

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: P944831

Luminaire Tested: **GALN-SB1A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944831
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-SB1A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3884 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

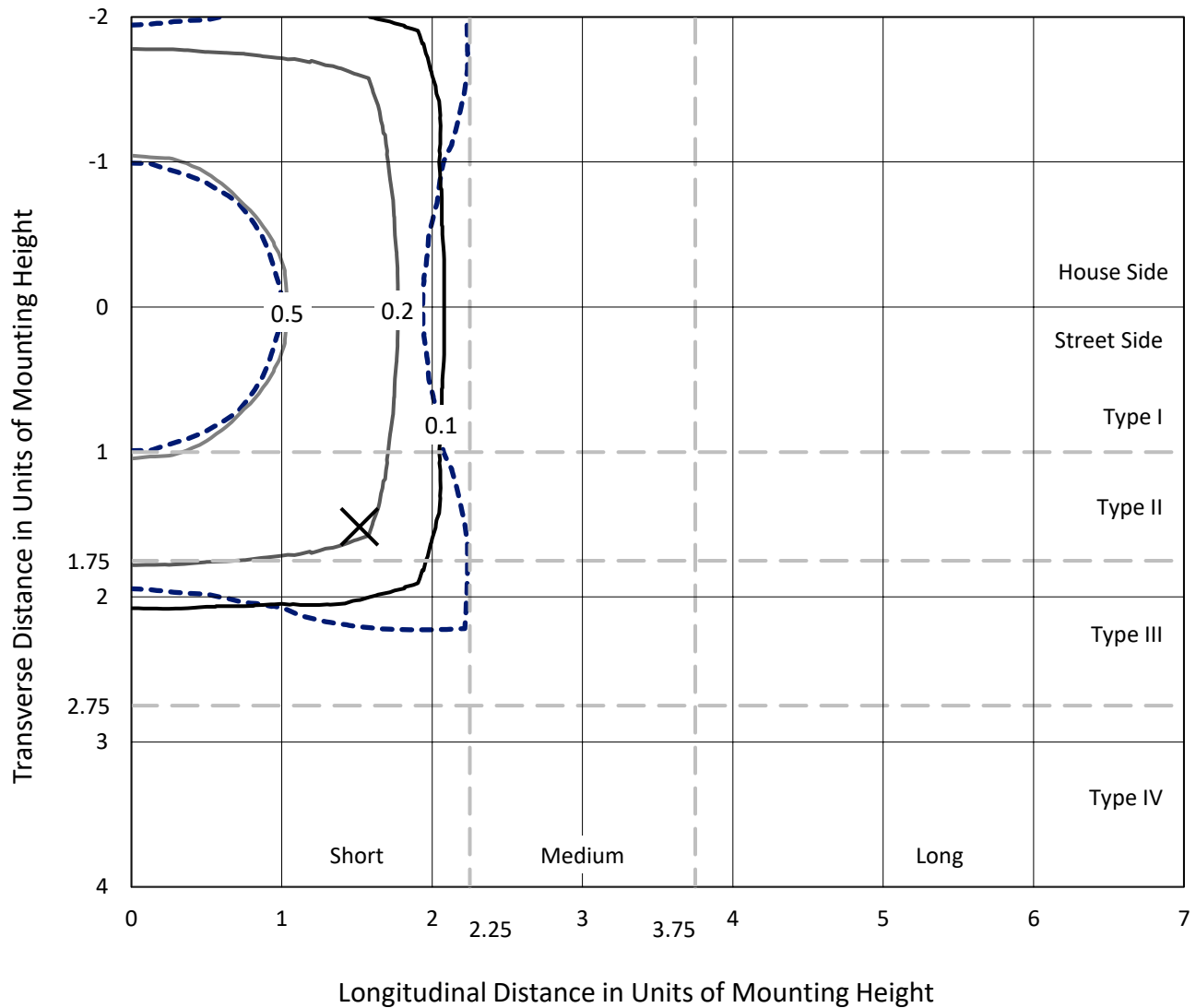


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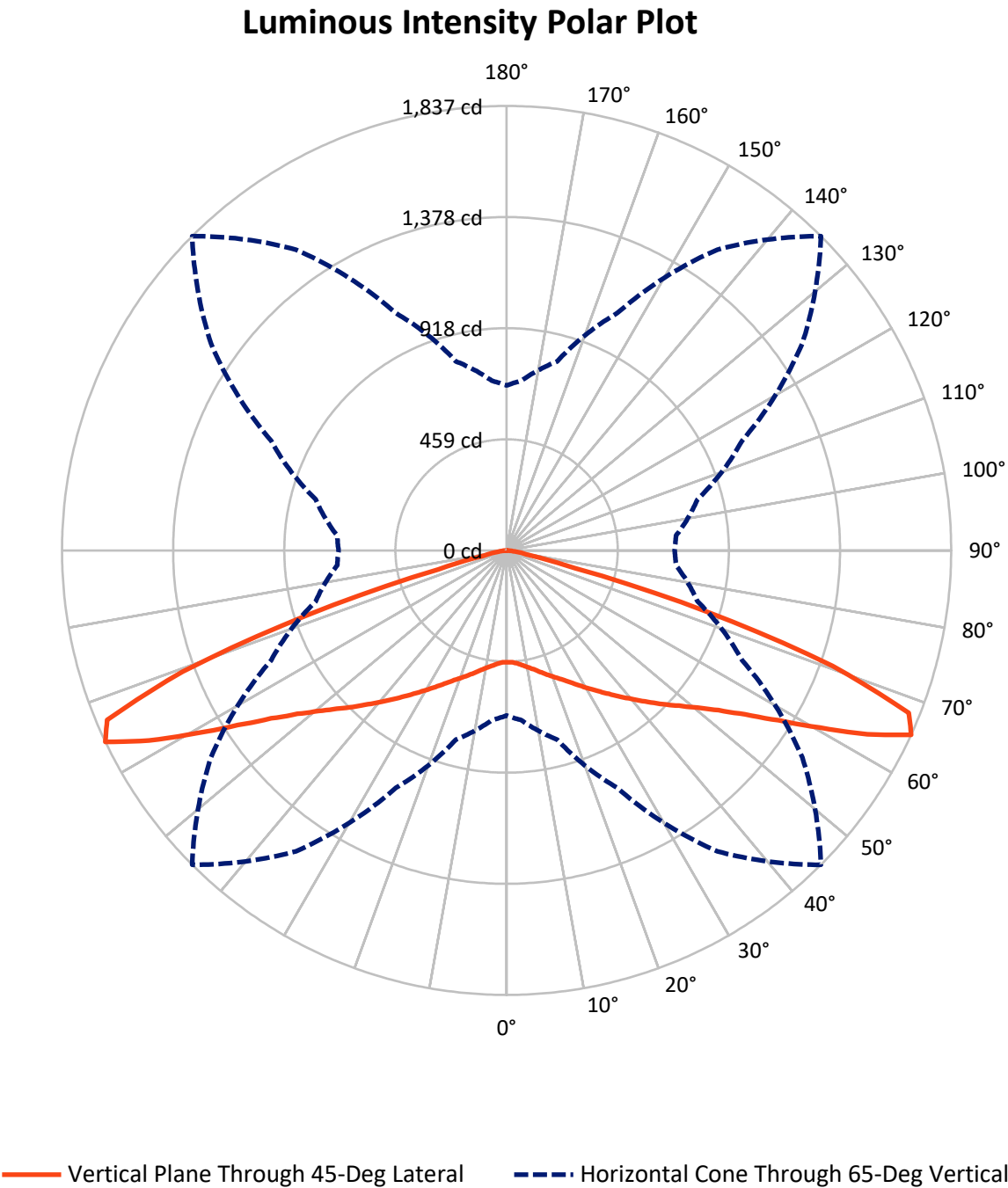
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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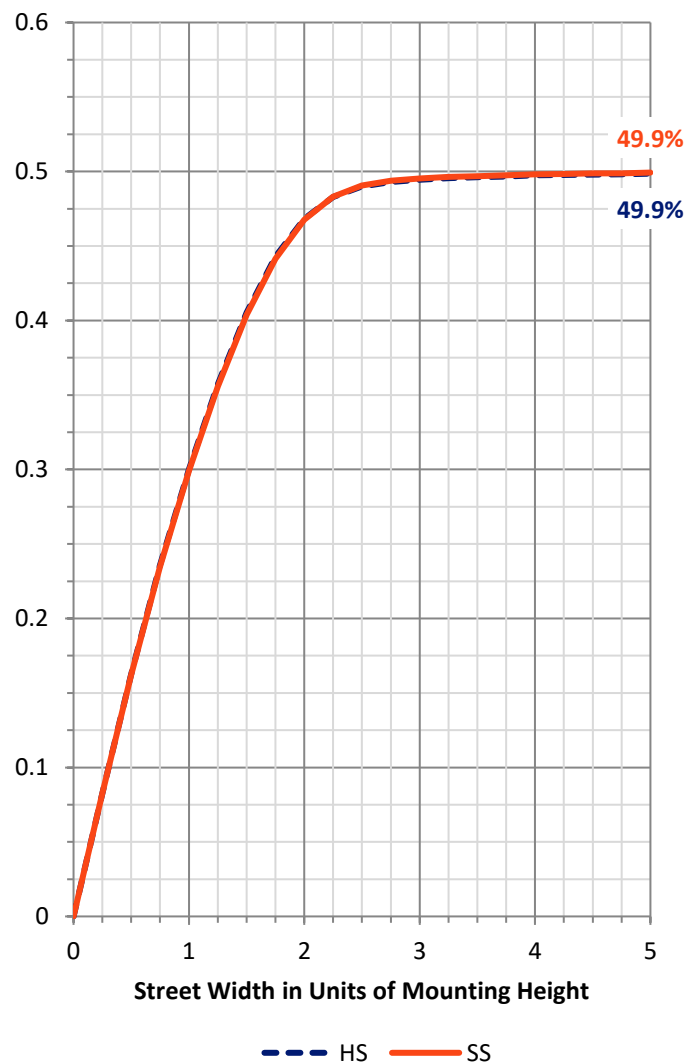
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1942.0	0.0	1942.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1942.0	0.0	1942.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3884.0	0.0	3884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.2
10°-20°	148.9	3.8
20°-30°	281.1	7.2
30°-40°	460.2	11.8
40°-50°	713.6	18.4
50°-60°	1054.1	27.1
60°-70°	1003.4	25.8
70°-80°	161.9	4.2
80°-90°	15.3	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°	3884.0	100.0
0°-180°	3884.0	100.0

Coefficient of Utilization



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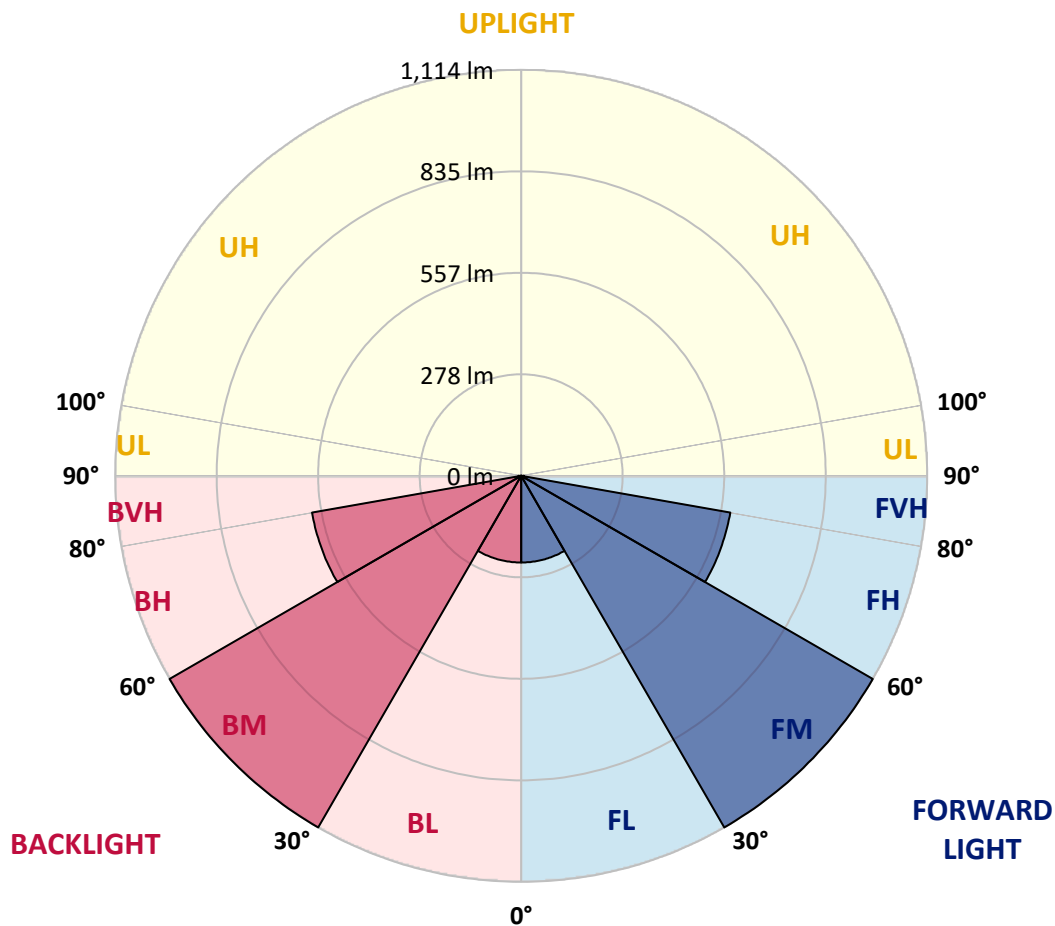
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.8	6.1			
FM	(30°-60°)	1113.9	28.7			
FH	(60°-80°)	582.7	15.0			G0/660
FVH	(80°-90°)	7.6	0.2			G0/10
BL	(0°-30°)	237.8	6.1	B1/500		
BM	(30°-60°)	1113.9	28.7	B2/2500		
BH	(60°-80°)	582.7	15.0	B2/1000		G0/660
BVH	(80°-90°)	7.6	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2	462.2
2.5°	465.4	463.8	465.0	464.0	463.2	462.4	462.8	464.2	464.8	465.0	465.0
5°	471.6	470.2	470.8	470.8	469.4	469.1	469.3	470.2	471.4	471.4	471.4
7.5°	481.7	480.4	481.7	480.9	479.8	479.4	479.2	480.0	481.7	481.7	481.1
10°	494.0	492.4	493.2	492.8	491.5	490.9	490.7	491.9	493.4	493.2	492.8
12.5°	507.4	505.7	506.7	505.5	505.1	504.5	504.5	504.3	505.3	504.5	504.9
15°	522.5	521.3	521.7	520.9	521.5	521.1	519.5	518.7	519.1	518.0	518.2
17.5°	540.2	537.5	538.8	538.4	538.4	539.2	536.7	535.7	536.5	535.3	536.3
20°	560.6	557.9	558.5	557.7	556.7	557.5	554.4	555.2	555.8	555.0	556.7
22.5°	583.1	579.5	579.4	579.7	577.6	577.8	575.6	577.6	578.8	576.6	578.8
25°	606.0	602.3	604.9	603.9	601.2	601.8	600.2	602.2	603.1	600.4	603.5
27.5°	630.4	627.9	630.2	630.8	627.5	629.8	627.5	629.2	630.2	626.1	629.2
30°	658.9	656.3	658.5	660.0	656.1	659.8	657.9	659.1	659.2	654.4	657.3
32.5°	689.8	685.9	691.4	692.2	687.9	692.4	689.8	691.4	692.4	685.8	690.2
35°	727.6	722.8	729.0	728.0	724.3	728.0	725.7	728.0	730.4	722.4	727.3
37.5°	768.4	763.3	769.9	768.2	764.7	767.2	765.8	767.4	771.1	762.5	767.8
40°	813.2	807.0	815.9	812.8	809.5	809.1	809.9	810.9	815.7	806.2	809.3
42.5°	861.1	854.5	868.0	863.1	858.4	855.3	857.8	859.8	864.4	853.7	859.4
45°	915.9	908.3	925.8	920.0	912.6	906.2	910.2	913.2	920.0	907.1	913.8
47.5°	976.3	967.7	986.4	984.7	972.6	958.6	967.9	976.3	981.4	965.8	971.0
50°	1035.4	1028.7	1053.3	1055.4	1040.6	1020.9	1034.0	1046.7	1048.0	1027.6	1030.1
52.5°	1090.7	1084.1	1119.7	1133.2	1119.9	1096.5	1110.4	1123.2	1112.9	1086.4	1087.2
55°	1134.9	1129.5	1174.9	1209.6	1214.0	1194.8	1202.9	1202.6	1168.6	1127.9	1129.3
57.5°	1145.6	1144.9	1202.2	1275.6	1322.4	1324.7	1308.6	1267.2	1194.2	1139.4	1135.9
60°	1096.9	1101.8	1180.5	1310.1	1434.8	1486.7	1416.7	1298.8	1165.1	1089.1	1080.2
62.5°	951.2	964.0	1058.9	1268.0	1525.6	1673.0	1503.4	1250.9	1045.9	946.7	940.8
65°	681.7	704.1	808.9	1082.1	1517.5	1836.7	1491.0	1073.4	816.7	702.3	693.9
67.5°	309.3	332.1	421.1	740.9	1319.1	1792.2	1316.0	748.7	442.2	333.2	328.4
70°	112.1	115.9	144.6	296.6	843.0	1428.0	879.1	298.7	153.8	123.5	122.0
72.5°	67.8	68.4	74.4	106.2	292.9	867.0	305.4	109.7	76.0	67.4	68.6
75°	43.1	42.7	53.0	64.9	103.9	292.5	108.9	64.9	52.8	48.1	48.5
77.5°	31.0	32.0	38.0	48.5	65.5	99.2	64.3	46.4	38.0	31.2	31.8
80°	23.2	23.8	27.7	37.8	46.0	61.8	40.9	34.3	28.6	19.5	20.1
82.5°	16.8	16.8	18.1	27.5	28.1	33.3	22.2	24.2	18.9	13.8	13.8
85°	9.9	9.7	11.3	16.4	14.6	12.3	10.1	14.8	11.9	8.6	8.4
87.5°	3.5	3.7	3.5	4.7	3.9	3.3	3.1	4.1	3.3	2.9	2.7
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)