

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: P951256

Luminaire Tested: **GALN-SB5C-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951256
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-SB5C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

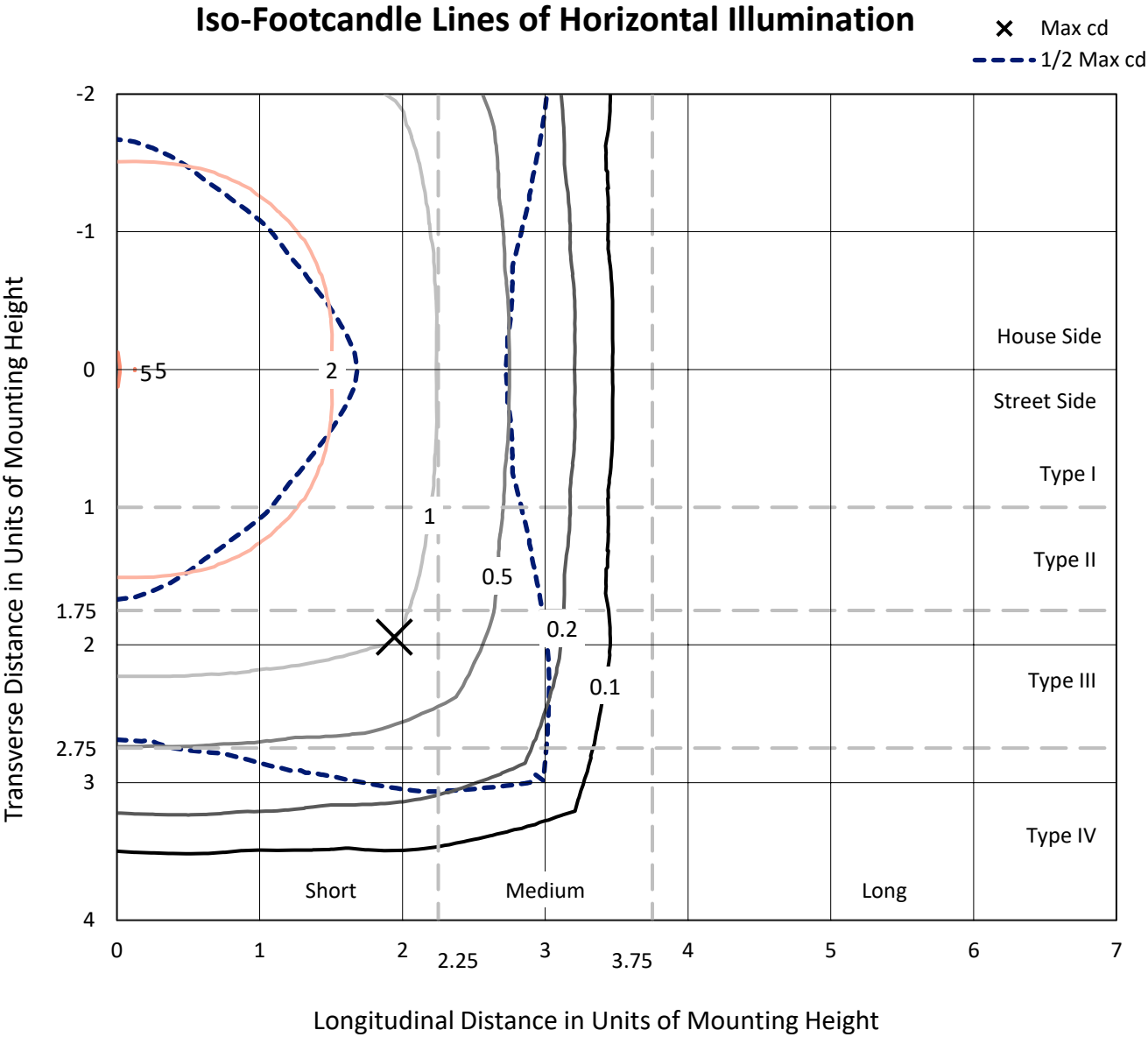
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32728 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 249.5
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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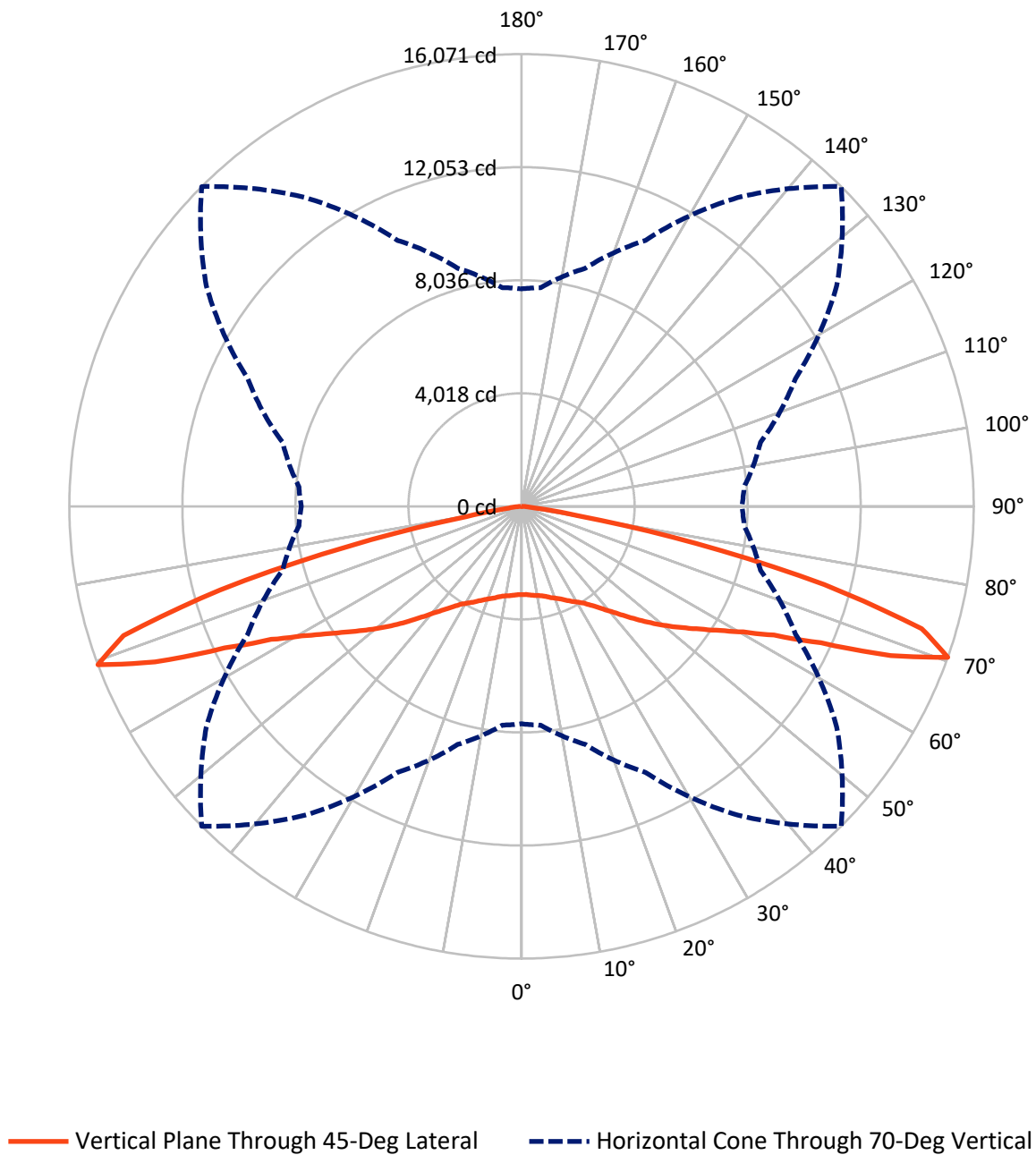


Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16364.0	0.0	16364.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16364.0	0.0	16364.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32728.0	0.0	32728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.6	0.9
10°-20°	944.4	2.9
20°-30°	1687.8	5.2
30°-40°	2735.9	8.4
40°-50°	4456.3	13.6
50°-60°	6794.4	20.8
60°-70°	10107.9	30.9
70°-80°	5509.1	16.8
80°-90°	187.6	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°	32728.0	100.0
0°-180°	32728.0	100.0

Coefficient of Utilization



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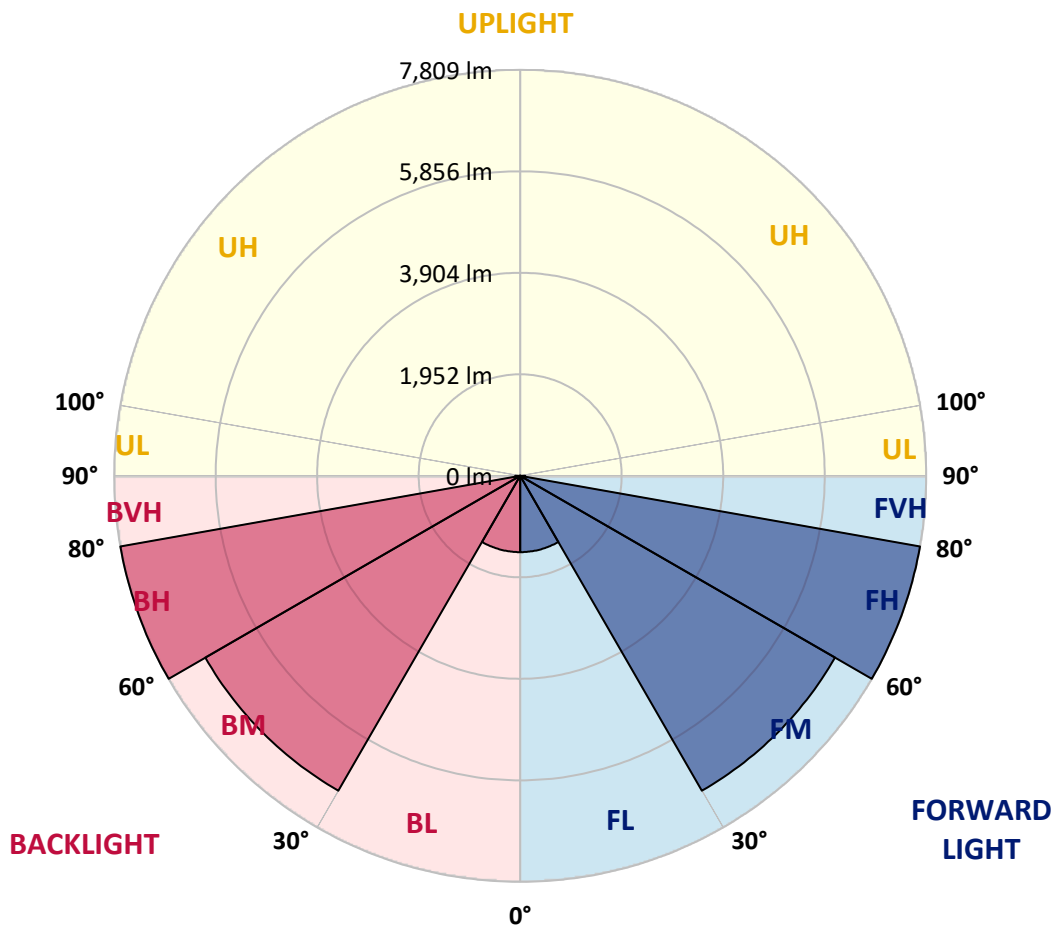
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1468.4	4.5			
FM	(30°-60°)	6993.3	21.4			
FH	(60°-80°)	7808.5	23.9			G4/12000
FVH	(80°-90°)	93.8	0.3			G1/100
BL	(0°-30°)	1468.4	4.5	B3/2500		
BM	(30°-60°)	6993.3	21.4	B4/8500		
BH	(60°-80°)	7808.5	23.9	B5		G4/12000
BVH	(80°-90°)	93.8	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0	3135.0
2.5°	3149.8	3153.1	3146.5	3143.2	3139.9	3135.0	3136.6	3144.9	3151.4	3149.8	3151.4
5°	3176.1	3179.4	3174.4	3172.8	3166.2	3164.6	3164.6	3172.8	3177.7	3174.4	3176.1
7.5°	3205.7	3210.6	3202.4	3200.7	3197.4	3194.2	3192.5	3200.7	3205.7	3205.7	3205.7
10°	3233.6	3238.5	3231.9	3227.0	3223.7	3223.7	3220.4	3227.0	3235.2	3233.6	3233.6
12.5°	3263.2	3266.5	3259.9	3256.6	3256.6	3261.5	3256.6	3259.9	3266.5	3263.2	3261.5
15°	3299.3	3301.0	3299.3	3304.2	3312.5	3328.9	3314.1	3310.8	3314.1	3305.9	3305.9
17.5°	3348.6	3351.9	3358.5	3370.0	3381.5	3411.0	3384.8	3376.5	3376.5	3360.1	3360.1
20°	3409.4	3414.3	3424.2	3443.9	3458.7	3486.6	3460.3	3448.8	3443.9	3422.5	3422.5
22.5°	3473.5	3481.7	3496.5	3522.8	3549.1	3575.4	3549.1	3529.3	3514.6	3486.6	3485.0
25°	3547.4	3557.3	3580.3	3623.0	3659.1	3696.9	3665.7	3626.3	3596.7	3557.3	3555.6
27.5°	3652.6	3664.1	3692.0	3744.6	3790.6	3823.5	3793.9	3742.9	3701.9	3654.2	3652.6
30°	3800.5	3812.0	3844.8	3900.7	3931.9	3953.3	3933.5	3894.1	3844.8	3790.6	3790.6
32.5°	3991.1	4005.8	4042.0	4094.6	4101.1	4104.4	4097.9	4078.1	4042.0	3976.3	3977.9
35°	4232.6	4249.0	4290.1	4332.8	4326.2	4332.8	4323.0	4316.4	4290.1	4214.5	4214.5
37.5°	4528.3	4548.1	4590.8	4623.6	4607.2	4599.0	4600.6	4602.3	4587.5	4503.7	4503.7
40°	4871.7	4898.0	4929.3	4963.8	4935.8	4911.2	4927.6	4940.8	4927.6	4842.2	4842.2
42.5°	5225.0	5262.8	5295.7	5345.0	5321.9	5290.7	5313.7	5328.5	5300.6	5208.6	5215.1
45°	5617.7	5653.9	5696.6	5770.5	5754.1	5721.2	5754.1	5757.4	5709.7	5601.3	5612.8
47.5°	6023.5	6061.3	6125.4	6224.0	6217.4	6181.3	6224.0	6201.0	6140.2	6010.4	6002.2
50°	6408.0	6460.6	6559.2	6697.2	6710.4	6666.0	6723.5	6679.1	6577.3	6414.6	6411.3
52.5°	6769.5	6825.4	6981.5	7168.8	7216.4	7158.9	7236.1	7158.9	7006.1	6797.4	6777.7
55°	7149.1	7211.5	7397.2	7642.0	7737.3	7694.6	7766.9	7650.2	7433.3	7180.3	7145.8
57.5°	7596.0	7633.8	7855.6	8146.4	8307.4	8317.3	8350.2	8153.0	7890.1	7602.5	7563.1
60°	8080.7	8133.3	8374.8	8723.1	8977.8	9060.0	9025.5	8733.0	8427.4	8097.1	8044.5
62.5°	8701.8	8759.3	9048.5	9465.8	9868.4	10072.1	9937.4	9513.5	9135.5	8739.6	8670.6
65°	9216.1	9280.1	9802.6	10547.0	11279.8	11688.9	11350.4	10570.0	9889.7	9331.1	9239.1
67.5°	8843.1	8921.9	9741.8	11108.9	12931.1	14151.9	12993.5	11276.5	9943.9	9186.5	9073.1
70°	7729.1	7803.0	8759.3	10430.3	13396.1	16071.0	13675.4	10737.6	8790.5	7942.7	7829.3
72.5°	5131.4	5369.6	6337.4	8341.9	11961.6	14871.6	12080.0	8172.7	5879.0	5119.8	4953.9
75°	1702.2	1892.8	2553.4	4324.6	8011.7	11122.0	7627.2	3826.7	2022.6	1455.8	1376.9
77.5°	428.8	494.6	681.9	1237.2	3195.8	6332.4	2877.0	1010.5	550.4	384.5	343.4
80°	208.7	230.0	328.6	412.4	800.2	2012.8	750.9	387.8	259.6	200.5	184.0
82.5°	115.0	116.7	185.7	233.3	297.4	520.9	308.9	226.7	149.5	121.6	121.6
85°	70.7	69.0	98.6	124.9	124.9	185.7	147.9	124.9	85.4	75.6	78.9
87.5°	27.9	27.9	36.1	39.4	34.5	47.6	37.8	41.1	32.9	31.2	32.9
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)