

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: P942393

Luminaire Tested: **GALN-SB6B-850-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32312 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

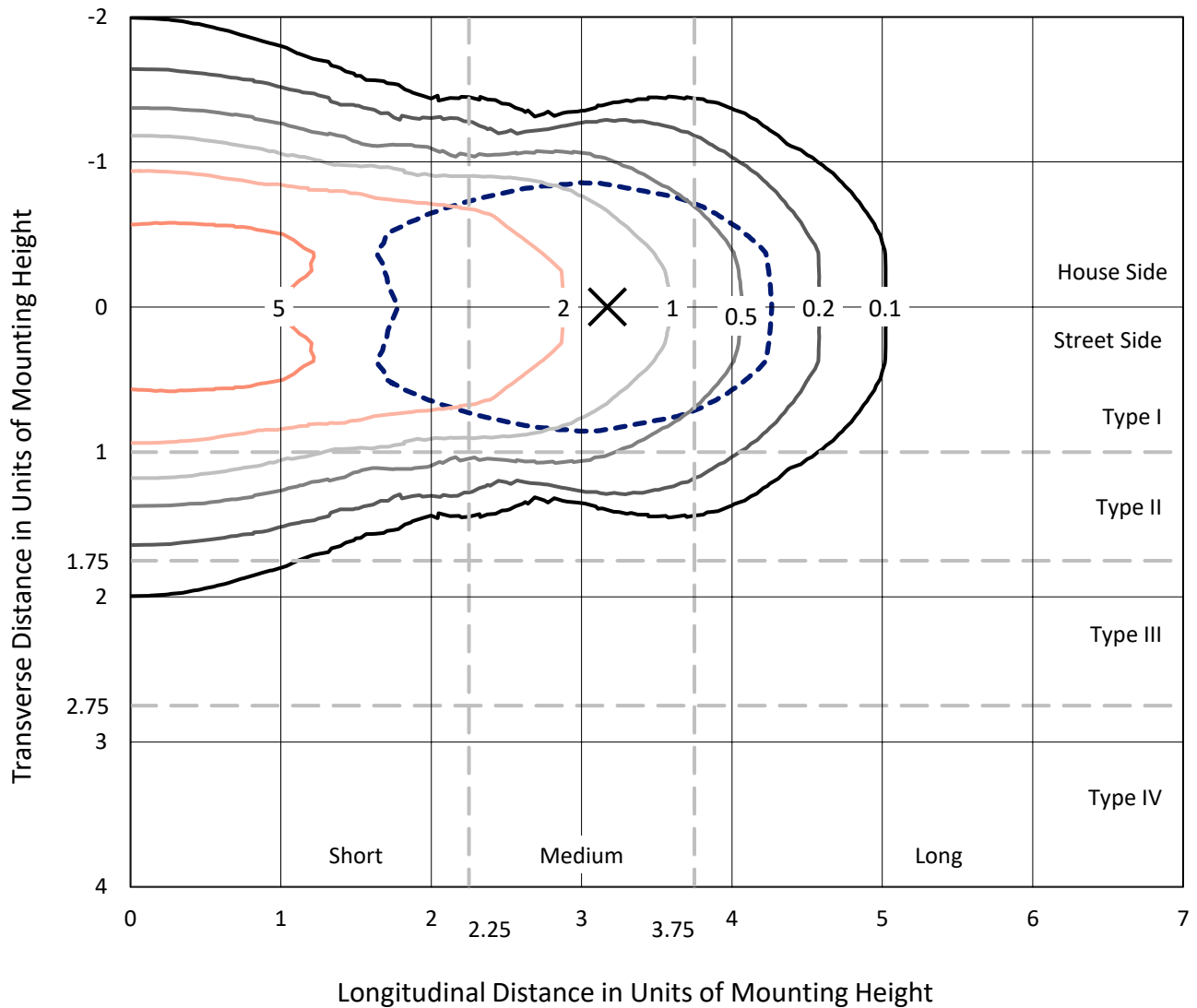
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

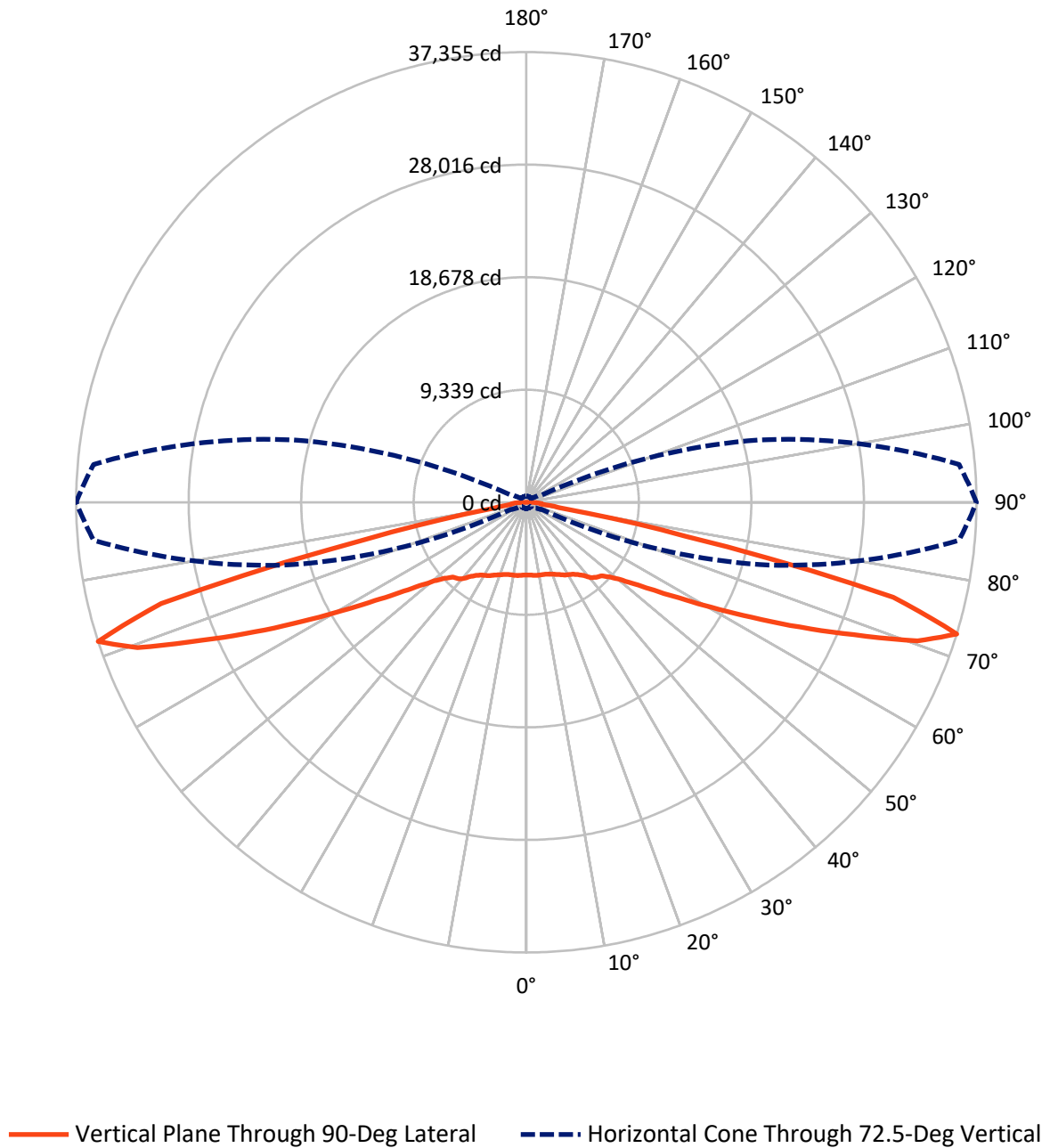
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16156.0	0.0	16156.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16156.0	0.0	16156.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32312.0	0.0	32312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.4	1.8
10°-20°	1790.0	5.5
20°-30°	2984.7	9.2
30°-40°	4104.9	12.7
40°-50°	5013.3	15.5
50°-60°	5798.4	17.9
60°-70°	6913.6	21.4
70°-80°	4825.2	14.9
80°-90°	296.4	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°	32312.0	100.0
0°-180°	32312.0	100.0

Coefficient of Utilization



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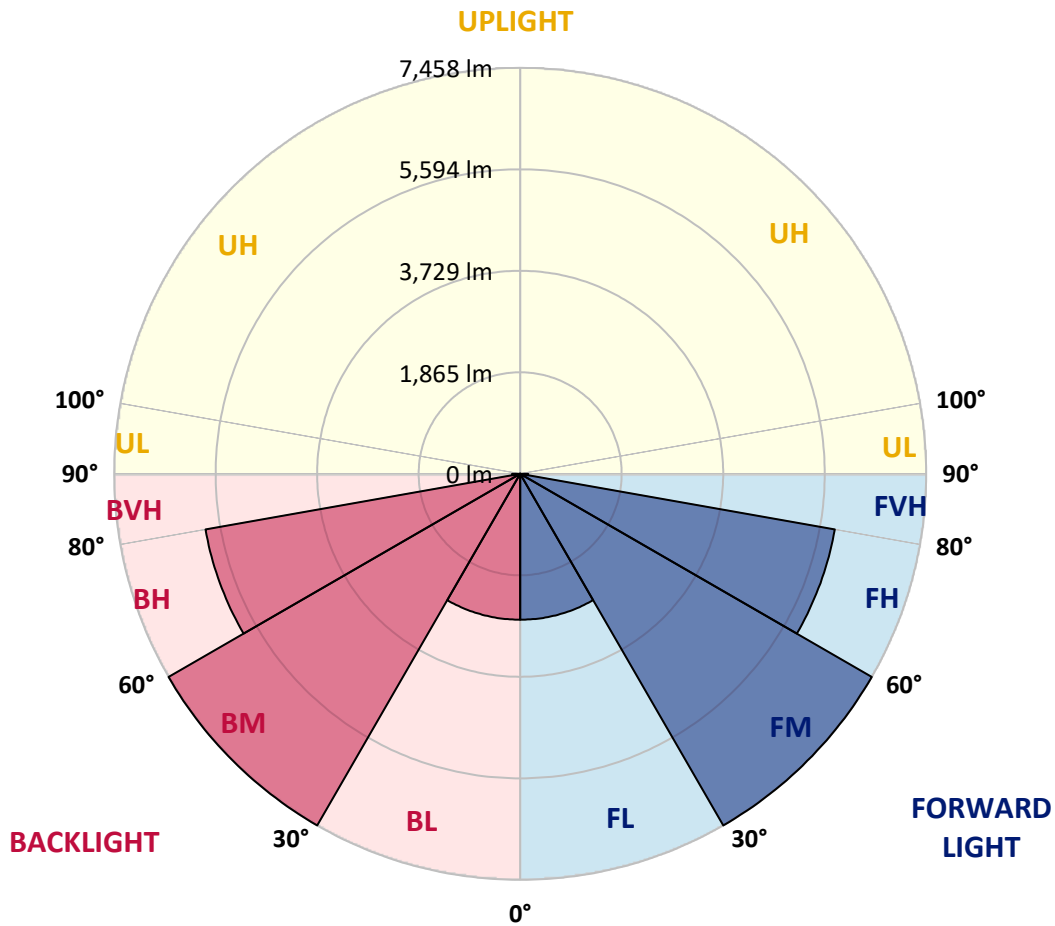
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2680.1	8.3			
FM (30°-60°)	7458.3	23.1			
FH (60°-80°)	5869.4	18.2			G3/7500
FVH (80°-90°)	148.2	0.5			G2/225
BL (0°-30°)	2680.1	8.3	B4/5000		
BM (30°-60°)	7458.3	23.1	B4/8500		
BH (60°-80°)	5869.4	18.2	B5		G5
BVH (80°-90°)	148.2	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6037.8	6037.8	6037.8	6037.8	6037.8	6037.8	6037.8	6037.8	6037.8	6037.8
2.5°	6043.0	6049.9	6049.9	6044.7	6056.7	6046.4	6046.4	6041.3	6046.4	6041.3
5°	6073.9	6082.5	6085.9	6084.2	6099.7	6091.1	6091.1	6084.2	6085.9	6080.8
7.5°	6132.3	6144.3	6151.2	6159.8	6182.1	6171.8	6164.9	6144.3	6135.7	6122.0
10°	6151.2	6164.9	6187.2	6231.9	6283.4	6285.1	6264.5	6213.0	6173.5	6142.6
12.5°	6092.8	6111.7	6158.0	6249.1	6364.1	6410.5	6377.9	6292.0	6214.7	6159.8
15°	6018.9	6039.6	6110.0	6247.3	6417.3	6525.5	6522.1	6408.8	6285.1	6199.3
17.5°	5903.9	5924.5	6025.8	6218.1	6458.6	6637.2	6685.2	6568.5	6395.0	6280.0
20°	5696.1	5715.0	5855.8	6125.4	6472.3	6755.6	6881.0	6778.0	6561.6	6405.3
22.5°	5426.5	5455.7	5620.5	5965.7	6439.7	6879.3	7104.2	7033.8	6755.6	6539.3
25°	5138.0	5168.9	5361.2	5769.9	6355.5	6968.6	7368.7	7324.1	6975.5	6705.8
27.5°	4889.0	4921.6	5131.1	5575.9	6225.0	7002.9	7629.7	7652.0	7241.6	6889.6
30°	4693.2	4724.1	4947.4	5419.6	6056.7	6968.6	7858.1	8012.7	7513.0	7049.3
32.5°	4478.6	4518.1	4753.3	5229.0	5857.5	6886.2	8057.3	8402.5	7827.2	7221.0
35°	4207.3	4243.3	4490.6	4968.0	5596.5	6753.9	8223.9	8835.2	8277.1	7482.0
37.5°	3877.5	3911.9	4157.5	4641.7	5337.2	6568.5	8351.0	9322.9	8812.9	7858.1
40°	3546.1	3578.7	3808.9	4277.7	5026.4	6331.5	8395.6	9800.3	9427.7	8375.0
42.5°	3242.2	3271.4	3482.6	3918.8	4677.8	6029.3	8337.2	10215.9	9978.9	8735.6
45°	2962.3	2988.0	3175.2	3582.2	4315.4	5661.8	8162.1	10662.4	10634.9	8993.2
47.5°	2642.8	2668.6	2862.6	3255.9	3953.1	5230.7	7865.0	11102.0	11546.8	9577.1
50°	2253.0	2275.4	2474.6	2879.8	3577.0	4772.2	7452.8	11447.2	12697.3	10461.5
52.5°	1791.1	1815.1	2009.2	2414.4	3130.5	4279.4	6910.2	11672.1	14026.5	11752.8
55°	1332.6	1349.8	1518.0	1882.1	2577.6	3717.8	6230.2	11735.7	15534.2	13518.2
57.5°	966.8	977.1	1085.3	1356.6	1954.2	3015.5	5404.2	11570.8	17328.7	15781.5
60°	783.1	786.5	819.1	939.3	1358.3	2222.1	4406.5	11004.1	19276.1	18699.1
62.5°	710.9	710.9	719.5	752.2	918.7	1466.5	3199.2	9829.5	21364.3	22386.0
65°	661.1	661.1	664.6	680.0	724.7	934.2	2019.5	7916.5	23124.4	26704.9
67.5°	616.5	618.2	616.5	621.6	647.4	690.3	1171.2	5467.7	24072.4	31180.0
70°	570.1	573.6	565.0	565.0	585.6	587.3	733.3	2998.3	23285.9	34930.5
72.5°	515.2	520.3	506.6	503.2	518.6	511.7	551.2	1439.1	19992.2	36050.2
75°	467.1	474.0	443.0	434.5	434.5	429.3	448.2	738.4	12975.5	29407.8
77.5°	424.2	437.9	388.1	360.6	353.8	338.3	365.8	451.6	5675.5	13806.7
80°	350.3	369.2	319.4	286.8	274.8	257.6	288.5	316.0	1688.1	3206.1
82.5°	261.0	269.6	226.7	204.4	194.0	182.0	216.4	219.8	549.5	1135.1
85°	166.6	170.0	139.1	120.2	115.1	109.9	137.4	120.2	209.5	834.6
87.5°	58.4	67.0	53.2	48.1	51.5	42.9	63.5	36.1	58.4	589.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6037.8
6041.3
6080.8
6122.0
6137.4
6151.2
6185.5
6261.1
6376.1
6499.8
6650.9
6831.2
6965.2
7114.6
7363.6
7700.1
8206.7
8519.3
8701.3
9240.5
10039.0
11232.5
12867.3
14962.4
17667.0
21003.6
24956.7
29292.8
34434.2
37355.3
31454.8
13519.9
3070.4
1282.8
1212.4
729.8
0.0

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