

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: P952327

Luminaire Tested: **GALN-SB6B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952327
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-SB6B-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29541 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 220.4
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



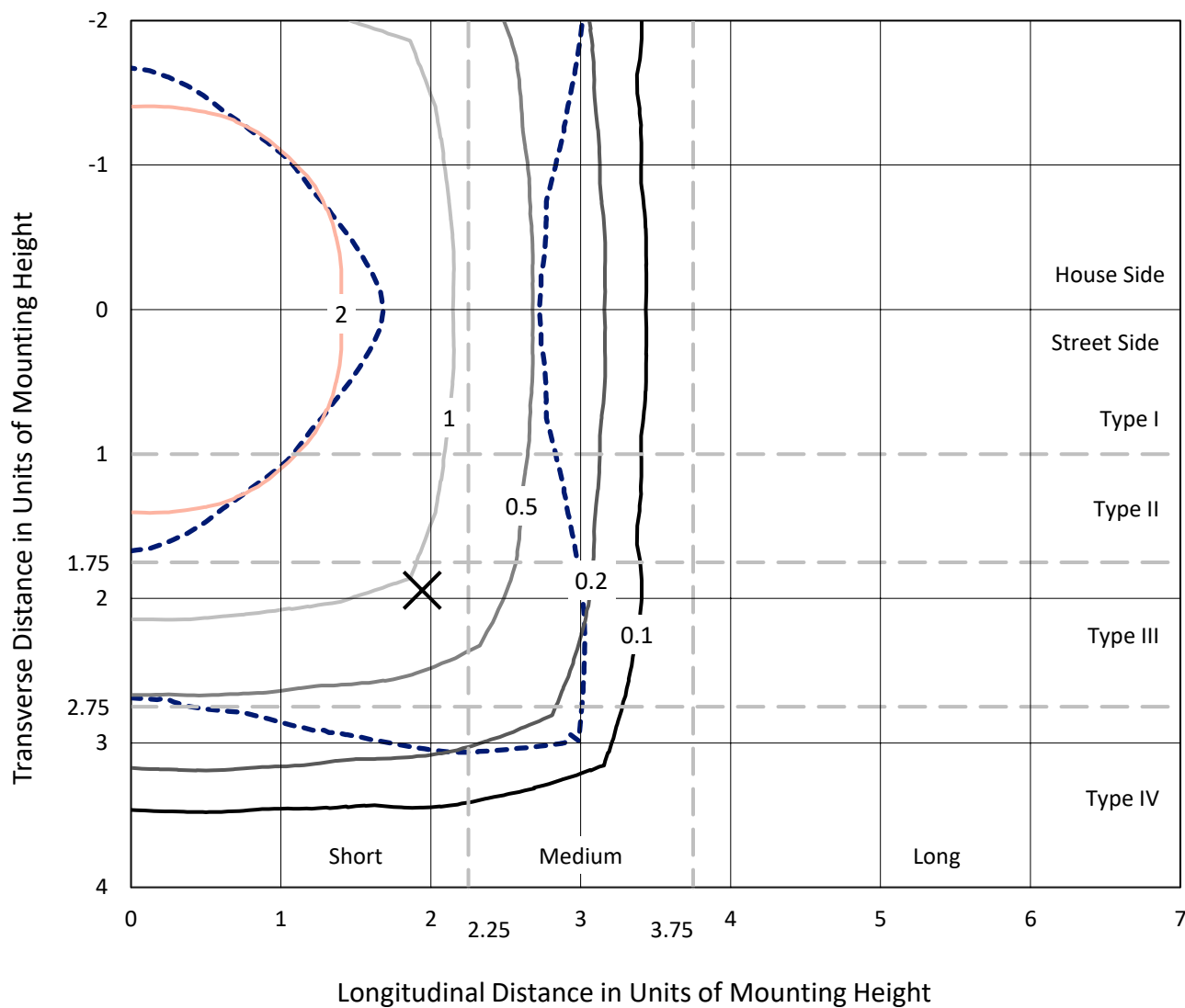
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Iso-Footcandle Lines of Horizontal Illumination

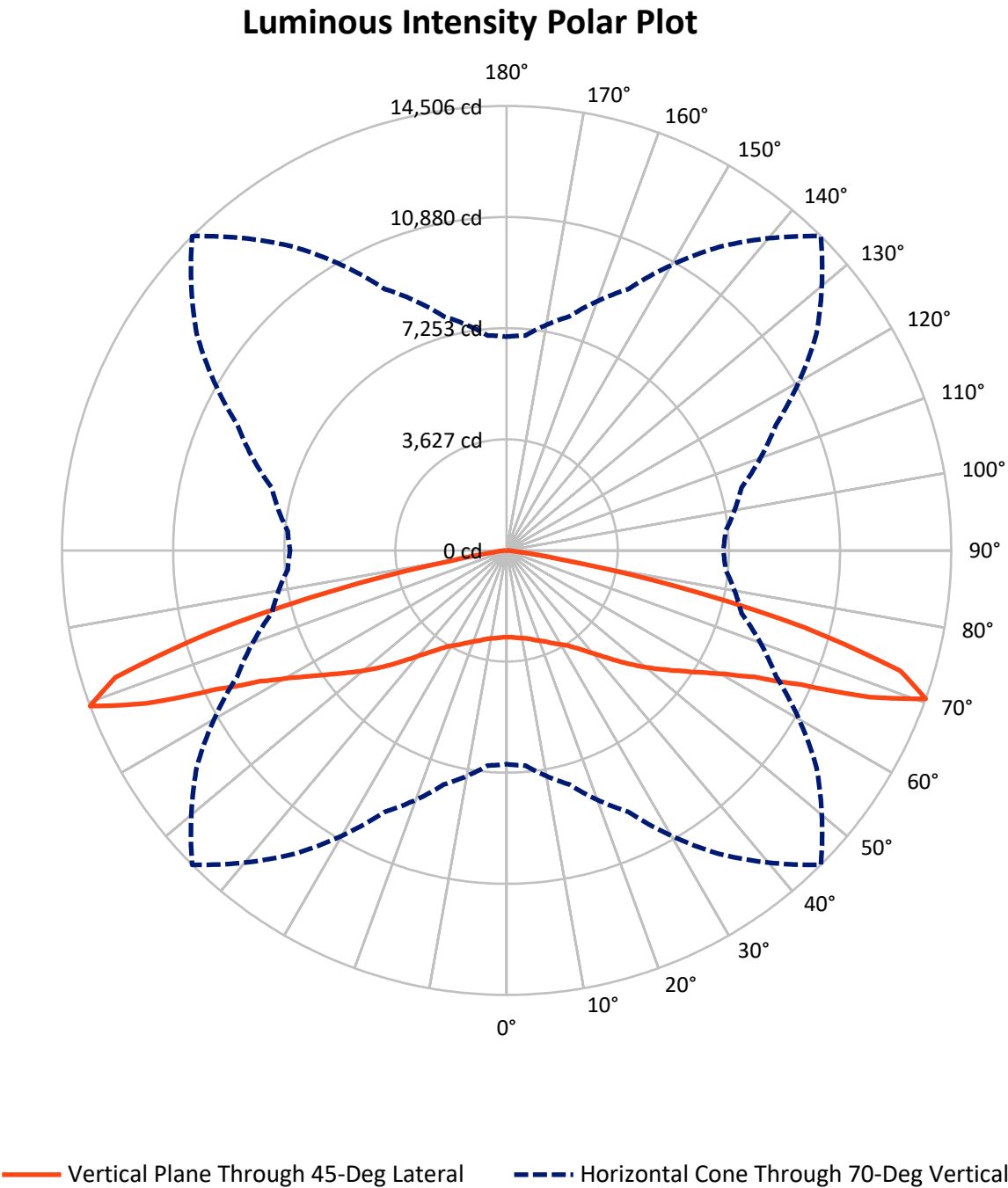
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14770.5	0.0	14770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14770.5	0.0	14770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29541.0	0.0	29541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.9	0.9
10°-20°	852.5	2.9
20°-30°	1523.4	5.2
30°-40°	2469.5	8.4
40°-50°	4022.4	13.6
50°-60°	6132.8	20.8
60°-70°	9123.6	30.9
70°-80°	4972.7	16.8
80°-90°	169.3	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°	29541.0	100.0
0°-180°	29541.0	100.0

Coefficient of Utilization



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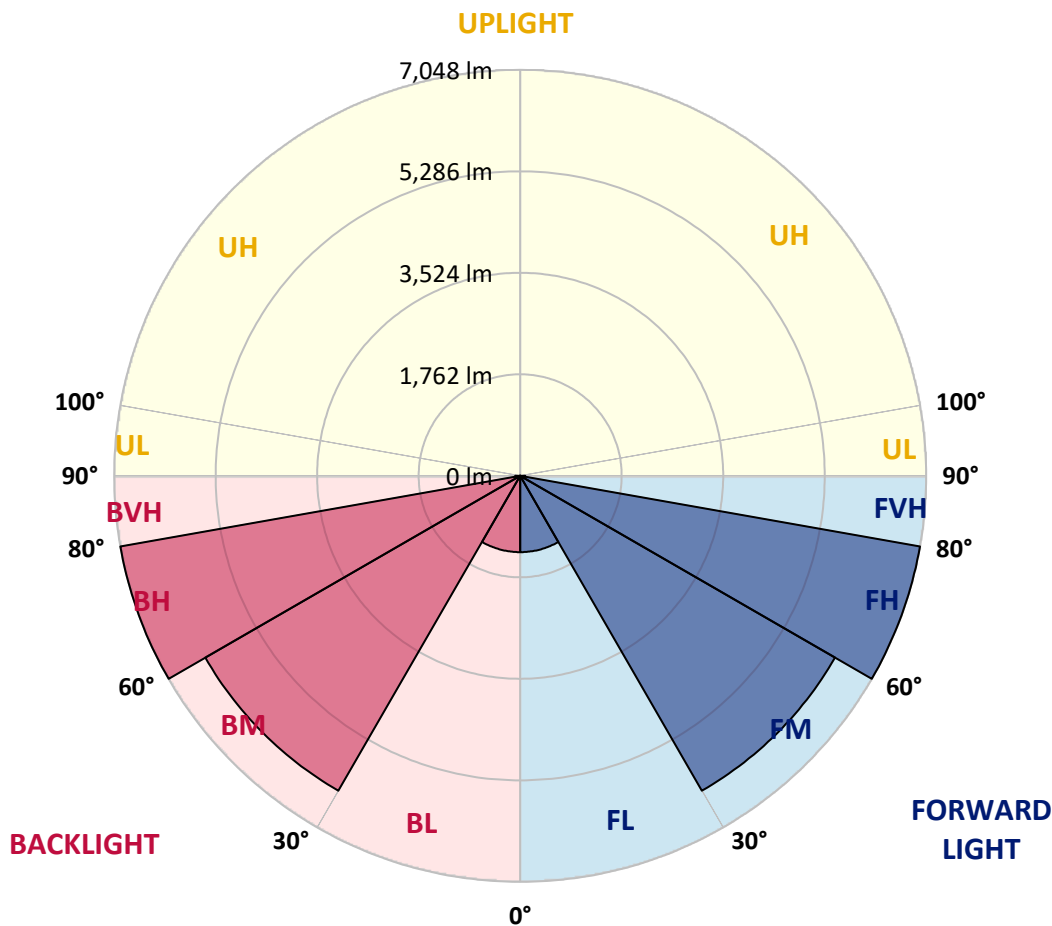
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1325.4	4.5			
FM	(30°-60°)	6312.3	21.4			
FH	(60°-80°)	7048.1	23.9			G3/7500
FVH	(80°-90°)	84.7	0.3			G1/100
BL	(0°-30°)	1325.4	4.5	B3/2500		
BM	(30°-60°)	6312.3	21.4	B4/8500		
BH	(60°-80°)	7048.1	23.9	B5		G3/7500
BVH	(80°-90°)	84.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7	2829.7
2.5°	2843.1	2846.0	2840.1	2837.1	2834.2	2829.7	2831.2	2838.6	2844.6	2843.1	2844.6
5°	2866.8	2869.8	2865.3	2863.8	2857.9	2856.4	2856.4	2863.8	2868.3	2865.3	2866.8
7.5°	2893.5	2897.9	2890.5	2889.0	2886.1	2883.1	2881.6	2889.0	2893.5	2893.5	2893.5
10°	2918.7	2923.2	2917.2	2912.8	2909.8	2909.8	2906.8	2912.8	2920.2	2918.7	2918.7
12.5°	2945.4	2948.4	2942.4	2939.5	2939.5	2943.9	2939.5	2942.4	2948.4	2945.4	2943.9
15°	2978.0	2979.5	2978.0	2982.5	2989.9	3004.7	2991.4	2988.4	2991.4	2984.0	2984.0
17.5°	3022.5	3025.5	3031.4	3041.8	3052.2	3078.9	3055.2	3047.7	3047.7	3032.9	3032.9
20°	3077.4	3081.8	3090.7	3108.5	3121.9	3147.1	3123.4	3113.0	3108.5	3089.3	3089.3
22.5°	3135.2	3142.7	3156.0	3179.7	3203.5	3227.2	3203.5	3185.7	3172.3	3147.1	3145.6
25°	3202.0	3210.9	3231.6	3270.2	3302.8	3336.9	3308.8	3273.2	3246.5	3210.9	3209.4
27.5°	3296.9	3307.3	3332.5	3379.9	3421.5	3451.1	3424.4	3378.5	3341.4	3298.4	3296.9
30°	3430.4	3440.8	3470.4	3520.8	3549.0	3568.3	3550.5	3514.9	3470.4	3421.5	3421.5
32.5°	3602.4	3615.8	3648.4	3695.8	3701.8	3704.7	3698.8	3681.0	3648.4	3589.1	3590.5
35°	3820.4	3835.3	3872.3	3910.9	3905.0	3910.9	3902.0	3896.1	3872.3	3804.1	3804.1
37.5°	4087.4	4105.2	4143.7	4173.4	4158.6	4151.1	4152.6	4154.1	4140.8	4065.1	4065.1
40°	4397.3	4421.1	4449.2	4480.4	4455.2	4432.9	4447.8	4459.6	4447.8	4370.6	4370.6
42.5°	4716.2	4750.3	4780.0	4824.5	4803.7	4775.5	4796.3	4809.6	4784.4	4701.4	4707.3
45°	5070.7	5103.3	5141.8	5208.6	5193.8	5164.1	5193.8	5196.7	5153.7	5055.8	5066.2
47.5°	5437.0	5471.1	5528.9	5617.9	5612.0	5579.4	5617.9	5597.2	5542.3	5425.1	5417.7
50°	5784.0	5831.5	5920.5	6045.0	6056.9	6016.9	6068.8	6028.7	5936.8	5790.0	5787.0
52.5°	6110.3	6160.7	6301.6	6470.7	6513.7	6461.8	6531.5	6461.8	6323.9	6135.5	6117.7
55°	6452.9	6509.3	6676.8	6897.8	6983.8	6945.3	7010.5	6905.2	6709.5	6481.1	6449.9
57.5°	6856.3	6890.4	7090.6	7353.1	7498.5	7507.4	7537.0	7359.1	7121.8	6862.2	6826.6
60°	7293.8	7341.3	7559.3	7873.7	8103.6	8177.7	8146.6	7882.6	7606.7	7308.6	7261.2
62.5°	7854.4	7906.3	8167.3	8544.0	8907.4	9091.3	8969.7	8587.0	8245.9	7888.5	7826.2
65°	8318.6	8376.5	8848.1	9519.9	10181.4	10550.7	10245.1	9540.7	8926.7	8422.4	8339.4
67.5°	7982.0	8053.1	8793.2	10027.1	11671.9	12773.8	11728.2	10178.4	8975.6	8291.9	8189.6
70°	6976.4	7043.2	7906.3	9414.6	12091.6	14506.0	12343.7	9691.9	7934.5	7169.2	7066.9
72.5°	4631.7	4846.7	5720.3	7529.6	10796.8	13423.4	10903.6	7376.9	5306.5	4621.3	4471.5
75°	1536.5	1708.5	2304.7	3903.5	7231.5	10039.0	6884.5	3454.1	1825.7	1314.0	1242.8
77.5°	387.1	446.4	615.5	1116.8	2884.6	5715.8	2596.9	912.1	496.8	347.0	310.0
80°	188.4	207.6	296.6	372.3	722.3	1816.8	677.8	350.0	234.3	180.9	166.1
82.5°	103.8	105.3	167.6	210.6	268.4	470.1	278.8	204.7	135.0	109.7	109.7
85°	63.8	62.3	89.0	112.7	112.7	167.6	133.5	112.7	77.1	68.2	71.2
87.5°	25.2	25.2	32.6	35.6	31.1	43.0	34.1	37.1	29.7	28.2	29.7
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)