

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: P952348

Luminaire Tested: **GALN-SB6B-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33169 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

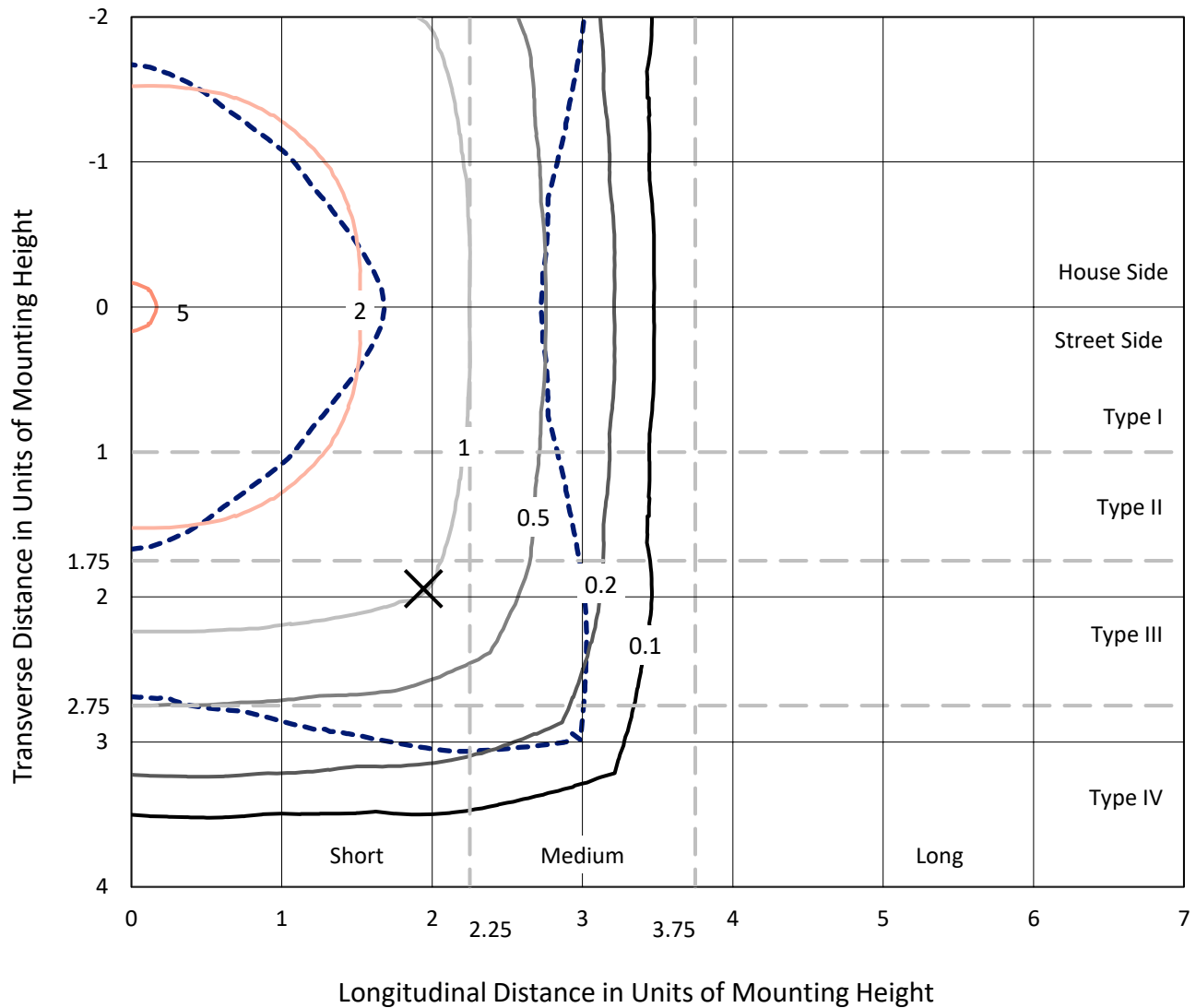


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

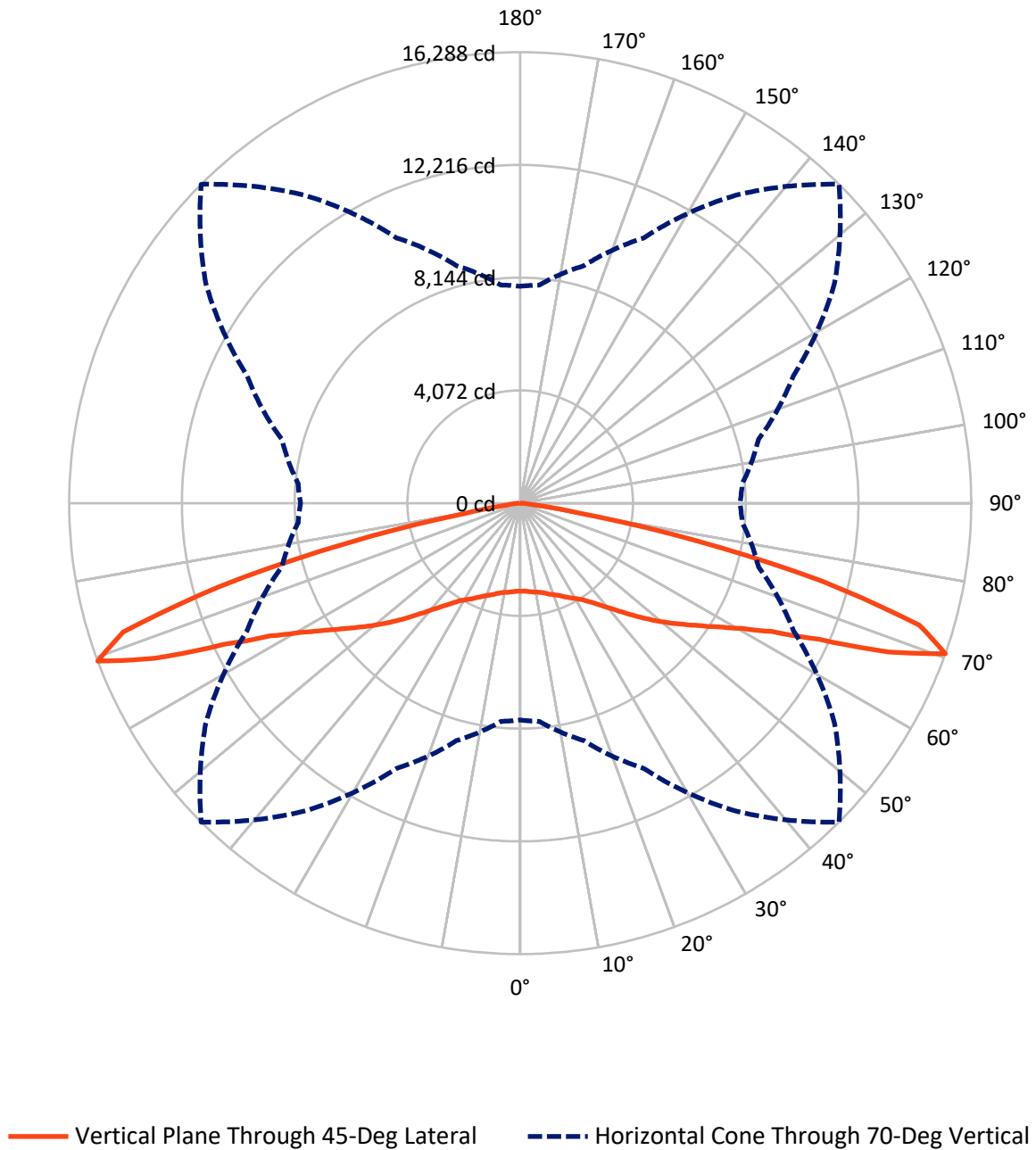


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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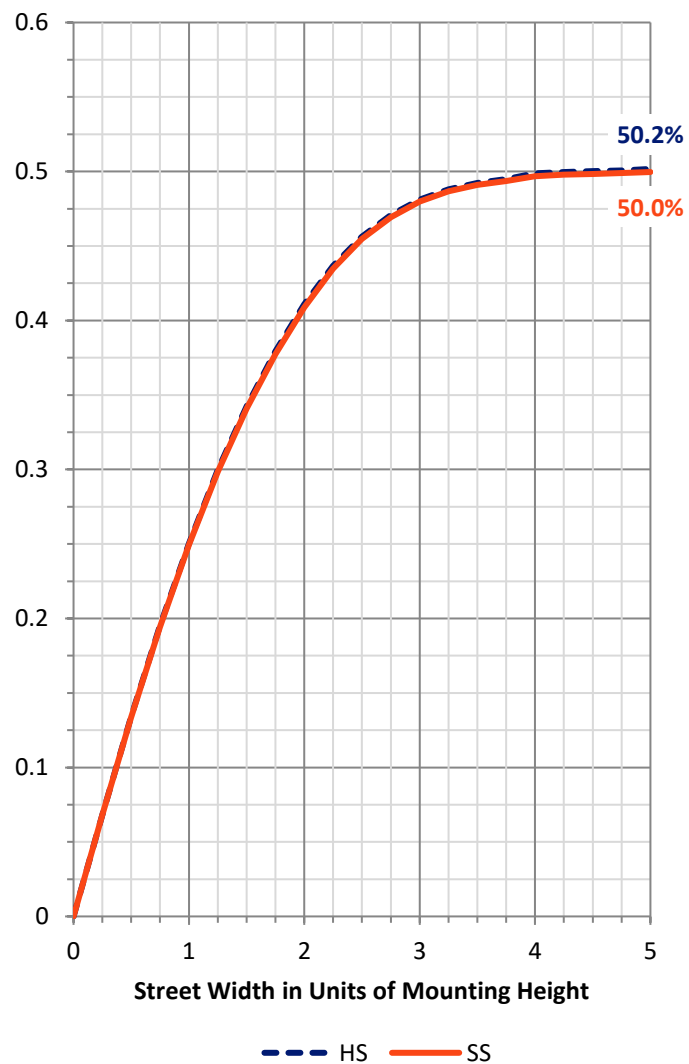
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16584.5	0.0	16584.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16584.5	0.0	16584.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33169.0	0.0	33169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	0.9
10°-20°	957.2	2.9
20°-30°	1710.5	5.2
30°-40°	2772.8	8.4
40°-50°	4516.4	13.6
50°-60°	6885.9	20.8
60°-70°	10244.1	30.9
70°-80°	5583.4	16.8
80°-90°	190.1	0.6
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°	33169.0	100.0
0°-180°	33169.0	100.0

Coefficient of Utilization



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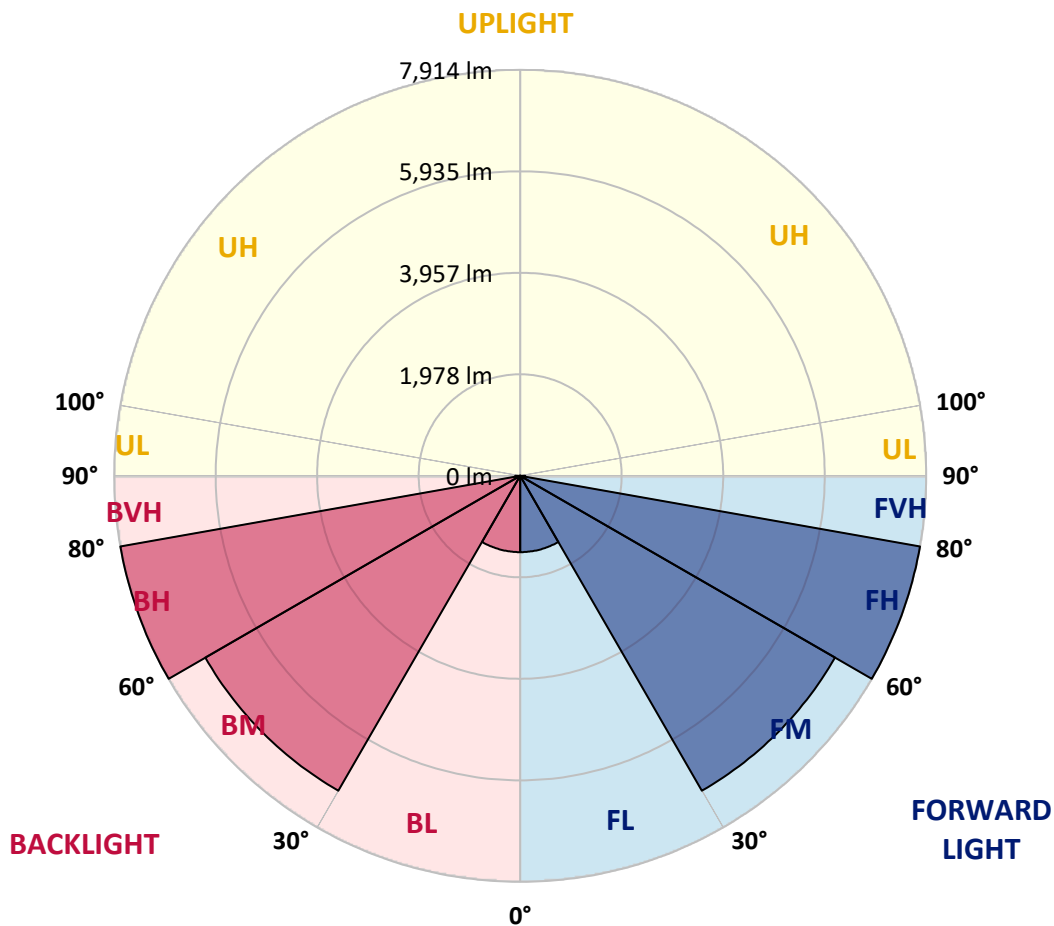
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1488.2	4.5			
FM	(30°-60°)	7087.5	21.4			
FH	(60°-80°)	7913.7	23.9			G4/12000
FVH	(80°-90°)	95.1	0.3			G1/100
BL	(0°-30°)	1488.2	4.5	B3/2500		
BM	(30°-60°)	7087.5	21.4	B4/8500		
BH	(60°-80°)	7913.7	23.9	B5		G4/12000
BVH	(80°-90°)	95.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2	3177.2
2.5°	3192.2	3195.6	3188.9	3185.6	3182.2	3177.2	3178.9	3187.2	3193.9	3192.2	3193.9
5°	3218.9	3222.2	3217.2	3215.5	3208.9	3207.2	3207.2	3215.5	3220.5	3217.2	3218.9
7.5°	3248.9	3253.8	3245.5	3243.9	3240.5	3237.2	3235.5	3243.9	3248.9	3248.9	3248.9
10°	3277.2	3282.2	3275.5	3270.5	3267.2	3267.2	3263.8	3270.5	3278.8	3277.2	3277.2
12.5°	3307.1	3310.5	3303.8	3300.5	3300.5	3305.5	3300.5	3303.8	3310.5	3307.1	3305.5
15°	3343.8	3345.4	3343.8	3348.8	3357.1	3373.7	3358.8	3355.4	3358.8	3350.4	3350.4
17.5°	3393.7	3397.1	3403.7	3415.4	3427.0	3457.0	3430.4	3422.0	3422.0	3405.4	3405.4
20°	3455.3	3460.3	3470.3	3490.3	3505.3	3533.6	3507.0	3495.3	3490.3	3468.7	3468.7
22.5°	3520.3	3528.6	3543.6	3570.2	3596.9	3623.5	3596.9	3576.9	3561.9	3533.6	3531.9
25°	3595.2	3605.2	3628.5	3671.8	3708.5	3746.8	3715.1	3675.1	3645.2	3605.2	3603.5
27.5°	3701.8	3713.4	3741.8	3795.0	3841.7	3875.0	3845.0	3793.4	3751.7	3703.5	3701.8
30°	3851.7	3863.3	3896.6	3953.2	3984.9	4006.5	3986.5	3946.6	3896.6	3841.7	3841.7
32.5°	4044.8	4059.8	4096.5	4149.7	4156.4	4159.7	4153.1	4133.1	4096.5	4029.8	4031.5
35°	4289.6	4306.3	4347.9	4391.2	4384.5	4391.2	4381.2	4374.5	4347.9	4271.3	4271.3
37.5°	4589.4	4609.3	4652.6	4685.9	4669.3	4661.0	4662.6	4664.3	4649.3	4564.4	4564.4
40°	4937.4	4964.0	4995.7	5030.6	5002.3	4977.4	4994.0	5007.3	4994.0	4907.4	4907.4
42.5°	5295.4	5333.7	5367.0	5417.0	5393.7	5362.0	5385.3	5400.3	5372.0	5278.8	5285.4
45°	5693.4	5730.0	5773.3	5848.3	5831.6	5798.3	5831.6	5834.9	5786.7	5676.7	5688.4
47.5°	6104.7	6143.0	6208.0	6307.9	6301.2	6264.6	6307.9	6284.6	6222.9	6091.4	6083.1
50°	6494.4	6547.7	6647.6	6787.5	6800.8	6755.8	6814.1	6769.1	6665.9	6501.0	6497.7
52.5°	6860.7	6917.3	7075.5	7265.4	7313.7	7255.4	7333.6	7255.4	7100.5	6889.0	6869.0
55°	7245.4	7308.7	7496.8	7745.0	7841.5	7798.2	7871.5	7753.3	7533.5	7277.0	7242.1
57.5°	7698.3	7736.6	7961.4	8256.2	8419.4	8429.4	8462.7	8262.8	7996.4	7705.0	7665.0
60°	8189.6	8242.9	8487.6	8840.7	9098.8	9182.0	9147.1	8850.7	8540.9	8206.2	8152.9
62.5°	8819.0	8877.3	9170.4	9593.4	10001.3	10207.8	10071.3	9641.6	9258.6	8857.3	8787.4
65°	9340.2	9405.2	9934.7	10689.1	11431.8	11846.4	11503.4	10712.4	10023.0	9456.8	9363.6
67.5°	8962.2	9042.2	9873.1	11258.6	13105.3	14342.6	13168.6	11428.4	10077.9	9310.3	9195.4
70°	7833.2	7908.1	8877.3	10570.8	13576.6	16287.6	13859.7	10882.2	8908.9	8049.7	7934.8
72.5°	5200.5	5442.0	6422.8	8454.3	12122.8	15071.9	12242.7	8282.8	5958.2	5188.8	5020.6
75°	1725.2	1918.3	2587.8	4382.9	8119.6	11271.9	7730.0	3878.3	2049.9	1475.4	1395.5
77.5°	434.6	501.2	691.1	1253.9	3238.9	6417.8	2915.8	1024.1	557.8	389.7	348.0
80°	211.5	233.1	333.0	418.0	811.0	2039.9	761.0	393.0	263.1	203.2	186.5
82.5°	116.6	118.2	188.2	236.5	301.4	527.9	313.1	229.8	151.5	123.2	123.2
85°	71.6	69.9	99.9	126.6	126.6	188.2	149.9	126.6	86.6	76.6	79.9
87.5°	28.3	28.3	36.6	40.0	35.0	48.3	38.3	41.6	33.3	31.6	33.3
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)