

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: P954470

Luminaire Tested: **GALN-SB7D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954470
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-SB7D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62646 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 512.8
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



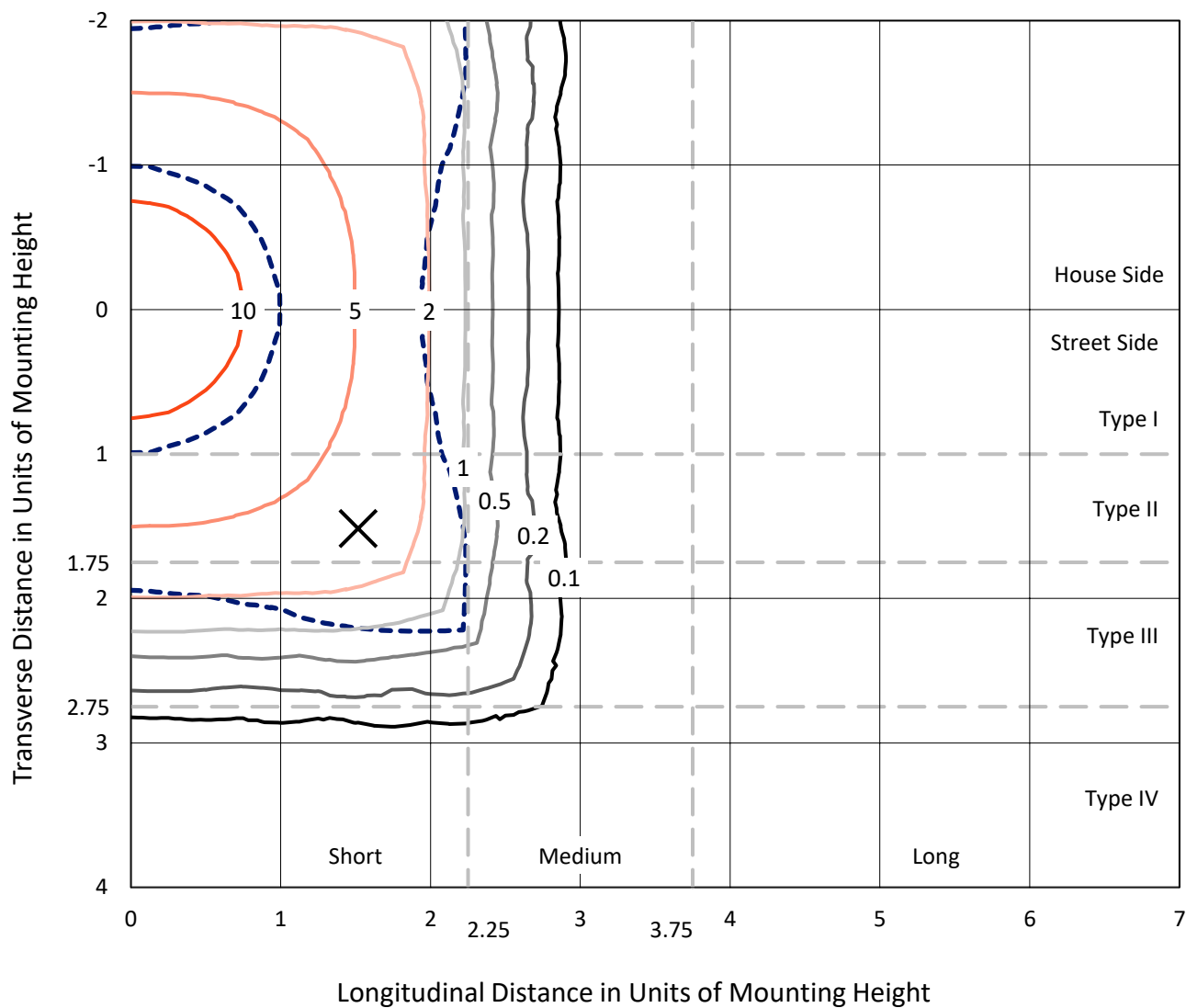
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

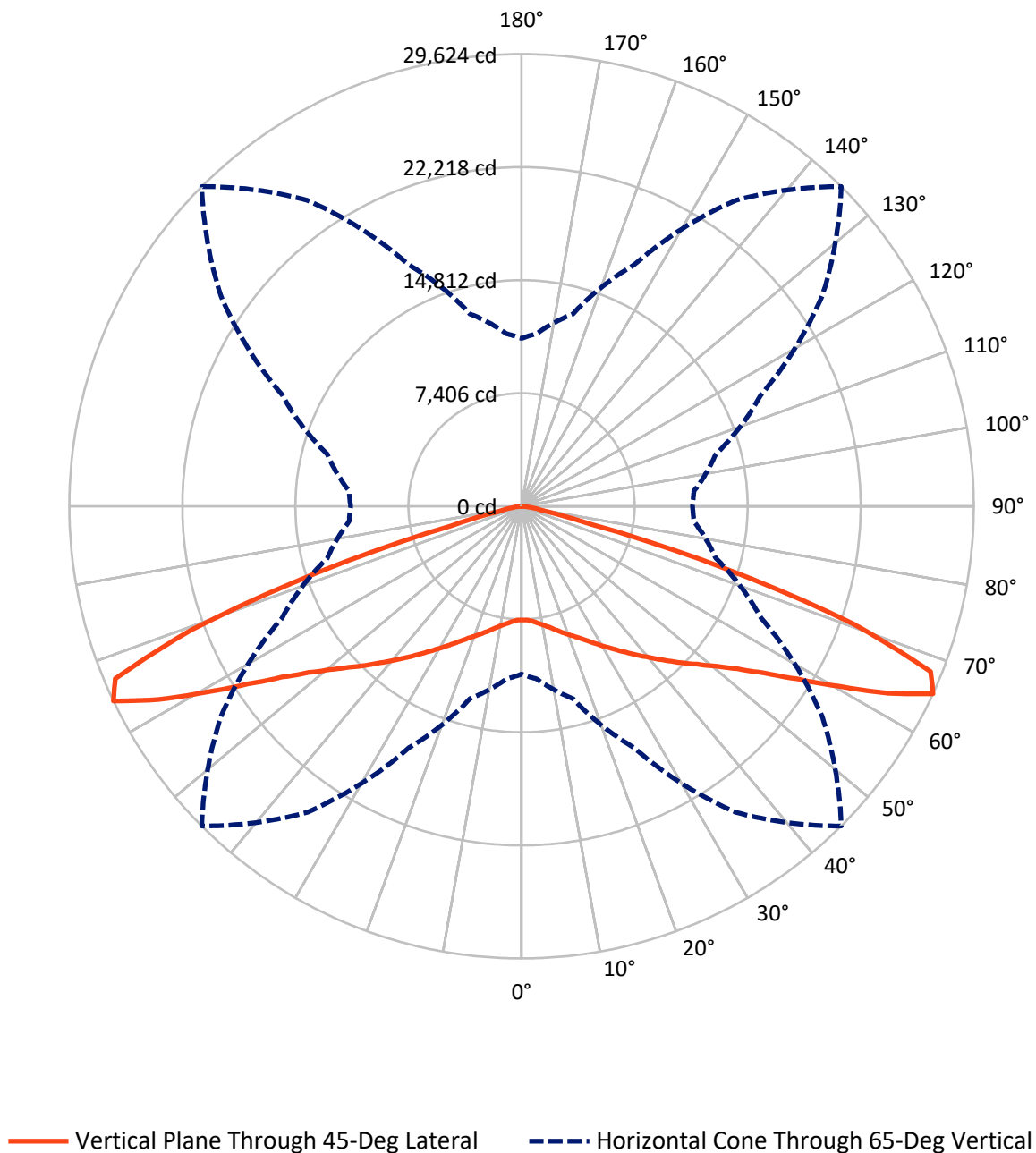


Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31323.0	0.0	31323.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31323.0	0.0	31323.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62646.0	0.0	62646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.8	1.2
10°-20°	2400.9	3.8
20°-30°	4533.2	7.2
30°-40°	7423.0	11.8
40°-50°	11509.4	18.4
50°-60°	17001.8	27.1
60°-70°	16184.2	25.8
70°-80°	2611.5	4.2
80°-90°	246.2	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°	62646.0	100.0
0°-180°	62646.0	100.0

Coefficient of Utilization



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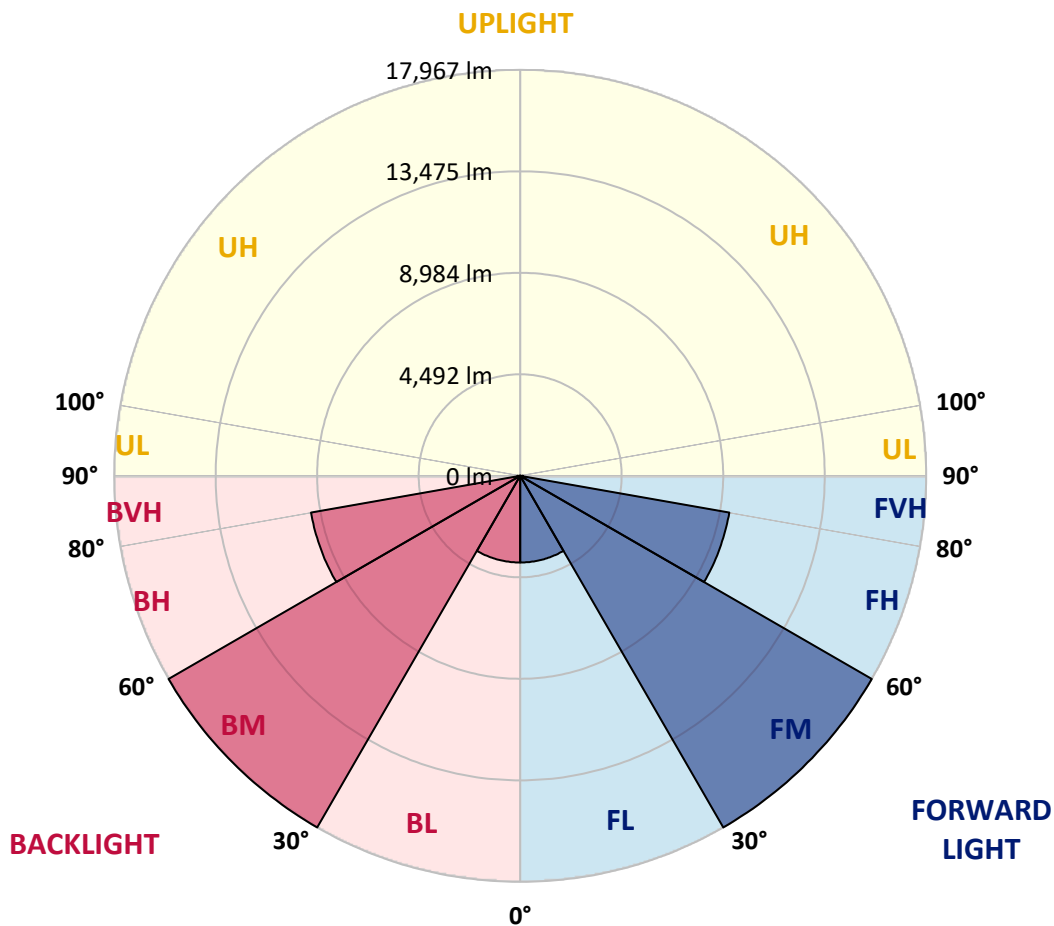
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3835.0	6.1			
FM	(30°-60°)	17967.1	28.7			
FH	(60°-80°)	9397.8	15.0			G4/12000
FVH	(80°-90°)	123.1	0.2			G2/225
BL	(0°-30°)	3835.0	6.1	B4/5000		
BM	(30°-60°)	17967.1	28.7	B5		
BH	(60°-80°)	9397.8	15.0	B5		G4/12000
BVH	(80°-90°)	123.1	0.2			G2/225
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°	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5	7455.5
2.5°	7505.8	7480.6	7499.5	7483.8	7471.2	7458.6	7464.9	7486.9	7496.4	7499.5	7499.5
5°	7606.4	7584.4	7593.8	7593.8	7571.8	7565.5	7568.7	7584.4	7603.2	7603.2	7603.2
7.5°	7769.8	7747.8	7769.8	7757.2	7738.4	7732.1	7729.0	7741.5	7769.8	7769.8	7760.4
10°	7967.8	7942.7	7955.3	7949.0	7927.0	7917.5	7914.4	7933.3	7958.4	7955.3	7949.0
12.5°	8184.7	8156.4	8172.1	8153.3	8147.0	8137.6	8137.6	8134.4	8150.1	8137.6	8143.8
15°	8426.7	8407.9	8414.2	8401.6	8411.0	8404.7	8379.6	8367.0	8373.3	8354.4	8357.6
17.5°	8712.8	8668.7	8690.8	8684.5	8684.5	8697.0	8656.2	8640.5	8653.0	8634.2	8649.9
20°	9042.8	8998.8	9008.2	8995.6	8979.9	8992.5	8942.2	8954.8	8964.2	8951.6	8979.9
22.5°	9404.2	9347.7	9344.5	9350.8	9316.2	9319.4	9284.8	9316.2	9335.1	9300.5	9335.1
25°	9775.1	9715.4	9756.3	9740.6	9696.6	9706.0	9680.8	9712.3	9728.0	9684.0	9734.3
27.5°	10168.0	10127.2	10164.9	10174.3	10120.9	10158.6	10120.9	10149.2	10164.9	10098.9	10149.2
30°	10626.9	10586.1	10620.6	10645.8	10582.9	10642.6	10611.2	10630.1	10633.2	10554.6	10601.8
32.5°	11126.7	11063.8	11151.8	11164.4	11095.2	11167.5	11126.7	11151.8	11167.5	11060.7	11133.0
35°	11736.4	11657.9	11758.4	11742.7	11683.0	11742.7	11705.0	11742.7	11780.4	11651.6	11730.2
37.5°	12393.4	12311.6	12418.5	12390.2	12333.6	12374.5	12352.5	12377.6	12437.4	12299.1	12383.9
40°	13116.3	13015.7	13160.3	13110.0	13056.6	13050.3	13062.8	13078.6	13157.1	13003.1	13053.4
42.5°	13889.5	13782.6	13999.5	13920.9	13845.5	13795.2	13836.1	13867.5	13942.9	13770.0	13861.2
45°	14772.7	14650.1	14933.0	14838.7	14719.3	14615.5	14681.6	14728.7	14838.7	14631.3	14738.1
47.5°	15747.1	15608.8	15910.5	15882.2	15687.4	15461.0	15611.9	15747.1	15828.8	15577.3	15662.2
50°	16699.4	16592.6	16988.6	17023.2	16784.3	16466.8	16677.4	16881.7	16903.7	16573.7	16614.6
52.5°	17592.1	17485.2	18060.4	18277.3	18063.6	17686.4	17909.5	18117.0	17950.4	17522.9	17535.5
55°	18305.6	18217.6	18949.9	19509.4	19581.7	19270.5	19402.5	19396.2	18849.3	18192.4	18214.4
57.5°	18478.5	18465.9	19390.0	20574.9	21329.3	21367.0	21106.1	20439.8	19261.1	18377.9	18321.3
60°	17692.7	17771.2	19041.1	21131.3	23142.9	23978.9	22850.5	20949.0	18792.8	17566.9	17422.4
62.5°	15341.6	15549.1	17079.8	20452.3	24607.6	26983.8	24249.2	20175.7	16869.2	15269.3	15175.0
65°	10994.7	11356.1	13047.1	17453.8	24475.5	29624.0	24048.1	17312.4	13172.9	11327.8	11192.7
67.5°	4988.1	5355.9	6792.3	11950.2	21275.8	28907.4	21225.5	12075.9	7131.8	5374.7	5296.2
70°	1807.3	1870.2	2332.2	4783.8	13597.2	23032.8	14178.7	4818.4	2479.9	1992.7	1967.6
72.5°	1093.8	1103.2	1200.7	1713.0	4724.1	13983.8	4925.3	1769.6	1225.8	1087.5	1106.4
75°	694.6	688.3	854.9	1046.7	1675.3	4717.8	1757.0	1046.7	851.8	776.4	782.6
77.5°	499.8	515.5	612.9	782.6	1056.1	1599.9	1037.2	748.1	612.9	502.9	512.3
80°	374.0	383.5	446.3	609.8	741.8	996.4	660.1	553.2	462.0	314.3	323.7
82.5°	270.3	270.3	292.3	443.2	452.6	537.5	358.3	389.7	304.9	223.2	223.2
85°	160.3	157.2	182.3	264.0	235.7	198.0	163.4	238.9	191.7	138.3	135.2
87.5°	56.6	59.7	56.6	75.4	62.9	53.4	50.3	66.0	53.4	47.1	44.0
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)