

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: P952684

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952684
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-SB6C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39289 lumens
Efficiency: N/A
Efficacy: 130.6 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

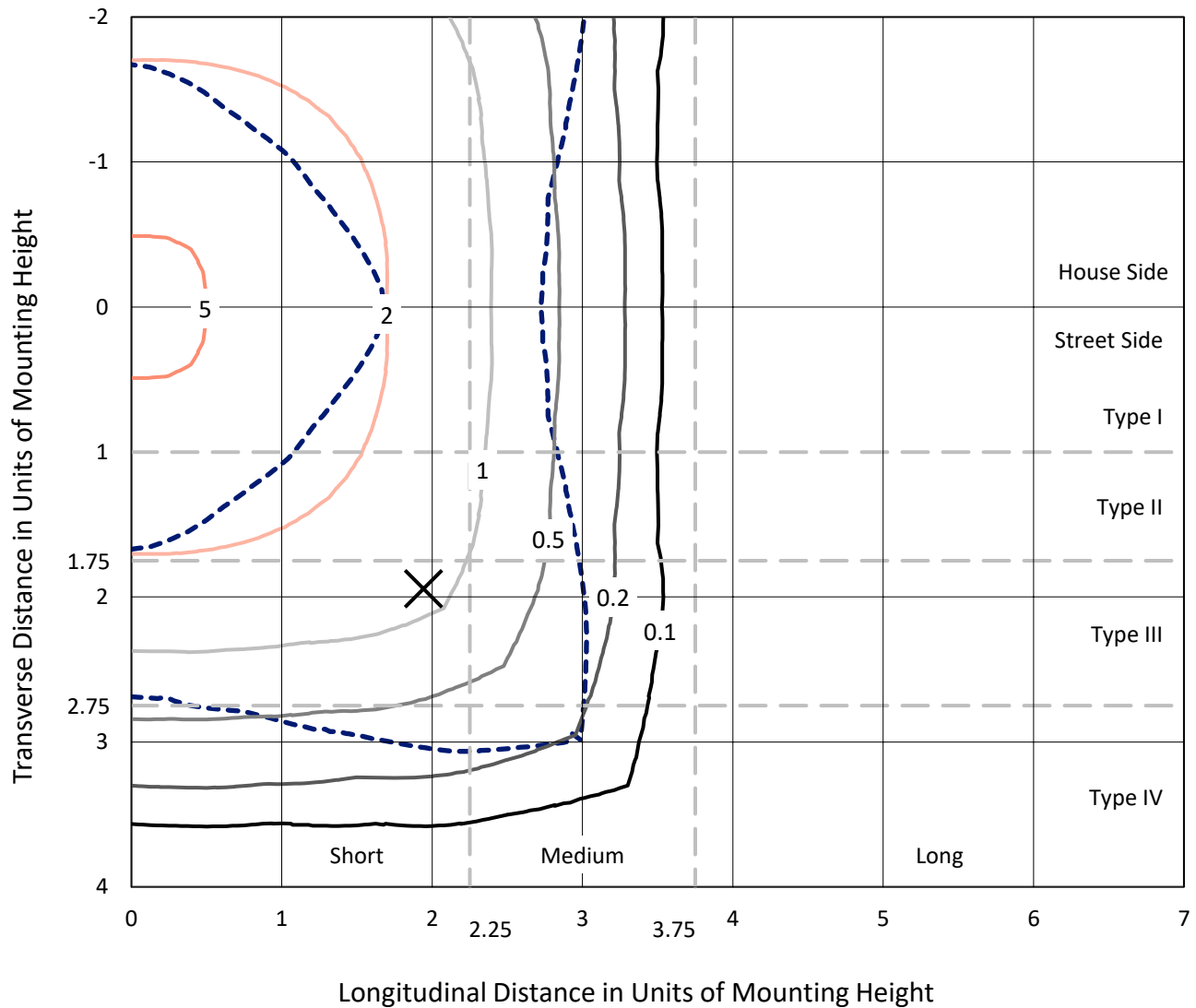


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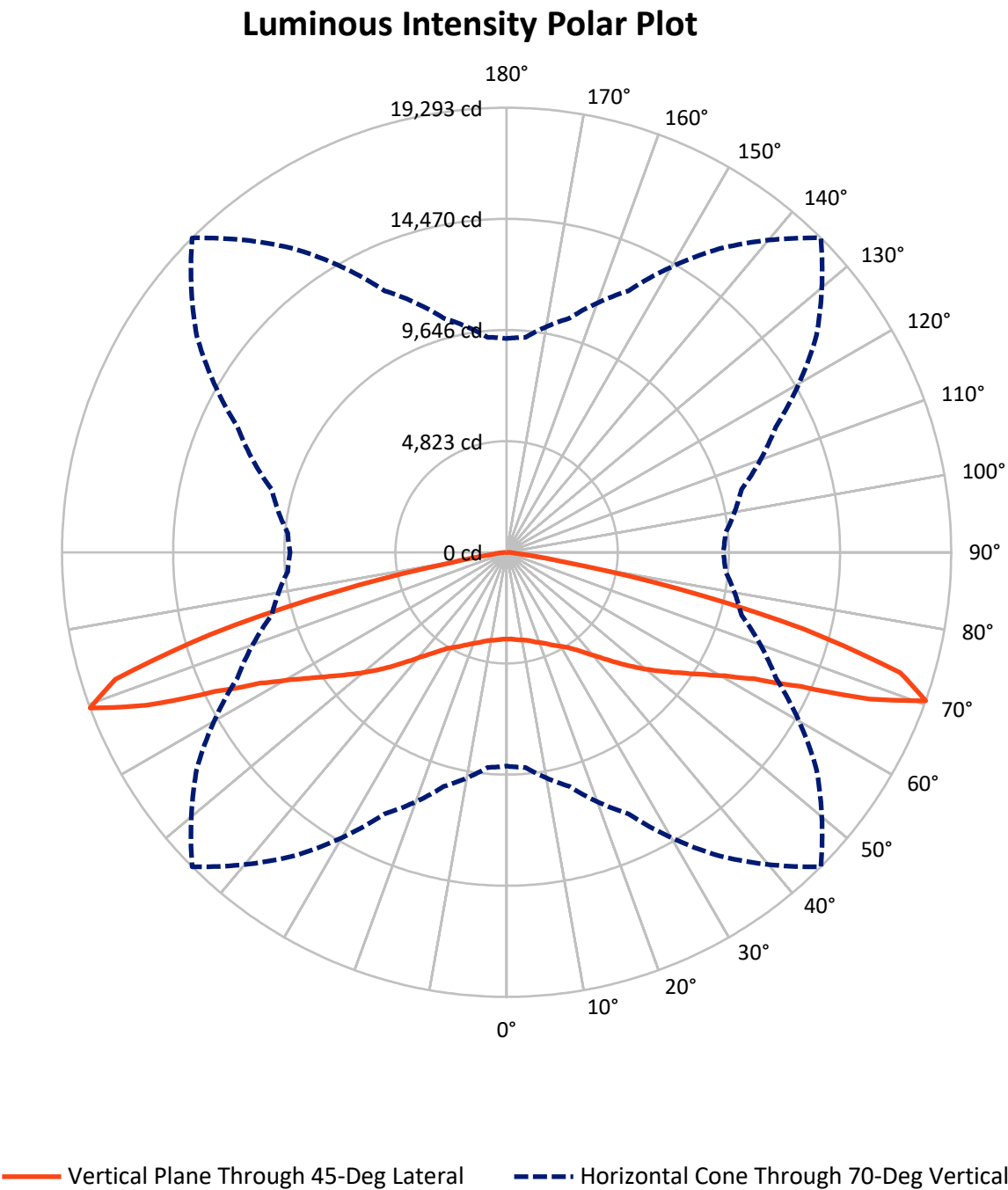
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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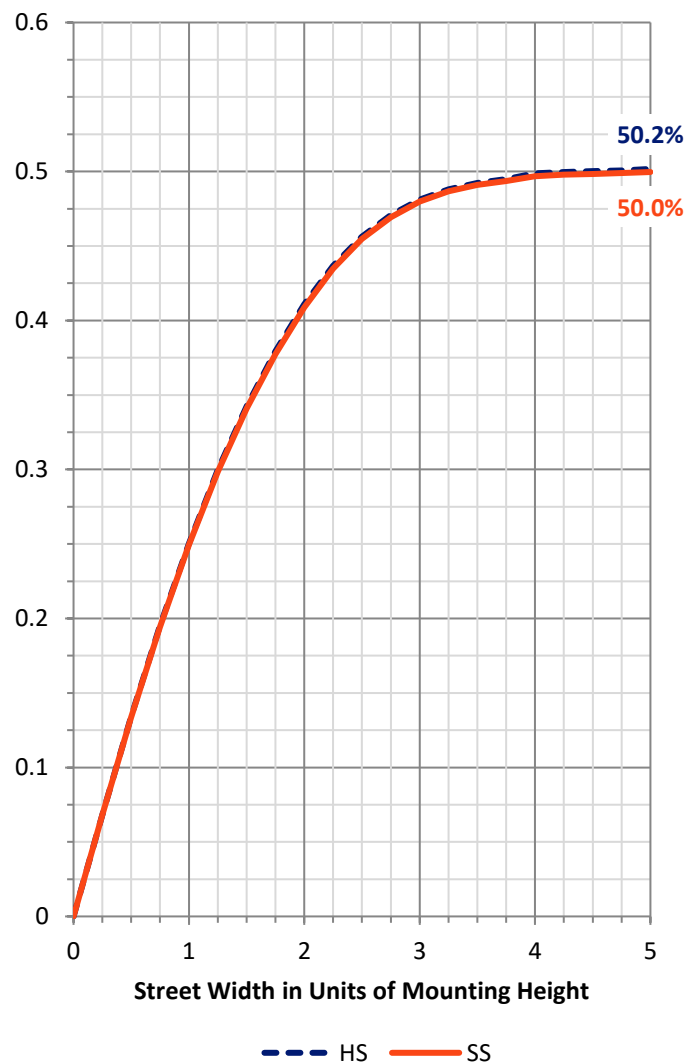
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19644.5	0.0	19644.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19644.5	0.0	19644.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39289.0	0.0	39289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.6	0.9
10°-20°	1133.8	2.9
20°-30°	2026.1	5.2
30°-40°	3284.4	8.4
40°-50°	5349.7	13.6
50°-60°	8156.5	20.8
60°-70°	12134.2	30.9
70°-80°	6613.5	16.8
80°-90°	225.2	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°	39289.0	100.0
0°-180°	39289.0	100.0

Coefficient of Utilization



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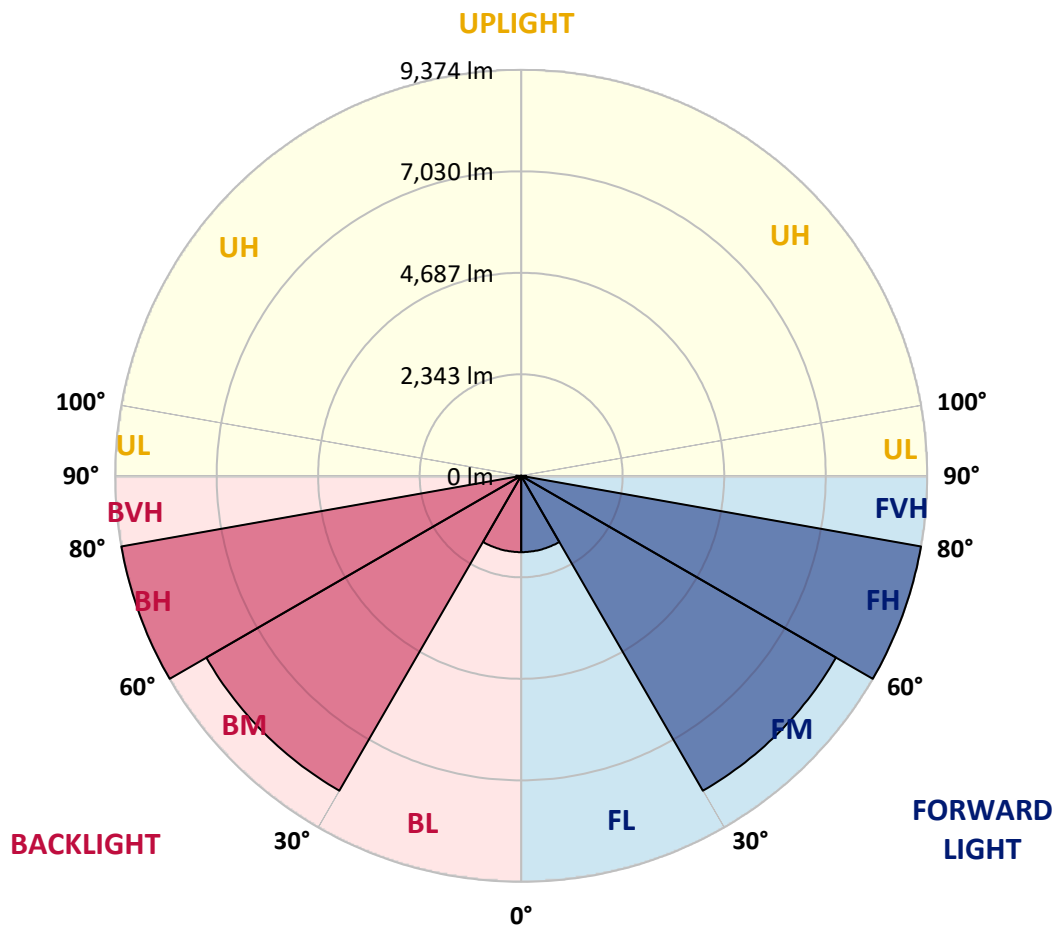
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1762.8	4.5			
FM	(30°-60°)	8395.2	21.4			
FH	(60°-80°)	9373.9	23.9			G4/12000
FVH	(80°-90°)	112.6	0.3			G2/225
BL	(0°-30°)	1762.8	4.5	B3/2500		
BM	(30°-60°)	8395.2	21.4	B4/8500		
BH	(60°-80°)	9373.9	23.9	B5		G4/12000
BVH	(80°-90°)	112.6	0.3			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°	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5	3763.5
2.5°	3781.2	3785.2	3777.3	3773.3	3769.4	3763.5	3765.5	3775.3	3783.2	3781.2	3783.2
5°	3812.8	3816.7	3810.8	3808.8	3801.0	3799.0	3799.0	3808.8	3814.8	3810.8	3812.8
7.5°	3848.3	3854.2	3844.4	3842.4	3838.4	3834.5	3832.5	3842.4	3848.3	3848.3	3848.3
10°	3881.8	3887.7	3879.9	3873.9	3870.0	3870.0	3866.0	3873.9	3883.8	3881.8	3881.8
12.5°	3917.3	3921.3	3913.4	3909.4	3909.4	3915.4	3909.4	3913.4	3921.3	3917.3	3915.4
15°	3960.7	3962.7	3960.7	3966.6	3976.5	3996.2	3978.5	3974.5	3978.5	3968.6	3968.6
17.5°	4019.9	4023.8	4031.7	4045.5	4059.4	4094.9	4063.3	4053.4	4053.4	4033.7	4033.7
20°	4092.9	4098.8	4110.6	4134.3	4152.1	4185.6	4154.0	4140.2	4134.3	4108.7	4108.7
22.5°	4169.8	4179.7	4197.4	4229.0	4260.5	4292.1	4260.5	4236.9	4219.1	4185.6	4183.6
25°	4258.6	4270.4	4298.0	4349.3	4392.7	4438.1	4400.6	4353.2	4317.7	4270.4	4268.4
27.5°	4384.8	4398.6	4432.1	4495.3	4550.5	4589.9	4554.4	4493.3	4444.0	4386.8	4384.8
30°	4562.3	4576.1	4615.6	4682.7	4720.1	4745.8	4722.1	4674.8	4615.6	4550.5	4550.5
32.5°	4791.1	4808.9	4852.3	4915.4	4923.3	4927.2	4919.3	4895.7	4852.3	4773.4	4775.4
35°	5081.1	5100.8	5150.1	5201.4	5193.5	5201.4	5189.6	5181.7	5150.1	5059.4	5059.4
37.5°	5436.1	5459.8	5511.1	5550.5	5530.8	5521.0	5522.9	5524.9	5507.1	5406.6	5406.6
40°	5848.4	5879.9	5917.4	5958.8	5925.3	5895.7	5915.4	5931.2	5915.4	5812.9	5812.9
42.5°	6272.5	6317.8	6357.3	6416.5	6388.8	6351.4	6379.0	6396.7	6363.2	6252.7	6260.6
45°	6743.9	6787.3	6838.6	6927.3	6907.6	6868.2	6907.6	6911.5	6854.3	6724.2	6738.0
47.5°	7231.1	7276.5	7353.4	7471.7	7463.8	7420.4	7471.7	7444.1	7371.1	7215.3	7205.4
50°	7692.6	7755.8	7874.1	8039.8	8055.6	8002.3	8071.4	8018.1	7895.8	7700.5	7696.6
52.5°	8126.6	8193.7	8381.0	8605.9	8663.1	8594.1	8686.8	8594.1	8410.6	8160.1	8136.5
55°	8582.2	8657.2	8880.1	9174.0	9288.4	9237.1	9323.9	9183.8	8923.5	8619.7	8578.3
57.5°	9118.7	9164.1	9430.4	9779.5	9972.8	9984.7	10024.1	9787.4	9471.8	9126.6	9079.3
60°	9700.6	9763.7	10053.7	10471.9	10777.6	10876.2	10834.8	10483.7	10116.8	9720.3	9657.2
62.5°	10446.2	10515.3	10862.4	11363.4	11846.7	12091.3	11929.5	11420.6	10967.0	10491.6	10408.7
65°	11063.6	11140.5	11767.8	12661.3	13541.0	14032.2	13625.8	12688.9	11872.3	11201.7	11091.2
67.5°	10615.9	10710.5	11694.8	13335.9	15523.4	16988.9	15598.3	13537.1	11937.4	11028.1	10892.0
70°	9278.5	9367.3	10515.3	12521.3	16081.6	19292.8	16416.9	12890.1	10552.7	9534.9	9398.8
72.5°	6160.0	6446.0	7607.8	10014.2	14359.6	17852.9	14501.6	9811.1	7057.5	6146.2	5947.0
75°	2043.5	2272.3	3065.2	5191.6	9617.8	13351.7	9156.2	4593.9	2428.1	1747.6	1652.9
77.5°	514.8	593.7	818.6	1485.3	3836.5	7601.9	3453.8	1213.1	660.8	461.6	412.2
80°	250.5	276.1	394.5	495.1	960.6	2416.3	901.4	465.5	311.7	240.6	220.9
82.5°	138.1	140.0	222.9	280.1	357.0	625.3	370.8	272.2	179.5	146.0	146.0
85°	84.8	82.8	118.3	149.9	149.9	222.9	177.5	149.9	102.6	90.7	94.7
87.5°	33.5	33.5	43.4	47.3	41.4	57.2	45.4	49.3	39.4	37.5	39.4
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)