

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: P944834

Luminaire Tested: **GALN-SB1A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944834
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-SB1A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

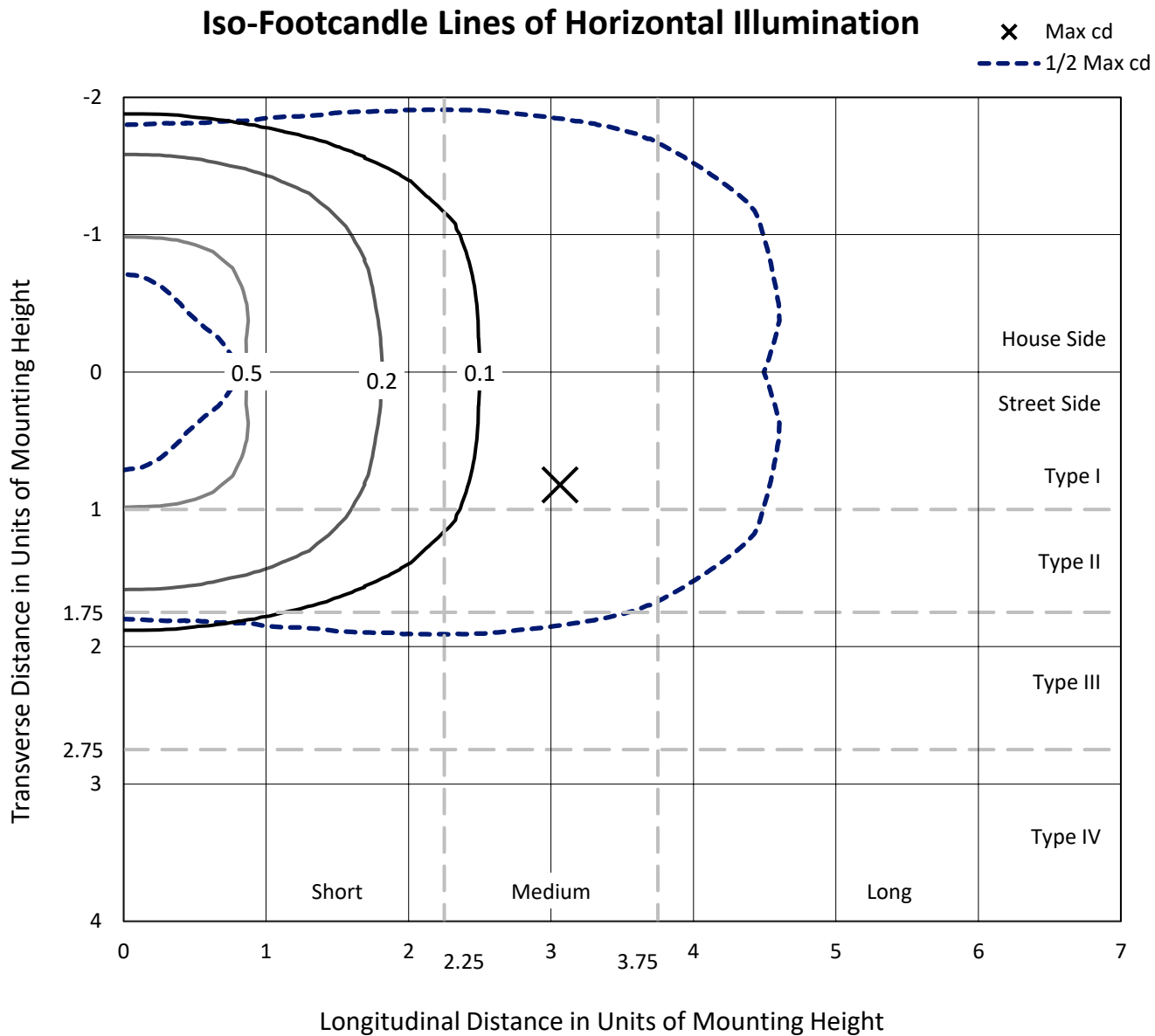
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3817 lumens
Efficiency: N/A
Efficacy: 123.5 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): 30.9
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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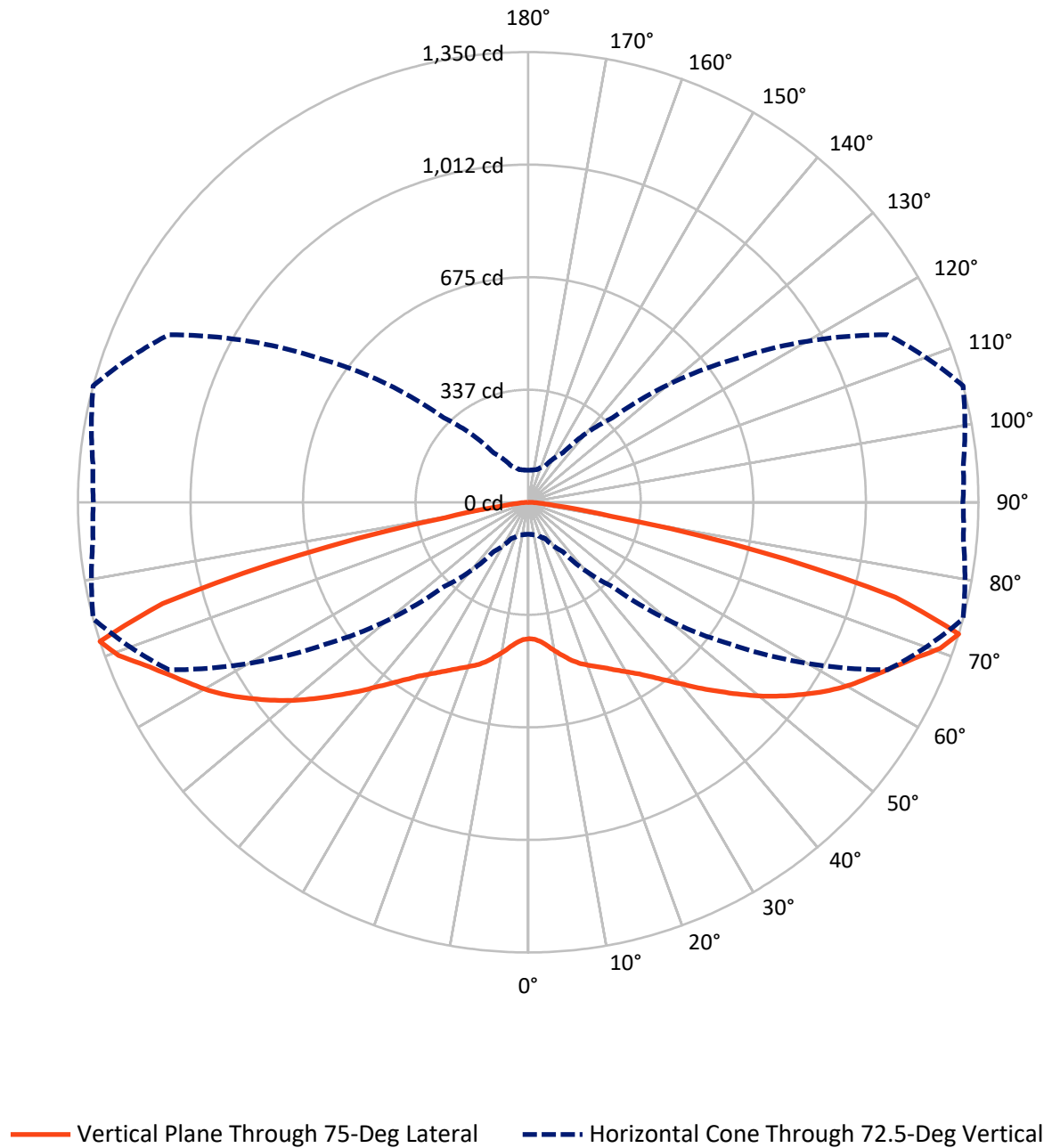


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1908.5	0.0	1908.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1908.5	0.0	1908.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3817.0	0.0	3817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	1.0
10°-20°	132.1	3.5
20°-30°	255.3	6.7
30°-40°	431.0	11.3
40°-50°	683.5	17.9
50°-60°	915.2	24.0
60°-70°	871.0	22.8
70°-80°	454.5	11.9
80°-90°	34.4	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°	3817.0	100.0
0°-180°	3817.0	100.0

Coefficient of Utilization



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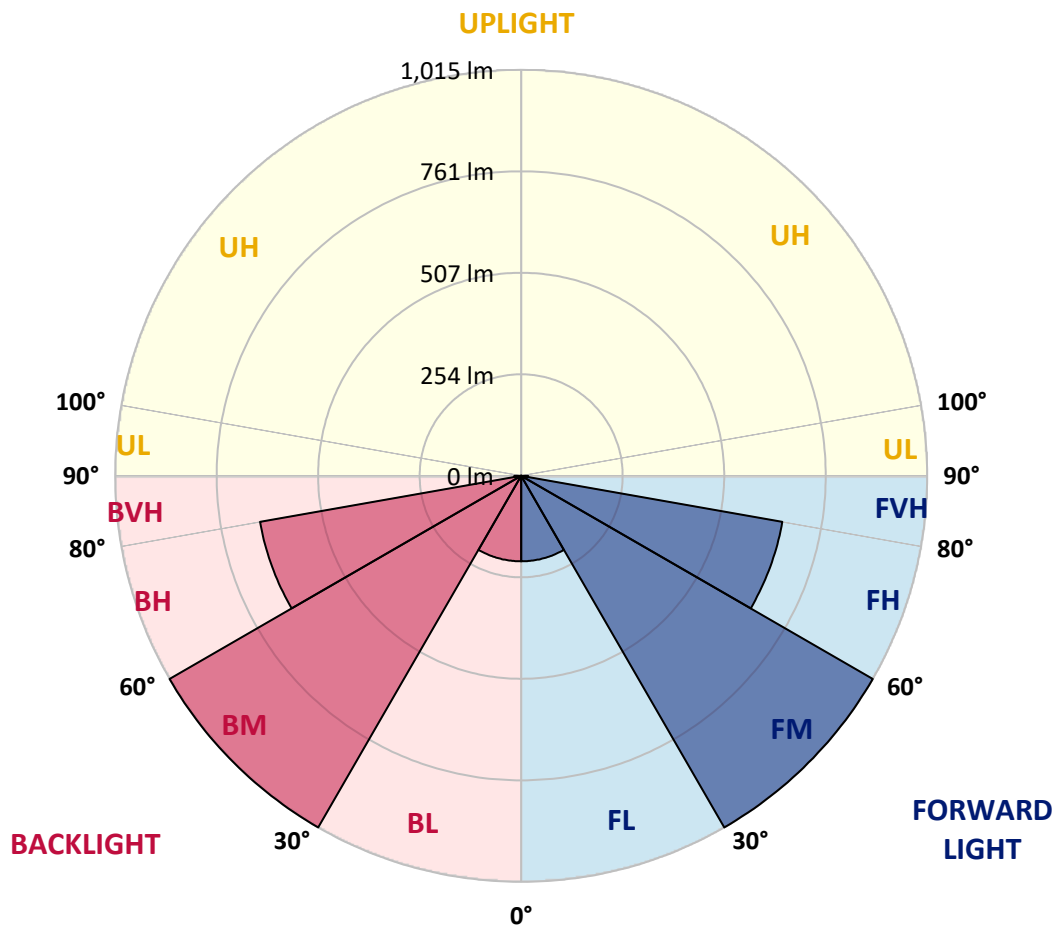
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.7	5.6			
FM	(30°-60°)	1014.9	26.6			
FH	(60°-80°)	662.7	17.4			G1/1800
FVH	(80°-90°)	17.2	0.5			G1/100
BL	(0°-30°)	213.7	5.6	B1/500		
BM	(30°-60°)	1014.9	26.6	B2/2500		
BH	(60°-80°)	662.7	17.4	B2/1000		G2/1000
BVH	(80°-90°)	17.2	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°	408.9	408.9	408.9	408.9	408.9	408.9	408.9	408.9	408.9	408.9	408.9
2.5°	408.9	408.5	408.9	409.3	409.1	409.1	410.0	410.6	411.8	411.6	411.4
5°	406.1	405.9	407.5	409.3	410.6	413.0	415.9	418.0	420.8	421.3	421.3
7.5°	404.8	404.2	406.9	410.0	414.3	420.2	425.8	431.7	436.3	437.9	438.3
10°	405.8	405.9	409.6	415.5	422.3	430.5	438.5	448.4	455.1	456.6	458.2
12.5°	410.2	409.8	416.1	425.4	434.8	445.1	454.5	465.4	472.6	476.3	477.9
15°	418.4	417.6	426.4	440.2	453.9	466.0	473.6	483.9	492.3	497.0	498.7
17.5°	428.2	428.6	440.1	458.0	475.9	489.6	496.8	502.0	508.5	512.5	514.5
20°	445.3	446.1	459.0	480.2	500.7	516.3	522.1	520.1	521.9	525.0	527.4
22.5°	468.3	468.7	483.1	506.1	527.6	544.7	548.6	540.6	535.7	537.9	539.4
25°	495.0	497.5	512.0	535.5	557.6	573.9	575.7	563.6	551.5	552.1	553.1
27.5°	527.6	529.9	544.5	567.9	590.3	604.5	604.3	588.2	570.4	565.9	567.3
30°	562.8	565.4	580.4	604.5	625.4	637.9	635.1	615.8	590.5	582.1	583.1
32.5°	604.7	606.3	621.5	645.7	664.9	674.9	669.2	645.5	613.9	604.3	606.7
35°	655.4	657.7	669.0	691.8	708.8	717.0	707.4	679.4	643.9	633.2	634.7
37.5°	713.3	711.7	724.6	744.9	758.9	763.9	750.9	717.6	678.2	665.5	667.9
40°	773.7	772.9	786.9	806.4	814.0	817.2	797.9	761.4	717.8	704.1	708.6
42.5°	828.5	827.9	846.8	868.4	877.6	874.1	849.7	808.0	763.6	748.0	751.9
45°	872.3	871.5	894.7	925.1	943.0	937.2	904.5	859.4	809.9	793.8	797.5
47.5°	906.0	906.4	931.4	969.0	1000.3	1002.5	960.4	911.9	861.0	842.7	848.1
50°	930.4	931.6	958.3	1000.0	1042.8	1061.7	1017.5	965.7	913.8	893.2	899.4
52.5°	936.4	938.6	970.7	1019.6	1070.1	1106.2	1075.6	1017.3	963.9	944.2	949.3
55°	904.3	908.6	949.3	1018.1	1086.9	1135.4	1126.6	1069.7	1014.4	994.1	999.8
57.5°	830.4	836.4	884.0	973.8	1083.2	1155.5	1166.2	1120.0	1064.9	1045.4	1049.8
60°	726.9	734.1	779.7	877.8	1030.9	1162.9	1194.1	1168.9	1111.2	1092.3	1096.4
62.5°	570.8	580.2	634.7	749.7	920.6	1128.4	1217.8	1213.2	1152.9	1129.4	1132.1
65°	366.2	376.1	433.6	569.5	773.5	1022.8	1225.2	1256.2	1197.0	1164.0	1168.1
67.5°	220.8	225.3	253.7	345.1	565.4	863.5	1162.5	1304.0	1248.4	1207.5	1210.6
70°	141.3	143.8	160.8	202.7	319.6	630.1	1007.0	1312.9	1310.8	1252.1	1251.7
72.5°	95.9	96.7	101.1	120.0	180.9	358.0	742.7	1188.6	1349.8	1309.6	1303.4
75°	70.2	74.4	81.7	85.0	102.7	178.9	425.6	835.1	1137.5	1155.1	1112.6
77.5°	52.2	52.4	62.4	66.3	73.3	95.3	180.1	466.2	706.3	741.5	661.4
80°	44.2	41.9	41.7	53.4	55.2	59.4	80.5	161.0	253.0	153.4	116.0
82.5°	36.8	34.3	31.0	41.7	37.6	36.4	34.9	65.5	80.5	39.6	33.7
85°	25.7	24.6	23.4	27.3	21.4	18.3	16.8	30.6	33.9	16.8	14.8
87.5°	11.1	11.5	11.7	12.1	9.0	6.4	6.4	8.6	8.6	6.6	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)