

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: P942450

Luminaire Tested: **GALN-SB6C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942450
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-SB6C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37948 lumens
Efficiency: N/A
Efficacy: 126.1 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): 300.9
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



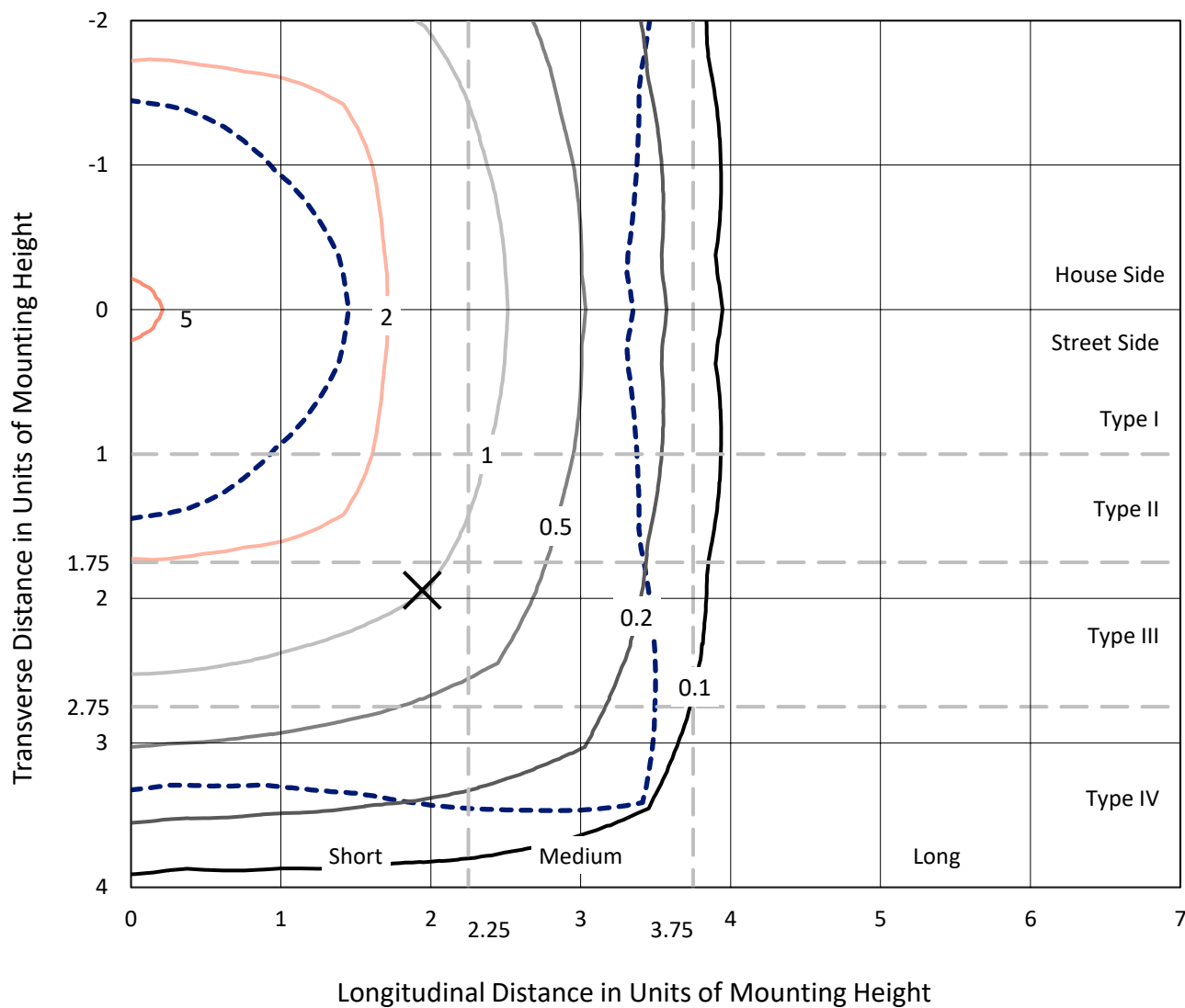
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

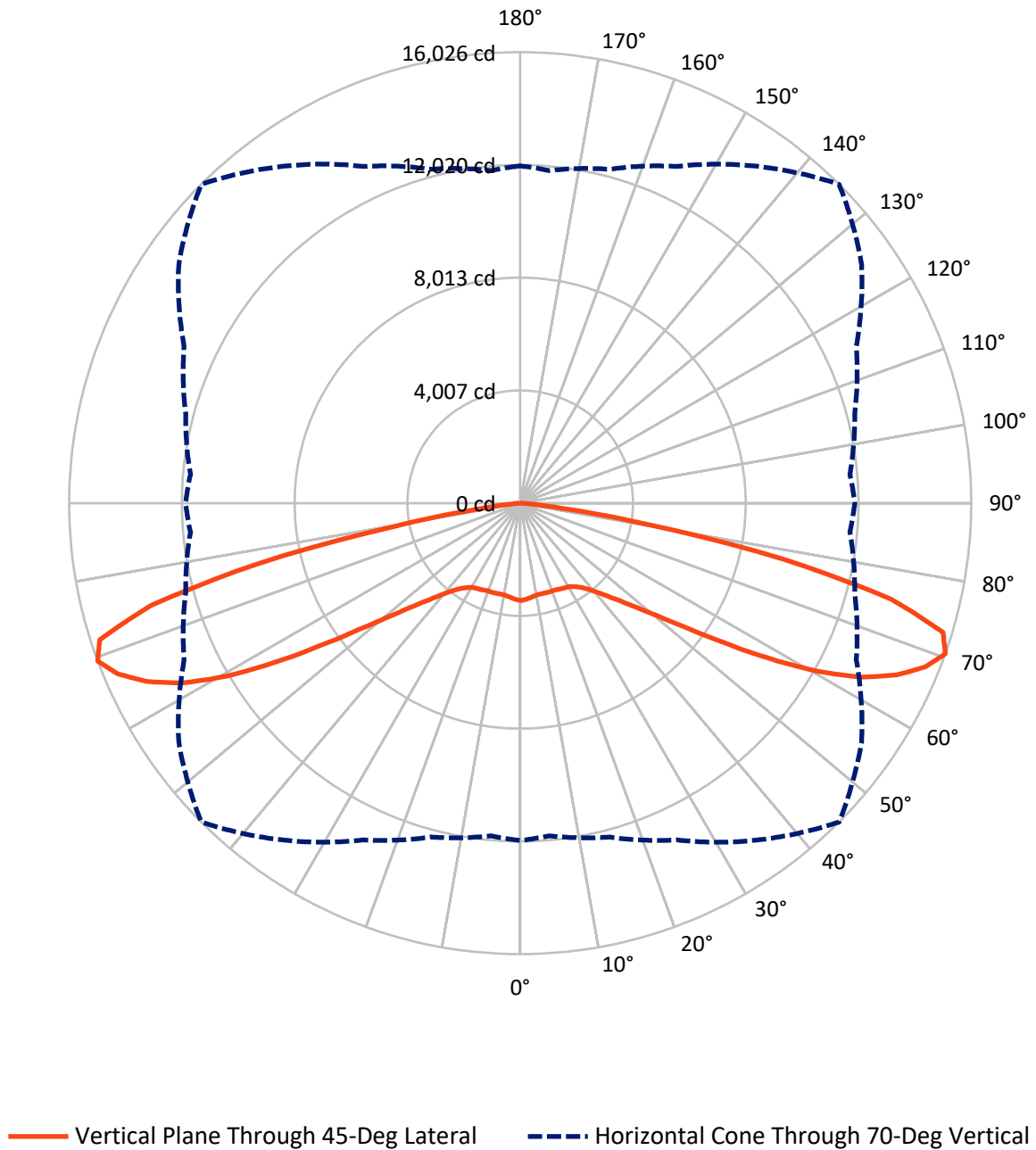


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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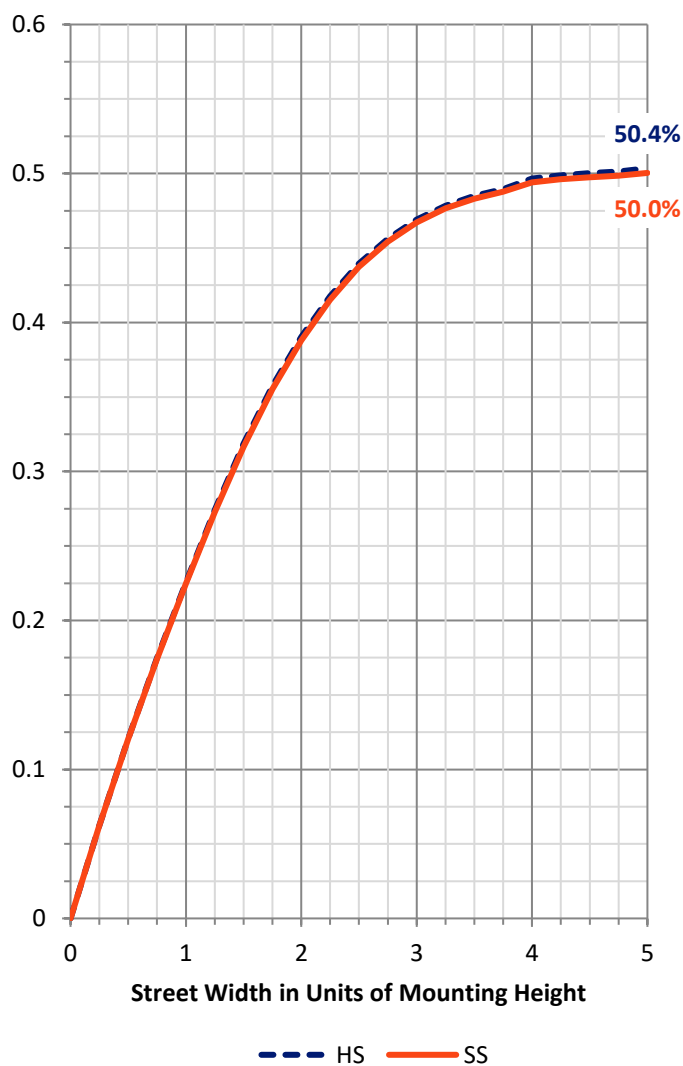
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18974.0	0.0	18974.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18974.0	0.0	18974.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37948.0	0.0	37948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.0	0.8
10°-20°	945.5	2.5
20°-30°	1573.5	4.1
30°-40°	2379.6	6.3
40°-50°	3954.2	10.4
50°-60°	7461.5	19.7
60°-70°	12599.1	33.2
70°-80°	8278.9	21.8
80°-90°	433.7	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°	37948.0	100.0
0°-180°	37948.0	100.0

Coefficient of Utilization



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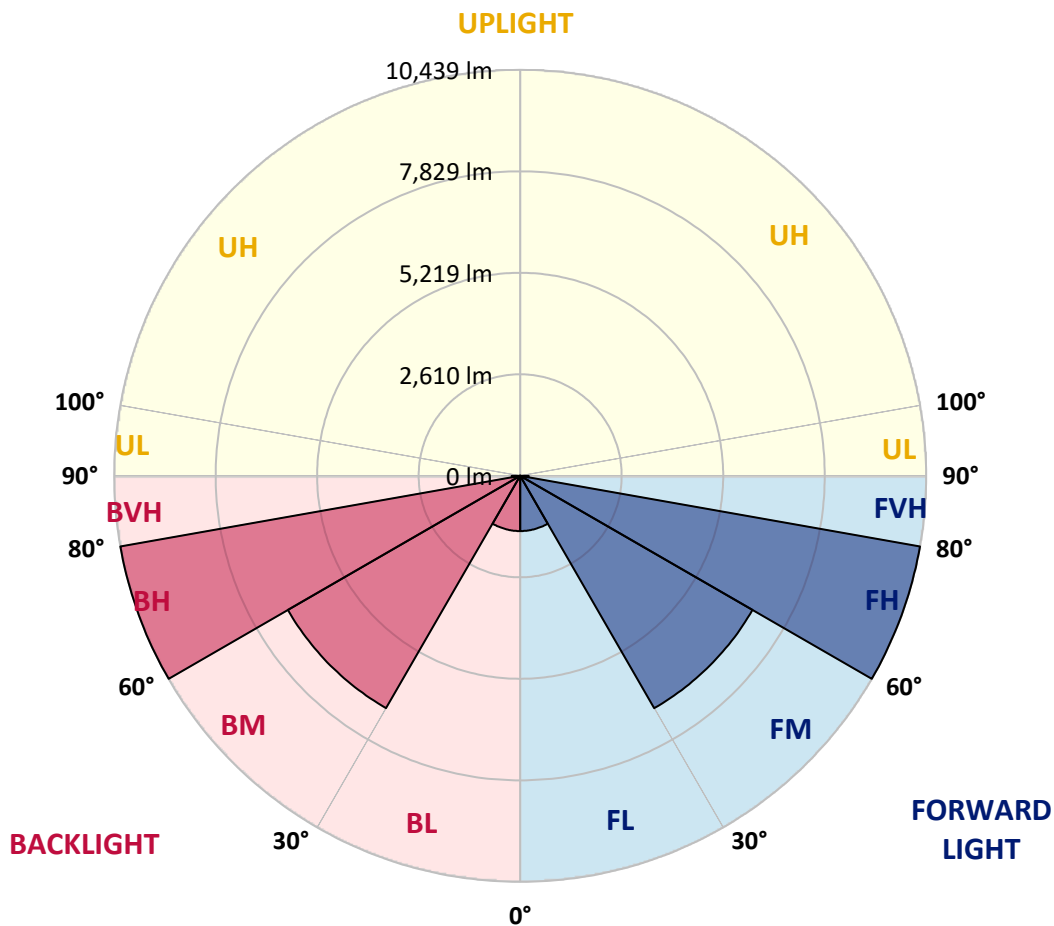
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1420.5	3.7			
FM	(30°-60°)	6897.7	18.2			
FH	(60°-80°)	10439.0	27.5			G4/12000
FVH	(80°-90°)	216.9	0.6			G2/225
BL	(0°-30°)	1420.5	3.7	B3/2500		
BM	(30°-60°)	6897.7	18.2	B4/8500		
BH	(60°-80°)	10439.0	27.5	B5		G4/12000
BVH	(80°-90°)	216.9	0.6			G2/225
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°	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6	3461.6
2.5°	3439.9	3449.8	3445.8	3438.0	3438.0	3432.0	3438.0	3441.9	3447.8	3451.8	3449.8
5°	3394.6	3402.4	3400.5	3394.6	3396.5	3390.6	3394.6	3400.5	3404.4	3406.4	3406.4
7.5°	3355.1	3363.0	3359.1	3349.2	3349.2	3343.3	3345.2	3351.2	3357.1	3359.1	3359.1
10°	3345.2	3353.1	3341.3	3325.5	3319.6	3311.7	3313.7	3319.6	3331.4	3337.4	3337.4
12.5°	3349.2	3355.1	3343.3	3319.6	3313.7	3305.8	3305.8	3311.7	3327.5	3335.4	3337.4
15°	3361.0	3366.9	3349.2	3323.6	3317.6	3311.7	3309.7	3317.6	3335.4	3349.2	3351.2
17.5°	3382.7	3388.6	3361.0	3325.5	3317.6	3319.6	3317.6	3323.6	3351.2	3376.8	3376.8
20°	3402.4	3406.4	3368.9	3325.5	3317.6	3319.6	3317.6	3329.5	3365.0	3400.5	3402.4
22.5°	3408.4	3412.3	3376.8	3339.3	3333.4	3335.4	3333.4	3345.2	3378.8	3414.3	3414.3
25°	3410.3	3416.3	3388.6	3359.1	3368.9	3372.9	3368.9	3370.9	3396.5	3428.1	3426.1
27.5°	3439.9	3447.8	3422.2	3396.5	3402.4	3400.5	3406.4	3412.3	3432.0	3463.6	3455.7
30°	3501.1	3507.0	3485.3	3459.6	3455.7	3441.9	3459.6	3479.4	3501.1	3528.7	3522.8
32.5°	3601.7	3613.5	3585.9	3558.3	3540.5	3532.6	3546.4	3580.0	3609.6	3639.1	3627.3
35°	3769.3	3777.2	3751.6	3700.3	3668.7	3668.7	3680.6	3724.0	3771.3	3808.8	3795.0
37.5°	4006.0	4015.9	3970.5	3909.4	3862.0	3862.0	3877.8	3923.2	3994.2	4047.4	4027.7
40°	4294.0	4307.8	4250.6	4187.5	4142.1	4134.2	4153.9	4205.2	4272.3	4339.4	4317.7
42.5°	4641.1	4656.9	4582.0	4526.7	4491.2	4491.2	4501.1	4548.4	4609.6	4692.4	4686.5
45°	5084.9	5112.5	5010.0	4954.8	4921.2	4929.1	4935.0	4976.5	5031.7	5126.4	5122.4
47.5°	5613.5	5641.2	5532.7	5475.5	5469.6	5507.0	5483.4	5513.0	5542.5	5651.0	5619.5
50°	6213.2	6260.5	6185.6	6181.6	6193.4	6262.5	6207.2	6223.0	6189.5	6258.5	6217.1
52.5°	6946.9	7015.9	7002.1	7025.8	7158.0	7300.0	7173.7	7118.5	6992.3	7014.0	6941.0
55°	7836.5	7941.0	7960.7	8102.8	8402.6	8692.5	8424.3	8201.4	7933.1	7883.8	7806.9
57.5°	8848.3	8931.2	9025.9	9315.8	9876.0	10390.8	9876.0	9382.9	8960.8	8860.2	8789.2
60°	9937.1	10039.7	10130.4	10558.4	11390.8	12114.7	11375.0	10592.0	10033.8	9897.7	9779.3
62.5°	11106.8	11238.9	11302.0	11777.4	12747.8	13611.8	12761.6	11812.9	11193.6	11047.6	10929.3
65°	12229.1	12337.6	12408.6	12915.5	13842.5	14708.4	13905.7	12970.7	12333.6	12142.3	12047.6
67.5°	12751.8	12811.0	12984.5	13558.5	14536.8	15525.0	14702.5	13619.7	12907.6	12572.3	12576.2
70°	11986.5	11866.2	12284.3	13203.5	14619.7	16026.0	14809.0	13175.9	12304.0	11759.7	11889.8
72.5°	9262.5	9055.4	9781.3	11353.3	13672.9	15706.5	13767.6	11442.1	10233.0	9128.4	9402.6
75°	5039.6	4804.8	5806.8	7795.1	10903.6	13613.7	11154.1	8017.9	6465.6	5002.1	5327.5
77.5°	1422.1	1333.4	2142.1	3771.3	6558.3	9558.4	6810.8	3854.1	2540.5	1506.9	1674.6
80°	435.9	422.1	572.0	1136.1	2785.1	4578.0	2676.6	1149.9	727.8	459.6	485.2
82.5°	258.4	236.7	284.0	414.2	710.1	1437.9	690.4	432.0	347.1	232.7	252.5
85°	147.9	138.1	167.7	201.2	238.7	305.7	199.2	205.1	185.4	124.3	130.2
87.5°	61.1	55.2	65.1	63.1	55.2	71.0	53.3	63.1	75.0	49.3	45.4
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)