

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: P951971

Luminaire Tested: **GALN-SB6A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951971
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-SB6A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23547 lumens
Efficiency: N/A
Efficacy: 137.8 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): 170.9
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

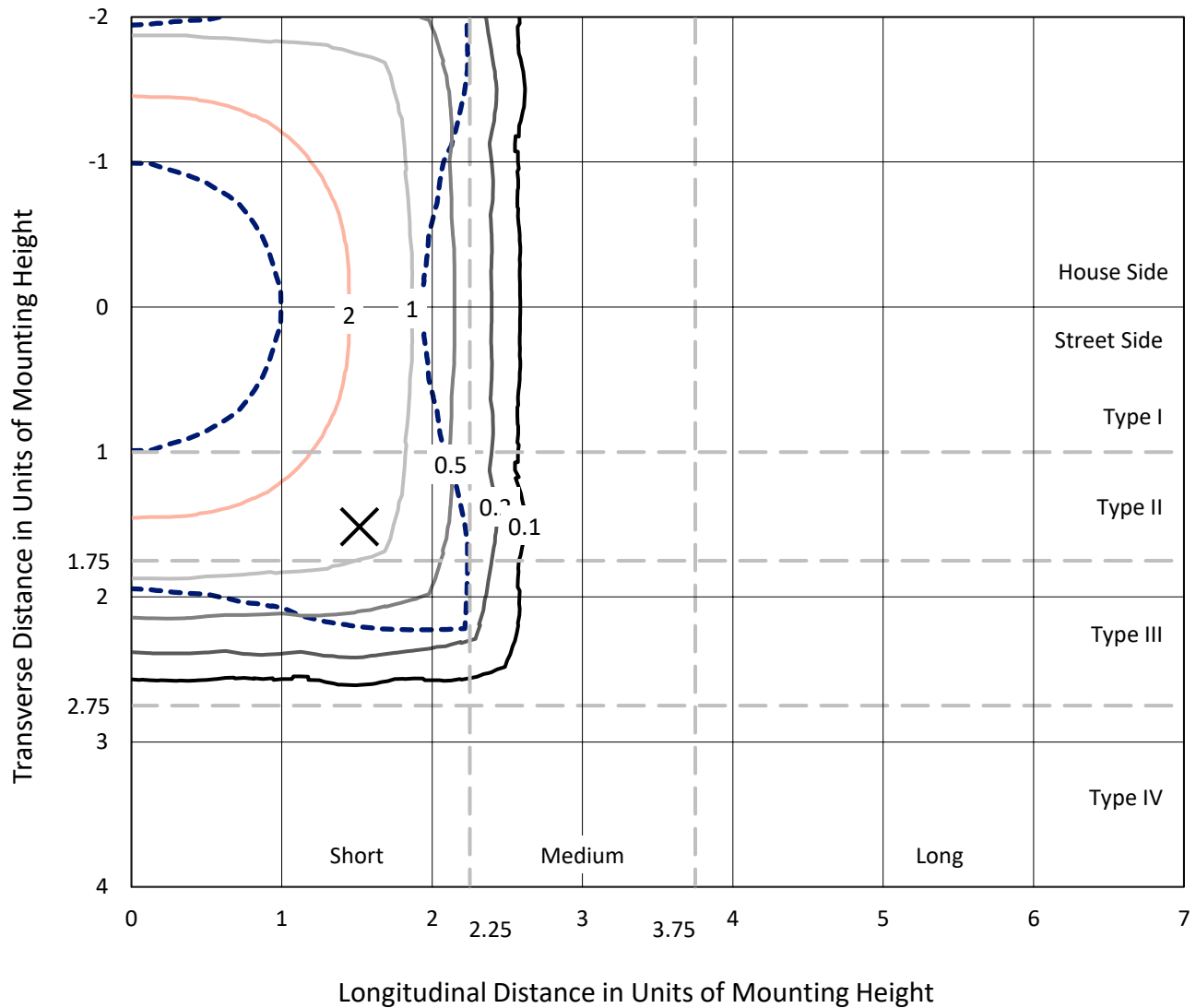


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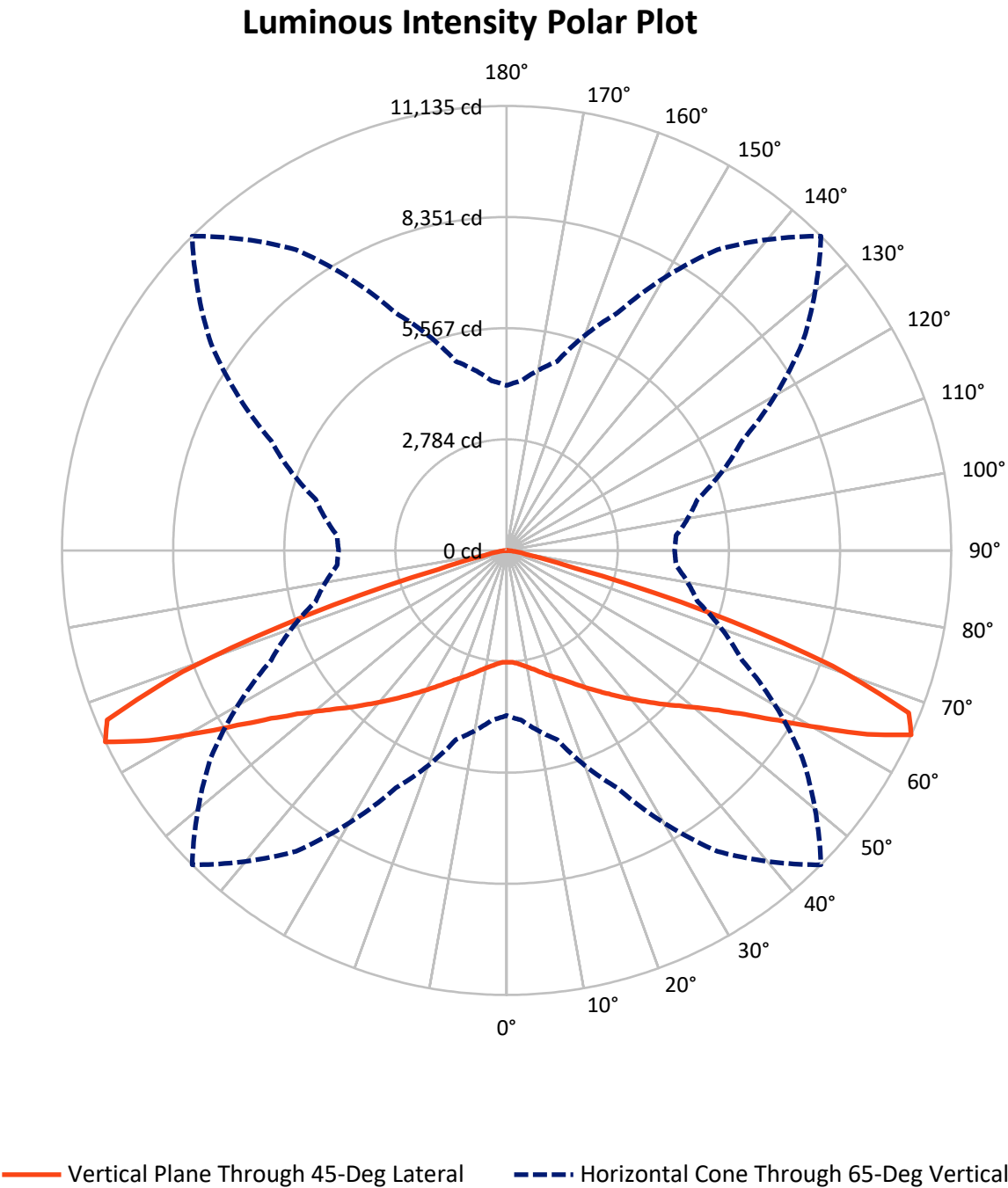
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11773.5	0.0	11773.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11773.5	0.0	11773.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23547.0	0.0	23547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.6	1.2
10°-20°	902.4	3.8
20°-30°	1703.9	7.2
30°-40°	2790.1	11.8
40°-50°	4326.1	18.4
50°-60°	6390.5	27.1
60°-70°	6083.2	25.8
70°-80°	981.6	4.2
80°-90°	92.5	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°	23547.0	100.0
0°-180°	23547.0	100.0

Coefficient of Utilization



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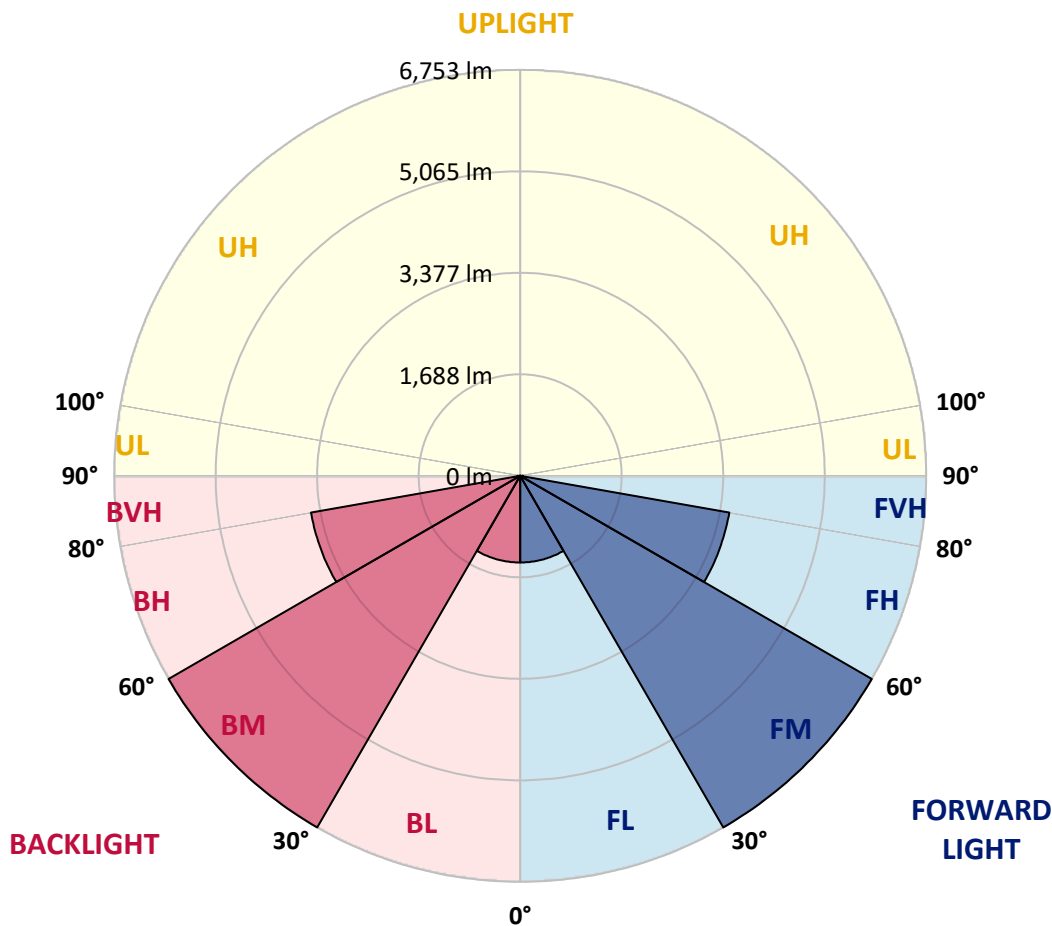
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.5	6.1			
FM	(30°-60°)	6753.4	28.7			
FH	(60°-80°)	3532.4	15.0			G2/5000
FVH	(80°-90°)	46.3	0.2			G1/100
BL	(0°-30°)	1441.5	6.1	B3/2500		
BM	(30°-60°)	6753.4	28.7	B4/8500		
BH	(60°-80°)	3532.4	15.0	B4/5000		G2/5000
BVH	(80°-90°)	46.3	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°	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3	2802.3
2.5°	2821.2	2811.8	2818.9	2813.0	2808.2	2803.5	2805.9	2814.1	2817.7	2818.9	2818.9
5°	2859.0	2850.8	2854.3	2854.3	2846.0	2843.7	2844.9	2850.8	2857.9	2857.9	2857.9
7.5°	2920.5	2912.2	2920.5	2915.7	2908.7	2906.3	2905.1	2909.8	2920.5	2920.5	2916.9
10°	2994.9	2985.4	2990.2	2987.8	2979.5	2976.0	2974.8	2981.9	2991.4	2990.2	2987.8
12.5°	3076.4	3065.8	3071.7	3064.6	3062.2	3058.7	3058.7	3057.5	3063.4	3058.7	3061.1
15°	3167.4	3160.3	3162.7	3157.9	3161.5	3159.1	3149.7	3144.9	3147.3	3140.2	3141.4
17.5°	3274.9	3258.4	3266.6	3264.3	3264.3	3269.0	3253.6	3247.7	3252.4	3245.4	3251.3
20°	3398.9	3382.4	3386.0	3381.2	3375.3	3380.0	3361.1	3365.9	3369.4	3364.7	3375.3
22.5°	3534.8	3513.5	3512.4	3514.7	3501.7	3502.9	3489.9	3501.7	3508.8	3495.8	3508.8
25°	3674.2	3651.8	3667.1	3661.2	3644.7	3648.2	3638.8	3650.6	3656.5	3640.0	3658.9
27.5°	3821.9	3806.5	3820.7	3824.3	3804.2	3818.3	3804.2	3814.8	3820.7	3795.9	3814.8
30°	3994.4	3979.0	3992.0	4001.5	3977.8	4000.3	3988.5	3995.6	3996.7	3967.2	3984.9
32.5°	4182.2	4158.6	4191.7	4196.4	4170.4	4197.6	4182.2	4191.7	4197.6	4157.4	4184.6
35°	4411.4	4381.9	4419.7	4413.8	4391.3	4413.8	4399.6	4413.8	4428.0	4379.5	4409.1
37.5°	4658.3	4627.6	4667.8	4657.2	4635.9	4651.3	4643.0	4652.4	4674.9	4622.9	4654.8
40°	4930.1	4892.3	4946.6	4927.7	4907.6	4905.3	4910.0	4915.9	4945.4	4887.5	4906.4
42.5°	5220.7	5180.5	5262.0	5232.5	5204.2	5185.3	5200.6	5212.4	5240.8	5175.8	5210.1
45°	5552.7	5506.6	5612.9	5577.5	5532.6	5493.6	5518.4	5536.1	5577.5	5499.5	5539.7
47.5°	5918.9	5866.9	5980.3	5969.7	5896.5	5811.4	5868.1	5918.9	5949.6	5855.1	5887.0
50°	6276.9	6236.7	6385.6	6398.6	6308.8	6189.5	6268.6	6345.4	6353.7	6229.6	6245.0
52.5°	6612.4	6572.2	6788.4	6870.0	6789.6	6647.9	6731.7	6809.7	6747.1	6586.4	6591.1
55°	6880.6	6847.5	7122.8	7333.1	7360.2	7243.3	7292.9	7290.5	7085.0	6838.1	6846.3
57.5°	6945.6	6940.8	7288.2	7733.6	8017.1	8031.3	7933.2	7682.8	7239.7	6907.8	6886.5
60°	6650.2	6679.7	7157.0	7942.7	8698.8	9013.1	8588.9	7874.2	7063.7	6603.0	6548.6
62.5°	5766.5	5844.5	6419.8	7687.5	9249.3	10142.5	9114.7	7583.5	6340.7	5739.3	5703.9
65°	4132.6	4268.5	4904.1	6560.4	9199.7	11134.9	9039.0	6507.3	4951.3	4257.8	4207.0
67.5°	1874.9	2013.1	2553.0	4491.8	7997.0	10865.5	7978.1	4539.0	2680.6	2020.2	1990.7
70°	679.3	702.9	876.6	1798.1	5110.8	8657.4	5329.4	1811.1	932.1	749.0	739.6
72.5°	411.1	414.7	451.3	643.9	1775.7	5256.1	1851.3	665.1	460.8	408.8	415.9
75°	261.1	258.7	321.3	393.4	629.7	1773.3	660.4	393.4	320.2	291.8	294.2
77.5°	187.8	193.8	230.4	294.2	397.0	601.3	389.9	281.2	230.4	189.0	192.6
80°	140.6	144.1	167.8	229.2	278.8	374.5	248.1	207.9	173.7	118.1	121.7
82.5°	101.6	101.6	109.9	166.6	170.1	202.0	134.7	146.5	114.6	83.9	83.9
85°	60.3	59.1	68.5	99.2	88.6	74.4	61.4	89.8	72.1	52.0	50.8
87.5°	21.3	22.4	21.3	28.4	23.6	20.1	18.9	24.8	20.1	17.7	16.5
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)