

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: P945187

Luminaire Tested: **GALN-SB1B-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945187
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-SB1B-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

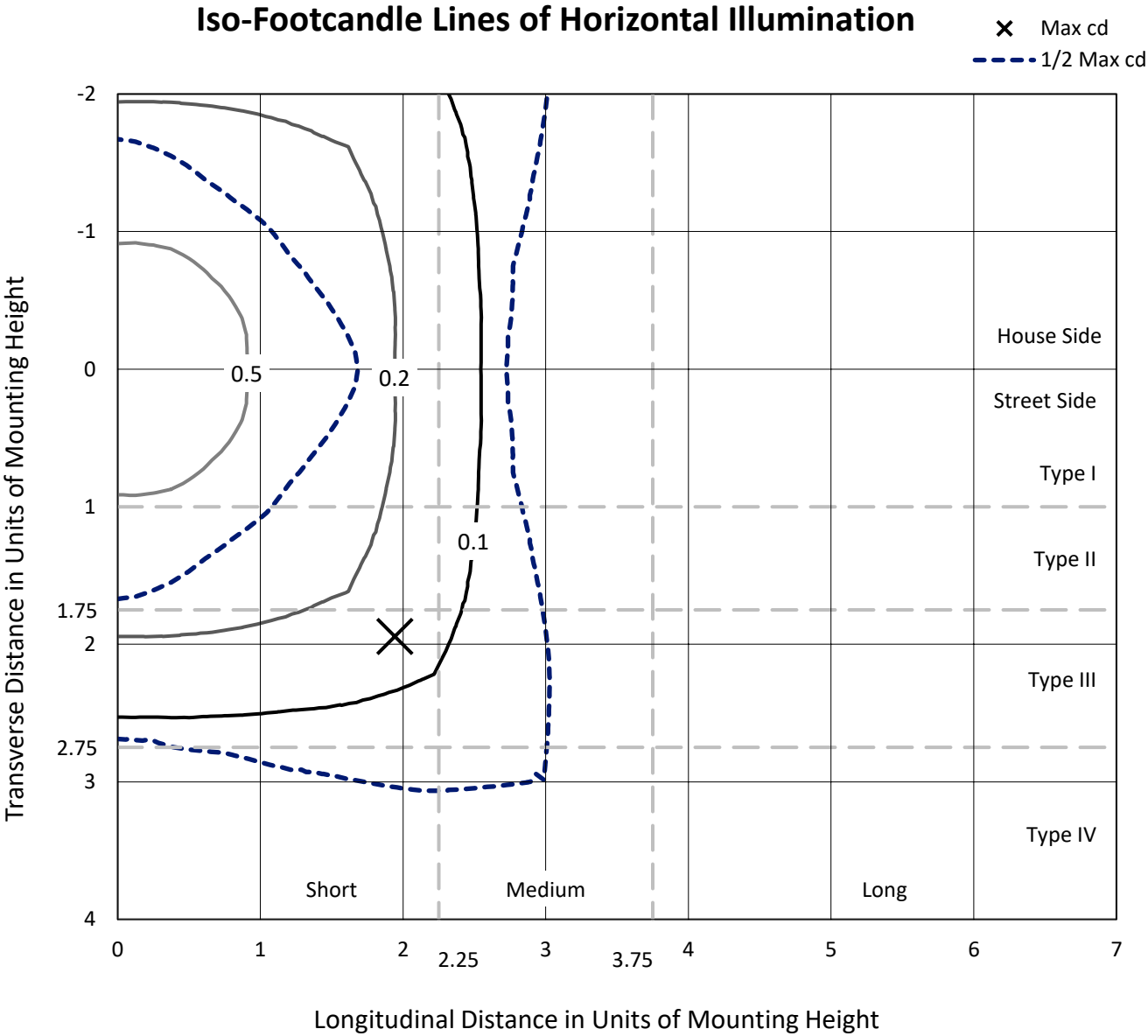
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4873 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 39.8
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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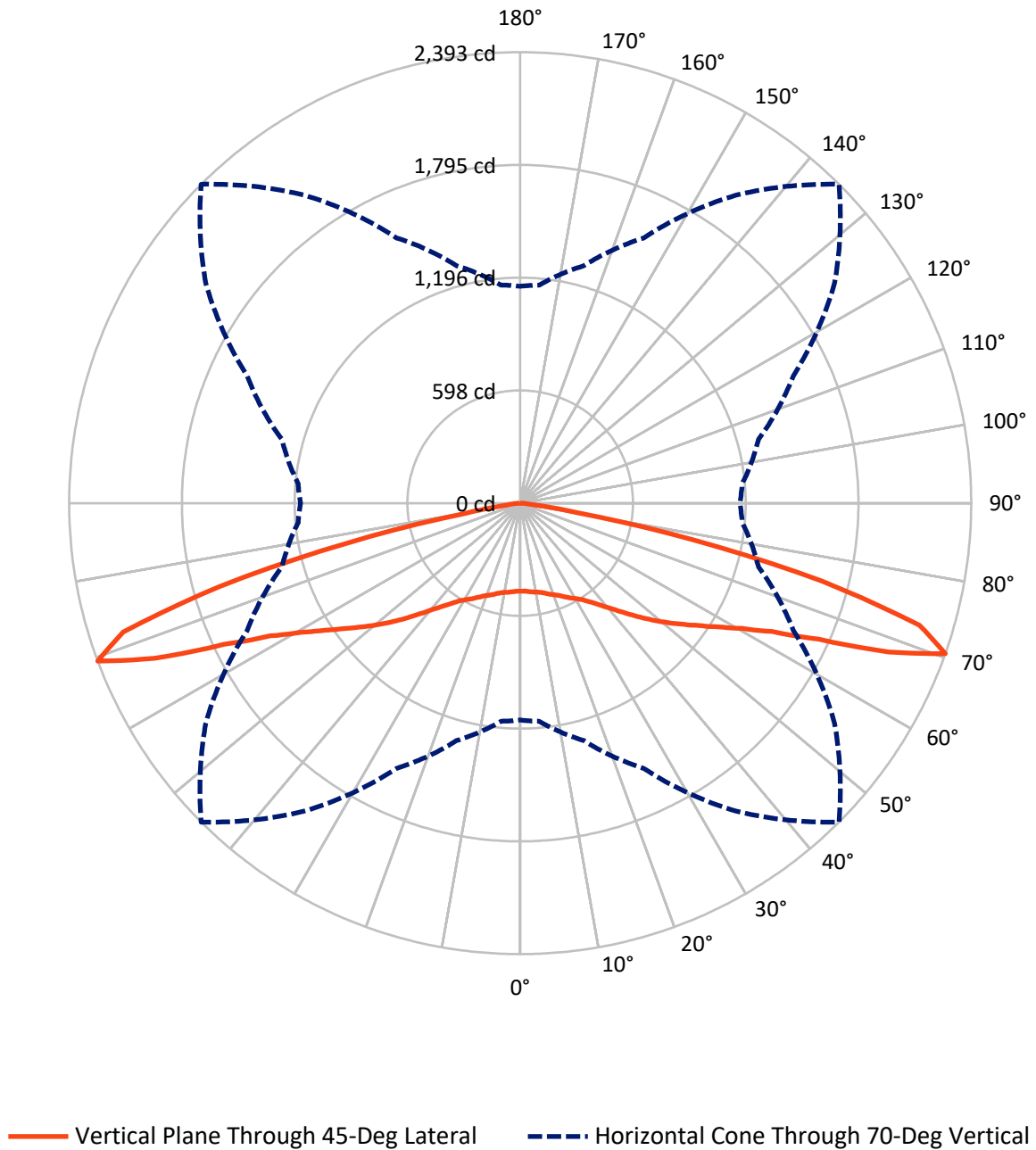


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2436.5	0.0	2436.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2436.5	0.0	2436.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4873.0	0.0	4873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.9
10°-20°	140.6	2.9
20°-30°	251.3	5.2
30°-40°	407.4	8.4
40°-50°	663.5	13.6
50°-60°	1011.6	20.8
60°-70°	1505.0	30.9
70°-80°	820.3	16.8
80°-90°	27.9	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°	4873.0	100.0
0°-180°	4873.0	100.0

Coefficient of Utilization



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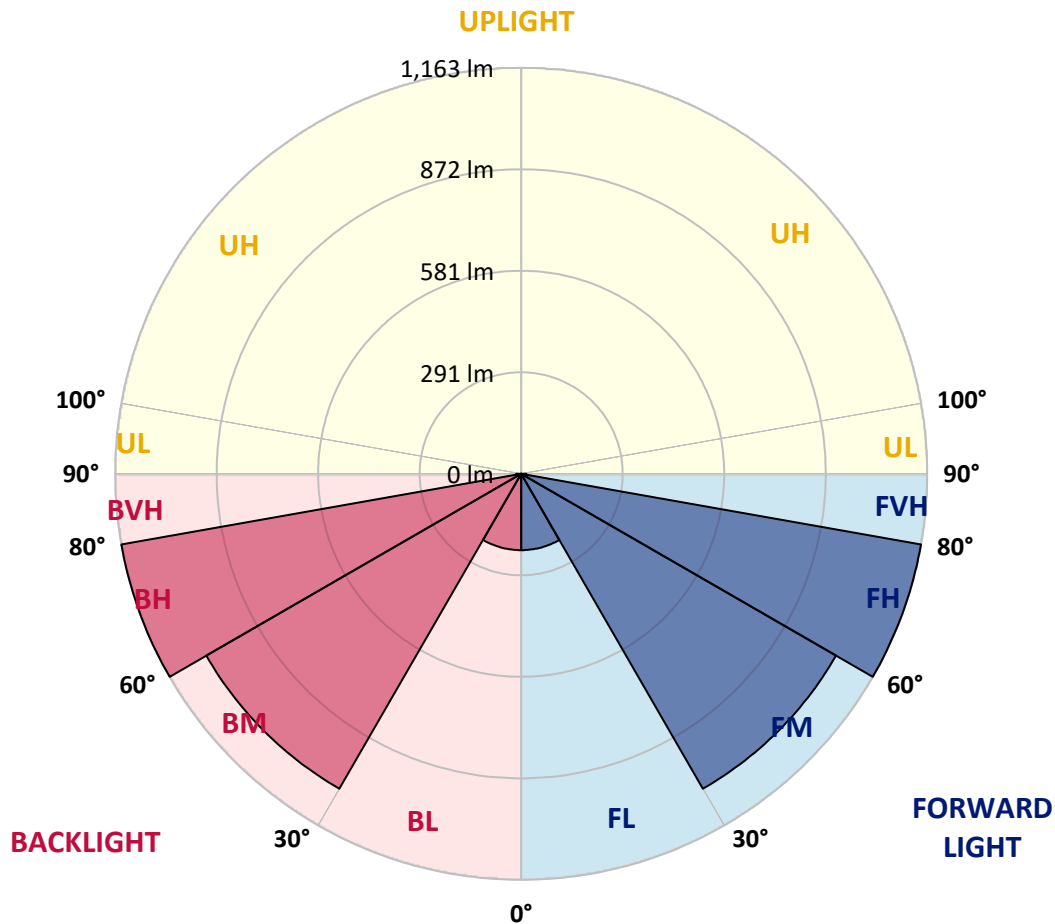
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.6	4.5			
FM	(30°-60°)	1041.3	21.4			
FH	(60°-80°)	1162.6	23.9			G1/1800
FVH	(80°-90°)	14.0	0.3			G1/100
BL	(0°-30°)	218.6	4.5	B1/500		
BM	(30°-60°)	1041.3	21.4	B2/2500		
BH	(60°-80°)	1162.6	23.9	B3/2500		G1/1800
BVH	(80°-90°)	14.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8	466.8
2.5°	469.0	469.5	468.5	468.0	467.5	466.8	467.0	468.3	469.2	469.0	469.2
5°	472.9	473.4	472.7	472.4	471.4	471.2	471.2	472.4	473.1	472.7	472.9
7.5°	477.3	478.0	476.8	476.6	476.1	475.6	475.3	476.6	477.3	477.3	477.3
10°	481.5	482.2	481.2	480.5	480.0	480.0	479.5	480.5	481.7	481.5	481.5
12.5°	485.9	486.4	485.4	484.9	484.9	485.6	484.9	485.4	486.4	485.9	485.6
15°	491.2	491.5	491.2	492.0	493.2	495.7	493.4	493.0	493.4	492.2	492.2
17.5°	498.6	499.1	500.1	501.8	503.5	507.9	504.0	502.7	502.7	500.3	500.3
20°	507.6	508.4	509.8	512.8	515.0	519.1	515.2	513.5	512.8	509.6	509.6
22.5°	517.2	518.4	520.6	524.5	528.4	532.3	528.4	525.5	523.3	519.1	518.9
25°	528.2	529.7	533.1	539.4	544.8	550.5	545.8	539.9	535.5	529.7	529.4
27.5°	543.8	545.6	549.7	557.5	564.4	569.3	564.9	557.3	551.2	544.1	543.8
30°	565.9	567.6	572.5	580.8	585.4	588.6	585.7	579.8	572.5	564.4	564.4
32.5°	594.2	596.4	601.8	609.7	610.6	611.1	610.1	607.2	601.8	592.0	592.3
35°	630.2	632.7	638.8	645.1	644.2	645.1	643.7	642.7	638.8	627.5	627.5
37.5°	674.2	677.2	683.5	688.4	686.0	684.8	685.0	685.3	683.0	670.6	670.6
40°	725.4	729.3	733.9	739.1	734.9	731.2	733.7	735.6	733.7	721.0	721.0
42.5°	778.0	783.6	788.5	795.8	792.4	787.8	791.2	793.4	789.2	775.5	776.5
45°	836.4	841.8	848.2	859.2	856.7	851.9	856.7	857.2	850.1	834.0	835.7
47.5°	896.9	902.5	912.0	926.7	925.7	920.4	926.7	923.3	914.2	894.9	893.7
50°	954.1	961.9	976.6	997.2	999.1	992.5	1001.1	994.5	979.3	955.1	954.6
52.5°	1007.9	1016.3	1039.5	1067.4	1074.5	1065.9	1077.4	1065.9	1043.2	1012.1	1009.2
55°	1064.5	1073.7	1101.4	1137.8	1152.0	1145.7	1156.4	1139.1	1106.8	1069.1	1064.0
57.5°	1131.0	1136.6	1169.6	1213.0	1236.9	1238.4	1243.3	1213.9	1174.8	1132.0	1126.1
60°	1203.2	1211.0	1247.0	1298.8	1336.7	1349.0	1343.8	1300.3	1254.8	1205.6	1197.8
62.5°	1295.6	1304.2	1347.3	1409.4	1469.3	1499.7	1479.6	1416.5	1360.2	1301.3	1291.0
65°	1372.2	1381.8	1459.6	1570.4	1679.5	1740.4	1690.0	1573.8	1472.5	1389.3	1375.6
67.5°	1316.7	1328.4	1450.5	1654.0	1925.4	2107.1	1934.7	1679.0	1480.6	1367.8	1350.9
70°	1150.8	1161.8	1304.2	1553.0	1994.6	2392.9	2036.2	1598.8	1308.9	1182.6	1165.7
72.5°	764.0	799.5	943.6	1242.1	1781.0	2214.3	1798.6	1216.9	875.3	762.3	737.6
75°	253.5	281.8	380.2	643.9	1192.9	1656.0	1135.6	569.8	301.2	216.8	205.0
77.5°	63.9	73.6	101.5	184.2	475.8	942.9	428.4	150.5	82.0	57.2	51.1
80°	31.1	34.3	48.9	61.4	119.1	299.7	111.8	57.7	38.7	29.8	27.4
82.5°	17.1	17.4	27.6	34.7	44.3	77.6	46.0	33.8	22.3	18.1	18.1
85°	10.5	10.3	14.7	18.6	18.6	27.6	22.0	18.6	12.7	11.3	11.7
87.5°	4.2	4.2	5.4	5.9	5.1	7.1	5.6	6.1	4.9	4.6	4.9
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)