

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: P951260

Luminaire Tested: **GALN-SB5C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32181 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

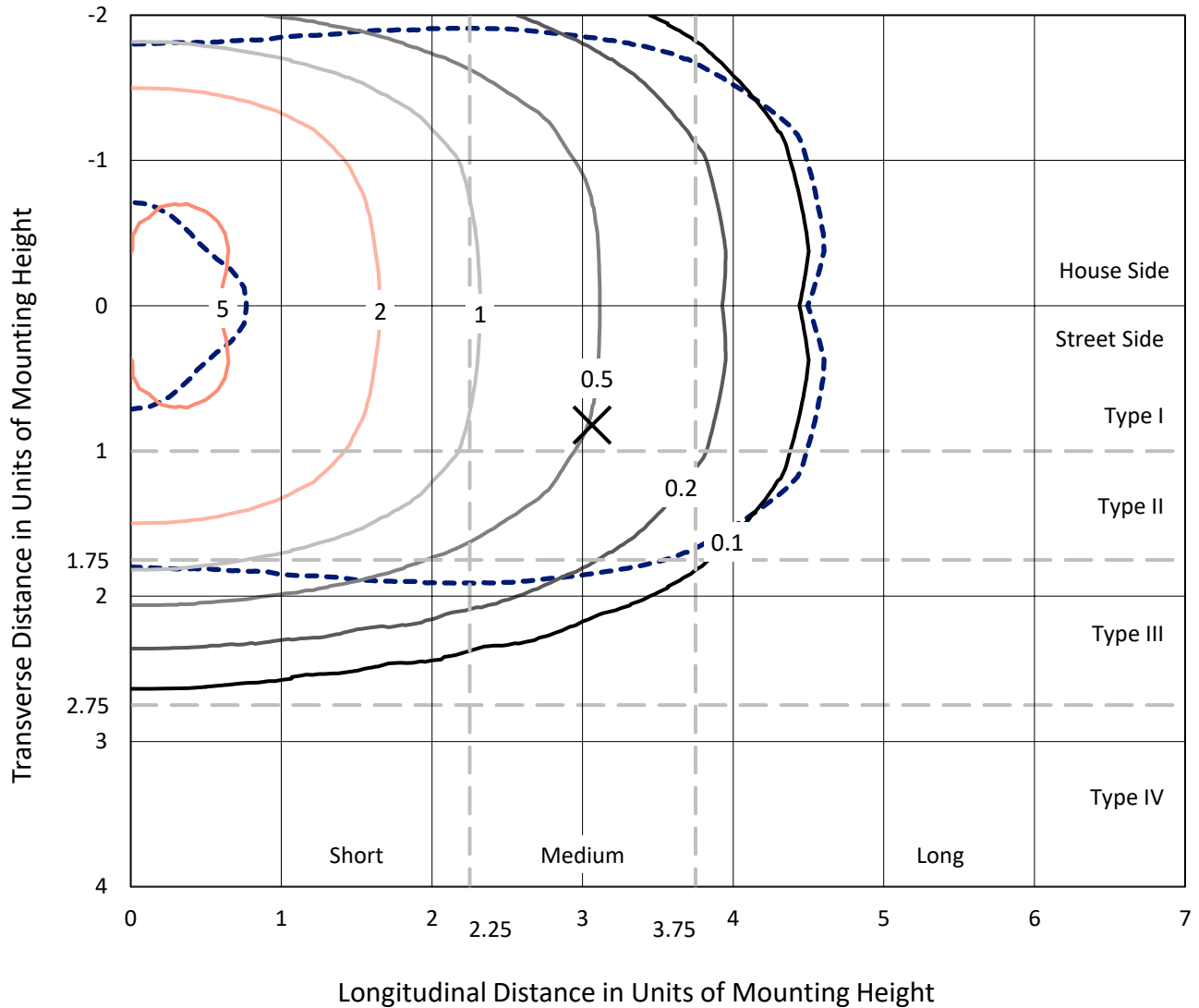
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

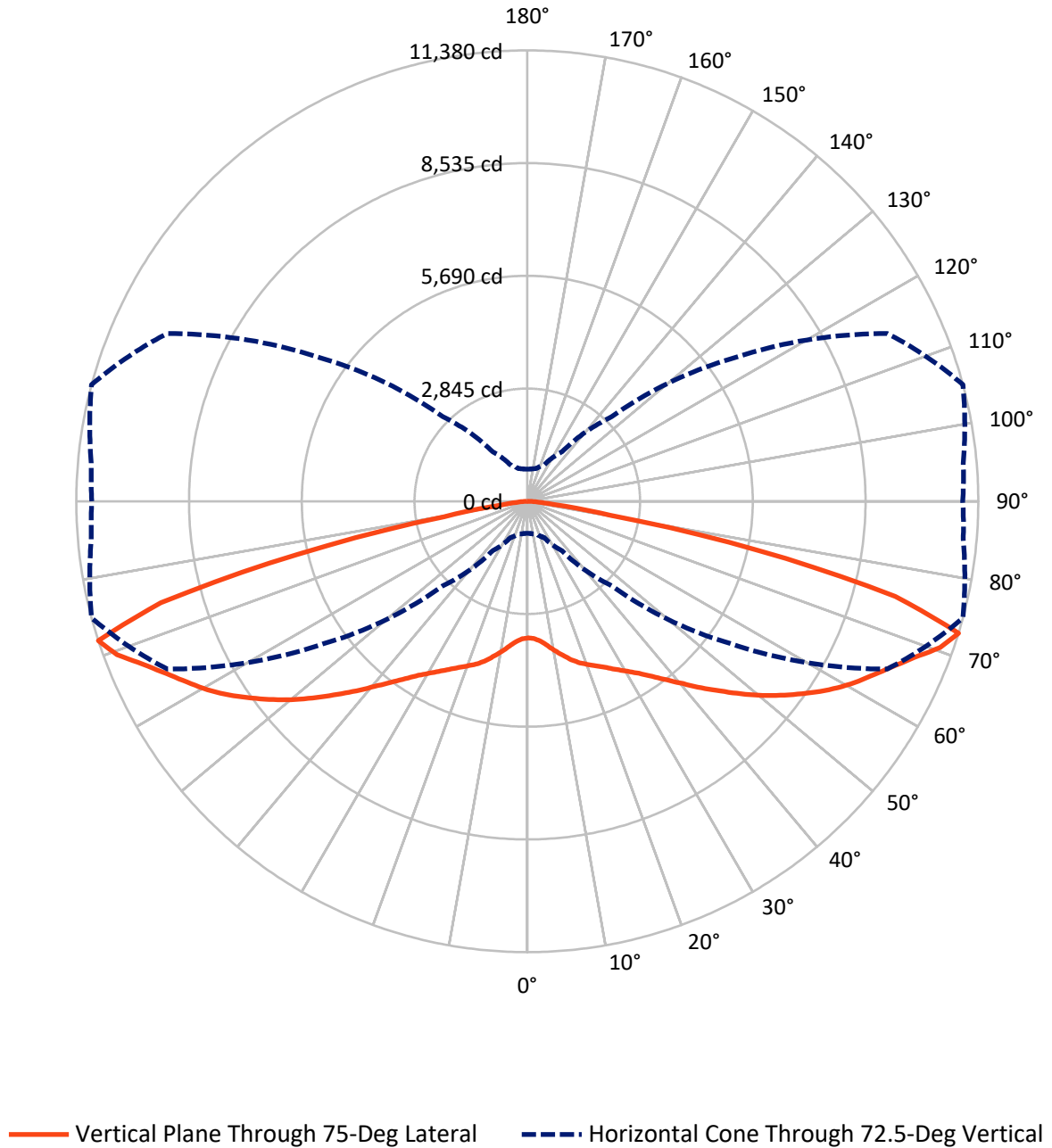
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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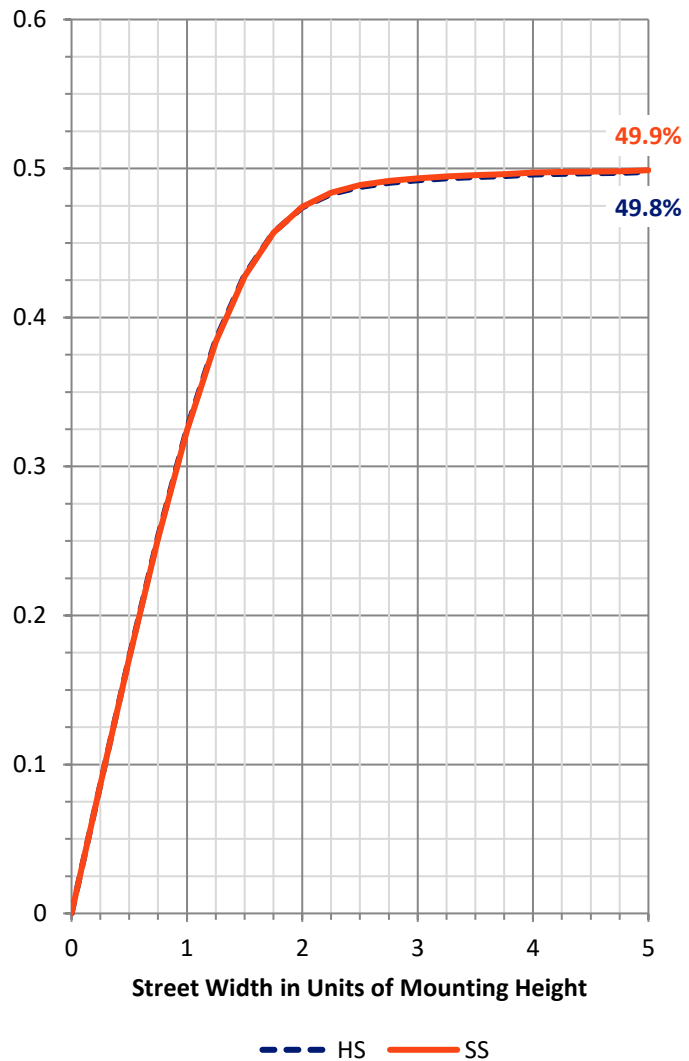
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16090.5	0.0	16090.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16090.5	0.0	16090.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32181.0	0.0	32181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.7	1.0
10°-20°	1113.7	3.5
20°-30°	2152.1	6.7
30°-40°	3633.9	11.3
40°-50°	5762.9	17.9
50°-60°	7715.9	24.0
60°-70°	7343.0	22.8
70°-80°	3831.7	11.9
80°-90°	290.0	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°	32181.0	100.0
0°-180°	32181.0	100.0

Coefficient of Utilization



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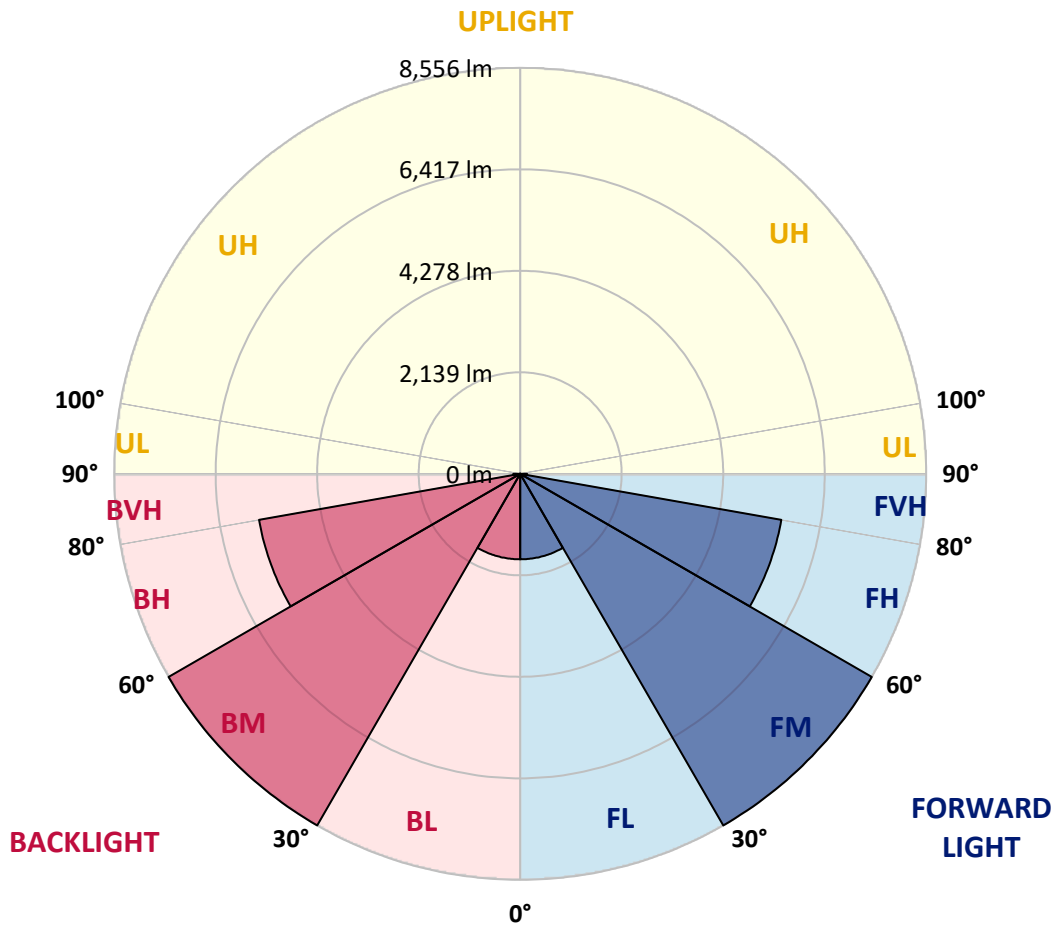
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1801.7	5.6			
FM (30°-60°)	8556.3	26.6			
FH (60°-80°)	5587.4	17.4			G3/7500
FVH (80°-90°)	145.0	0.5			G2/225
BL (0°-30°)	1801.7	5.6	B3/2500		
BM (30°-60°)	8556.3	26.6	B5		
BH (60°-80°)	5587.4	17.4	B5		G5
BVH (80°-90°)	145.0	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2	3447.2
2.5°	3447.2	3443.9	3447.2	3450.4	3448.8	3448.8	3457.0	3461.9	3471.8	3470.2	3468.5
5°	3424.2	3422.5	3435.7	3450.4	3461.9	3481.7	3506.3	3524.4	3547.4	3552.3	3552.3
7.5°	3412.7	3407.7	3430.7	3457.0	3493.2	3542.5	3590.1	3639.4	3678.8	3692.0	3695.3
10°	3420.9	3422.5	3453.7	3503.0	3560.5	3629.5	3696.9	3780.7	3836.6	3849.7	3862.9
12.5°	3458.7	3455.4	3508.0	3586.8	3665.7	3752.8	3831.6	3923.7	3984.4	4015.7	4028.8
15°	3527.7	3521.1	3595.0	3711.7	3826.7	3928.6	3992.7	4079.7	4150.4	4189.8	4204.6
17.5°	3609.8	3613.1	3710.1	3861.2	4012.4	4127.4	4188.2	4232.5	4286.8	4321.3	4337.7
20°	3754.4	3761.0	3869.4	4048.5	4221.0	4352.5	4401.8	4385.4	4400.1	4426.4	4446.1
22.5°	3948.3	3951.6	4073.2	4267.1	4447.8	4592.4	4625.2	4557.9	4516.8	4534.9	4548.0
25°	4173.4	4194.8	4316.3	4515.2	4700.8	4838.8	4853.6	4751.8	4649.9	4654.8	4663.0
27.5°	4447.8	4467.5	4590.7	4787.9	4976.9	5096.8	5095.2	4958.8	4809.3	4771.5	4783.0
30°	4745.2	4766.5	4893.1	5096.8	5272.6	5377.8	5354.8	5192.1	4978.5	4907.9	4916.1
32.5°	5098.4	5111.6	5239.8	5443.5	5606.2	5690.0	5642.3	5441.8	5175.7	5095.2	5114.9
35°	5525.6	5545.4	5640.7	5832.9	5975.8	6044.9	5964.3	5727.7	5428.7	5338.3	5351.5
37.5°	6013.6	6000.5	6108.9	6279.8	6398.1	6440.8	6330.7	6049.8	5717.9	5611.1	5630.8
40°	6523.0	6516.4	6634.7	6799.0	6863.1	6889.4	6726.7	6419.5	6051.4	5936.4	5974.2
42.5°	6984.7	6979.8	7139.1	7321.5	7398.7	7369.2	7163.8	6812.2	6437.5	6306.1	6339.0
45°	7354.4	7347.8	7543.3	7799.7	7950.8	7901.5	7625.5	7245.9	6828.6	6692.2	6723.4
47.5°	7638.6	7641.9	7852.2	8169.3	8433.9	8452.0	8097.0	7687.9	7259.1	7104.6	7150.6
50°	7844.0	7853.9	8079.0	8430.6	8792.1	8951.4	8578.5	8141.4	7704.4	7530.2	7582.8
52.5°	7895.0	7913.0	8184.1	8596.5	9022.1	9326.1	9068.1	8576.8	8126.6	7960.7	8003.4
55°	7623.8	7660.0	8003.4	8583.4	9163.4	9572.5	9498.6	9018.8	8552.2	8381.3	8428.9
57.5°	7001.1	7052.1	7453.0	8210.4	9132.2	9741.8	9832.1	9442.7	8977.7	8813.4	8851.2
60°	6128.7	6189.4	6573.9	7400.4	8691.8	9804.2	10067.1	9855.1	9368.8	9209.4	9243.9
62.5°	4812.6	4891.4	5351.5	6320.9	7761.9	9513.4	10267.5	10228.1	9720.4	9521.6	9544.6
65°	3087.3	3171.1	3655.8	4801.1	6521.3	8622.8	10330.0	10591.2	10091.7	9814.1	9848.6
67.5°	1861.6	1899.4	2139.3	2909.9	4766.5	7280.4	9800.9	10993.8	10525.5	10180.5	10206.8
70°	1191.2	1212.6	1355.5	1708.8	2694.6	5312.0	8489.7	11069.4	11051.3	10556.7	10553.4
72.5°	808.4	815.0	852.8	1012.1	1524.8	3018.3	6261.7	10021.1	11379.9	11041.4	10988.9
75°	591.5	627.7	688.4	716.4	865.9	1508.3	3588.5	7040.6	9590.6	9738.5	9380.3
77.5°	440.3	442.0	525.8	558.6	617.8	803.5	1518.2	3930.2	5954.5	6251.9	5576.6
80°	373.0	353.3	351.6	450.2	465.0	501.1	678.6	1357.2	2132.7	1293.1	977.6
82.5°	310.5	289.2	261.2	351.6	317.1	307.3	294.1	552.1	678.6	333.5	284.3
85°	216.9	207.0	197.2	230.0	180.7	154.4	141.3	258.0	285.9	141.3	124.9
87.5°	93.7	96.9	98.6	101.9	75.6	54.2	54.2	72.3	72.3	55.9	41.1
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)