6	13291.6	13648.0	13360.7	12701.3	12485.3
62.5°	6524.4	6631.3	7255.0	8569.3	10522.8	12897.3	13919.8	13866.3	13178.0	12908.5
65°	4185.5	4299.1	4956.2	6508.8	8841.0	11690.0	14004.4	14358.6	13681.4	13305.0
67.5°	2523.8	2575.0	2900.2	3944.9	6462.0	9870.1	13287.2	14904.3	14269.5	13801.7
70°	1615.0	1643.9	1837.7	2316.6	3653.1	7201.6	11509.6	15006.8	14982.3	14311.8
72.5°	1095.9	1104.9	1156.1	1372.2	2067.1	4092.0	8489.1	13585.7	15427.8	14968.9
75°	801.9	850.9	933.3	971.2	1173.9	2044.9	4864.9	9544.9	13002.0	13202.5
77.5°	597.0	599.2	712.8	757.4	837.5	1089.3	2058.2	5328.2	8072.5	8475.7
80°	505.6	478.9	476.7	610.3	630.4	679.4	920.0	1839.9	2891.3	1753.1
82.5°	421.0	392.0	354.2	476.7	429.9	416.5	398.7	748.4	920.0	452.2
85°	294.0	280.7	267.3	311.9	245.0	209.4	191.6	349.7	387.6	191.6
87.5°	127.0	131.4	133.7	138.1	102.5	73.5	73.5	98.0	98.0	75.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4673.3
4702.3
4815.9
5009.7
5236.9
5461.9
5700.2
5880.7
6027.7
6165.8
6321.7
6484.3
6664.7
6934.3
7255.0
7633.7
8099.3
8593.8
9115.0
9694.2
10280.0
10850.3
11427.2
11999.7
12532.0
12939.7
13351.8
13837.4
14307.4
14897.7
12716.9
7560.2
1325.4
385.4
169.3
55.7
0.0

OF REPORT)