

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: P950546

Luminaire Tested: **GALN-SB5A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950546
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-SB5A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19276 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 141.7
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

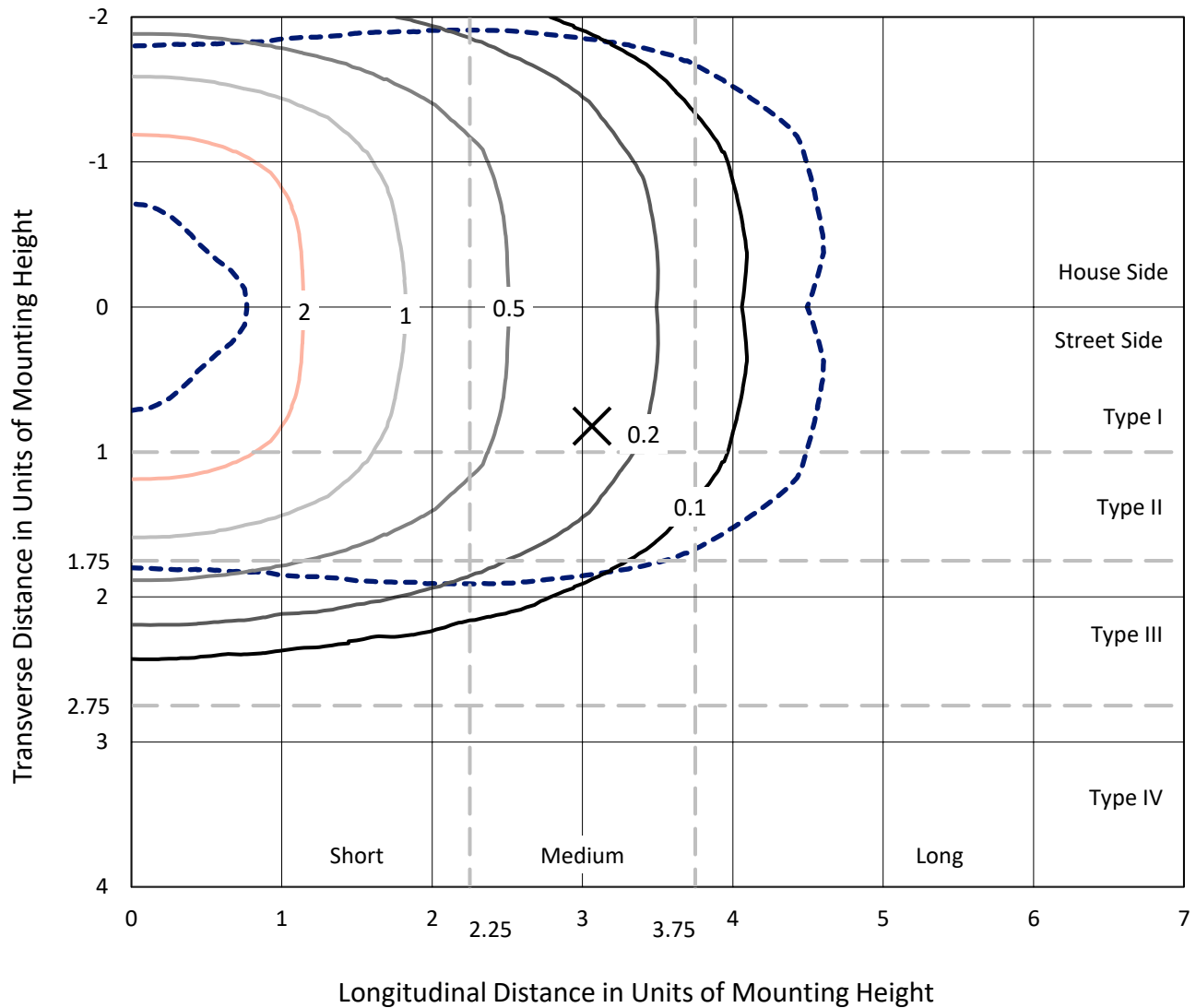


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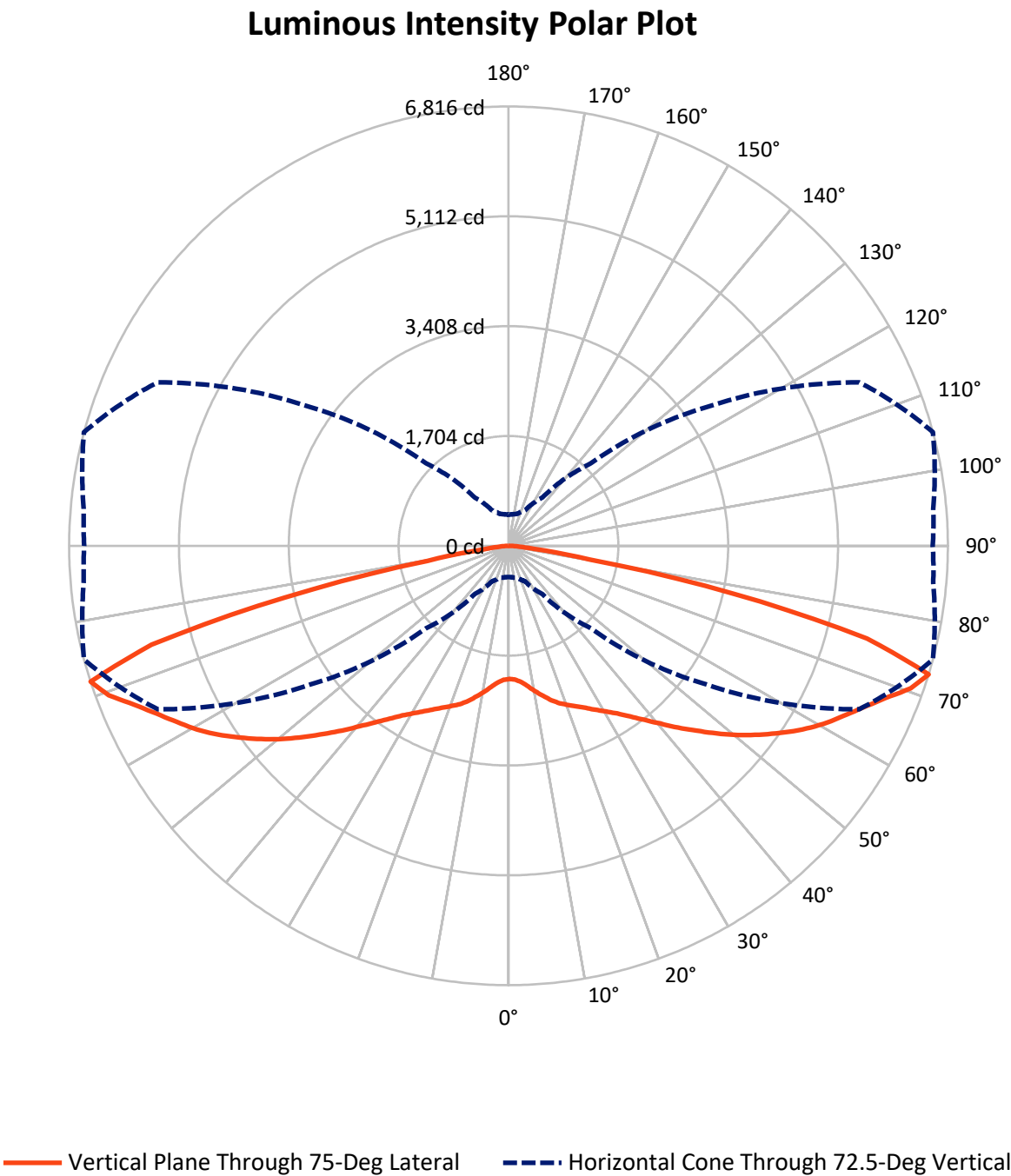
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type III - Medium - N/A

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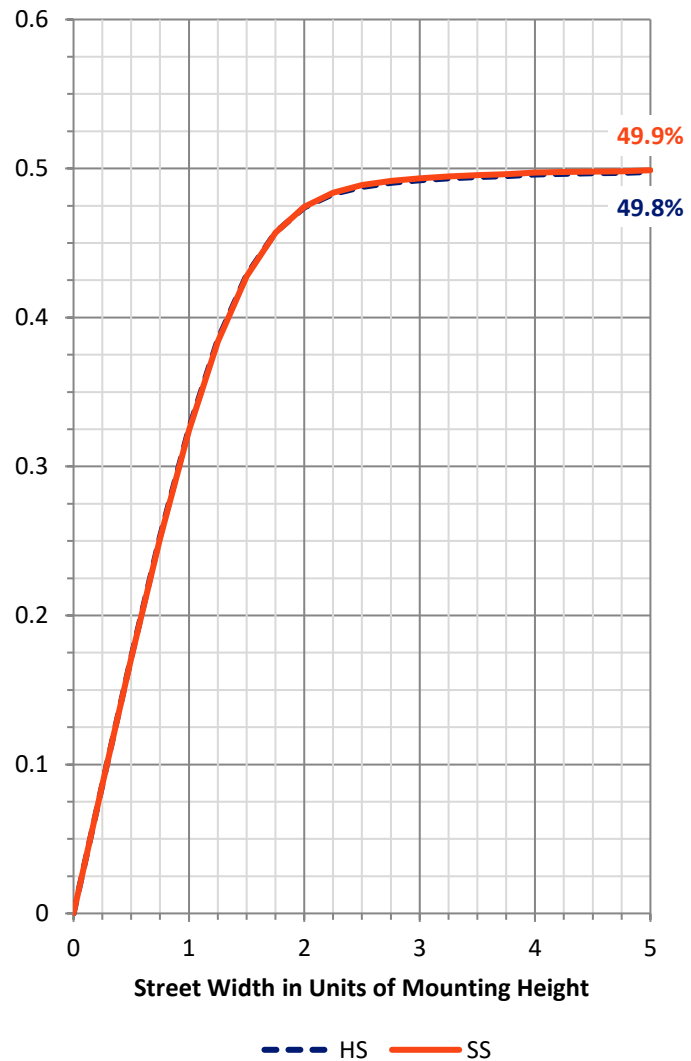
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9638.0	0.0	9638.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9638.0	0.0	9638.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19276.0	0.0	19276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	1.0
10°-20°	667.1	3.5
20°-30°	1289.1	6.7
30°-40°	2176.6	11.3
40°-50°	3451.9	17.9
50°-60°	4621.7	24.0
60°-70°	4398.4	22.8
70°-80°	2295.2	11.9
80°-90°	173.7	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°	19276.0	100.0
0°-180°	19276.0	100.0

Coefficient of Utilization



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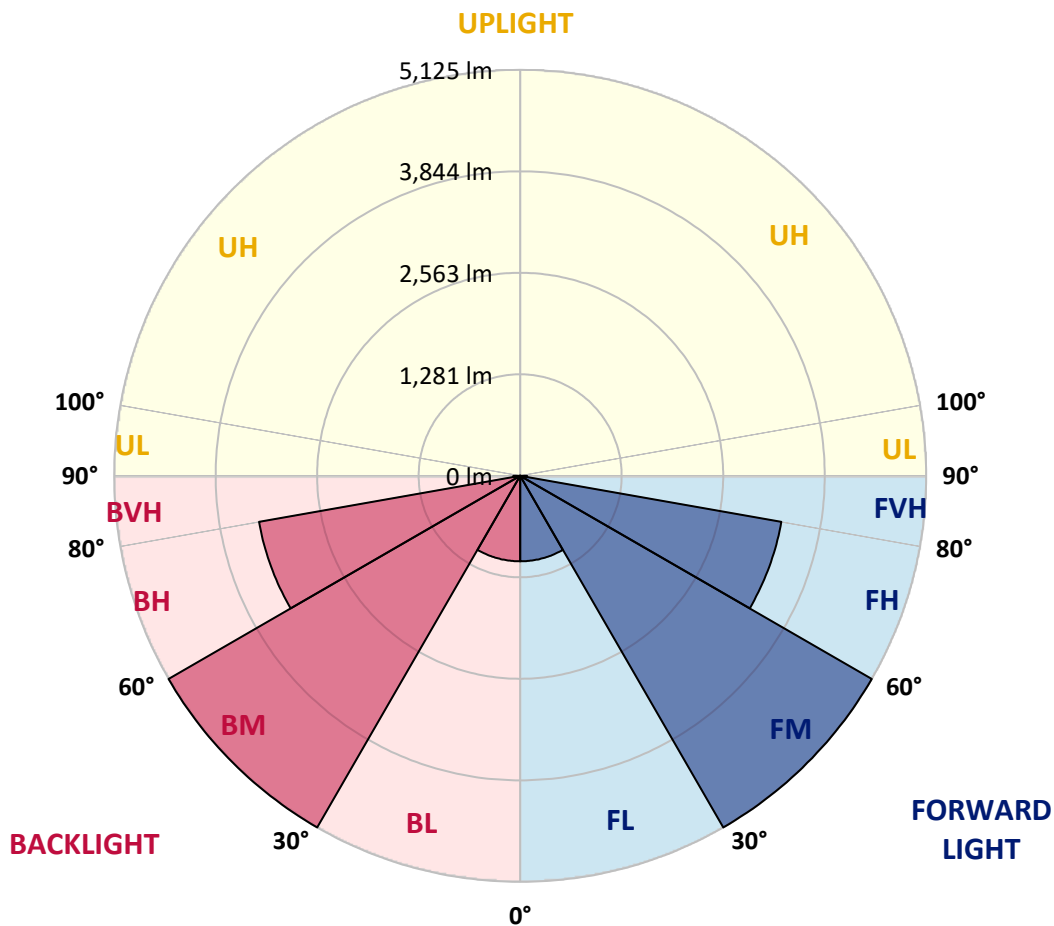
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1079.2	5.6			
FM	(30°-60°)	5125.1	26.6			
FH	(60°-80°)	3346.8	17.4			G2/5000
FVH	(80°-90°)	86.9	0.5			G1/100
BL	(0°-30°)	1079.2	5.6	B3/2500		
BM	(30°-60°)	5125.1	26.6	B4/8500		
BH	(60°-80°)	3346.8	17.4	B4/5000		G4/5000
BVH	(80°-90°)	86.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8	2064.8
2.5°	2064.8	2062.8	2064.8	2066.8	2065.8	2065.8	2070.7	2073.7	2079.6	2078.6	2077.6
5°	2051.0	2050.0	2057.9	2066.8	2073.7	2085.5	2100.2	2111.1	2124.8	2127.8	2127.8
7.5°	2044.1	2041.2	2055.0	2070.7	2092.4	2121.9	2150.4	2180.0	2203.6	2211.4	2213.4
10°	2049.1	2050.0	2068.7	2098.3	2132.7	2174.0	2214.4	2264.6	2298.1	2305.9	2313.8
12.5°	2071.7	2069.7	2101.2	2148.5	2195.7	2247.9	2295.1	2350.2	2386.6	2405.3	2413.2
15°	2113.0	2109.1	2153.4	2223.3	2292.1	2353.2	2391.6	2443.7	2486.0	2509.7	2518.5
17.5°	2162.2	2164.2	2222.3	2312.8	2403.4	2472.3	2508.7	2535.2	2567.7	2588.4	2598.2
20°	2248.8	2252.8	2317.7	2425.0	2528.4	2607.1	2636.6	2626.8	2635.6	2651.4	2663.2
22.5°	2365.0	2366.9	2439.8	2555.9	2664.2	2750.8	2770.5	2730.1	2705.5	2716.3	2724.2
25°	2499.8	2512.6	2585.4	2704.5	2815.7	2898.4	2907.3	2846.2	2785.2	2788.2	2793.1
27.5°	2664.2	2676.0	2749.8	2867.9	2981.1	3052.9	3051.9	2970.2	2880.7	2858.1	2864.9
30°	2842.3	2855.1	2930.9	3052.9	3158.2	3221.2	3207.4	3110.0	2982.1	2939.7	2944.7
32.5°	3053.9	3061.8	3138.5	3260.6	3358.0	3408.2	3379.7	3259.6	3100.2	3051.9	3063.7
35°	3309.8	3321.6	3378.7	3493.8	3579.5	3620.8	3572.6	3430.8	3251.7	3197.6	3205.5
37.5°	3602.1	3594.2	3659.2	3761.5	3832.4	3858.0	3792.0	3623.7	3424.9	3361.0	3372.8
40°	3907.2	3903.2	3974.1	4072.5	4110.9	4126.7	4029.2	3845.2	3624.7	3555.8	3578.5
42.5°	4183.7	4180.8	4276.3	4385.5	4431.8	4414.0	4291.0	4080.4	3856.0	3777.3	3797.0
45°	4405.2	4401.2	4518.4	4671.9	4762.4	4732.9	4567.6	4340.2	4090.2	4008.6	4027.3
47.5°	4575.4	4577.4	4703.4	4893.3	5051.8	5062.6	4850.0	4605.0	4348.1	4255.6	4283.1
50°	4698.5	4704.4	4839.2	5049.8	5266.3	5361.8	5138.4	4876.6	4614.8	4510.5	4542.0
52.5°	4729.0	4739.8	4902.2	5149.2	5404.1	5586.2	5431.7	5137.4	4867.7	4768.3	4793.9
55°	4566.6	4588.2	4793.9	5141.3	5488.8	5733.8	5689.5	5402.2	5122.6	5020.3	5048.8
57.5°	4193.6	4224.1	4464.2	4917.9	5470.1	5835.2	5889.3	5656.1	5377.5	5279.1	5301.8
60°	3671.0	3707.4	3937.7	4432.7	5206.3	5872.6	6030.1	5903.1	5611.8	5516.3	5537.0
62.5°	2882.7	2929.9	3205.5	3786.1	4649.3	5698.4	6150.1	6126.5	5822.4	5703.3	5717.1
65°	1849.3	1899.5	2189.8	2875.8	3906.2	5165.0	6187.5	6344.0	6044.8	5878.5	5899.2
67.5°	1115.1	1137.7	1281.4	1743.0	2855.1	4360.9	5870.6	6585.1	6304.6	6098.0	6113.7
70°	713.5	726.3	811.9	1023.5	1614.1	3181.8	5085.2	6630.4	6619.6	6323.3	6321.4
72.5°	484.2	488.2	510.8	606.3	913.3	1807.9	3750.7	6002.5	6816.4	6613.7	6582.2
75°	354.3	376.0	412.4	429.1	518.7	903.5	2149.4	4217.2	5744.6	5833.2	5618.7
77.5°	263.8	264.7	314.9	334.6	370.1	481.3	909.4	2354.2	3566.7	3744.8	3340.3
80°	223.4	211.6	210.6	269.7	278.5	300.2	406.5	812.9	1277.5	774.5	585.6
82.5°	186.0	173.2	156.5	210.6	189.9	184.0	176.2	330.7	406.5	199.8	170.3
85°	129.9	124.0	118.1	137.8	108.3	92.5	84.6	154.5	171.2	84.6	74.8
87.5°	56.1	58.1	59.1	61.0	45.3	32.5	32.5	43.3	43.3	33.5	24.6
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)