

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: P941103

Luminaire Tested: **GALN-SB4C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941103
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-SB4C-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27541 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 200.7
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

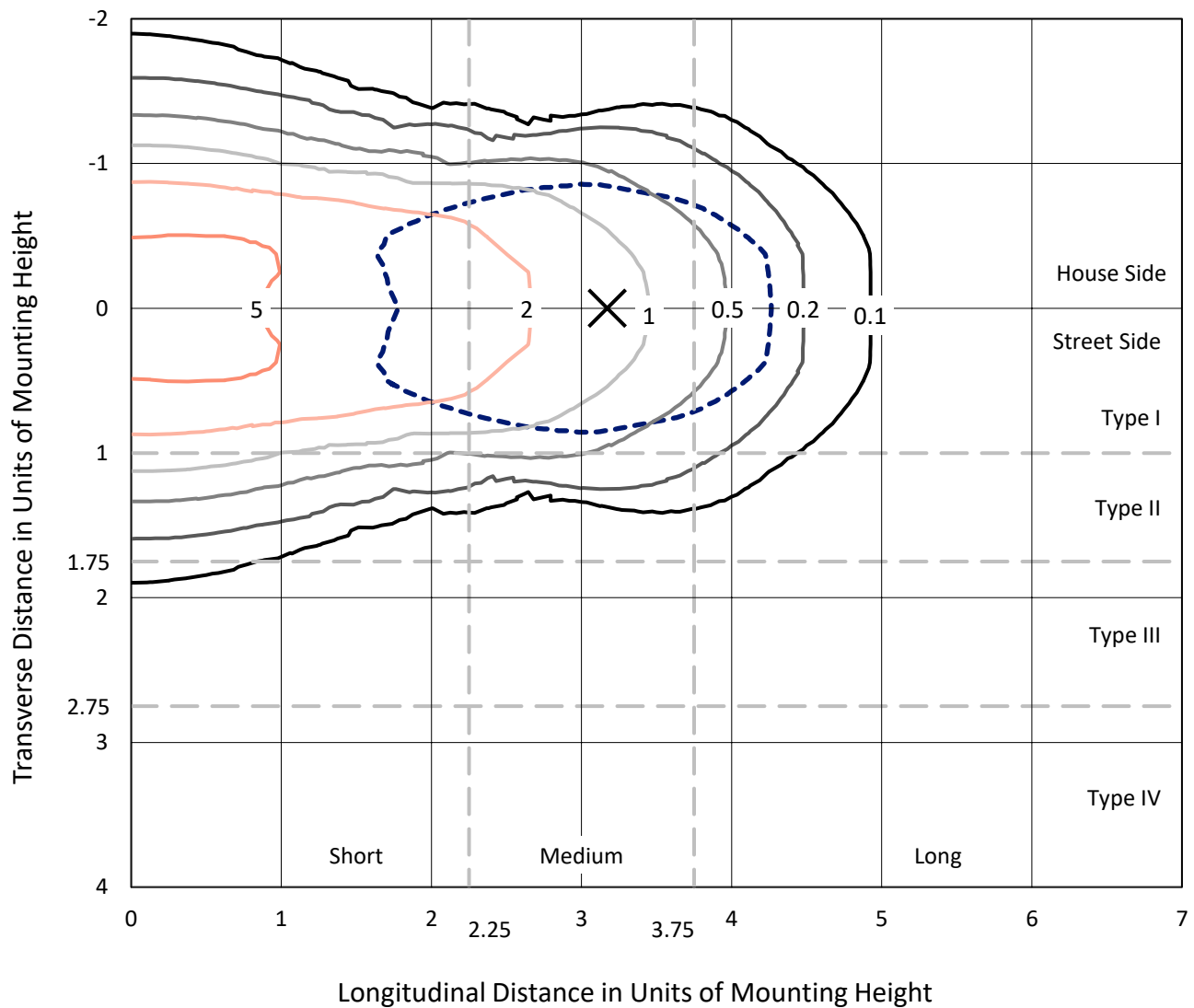


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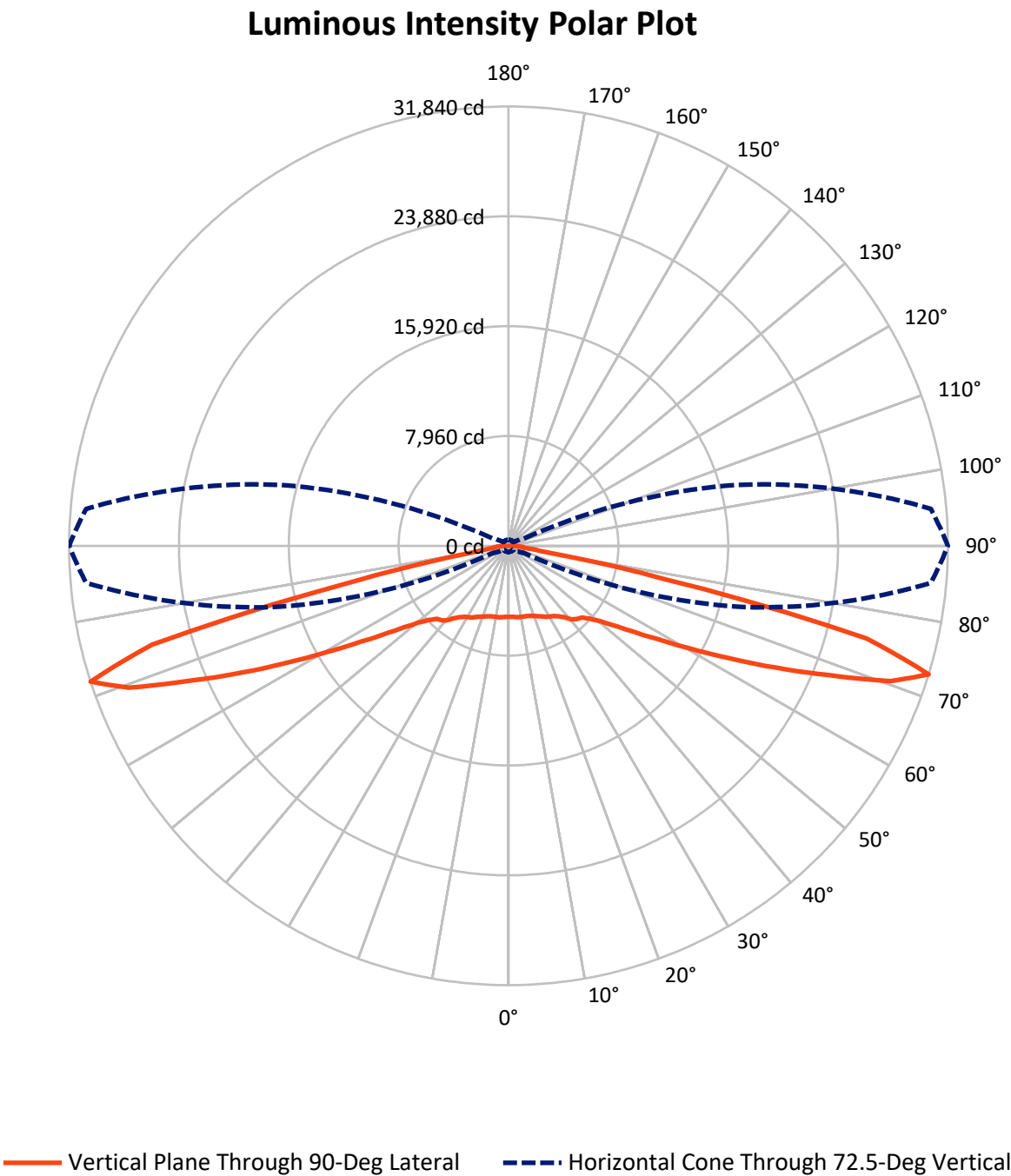
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



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

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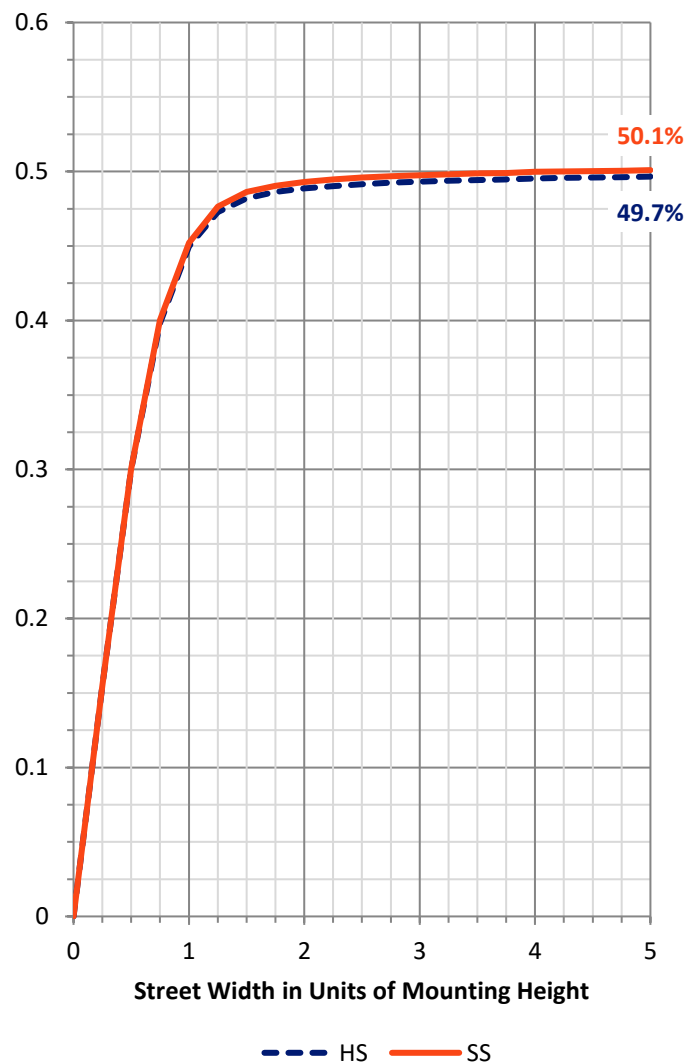
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13770.5	0.0	13770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13770.5	0.0	13770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27541.0	0.0	27541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.0	1.8
10°-20°	1525.7	5.5
20°-30°	2544.0	9.2
30°-40°	3498.8	12.7
40°-50°	4273.0	15.5
50°-60°	4942.2	17.9
60°-70°	5892.8	21.4
70°-80°	4112.8	14.9
80°-90°	252.6	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°	27541.0	100.0
0°-180°	27541.0	100.0

Coefficient of Utilization



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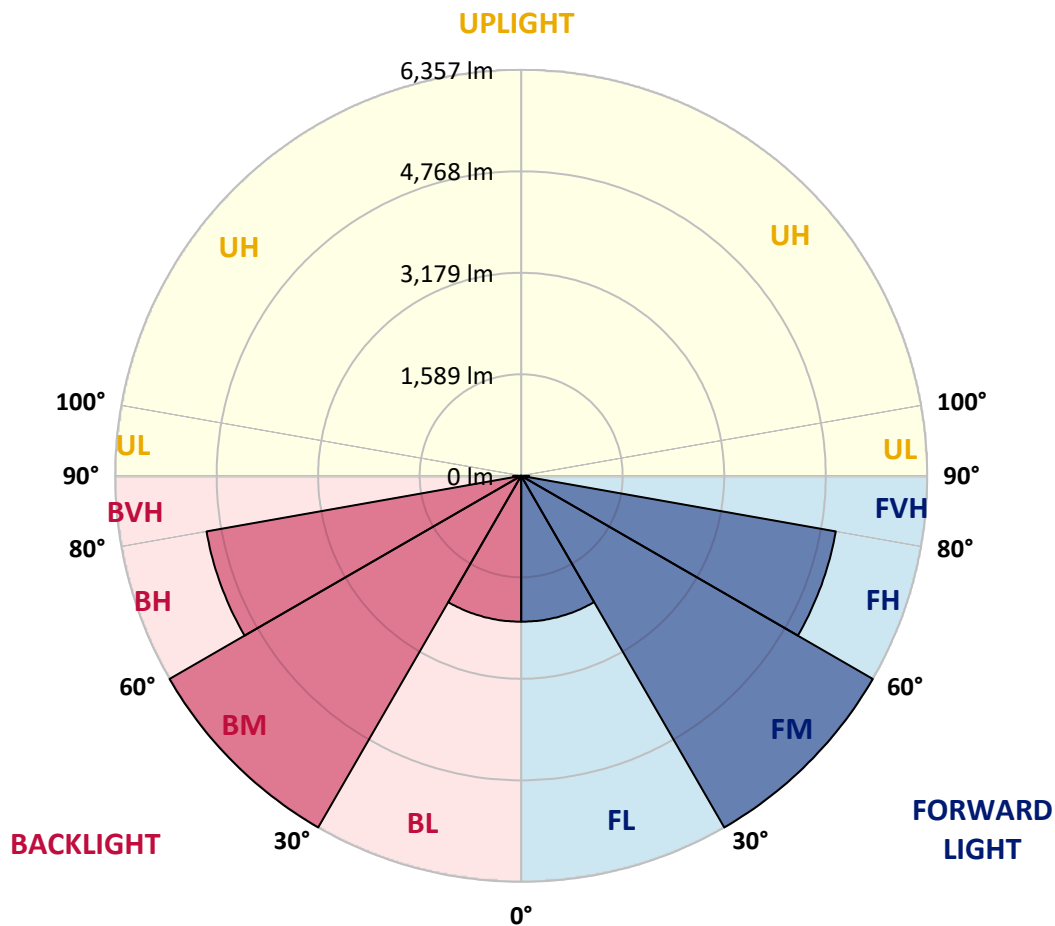
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2284.4	8.3			
FM	(30°-60°)	6357.0	23.1			
FH	(60°-80°)	5002.8	18.2			G3/7500
FVH	(80°-90°)	126.3	0.5			G2/225
BL	(0°-30°)	2284.4	8.3	B3/2500		
BM	(30°-60°)	6357.0	23.1	B4/8500		
BH	(60°-80°)	5002.8	18.2	B5		G5
BVH	(80°-90°)	126.3	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°	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3	5146.3
2.5°	5150.7	5156.6	5156.6	5152.2	5162.4	5153.6	5153.6	5149.3	5153.6	5149.3	5149.3
5°	5177.1	5184.4	5187.3	5185.8	5199.0	5191.7	5191.7	5185.8	5187.3	5182.9	5182.9
7.5°	5226.8	5237.1	5242.9	5250.2	5269.3	5260.5	5254.6	5237.1	5229.8	5218.0	5218.0
10°	5242.9	5254.6	5273.7	5311.7	5355.6	5357.1	5339.5	5295.6	5262.0	5235.6	5231.2
12.5°	5193.2	5209.3	5248.8	5326.4	5424.4	5463.9	5436.1	5363.0	5297.1	5250.2	5242.9
15°	5130.2	5147.8	5207.8	5324.9	5469.8	5562.0	5559.1	5462.5	5357.1	5283.9	5272.2
17.5°	5032.2	5049.7	5136.1	5300.0	5504.9	5657.2	5698.1	5598.6	5450.8	5352.7	5336.6
20°	4855.1	4871.2	4991.2	5221.0	5516.6	5758.1	5865.0	5777.2	5592.8	5459.6	5434.7
22.5°	4625.3	4650.1	4790.7	5084.9	5488.8	5863.5	6055.3	5995.3	5758.1	5573.7	5540.1
25°	4379.4	4405.7	4569.6	4918.0	5417.1	5939.6	6280.7	6242.6	5945.5	5715.7	5668.9
27.5°	4167.1	4194.9	4373.5	4752.6	5305.9	5968.9	6503.2	6522.2	6172.4	5872.3	5822.6
30°	4000.3	4026.6	4216.9	4619.4	5162.4	5939.6	6697.8	6829.6	6403.6	6008.4	5936.7
32.5°	3817.3	3851.0	4051.5	4456.9	4992.6	5869.4	6867.6	7161.8	6671.5	6154.8	6064.1
35°	3586.0	3616.8	3827.5	4234.4	4770.2	5756.7	7009.6	7530.7	7055.0	6377.3	6276.3
37.5°	3305.0	3334.3	3543.6	3956.3	4549.1	5598.6	7117.9	7946.4	7511.6	6697.8	6563.2
40°	3022.5	3050.3	3246.5	3646.0	4284.2	5396.6	7156.0	8353.3	8035.6	7138.4	6995.0
42.5°	2763.4	2788.3	2968.4	3340.1	3987.1	5139.0	7106.2	8707.5	8505.5	7445.8	7261.4
45°	2524.9	2546.8	2706.4	3053.3	3678.2	4825.8	6956.9	9088.0	9064.6	7665.3	7416.5
47.5°	2252.6	2274.6	2440.0	2775.2	3369.4	4458.4	6703.7	9462.7	9841.8	8163.0	7876.1
50°	1920.4	1939.4	2109.2	2454.6	3048.9	4067.6	6352.4	9756.9	10822.5	8916.8	8556.7
52.5°	1526.6	1547.1	1712.5	2057.9	2668.3	3647.5	5889.9	9948.7	11955.4	10017.5	9574.0
55°	1135.8	1150.5	1293.9	1604.2	2197.0	3168.9	5310.3	10002.8	13240.5	11522.2	10967.4
57.5°	824.1	832.8	925.1	1156.3	1665.7	2570.2	4606.2	9862.3	14770.1	13451.3	12753.1
60°	667.4	670.4	698.2	800.6	1157.8	1894.0	3755.8	9379.3	16429.9	15938.1	15058.4
62.5°	606.0	606.0	613.3	641.1	783.1	1250.0	2726.9	8378.1	18209.7	19080.6	17902.4
65°	563.5	563.5	566.4	579.6	617.7	796.2	1721.3	6747.6	19710.0	22761.8	21271.8
67.5°	525.5	526.9	525.5	529.9	551.8	588.4	998.2	4660.4	20518.0	26576.2	24967.6
70°	485.9	488.9	481.6	481.6	499.1	500.6	625.0	2555.6	19847.6	29772.9	29349.9
72.5°	439.1	443.5	431.8	428.9	442.0	436.2	469.8	1226.6	17040.3	30727.2	31839.6
75°	398.1	404.0	377.6	370.3	370.3	365.9	382.0	629.4	11059.6	25065.7	26810.4
77.5°	361.5	373.2	330.8	307.4	301.5	288.3	311.8	384.9	4837.5	11768.1	11523.6
80°	298.6	314.7	272.2	244.4	234.2	219.6	245.9	269.3	1438.8	2732.7	2617.1
82.5°	222.5	229.8	193.2	174.2	165.4	155.2	184.4	187.4	468.4	967.5	1093.4
85°	142.0	144.9	118.6	102.5	98.1	93.7	117.1	102.5	178.6	711.4	1033.4
87.5°	49.8	57.1	45.4	41.0	43.9	36.6	54.2	30.7	49.8	502.0	622.1
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)