

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: P945191

Luminaire Tested: **GALN-SB1B-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945191
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-SB1B-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

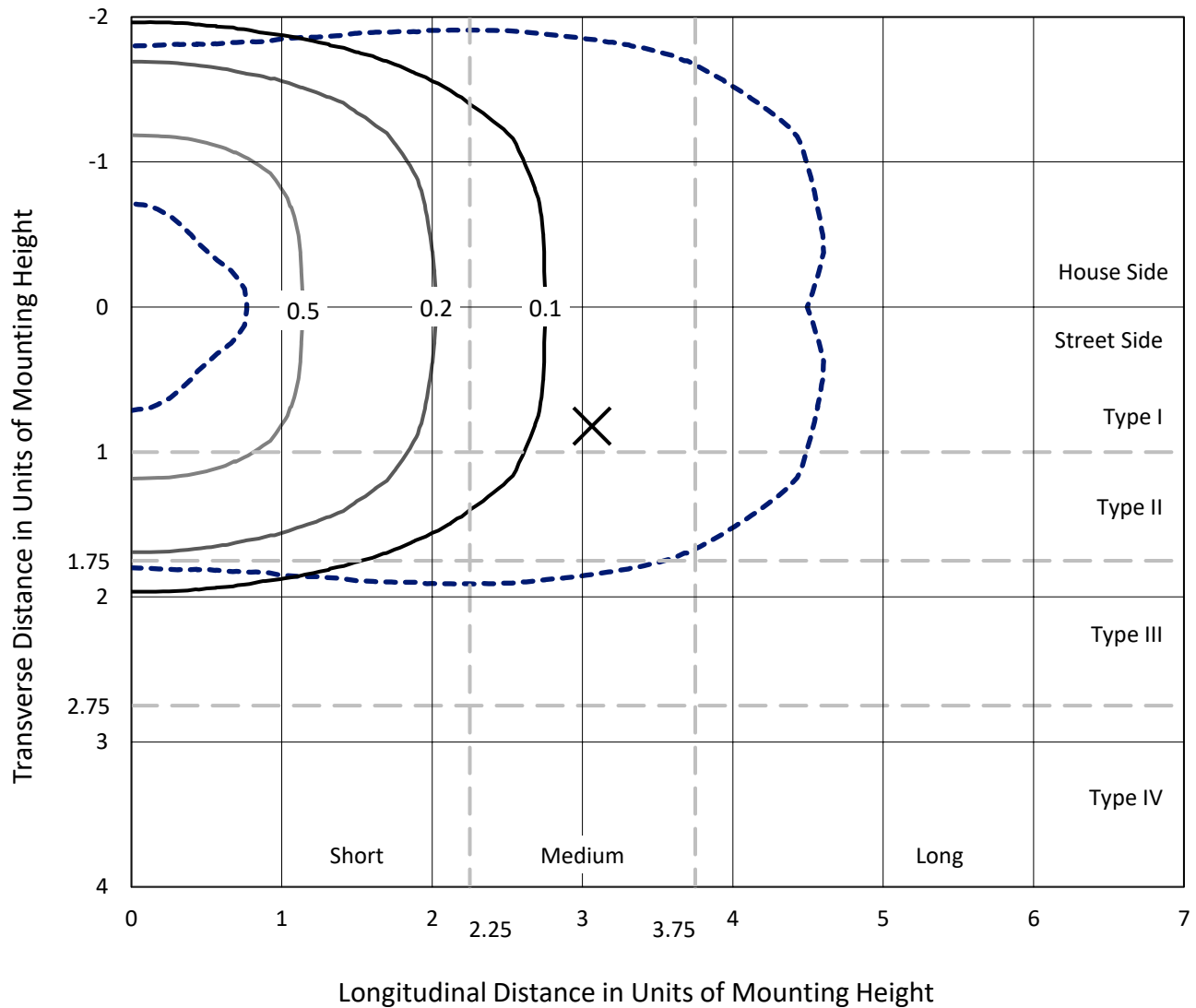


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

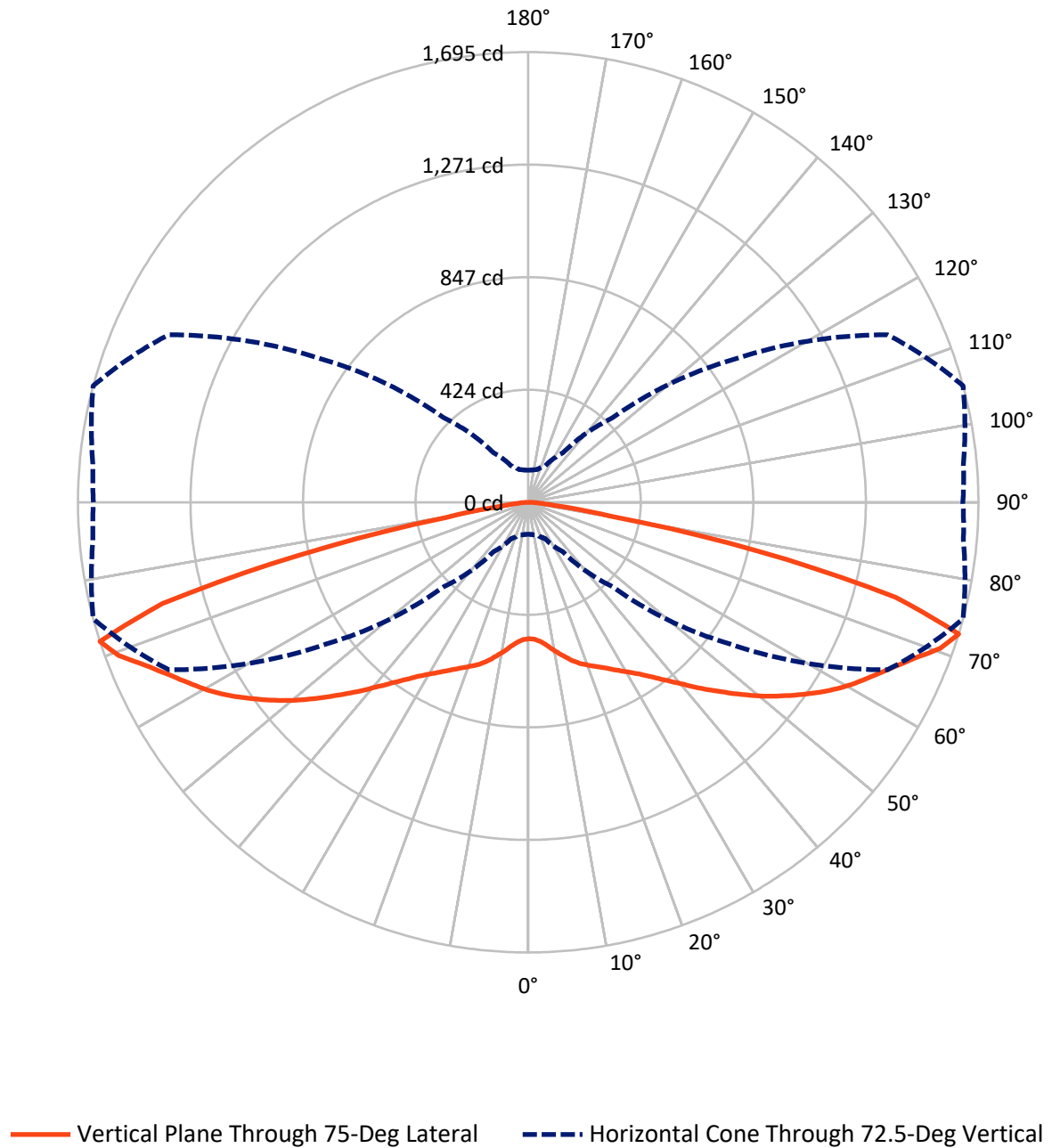


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2396.0	0.0	2396.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2396.0	0.0	2396.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4792.0	0.0	4792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.0
10°-20°	165.8	3.5
20°-30°	320.5	6.7
30°-40°	541.1	11.3
40°-50°	858.1	17.9
50°-60°	1149.0	24.0
60°-70°	1093.4	22.8
70°-80°	570.6	11.9
80°-90°	43.2	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°	4792.0	100.0
0°-180°	4792.0	100.0

Coefficient of Utilization



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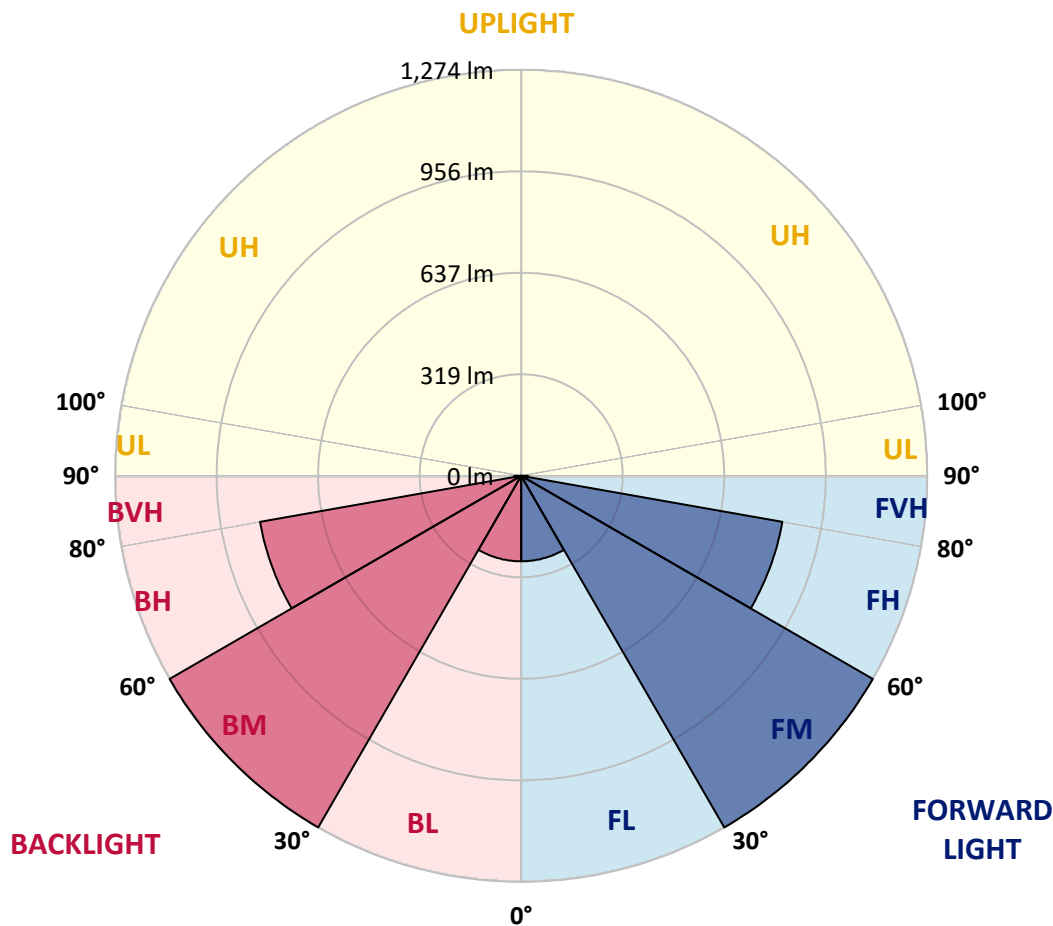
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.3	5.6			
FM	(30°-60°)	1274.1	26.6			
FH	(60°-80°)	832.0	17.4			G1/1800
FVH	(80°-90°)	21.6	0.5			G1/100
BL	(0°-30°)	268.3	5.6	B1/500		
BM	(30°-60°)	1274.1	26.6	B2/2500		
BH	(60°-80°)	832.0	17.4	B2/1000		G2/1000
BVH	(80°-90°)	21.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	513.3	513.3	513.3	513.3	513.3	513.3	513.3	513.3	513.3	513.3	513.3
2.5°	513.3	512.8	513.3	513.8	513.6	513.6	514.8	515.5	517.0	516.7	516.5
5°	509.9	509.6	511.6	513.8	515.5	518.4	522.1	524.8	528.2	529.0	529.0
7.5°	508.2	507.4	510.9	514.8	520.2	527.5	534.6	541.9	547.8	549.8	550.3
10°	509.4	509.6	514.3	521.6	530.2	540.5	550.5	563.0	571.3	573.3	575.2
12.5°	515.0	514.5	522.4	534.1	545.8	558.8	570.6	584.3	593.3	598.0	599.9
15°	525.3	524.3	535.3	552.7	569.8	585.0	594.5	607.5	618.0	623.9	626.1
17.5°	537.5	538.0	552.5	575.0	597.5	614.6	623.7	630.3	638.3	643.5	645.9
20°	559.1	560.0	576.2	602.9	628.5	648.1	655.5	653.0	655.2	659.1	662.1
22.5°	587.9	588.4	606.5	635.4	662.3	683.8	688.7	678.7	672.6	675.3	677.2
25°	621.5	624.6	642.7	672.3	700.0	720.5	722.7	707.6	692.4	693.1	694.4
27.5°	662.3	665.2	683.6	713.0	741.1	759.0	758.7	738.4	716.1	710.5	712.2
30°	706.6	709.8	728.6	759.0	785.1	800.8	797.4	773.1	741.3	730.8	732.0
32.5°	759.2	761.2	780.2	810.6	834.8	847.3	840.2	810.3	770.7	758.7	761.6
35°	822.8	825.7	839.9	868.6	889.8	900.1	888.1	852.9	808.4	794.9	796.9
37.5°	895.5	893.5	909.7	935.1	952.7	959.1	942.7	900.9	851.4	835.5	838.5
40°	971.3	970.3	988.0	1012.4	1022.0	1025.9	1001.7	955.9	901.1	884.0	889.6
42.5°	1040.1	1039.3	1063.1	1090.2	1101.7	1097.3	1066.7	1014.4	958.6	939.0	943.9
45°	1095.1	1094.1	1123.3	1161.4	1183.9	1176.6	1135.5	1079.0	1016.8	996.5	1001.2
47.5°	1137.5	1137.9	1169.3	1216.5	1255.9	1258.6	1205.7	1144.8	1080.9	1057.9	1064.8
50°	1168.0	1169.5	1203.0	1255.4	1309.2	1332.9	1277.4	1212.3	1147.2	1121.3	1129.1
52.5°	1175.6	1178.3	1218.7	1280.1	1343.5	1388.7	1350.3	1277.2	1210.1	1185.4	1191.8
55°	1135.2	1140.6	1191.8	1278.1	1364.5	1425.4	1414.4	1343.0	1273.5	1248.0	1255.1
57.5°	1042.5	1050.1	1109.8	1222.6	1359.9	1450.6	1464.1	1406.1	1336.9	1312.4	1318.0
60°	912.6	921.7	978.9	1102.0	1294.3	1459.9	1499.1	1467.5	1395.1	1371.4	1376.5
62.5°	716.6	728.4	796.9	941.2	1155.8	1416.6	1528.9	1523.0	1447.4	1417.8	1421.3
65°	459.7	472.2	544.4	714.9	971.1	1284.0	1538.2	1577.1	1502.7	1461.4	1466.5
67.5°	277.2	282.8	318.6	433.3	709.8	1084.1	1459.4	1637.1	1567.3	1515.9	1519.9
70°	177.4	180.6	201.8	254.5	401.3	791.0	1264.2	1648.3	1645.6	1572.0	1571.5
72.5°	120.4	121.4	127.0	150.7	227.0	449.5	932.4	1492.2	1694.6	1644.2	1636.3
75°	88.1	93.5	102.5	106.7	128.9	224.6	534.4	1048.4	1428.1	1450.1	1396.8
77.5°	65.6	65.8	78.3	83.2	92.0	119.6	226.1	585.2	886.7	931.0	830.4
80°	55.5	52.6	52.4	67.0	69.2	74.6	101.0	202.1	317.6	192.6	145.6
82.5°	46.2	43.1	38.9	52.4	47.2	45.8	43.8	82.2	101.0	49.7	42.3
85°	32.3	30.8	29.4	34.3	26.9	23.0	21.0	38.4	42.6	21.0	18.6
87.5°	13.9	14.4	14.7	15.2	11.3	8.1	8.1	10.8	10.8	8.3	6.1
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)