

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: P942293

Luminaire Tested: **GALN-SB6B-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942293
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31333 lumens
Efficiency: N/A
Efficacy: 142.2 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

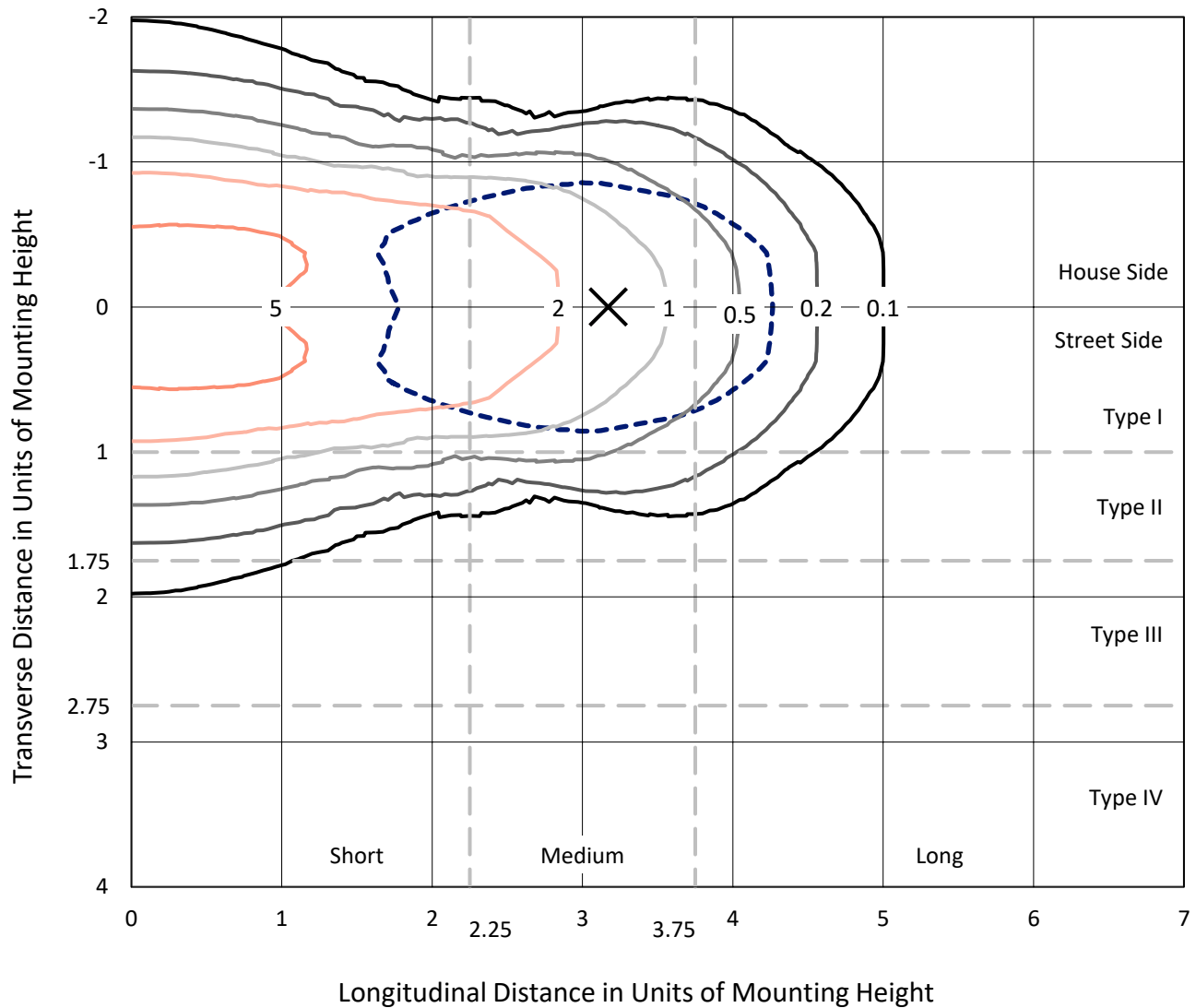


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

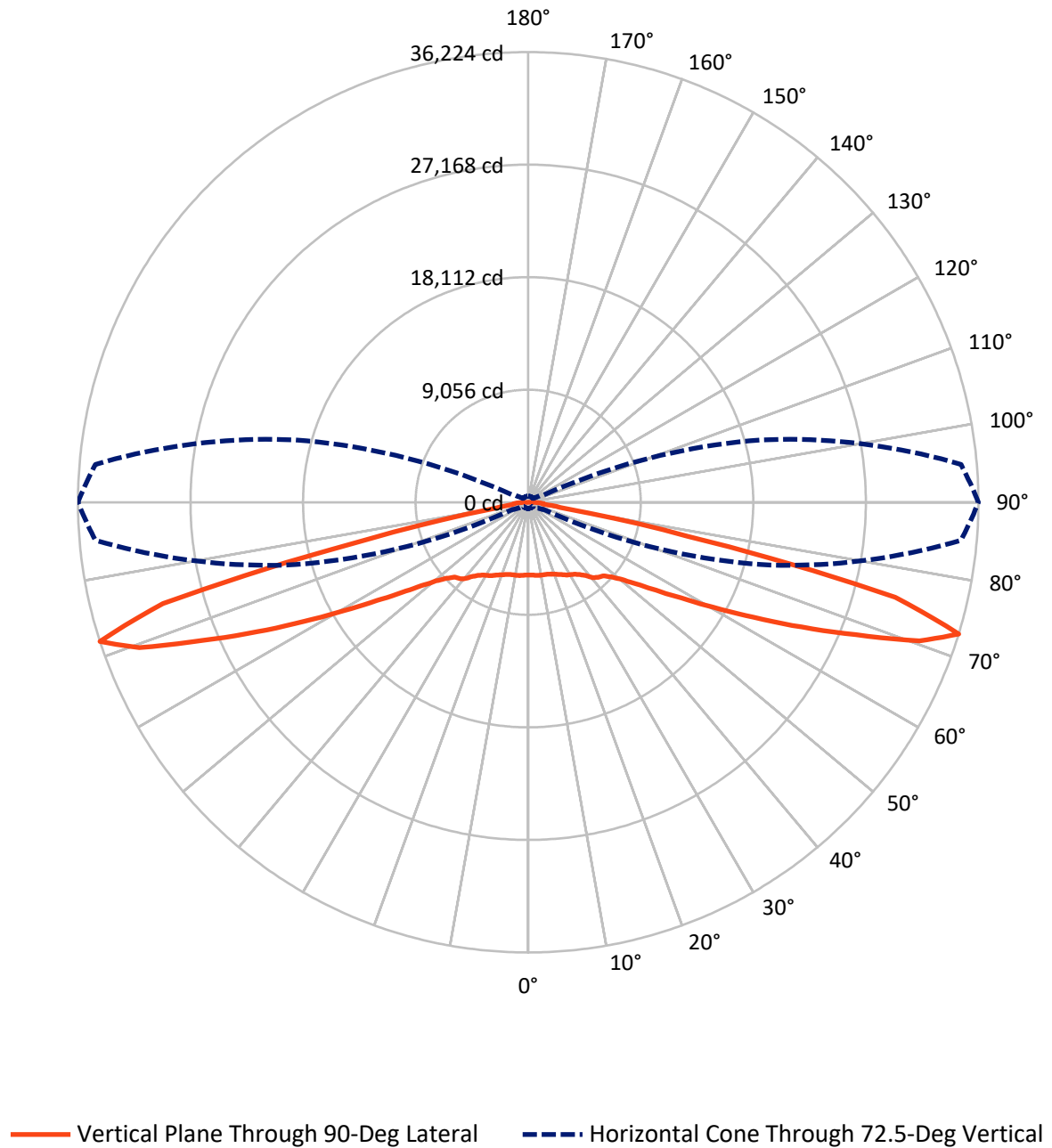


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15666.5	0.0	15666.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15666.5	0.0	15666.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31333.0	0.0	31333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.7	1.8
10°-20°	1735.8	5.5
20°-30°	2894.3	9.2
30°-40°	3980.6	12.7
40°-50°	4861.4	15.5
50°-60°	5622.7	17.9
60°-70°	6704.1	21.4
70°-80°	4679.0	14.9
80°-90°	287.4	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°	31333.0	100.0
0°-180°	31333.0	100.0

Coefficient of Utilization



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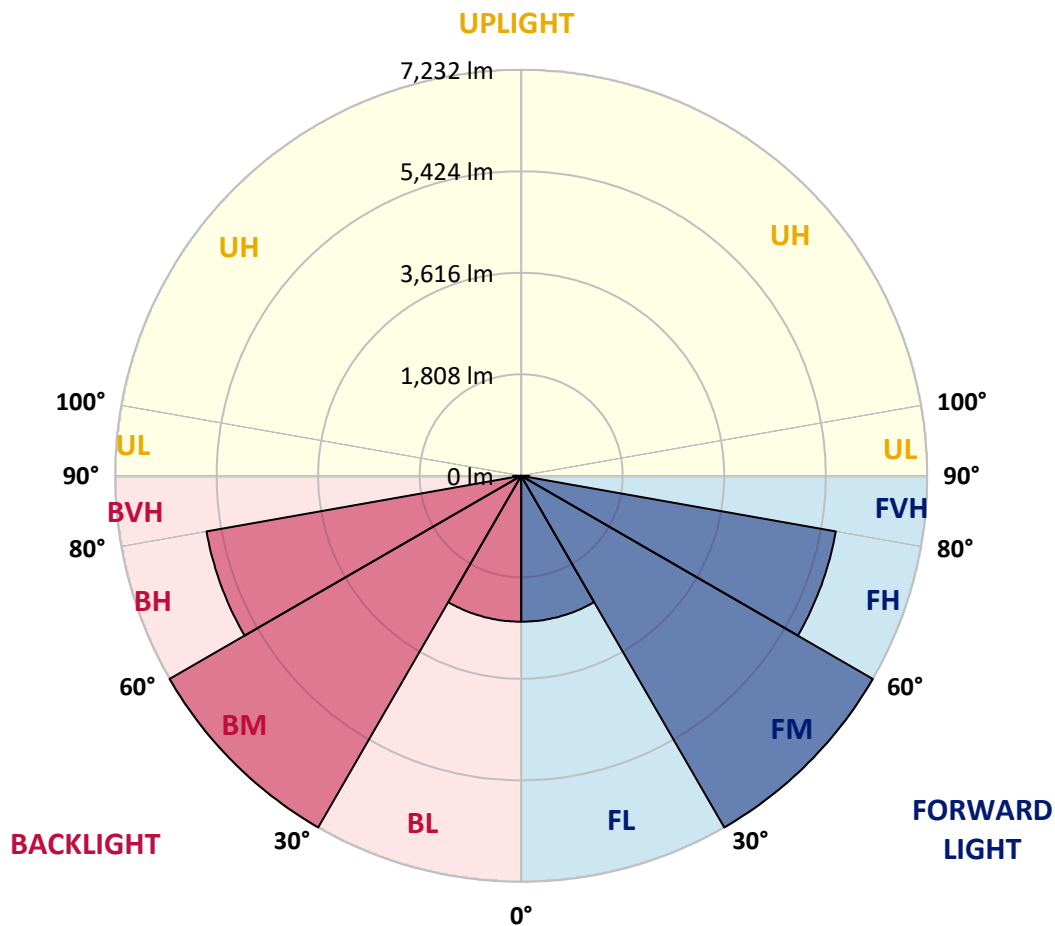
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2598.9	8.3			
FM	(30°-60°)	7232.3	23.1			
FH	(60°-80°)	5691.6	18.2			G3/7500
FVH	(80°-90°)	143.7	0.5			G2/225
BL	(0°-30°)	2598.9	8.3	B4/5000		
BM	(30°-60°)	7232.3	23.1	B4/8500		
BH	(60°-80°)	5691.6	18.2	B5		G5
BVH	(80°-90°)	143.7	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°	90°
0°	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9	5854.9
2.5°	5859.9	5866.6	5866.6	5861.6	5873.2	5863.2	5863.2	5858.2	5863.2	5858.2	5858.2
5°	5889.9	5898.2	5901.5	5899.9	5914.8	5906.5	5906.5	5899.9	5901.5	5896.5	5896.5
7.5°	5946.5	5958.1	5964.8	5973.1	5994.8	5984.8	5978.1	5958.1	5949.8	5936.5	5936.5
10°	5964.8	5978.1	5999.8	6043.1	6093.0	6094.7	6074.7	6024.8	5986.5	5956.5	5951.5
12.5°	5908.2	5926.5	5971.5	6059.7	6171.3	6216.3	6184.6	6101.4	6026.4	5973.1	5964.8
15°	5836.6	5856.6	5924.8	6058.1	6222.9	6327.8	6324.5	6214.6	6094.7	6011.4	5998.1
17.5°	5725.0	5745.0	5843.2	6029.7	6262.9	6436.1	6482.7	6369.5	6201.3	6089.7	6071.4
20°	5523.5	5541.8	5678.4	5939.8	6276.2	6551.0	6672.5	6572.6	6362.8	6211.3	6182.9
22.5°	5262.1	5290.4	5450.3	5785.0	6244.6	6670.9	6889.0	6820.7	6551.0	6341.1	6302.8
25°	4982.3	5012.3	5198.8	5595.1	6163.0	6757.4	7145.4	7102.1	6764.1	6502.7	6449.4
27.5°	4740.9	4772.5	4975.7	5407.0	6036.4	6790.8	7398.6	7420.2	7022.2	6680.8	6624.2
30°	4551.0	4581.0	4797.5	5255.4	5873.2	6757.4	7620.0	7769.9	7285.3	6835.7	6754.1
32.5°	4342.9	4381.2	4609.3	5070.6	5680.1	6677.5	7813.2	8147.9	7590.1	7002.2	6899.0
35°	4079.8	4114.8	4354.5	4817.5	5426.9	6549.3	7974.7	8567.5	8026.3	7255.3	7140.4
37.5°	3760.1	3793.4	4031.5	4501.1	5175.5	6369.5	8097.9	9040.5	8545.9	7620.0	7466.8
40°	3438.7	3470.3	3693.5	4148.1	4874.1	6139.7	8141.2	9503.4	9142.0	8121.3	7958.1
42.5°	3143.9	3172.2	3377.1	3800.0	4536.1	5846.6	8084.6	9906.4	9676.6	8471.0	8261.1
45°	2872.5	2897.5	3079.0	3473.6	4184.7	5490.2	7914.8	10339.3	10312.7	8720.7	8437.7
47.5°	2562.8	2587.7	2775.9	3157.3	3833.3	5072.2	7626.7	10765.6	11196.9	9286.9	8960.5
50°	2184.8	2206.4	2399.6	2792.6	3468.6	4627.6	7227.0	11100.3	12312.6	10144.5	9734.9
52.5°	1736.8	1760.1	1948.3	2341.3	3035.7	4149.7	6700.8	11318.5	13601.5	11396.7	10892.2
55°	1292.2	1308.9	1472.1	1825.1	2499.5	3605.2	6041.4	11380.1	15063.5	13108.6	12477.5
57.5°	937.5	947.5	1052.4	1315.5	1895.0	2924.1	5240.4	11220.2	16803.7	15303.3	14509.0
60°	759.3	762.7	794.3	910.9	1317.2	2154.8	4272.9	10670.7	18692.1	18132.5	17131.7
62.5°	689.4	689.4	697.7	729.4	890.9	1422.1	3102.3	9531.7	20717.0	21707.8	20367.3
65°	641.1	641.1	644.4	659.4	702.7	905.9	1958.3	7676.6	22423.8	25895.8	24200.6
67.5°	597.8	599.5	597.8	602.8	627.8	669.4	1135.7	5302.0	23343.0	30235.3	28405.3
70°	552.9	556.2	547.9	547.9	567.8	569.5	711.0	2907.5	22580.3	33872.2	33390.9
72.5°	499.6	504.6	491.2	487.9	502.9	496.2	534.5	1395.5	19386.5	34957.9	36223.5
75°	452.9	459.6	429.6	421.3	421.3	416.3	434.6	716.0	12582.4	28516.8	30501.8
77.5°	411.3	424.6	376.3	349.7	343.0	328.0	354.7	438.0	5503.5	13388.3	13110.3
80°	339.7	358.0	309.7	278.1	266.4	249.8	279.8	306.4	1636.9	3109.0	2977.4
82.5°	253.1	261.4	219.8	198.2	188.2	176.5	209.8	213.1	532.9	1100.7	1243.9
85°	161.5	164.9	134.9	116.6	111.6	106.6	133.2	116.6	203.2	809.3	1175.6
87.5°	56.6	64.9	51.6	46.6	50.0	41.6	61.6	35.0	56.6	571.2	707.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)