

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: P942623

Luminaire Tested: **GALN-SB6D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50429 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 440.1
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

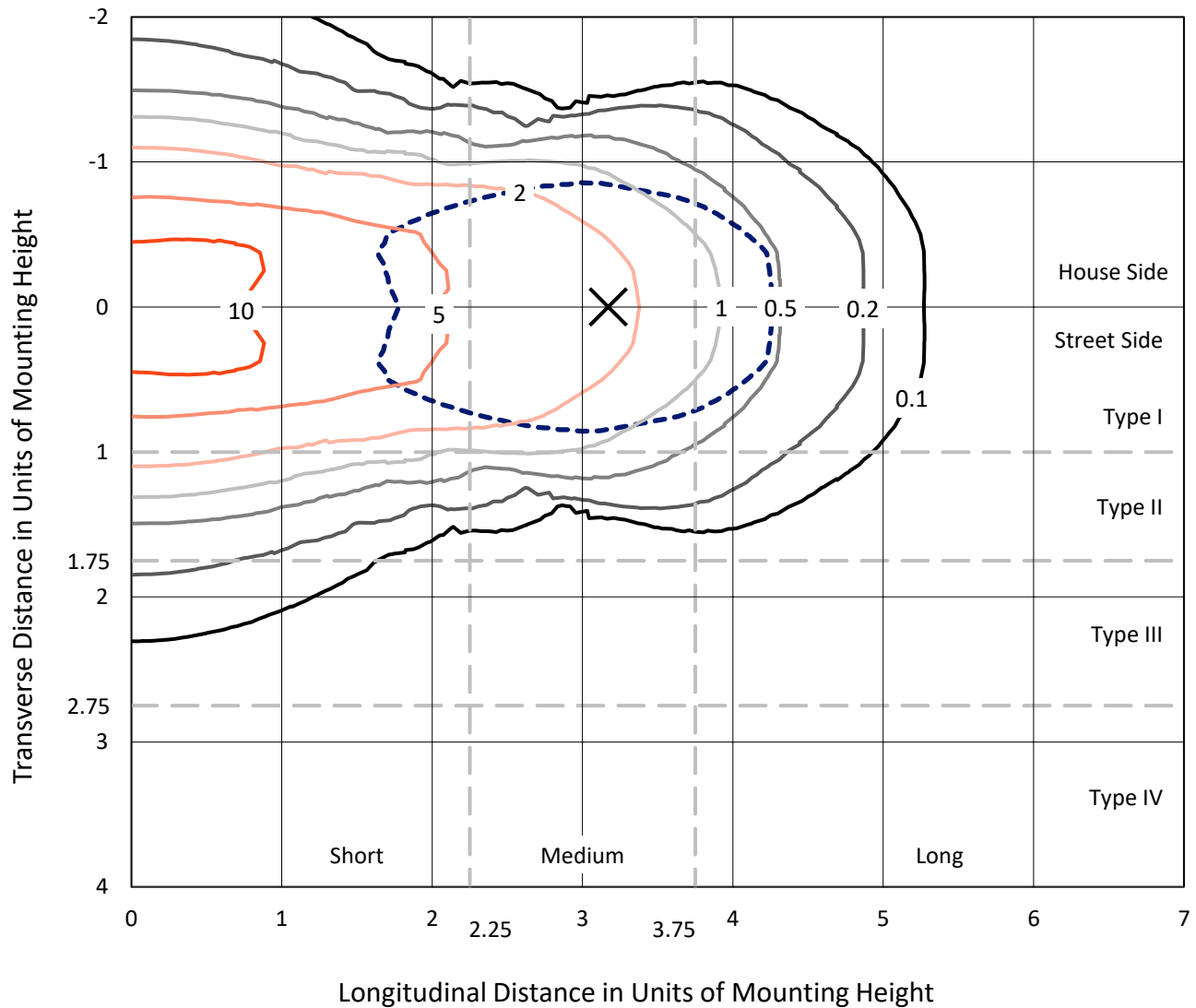


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Iso-Footcandle Lines of Horizontal Illumination

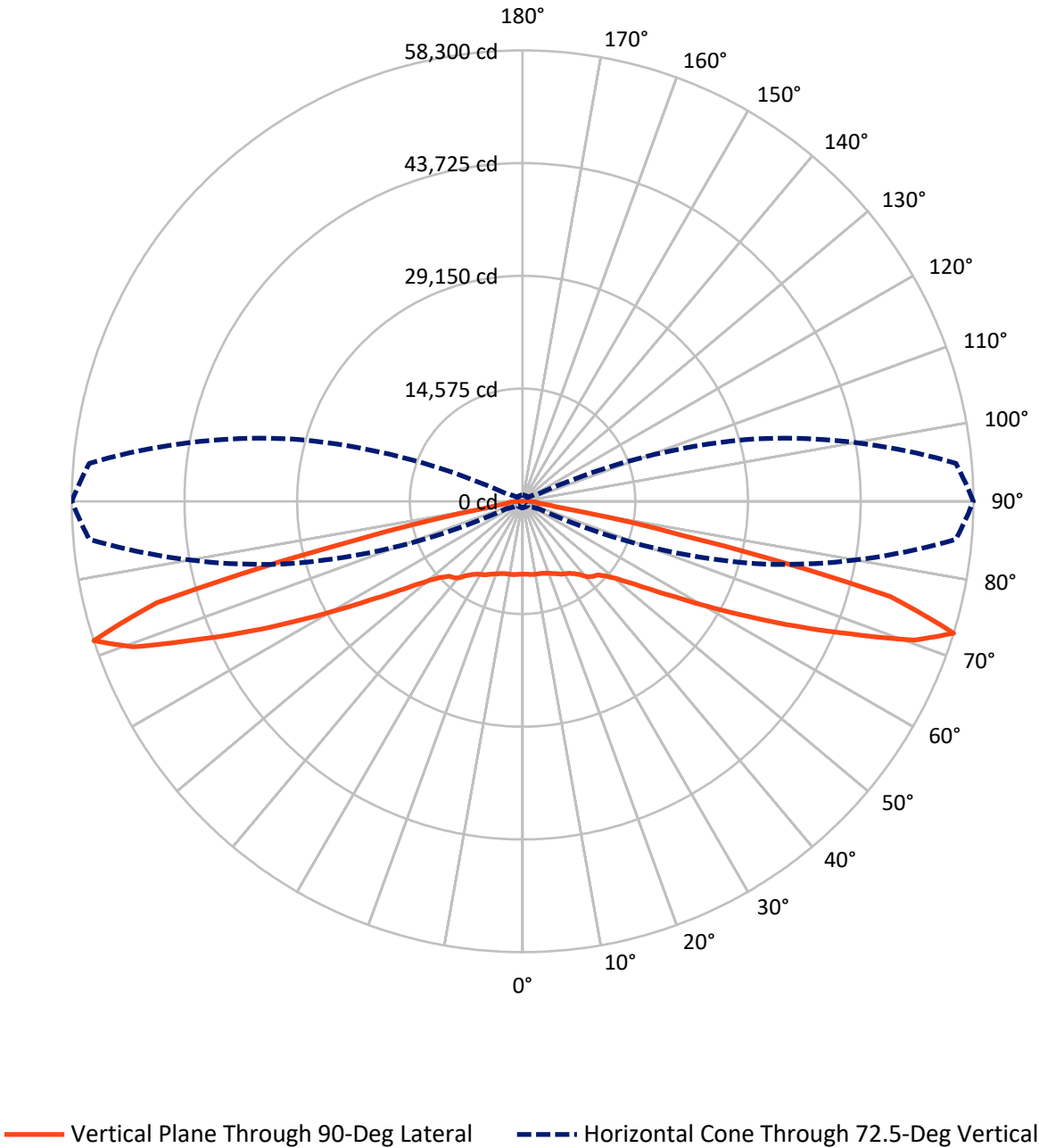
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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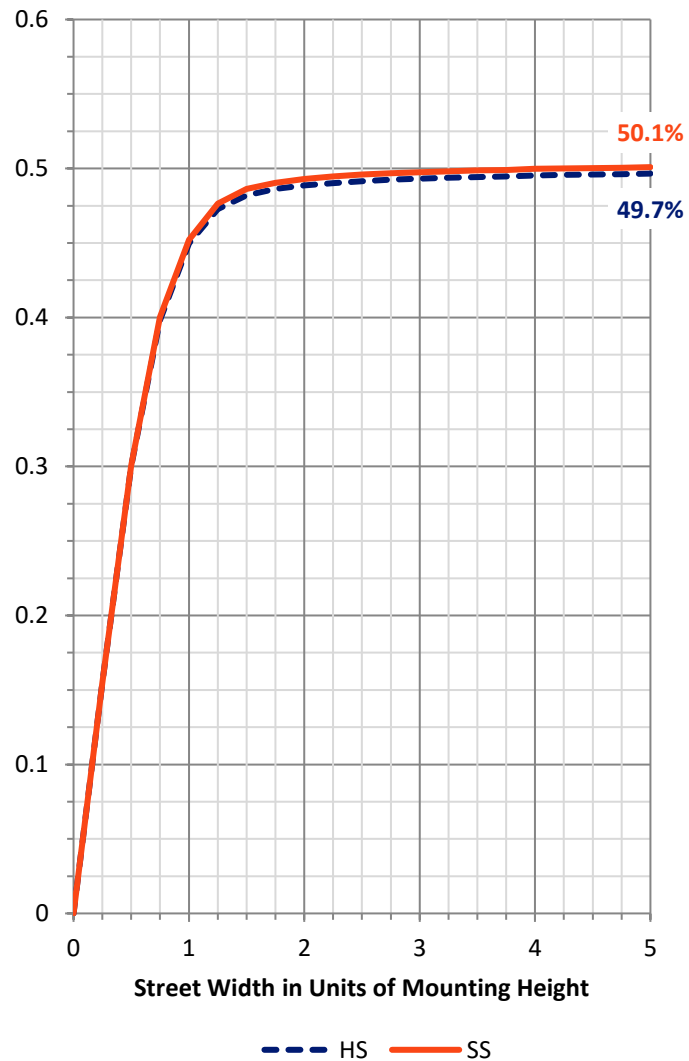
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25214.5	0.0	25214.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25214.5	0.0	25214.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	50429.0	0.0	50429.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.7	1.8
10°-20°	2793.7	5.5
20°-30°	4658.3	9.2
30°-40°	6406.5	12.7
40°-50°	7824.1	15.5
50°-60°	9049.4	17.9
60°-70°	10790.0	21.4
70°-80°	7530.7	14.9
80°-90°	462.5	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°	50429.0	100.0
0°-180°	50429.0	100.0

Coefficient of Utilization



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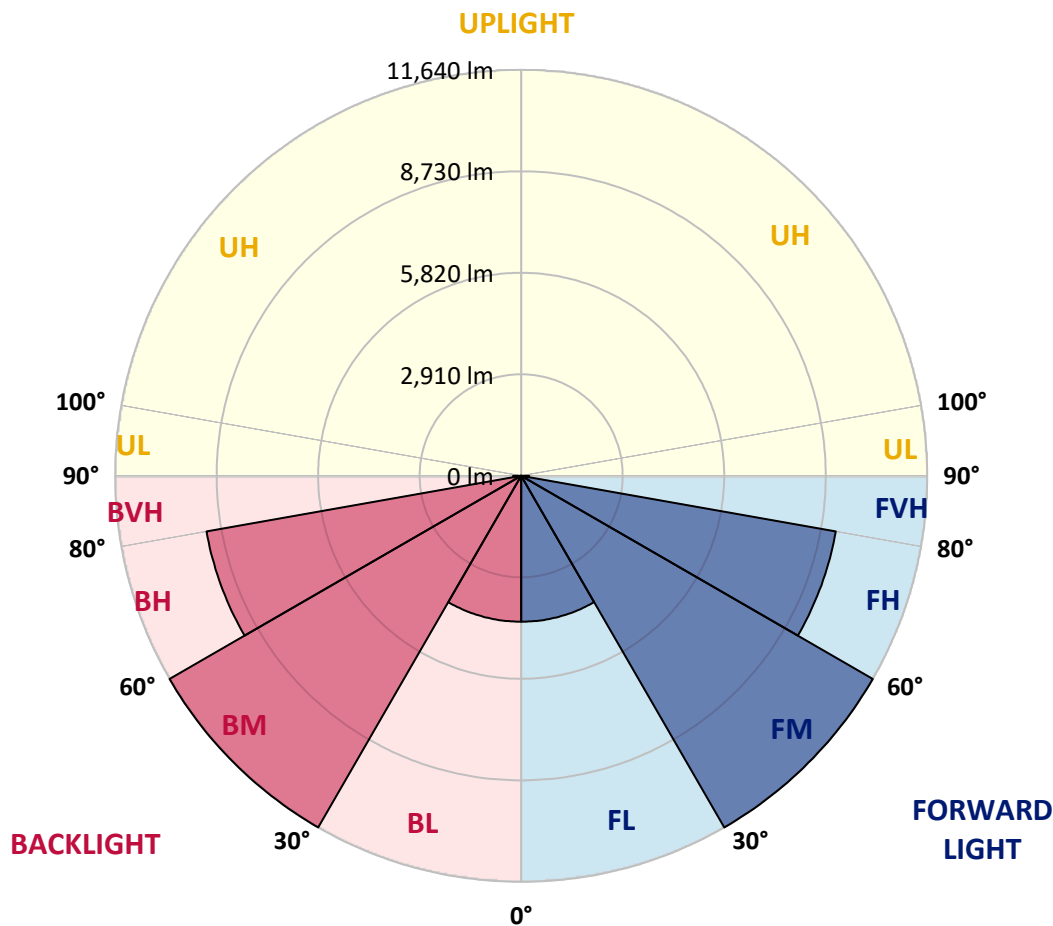
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4182.8	8.3			
FM	(30°-60°)	11640.1	23.1			
FH	(60°-80°)	9160.3	18.2			G4/12000
FVH	(80°-90°)	231.3	0.5			G3/500
BL	(0°-30°)	4182.8	8.3	B4/5000		
BM	(30°-60°)	11640.1	23.1	B5		
BH	(60°-80°)	9160.3	18.2	B5		G5
BVH	(80°-90°)	231.3	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2	9423.2
2.5°	9431.2	9442.0	9442.0	9433.9	9452.7	9436.6	9436.6	9428.6	9436.6	9428.6	9428.6
5°	9479.5	9492.9	9498.2	9495.6	9519.7	9506.3	9506.3	9495.6	9498.2	9490.2	9490.2
7.5°	9570.6	9589.4	9600.1	9613.5	9648.3	9632.2	9621.5	9589.4	9576.0	9554.5	9554.5
10°	9600.1	9621.5	9656.4	9726.0	9806.4	9809.1	9777.0	9696.6	9634.9	9586.7	9578.6
12.5°	9509.0	9538.4	9610.8	9752.8	9932.4	10004.8	9953.8	9819.8	9699.2	9613.5	9600.1
15°	9393.7	9425.9	9535.8	9750.2	10015.5	10184.3	10179.0	10002.1	9809.1	9675.1	9653.7
17.5°	9214.1	9246.3	9404.4	9704.6	10079.8	10358.5	10433.6	10251.3	9980.6	9801.1	9771.6
20°	8889.9	8919.3	9139.1	9559.9	10101.3	10543.5	10739.1	10578.3	10240.6	9996.7	9951.2
22.5°	8469.1	8514.6	8771.9	9310.6	10050.3	10736.4	11087.5	10977.6	10543.5	10205.8	10144.1
25°	8018.8	8067.1	8367.2	9005.1	9919.0	10875.8	11500.3	11430.6	10886.5	10465.7	10380.0
27.5°	7630.2	7681.1	8008.1	8702.2	9715.3	10929.4	11907.6	11942.5	11301.9	10752.5	10661.4
30°	7324.7	7372.9	7721.3	8458.4	9452.7	10875.8	12264.1	12505.3	11725.4	11001.8	10870.4
32.5°	6989.7	7051.3	7418.5	8160.9	9141.8	10747.2	12575.0	13113.7	12215.8	11269.8	11103.6
35°	6566.2	6622.5	7008.4	7753.5	8734.4	10540.8	12834.9	13789.1	12918.0	11677.1	11492.2
37.5°	6051.6	6105.2	6488.5	7244.3	8329.7	10251.3	13033.3	14550.2	13754.2	12264.1	12017.5
40°	5534.4	5585.3	5944.4	6676.1	7844.6	9881.5	13103.0	15295.3	14713.7	13070.8	12808.1
42.5°	5060.0	5105.6	5435.2	6116.0	7300.6	9409.8	13011.8	15943.8	15574.0	13633.6	13295.9
45°	4623.2	4663.4	4955.5	5590.7	6735.1	8836.3	12738.5	16640.7	16597.8	14035.6	13580.0
47.5°	4124.7	4164.9	4467.7	5081.4	6169.6	8163.5	12274.8	17326.8	18020.9	14946.9	14421.6
50°	3516.3	3551.1	3862.0	4494.5	5582.6	7448.0	11631.6	17865.5	19816.6	16327.1	15667.8
52.5°	2795.3	2832.9	3135.7	3768.2	4885.8	6678.8	10784.7	18216.6	21891.0	18342.5	17530.5
55°	2079.7	2106.5	2369.2	2937.4	4022.8	5802.4	9723.4	18315.7	24244.1	21097.7	20081.9
57.5°	1508.9	1525.0	1693.8	2117.3	3049.9	4706.2	8434.2	18058.4	27044.8	24630.0	23351.6
60°	1222.1	1227.5	1278.4	1466.0	2119.9	3468.0	6877.1	17174.0	30084.0	29183.5	27572.7
62.5°	1109.6	1109.6	1123.0	1173.9	1433.8	2288.8	4993.0	15340.8	33343.0	34937.6	32780.2
65°	1031.8	1031.8	1037.2	1061.3	1131.0	1458.0	3151.8	12355.2	36090.1	41678.1	38949.7
67.5°	962.2	964.8	962.2	970.2	1010.4	1077.4	1827.8	8533.4	37569.5	48662.4	45716.9
70°	889.8	895.1	881.7	881.7	913.9	916.6	1144.4	4679.4	36342.0	54515.7	53741.1
72.5°	804.0	812.1	790.6	785.3	809.4	798.7	860.3	2245.9	31201.6	56263.1	58300.0
75°	729.0	739.7	691.5	678.1	678.1	670.0	699.5	1152.4	20250.7	45896.5	49091.2
77.5°	662.0	683.4	605.7	562.8	552.1	528.0	570.9	704.9	8857.7	21547.9	21100.3
80°	546.7	576.2	498.5	447.6	428.8	402.0	450.3	493.1	2634.5	5003.7	4792.0
82.5°	407.4	420.8	353.8	318.9	302.8	284.1	337.7	343.1	857.6	1771.5	2002.0
85°	260.0	265.3	217.1	187.6	179.6	171.5	214.4	187.6	327.0	1302.5	1892.1
87.5°	91.1	104.5	83.1	75.0	80.4	67.0	99.2	56.3	91.1	919.3	1139.0
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)