

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: P950900

Luminaire Tested: **GALN-SB5B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24623 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 182.7
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

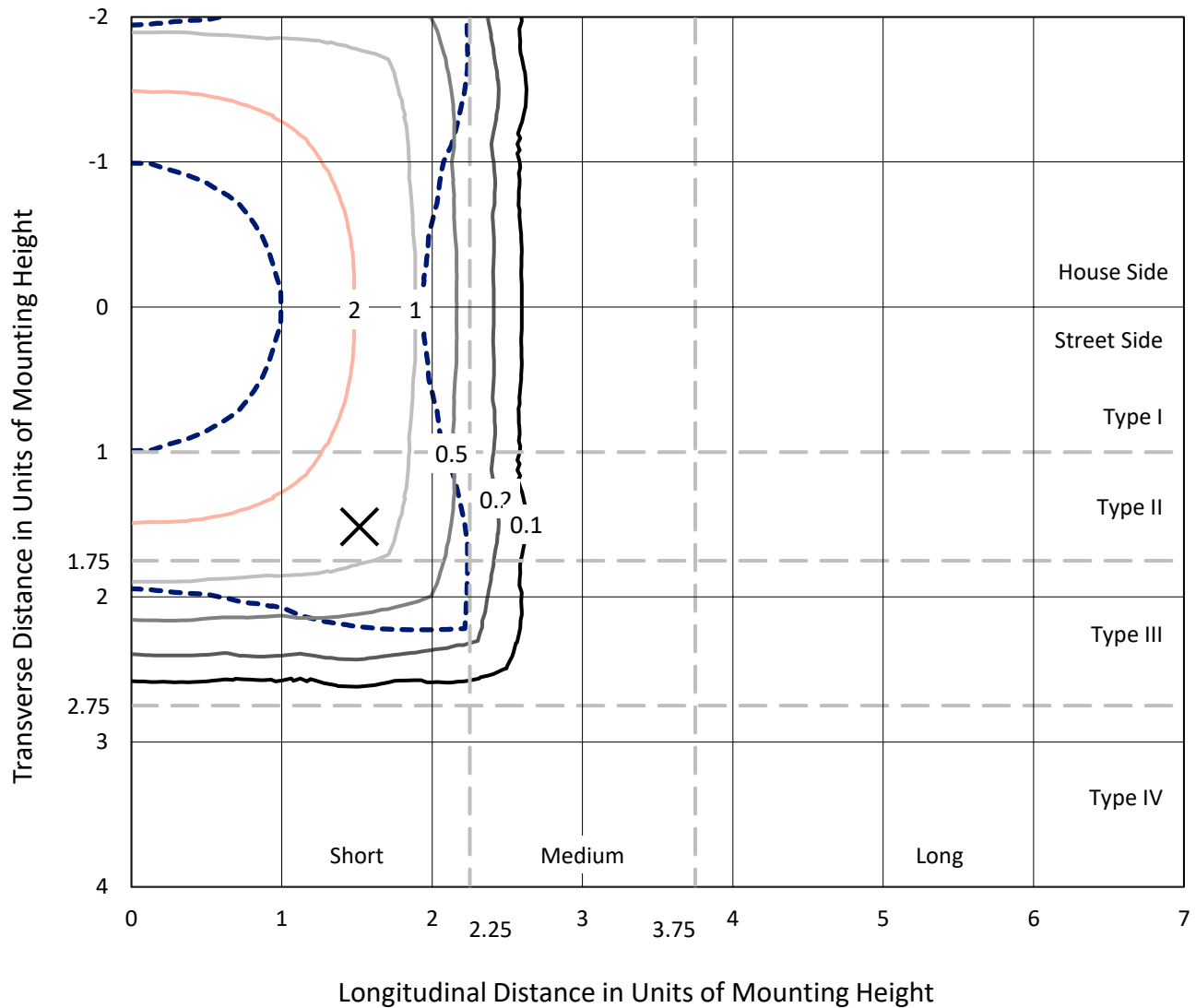


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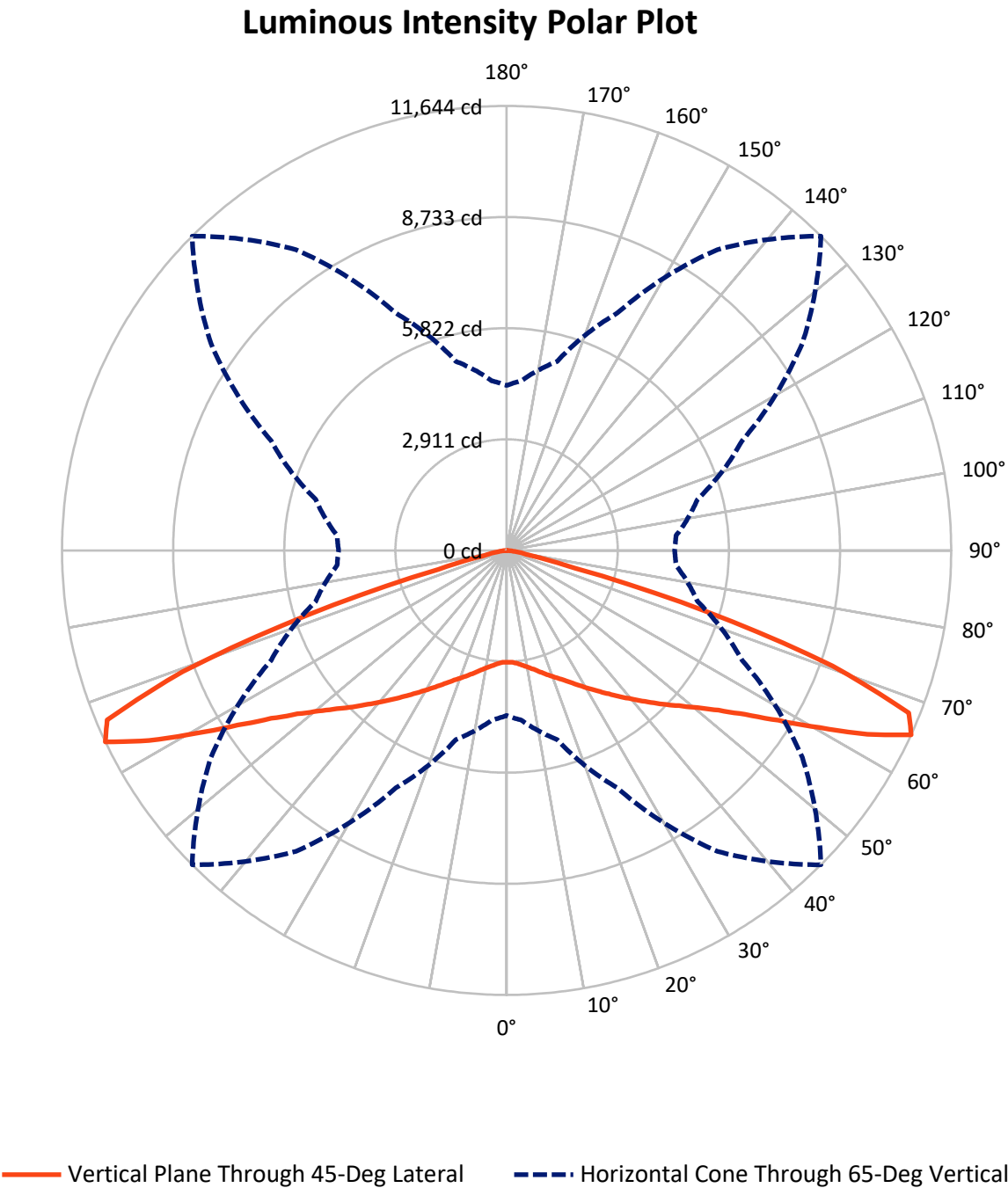
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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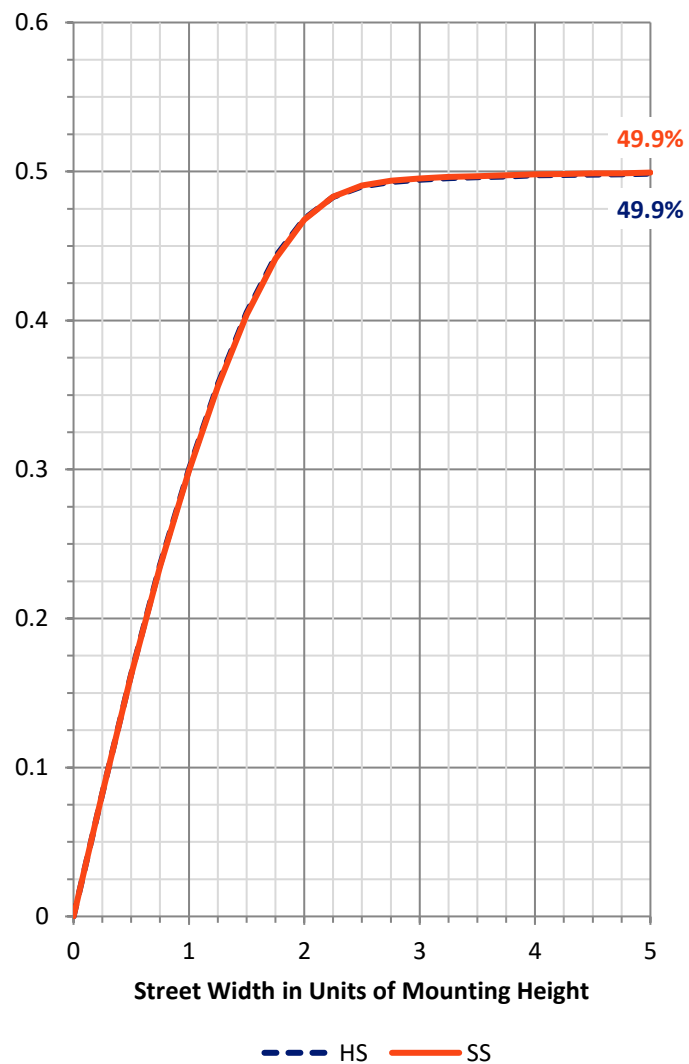
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12311.5	0.0	12311.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12311.5	0.0	12311.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24623.0	0.0	24623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.2	1.2
10°-20°	943.7	3.8
20°-30°	1781.8	7.2
30°-40°	2917.6	11.8
40°-50°	4523.8	18.4
50°-60°	6682.6	27.1
60°-70°	6361.2	25.8
70°-80°	1026.5	4.2
80°-90°	96.8	0.4
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°	24623.0	100.0
0°-180°	24623.0	100.0

Coefficient of Utilization



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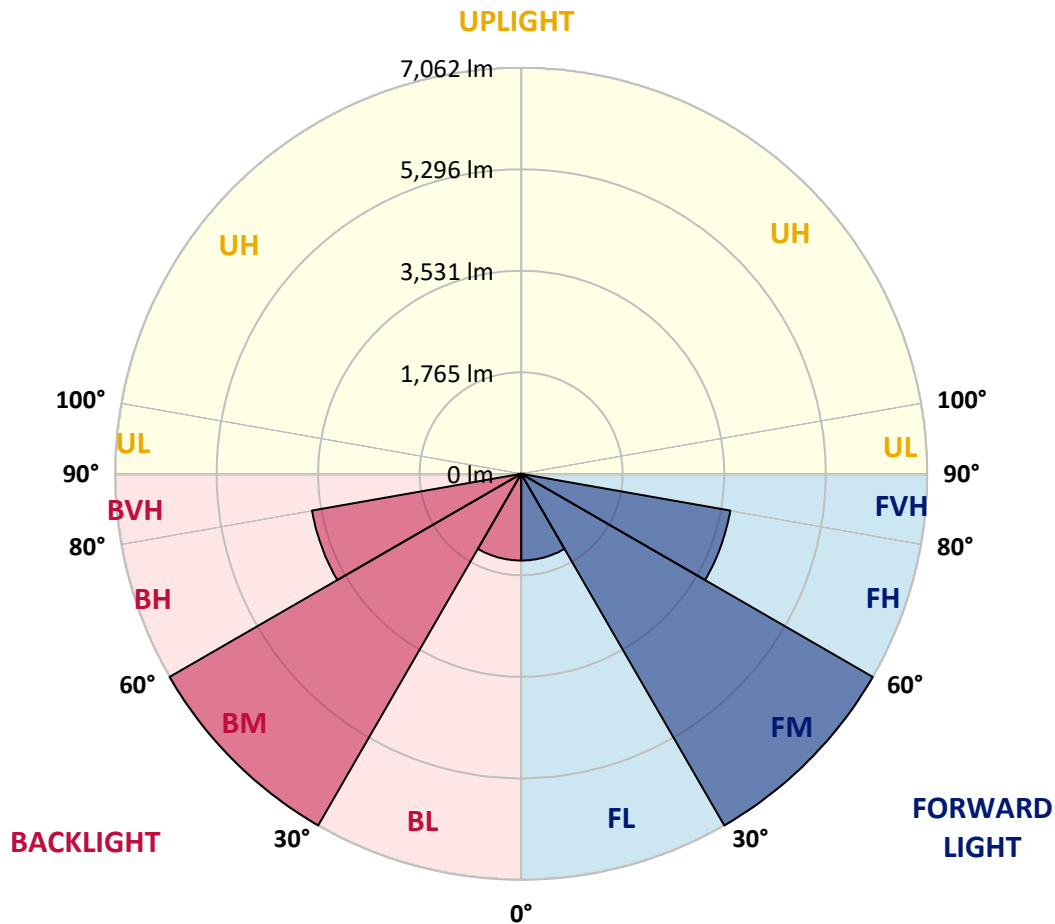
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1507.3	6.1			
FM	(30°-60°)	7062.0	28.7			
FH	(60°-80°)	3693.8	15.0			G2/5000
FVH	(80°-90°)	48.4	0.2			G1/100
BL	(0°-30°)	1507.3	6.1	B3/2500		
BM	(30°-60°)	7062.0	28.7	B4/8500		
BH	(60°-80°)	3693.8	15.0	B4/5000		G2/5000
BVH	(80°-90°)	48.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4	2930.4
2.5°	2950.1	2940.3	2947.7	2941.5	2936.6	2931.6	2934.1	2942.7	2946.4	2947.7	2947.7
5°	2989.7	2981.0	2984.7	2984.7	2976.1	2973.6	2974.9	2981.0	2988.4	2988.4	2988.4
7.5°	3053.9	3045.3	3053.9	3049.0	3041.6	3039.1	3037.9	3042.8	3053.9	3053.9	3050.2
10°	3131.8	3121.9	3126.8	3124.3	3115.7	3112.0	3110.8	3118.2	3128.0	3126.8	3124.3
12.5°	3217.0	3205.9	3212.1	3204.6	3202.2	3198.5	3198.5	3197.2	3203.4	3198.5	3200.9
15°	3312.1	3304.7	3307.2	3302.2	3305.9	3303.5	3293.6	3288.7	3291.1	3283.7	3284.9
17.5°	3424.5	3407.3	3415.9	3413.4	3413.4	3418.4	3402.3	3396.1	3401.1	3393.7	3399.8
20°	3554.3	3537.0	3540.7	3535.7	3529.6	3534.5	3514.7	3519.7	3523.4	3518.4	3529.6
22.5°	3696.3	3674.1	3672.9	3675.3	3661.7	3663.0	3649.4	3661.7	3669.2	3655.6	3669.2
25°	3842.1	3818.6	3834.7	3828.5	3811.2	3814.9	3805.1	3817.4	3823.6	3806.3	3826.1
27.5°	3996.5	3980.5	3995.3	3999.0	3978.0	3992.8	3978.0	3989.1	3995.3	3969.4	3989.1
30°	4176.9	4160.8	4174.4	4184.3	4159.6	4183.1	4170.7	4178.1	4179.4	4148.5	4167.0
32.5°	4373.3	4348.6	4383.2	4388.2	4361.0	4389.4	4373.3	4383.2	4389.4	4347.4	4375.8
35°	4613.0	4582.1	4621.7	4615.5	4592.0	4615.5	4600.7	4615.5	4630.3	4579.7	4610.5
37.5°	4871.2	4839.1	4881.1	4870.0	4847.7	4863.8	4855.1	4865.0	4888.5	4834.1	4867.5
40°	5155.3	5115.8	5172.6	5152.9	5131.9	5129.4	5134.3	5140.5	5171.4	5110.9	5130.6
42.5°	5459.3	5417.3	5502.5	5471.6	5442.0	5422.2	5438.3	5450.6	5480.3	5412.3	5448.1
45°	5806.4	5758.2	5869.4	5832.4	5785.4	5744.6	5770.6	5789.1	5832.4	5750.8	5792.8
47.5°	6189.4	6135.0	6253.6	6242.5	6165.9	6077.0	6136.3	6189.4	6221.5	6122.7	6156.0
50°	6563.7	6521.7	6677.4	6691.0	6597.1	6472.3	6555.1	6635.4	6644.0	6514.3	6530.4
52.5°	6914.6	6872.6	7098.6	7183.9	7099.9	6951.6	7039.3	7120.9	7055.4	6887.4	6892.3
55°	7195.0	7160.4	7448.3	7668.2	7696.6	7574.3	7626.2	7623.7	7408.7	7150.5	7159.2
57.5°	7263.0	7258.0	7621.2	8087.0	8383.5	8398.3	8295.8	8033.8	7570.6	7223.4	7201.2
60°	6954.1	6985.0	7484.1	8305.6	9096.3	9424.9	8981.4	8234.0	7386.5	6904.7	6847.9
62.5°	6030.0	6111.6	6713.2	8038.8	9672.0	10606.0	9531.2	7930.1	6630.4	6001.6	5964.5
65°	4321.5	4463.5	5128.2	6860.2	9620.1	11643.7	9452.1	6804.6	5177.6	4452.4	4399.3
67.5°	1960.6	2105.1	2669.7	4697.0	8362.5	11362.0	8342.7	4746.4	2803.1	2112.5	2081.7
70°	710.4	735.1	916.7	1880.3	5344.4	9053.1	5572.9	1893.9	974.7	783.2	773.4
72.5°	429.9	433.6	471.9	673.3	1856.8	5496.3	1935.9	695.5	481.8	427.5	434.9
75°	273.0	270.6	336.0	411.4	658.5	1854.3	690.6	411.4	334.8	305.1	307.6
77.5°	196.4	202.6	240.9	307.6	415.1	628.8	407.7	294.0	240.9	197.7	201.4
80°	147.0	150.7	175.4	239.7	291.6	391.6	259.4	217.4	181.6	123.5	127.2
82.5°	106.2	106.2	114.9	174.2	177.9	211.3	140.8	153.2	119.8	87.7	87.7
85°	63.0	61.8	71.7	103.8	92.7	77.8	64.2	93.9	75.4	54.4	53.1
87.5°	22.2	23.5	22.2	29.6	24.7	21.0	19.8	25.9	21.0	18.5	17.3
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)