

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: P952688

Luminaire Tested: **GALN-SB6C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952688
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-SB6C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 38632 lumens
Efficiency: N/A
Efficacy: 128.4 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): 300.9
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

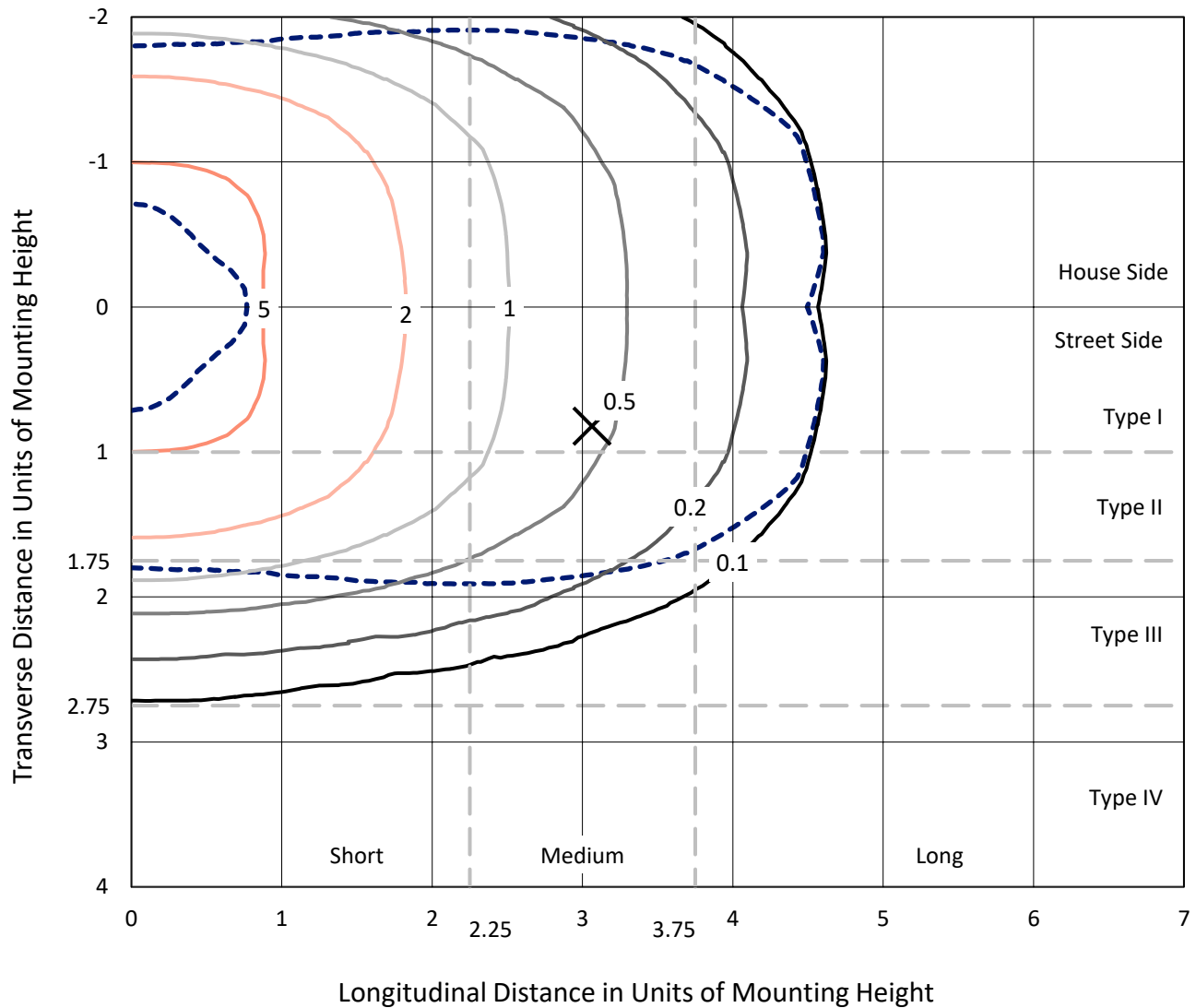


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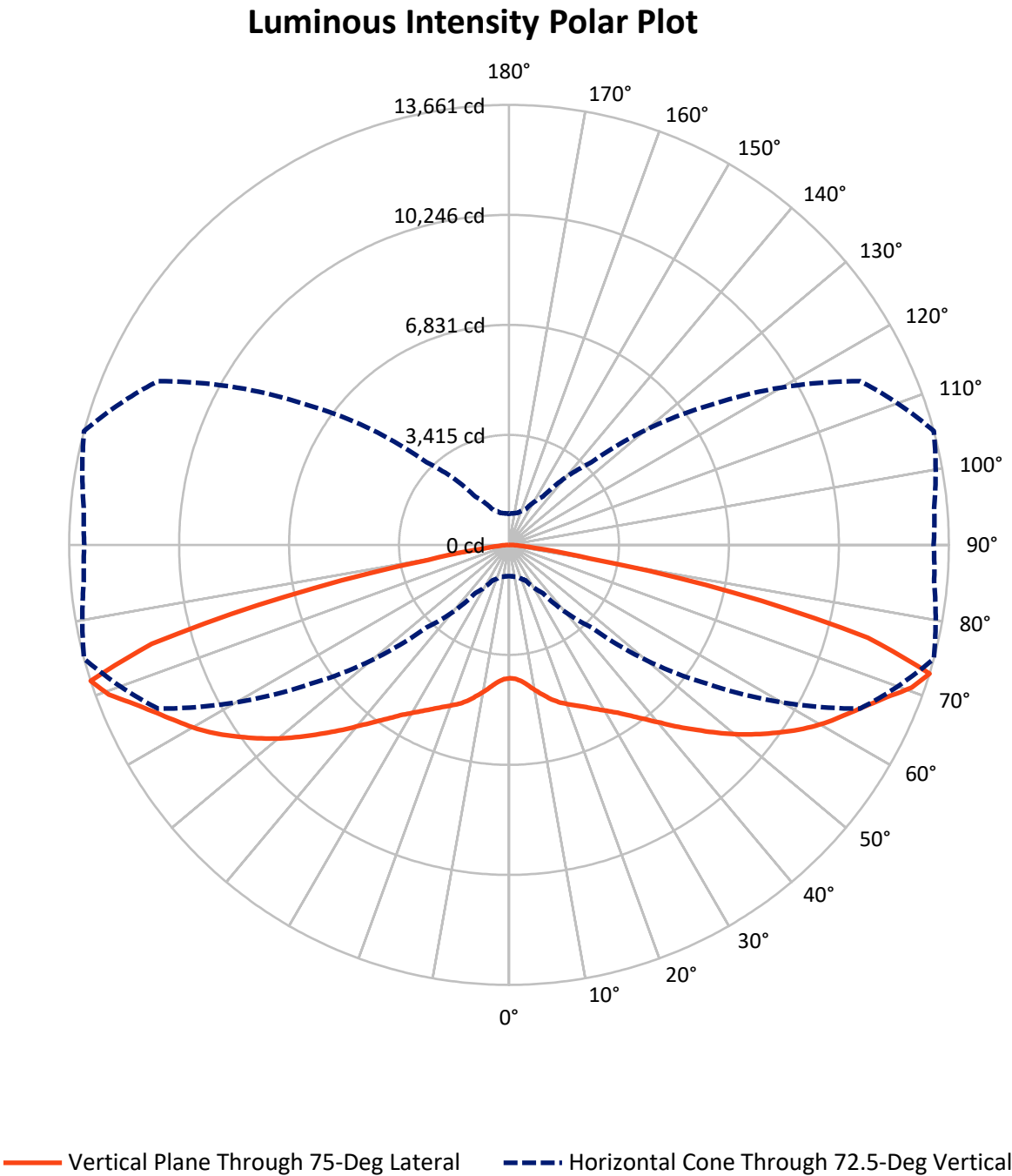
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19316.0	0.0	19316.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19316.0	0.0	19316.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38632.0	0.0	38632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.4	1.0
10°-20°	1337.0	3.5
20°-30°	2583.5	6.7
30°-40°	4362.3	11.3
40°-50°	6918.2	17.9
50°-60°	9262.6	24.0
60°-70°	8815.0	22.8
70°-80°	4599.8	11.9
80°-90°	348.2	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°	38632.0	100.0
0°-180°	38632.0	100.0

Coefficient of Utilization



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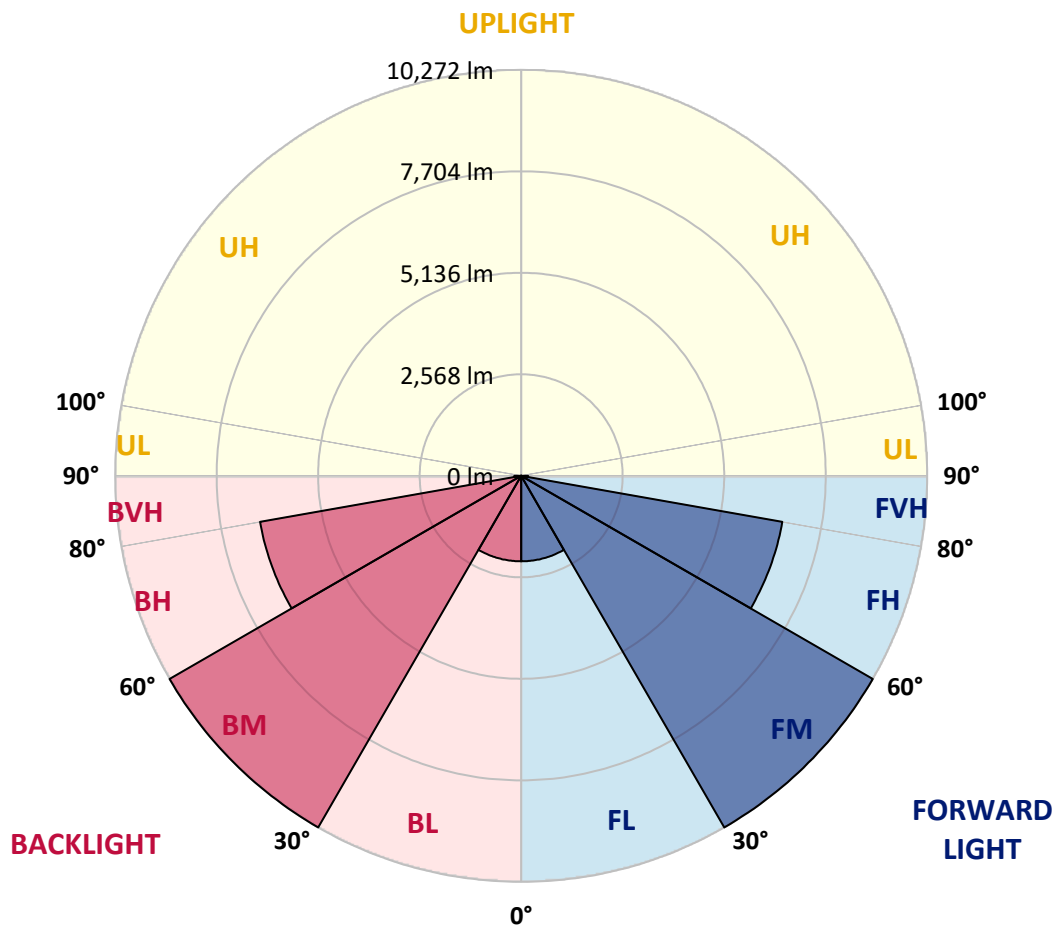
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2162.9	5.6			
FM	(30°-60°)	10271.6	26.6			
FH	(60°-80°)	6707.4	17.4			G3/7500
FVH	(80°-90°)	174.1	0.5			G2/225
BL	(0°-30°)	2162.9	5.6	B3/2500		
BM	(30°-60°)	10271.6	26.6	B5		
BH	(60°-80°)	6707.4	17.4	B5		G5
BVH	(80°-90°)	174.1	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°	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2	4138.2
2.5°	4138.2	4134.2	4138.2	4142.1	4140.2	4140.2	4150.0	4155.9	4167.8	4165.8	4163.8
5°	4110.6	4108.6	4124.4	4142.1	4155.9	4179.6	4209.2	4230.9	4258.5	4264.4	4264.4
7.5°	4096.8	4090.8	4118.5	4150.0	4193.4	4252.6	4309.8	4369.0	4416.3	4432.1	4436.0
10°	4106.6	4108.6	4146.1	4205.2	4274.3	4357.1	4438.0	4538.6	4605.6	4621.4	4637.2
12.5°	4152.0	4148.0	4211.2	4305.8	4400.5	4505.1	4599.7	4710.2	4783.2	4820.6	4836.4
15°	4234.8	4226.9	4315.7	4455.7	4593.8	4716.1	4793.0	4897.6	4982.4	5029.7	5047.5
17.5°	4333.5	4337.4	4453.8	4635.2	4816.7	4954.8	5027.7	5081.0	5146.1	5187.5	5207.2
20°	4507.0	4514.9	4645.1	4860.1	5067.2	5225.0	5284.2	5264.4	5282.2	5313.8	5337.4
22.5°	4739.8	4743.7	4889.7	5122.4	5339.4	5513.0	5552.4	5471.5	5422.2	5443.9	5459.7
25°	5010.0	5035.6	5181.6	5420.3	5643.2	5808.8	5826.6	5704.3	5582.0	5587.9	5597.8
27.5°	5339.4	5363.1	5511.0	5747.7	5974.5	6118.5	6116.5	5952.8	5773.3	5728.0	5741.8
30°	5696.4	5722.0	5873.9	6118.5	6329.6	6455.8	6428.2	6232.9	5976.5	5891.7	5901.5
32.5°	6120.5	6136.3	6290.1	6534.7	6730.0	6830.6	6773.4	6532.7	6213.2	6116.5	6140.2
35°	6633.3	6657.0	6771.4	7002.2	7173.8	7256.6	7160.0	6875.9	6516.9	6408.5	6424.2
37.5°	7219.1	7203.4	7333.5	7538.7	7680.7	7732.0	7599.8	7262.5	6864.1	6735.9	6759.6
40°	7830.6	7822.7	7964.7	8162.0	8238.9	8270.4	8075.2	7706.3	7264.5	7126.4	7171.8
42.5°	8384.8	8378.9	8570.3	8789.2	8881.9	8846.4	8599.8	8177.7	7728.0	7570.2	7609.7
45°	8828.6	8820.8	9055.5	9363.2	9544.6	9485.5	9154.1	8698.5	8197.5	8033.7	8071.2
47.5°	9169.9	9173.8	9426.3	9807.0	10124.5	10146.2	9720.2	9229.0	8714.2	8528.8	8584.1
50°	9416.4	9428.3	9698.5	10120.6	10554.5	10745.9	10298.1	9773.4	9248.8	9039.7	9102.8
52.5°	9477.6	9499.3	9824.7	10319.8	10830.7	11195.6	10885.9	10296.1	9755.7	9556.5	9607.8
55°	9152.1	9195.5	9607.8	10304.0	11000.3	11491.4	11402.7	10826.7	10266.5	10061.4	10118.6
57.5°	8404.6	8465.7	8947.0	9856.3	10962.8	11694.6	11803.1	11335.6	10777.4	10580.2	10625.5
60°	7357.2	7430.2	7891.7	8883.9	10434.2	11769.5	12085.1	11830.7	11246.9	11055.5	11096.9
62.5°	5777.3	5872.0	6424.2	7588.0	9317.8	11420.4	12325.8	12278.4	11669.0	11430.3	11457.9
65°	3706.2	3806.8	4388.7	5763.5	7828.6	10351.4	12400.7	12714.3	12114.7	11781.4	11822.8
67.5°	2234.8	2280.1	2568.1	3493.2	5722.0	8739.9	11765.6	13197.6	12635.4	12221.2	12252.8
70°	1430.0	1455.7	1627.3	2051.3	3234.8	6376.9	10191.6	13288.3	13266.6	12672.9	12669.0
72.5°	970.4	978.3	1023.7	1215.0	1830.4	3623.4	7517.0	12029.9	13661.1	13254.8	13191.7
75°	710.1	753.5	826.5	860.0	1039.5	1810.7	4307.8	8451.9	11513.1	11690.7	11260.7
77.5°	528.6	530.6	631.2	670.6	741.6	964.5	1822.5	4718.1	7148.1	7505.1	6694.5
80°	447.7	424.1	422.1	540.4	558.2	601.6	814.6	1629.2	2560.2	1552.3	1173.6
82.5°	372.8	347.1	313.6	422.1	380.7	368.8	353.1	662.7	814.6	400.4	341.2
85°	260.4	248.5	236.7	276.1	217.0	185.4	169.6	309.7	343.2	169.6	149.9
87.5°	112.4	116.4	118.3	122.3	90.7	65.1	65.1	86.8	86.8	67.1	49.3
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)