

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: P942630

Luminaire Tested: **GALN-SB6D-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57895 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1
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

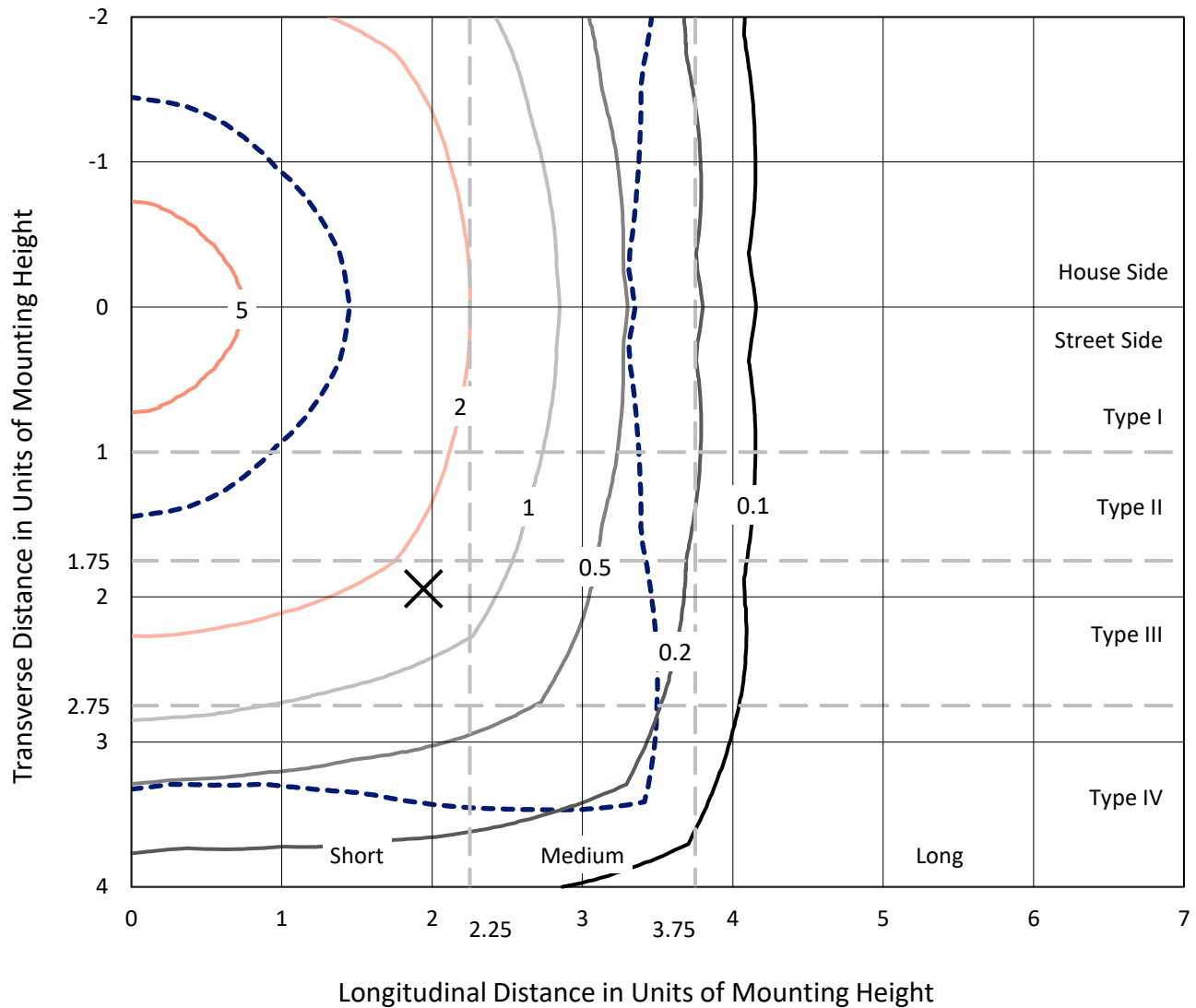


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

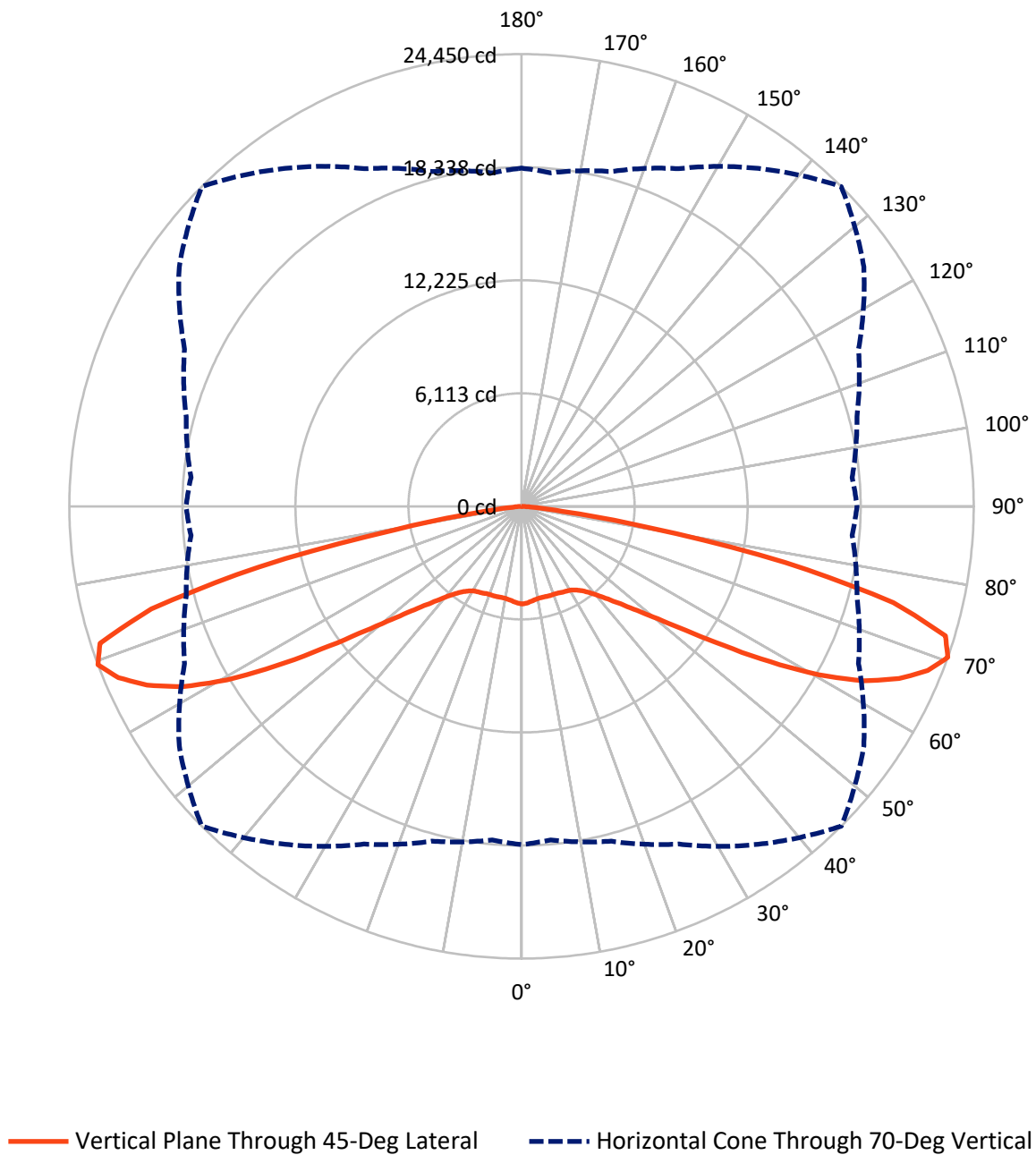


Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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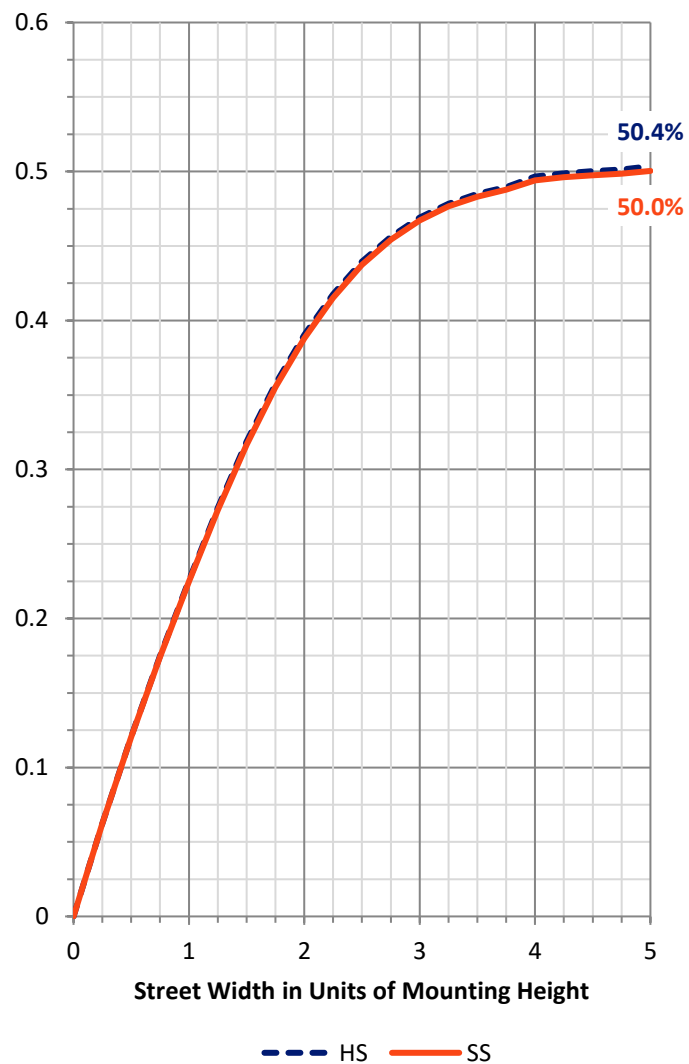
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28947.5	0.0	28947.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28947.5	0.0	28947.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57895.0	0.0	57895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.3	0.8
10°-20°	1442.5	2.5
20°-30°	2400.5	4.1
30°-40°	3630.3	6.3
40°-50°	6032.8	10.4
50°-60°	11383.6	19.7
60°-70°	19221.7	33.2
70°-80°	12630.6	21.8
80°-90°	661.7	1.1
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°	57895.0	100.0
0°-180°	57895.0	100.0

Coefficient of Utilization



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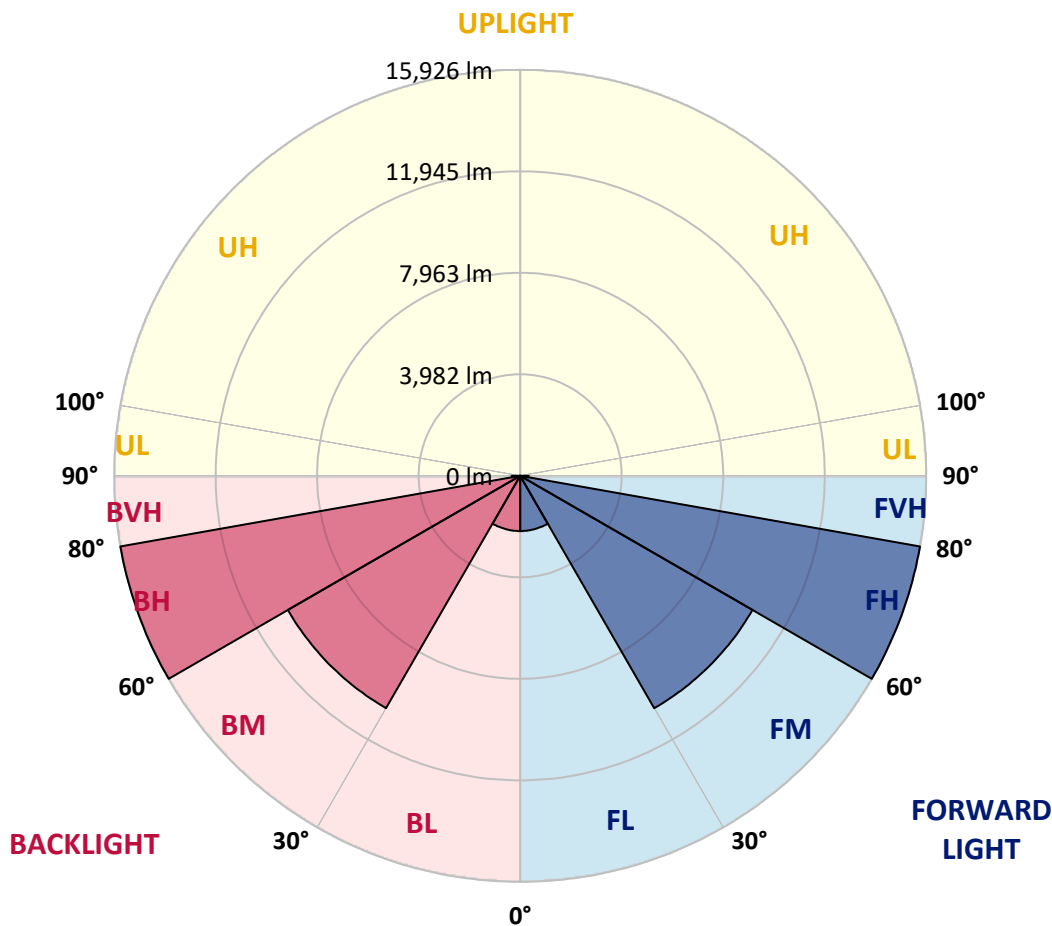
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2167.2	3.7			
FM	(30°-60°)	10523.3	18.2			
FH	(60°-80°)	15926.1	27.5			G5
FVH	(80°-90°)	330.9	0.6			G3/500
BL	(0°-30°)	2167.2	3.7	B3/2500		
BM	(30°-60°)	10523.3	18.2	B5		
BH	(60°-80°)	15926.1	27.5	B5		G5
BVH	(80°-90°)	330.9	0.6			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2	5281.2
2.5°	5248.1	5263.1	5257.1	5245.1	5245.1	5236.1	5245.1	5251.1	5260.1	5266.1	5263.1
5°	5178.9	5190.9	5187.9	5178.9	5181.9	5172.9	5178.9	5187.9	5193.9	5196.9	5196.9
7.5°	5118.7	5130.7	5124.7	5109.7	5109.7	5100.6	5103.6	5112.7	5121.7	5124.7	5124.7
10°	5103.6	5115.7	5097.6	5073.6	5064.5	5052.5	5055.5	5064.5	5082.6	5091.6	5091.6
12.5°	5109.7	5118.7	5100.6	5064.5	5055.5	5043.5	5043.5	5052.5	5076.6	5088.6	5091.6
15°	5127.7	5136.7	5109.7	5070.5	5061.5	5052.5	5049.5	5061.5	5088.6	5109.7	5112.7
17.5°	5160.8	5169.8	5127.7	5073.6	5061.5	5064.5	5061.5	5070.5	5112.7	5151.8	5151.8
20°	5190.9	5196.9	5139.8	5073.6	5061.5	5064.5	5061.5	5079.6	5133.7	5187.9	5190.9
22.5°	5199.9	5206.0	5151.8	5094.6	5085.6	5088.6	5085.6	5103.6	5154.8	5209.0	5209.0
25°	5202.9	5212.0	5169.8	5124.7	5139.8	5145.8	5139.8	5142.8	5181.9	5230.0	5227.0
27.5°	5248.1	5260.1	5221.0	5181.9	5190.9	5187.9	5196.9	5206.0	5236.1	5284.2	5272.2
30°	5341.4	5350.4	5317.3	5278.2	5272.2	5251.1	5278.2	5308.3	5341.4	5383.5	5374.5
32.5°	5494.8	5512.9	5470.8	5428.6	5401.6	5389.5	5410.6	5461.7	5506.9	5552.0	5534.0
35°	5750.6	5762.7	5723.5	5645.3	5597.2	5597.2	5615.2	5681.4	5753.6	5810.8	5789.7
37.5°	6111.7	6126.8	6057.6	5964.3	5892.1	5892.1	5916.1	5985.3	6093.7	6174.9	6144.8
40°	6551.1	6572.1	6484.9	6388.6	6319.4	6307.3	6337.4	6415.7	6518.0	6620.3	6587.2
42.5°	7080.7	7104.8	6990.4	6906.2	6852.0	6852.0	6867.1	6939.3	7032.6	7158.9	7149.9
45°	7757.8	7799.9	7643.4	7559.2	7508.0	7520.1	7529.1	7592.3	7676.5	7821.0	7815.0
47.5°	8564.3	8606.4	8440.9	8353.6	8344.6	8401.8	8365.6	8410.8	8455.9	8621.4	8573.3
50°	9479.1	9551.3	9436.9	9430.9	9449.0	9554.3	9470.0	9494.1	9442.9	9548.3	9485.1
52.5°	10598.5	10703.8	10682.7	10718.9	10920.5	11137.1	10944.6	10860.3	10667.7	10700.8	10589.5
55°	11955.7	12115.1	12145.2	12361.9	12819.3	13261.7	12852.4	12512.4	12103.1	12027.9	11910.5
57.5°	13499.4	13625.8	13770.2	14212.6	15067.2	15852.6	15067.2	14314.9	13670.9	13517.4	13409.1
60°	15160.5	15317.0	15455.4	16108.4	17378.3	18482.7	17354.2	16159.5	15307.9	15100.3	14919.7
62.5°	16944.9	17146.6	17242.9	17968.1	19448.6	20766.7	19469.7	18022.2	17077.4	16854.7	16674.1
65°	18657.2	18822.7	18931.0	19704.4	21118.7	22439.8	21215.0	19788.7	18816.7	18524.8	18380.3
67.5°	19454.6	19544.9	19809.7	20685.4	22178.0	23685.6	22430.8	20778.7	19692.4	19180.8	19186.8
70°	18287.1	18103.5	18741.5	20143.8	22304.4	24450.0	22593.3	20101.6	18771.5	17941.0	18139.6
72.5°	14131.3	13815.4	14922.7	17321.1	20859.9	23962.5	21004.4	17456.5	15611.9	13926.7	14345.0
75°	7688.6	7330.5	8859.2	11892.5	16635.0	20769.7	17017.2	12232.5	9864.2	7631.4	8127.9
77.5°	2169.7	2034.2	3268.0	5753.6	10005.7	14582.7	10390.9	5880.0	3875.9	2299.0	2554.8
80°	665.0	644.0	872.7	1733.3	4249.0	6984.4	4083.5	1754.4	1110.4	701.1	740.3
82.5°	394.2	361.1	433.3	631.9	1083.3	2193.7	1053.2	659.0	529.6	355.1	385.2
85°	225.7	210.6	255.8	306.9	364.1	466.4	303.9	313.0	282.9	189.6	198.6
87.5°	93.3	84.3	99.3	96.3	84.3	108.3	81.2	96.3	114.4	75.2	69.2
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)