

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: P948404

Luminaire Tested: **GALN-SB3C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948404
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-SB3C-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19114 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

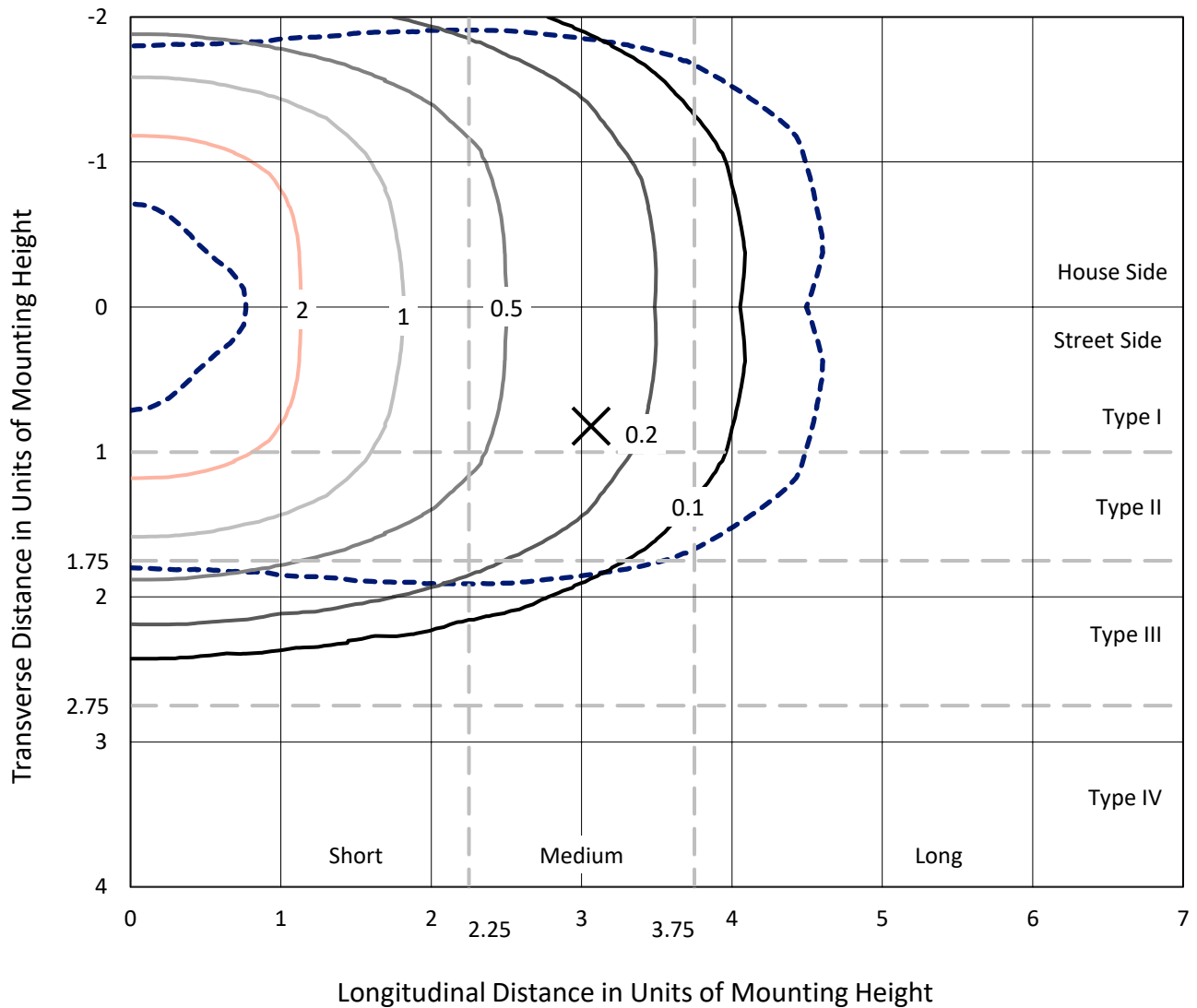
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

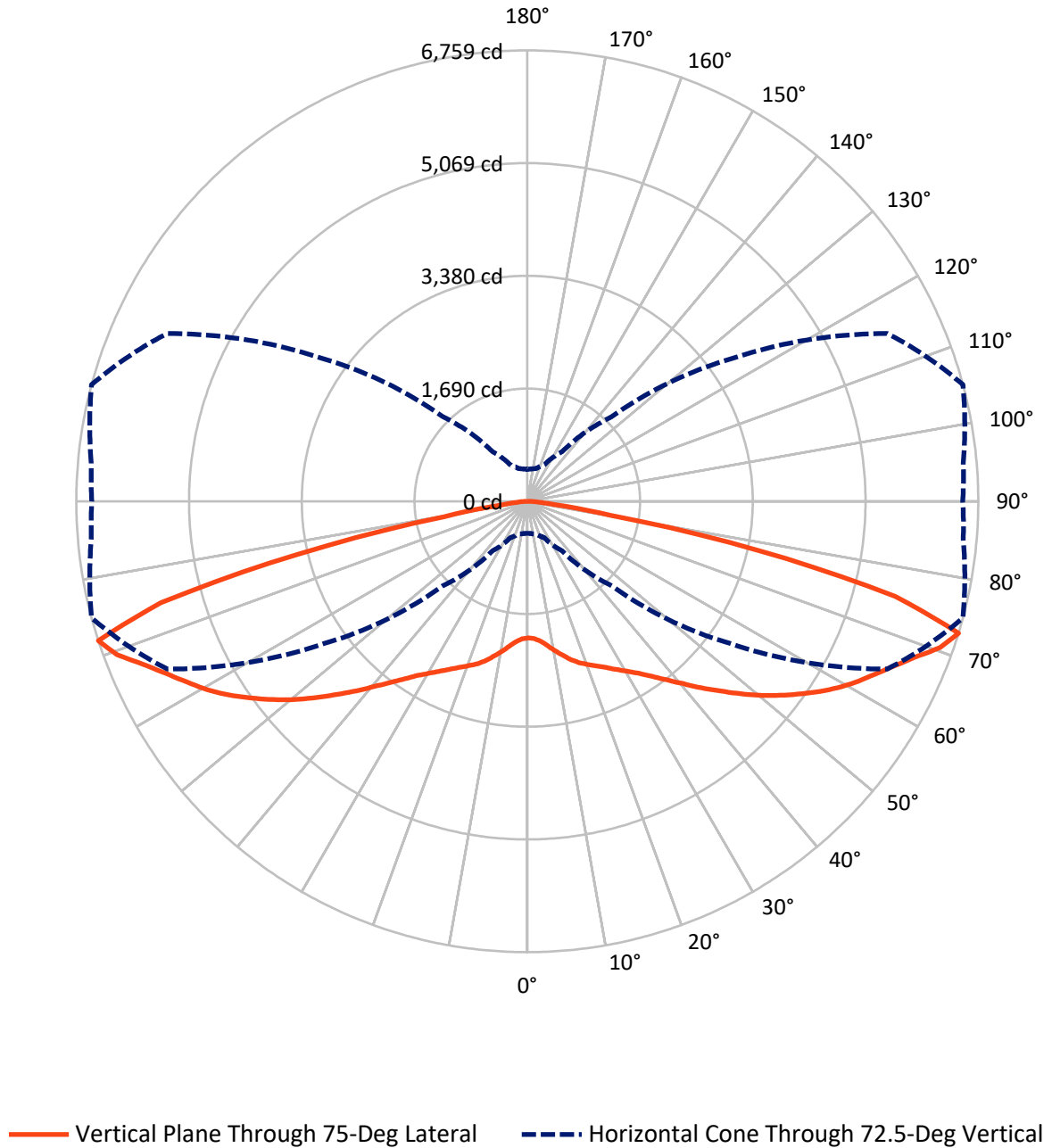
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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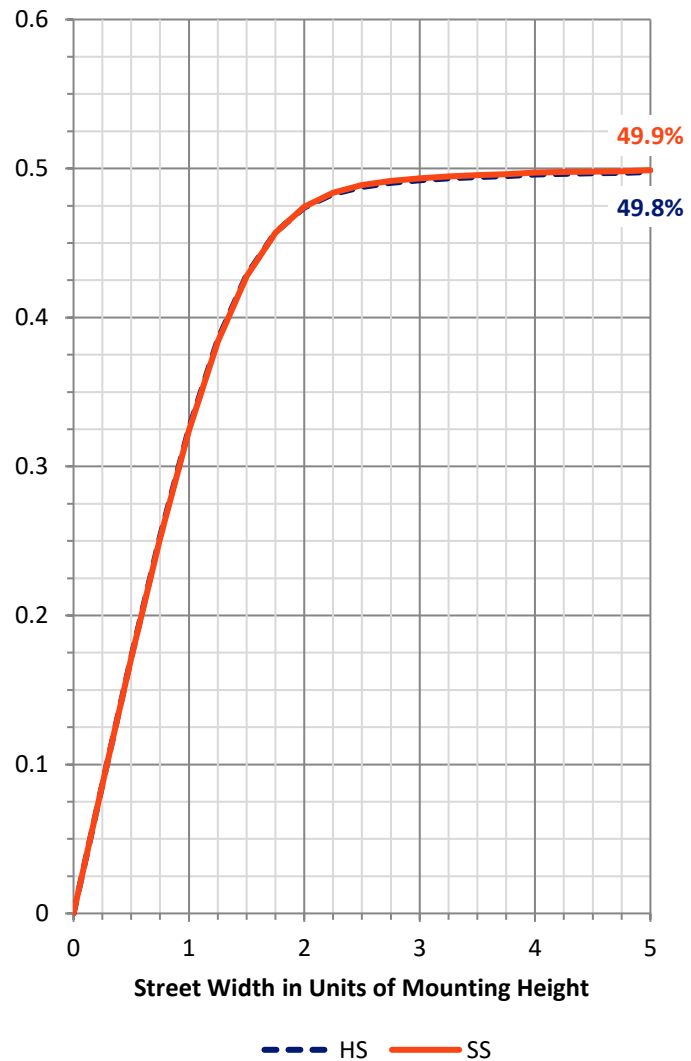
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9557.0	0.0	9557.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9557.0	0.0	9557.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19114.0	0.0	19114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	1.0
10°-20°	661.5	3.5
20°-30°	1278.2	6.7
30°-40°	2158.4	11.3
40°-50°	3422.9	17.9
50°-60°	4582.9	24.0
60°-70°	4361.4	22.8
70°-80°	2275.9	11.9
80°-90°	172.3	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°	19114.0	100.0
0°-180°	19114.0	100.0

Coefficient of Utilization



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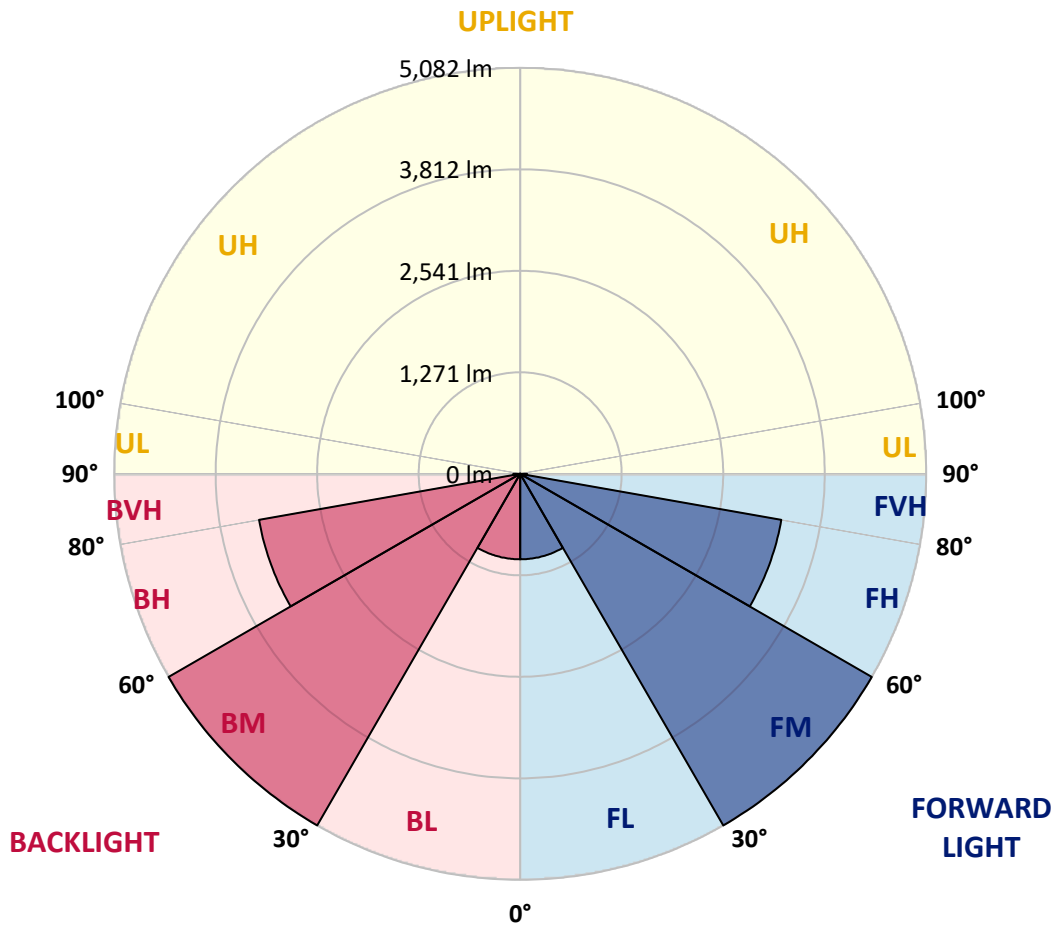
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.2	5.6			
FM (30°-60°)	5082.1	26.6			
FH (60°-80°)	3318.6	17.4			G2/5000
FVH (80°-90°)	86.1	0.5			G1/100
BL (0°-30°)	1070.2	5.6	B3/2500		
BM (30°-60°)	5082.1	26.6	B4/8500		
BH (60°-80°)	3318.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	86.1	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°	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5	2047.5
2.5°	2047.5	2045.5	2047.5	2049.4	2048.4	2048.4	2053.3	2056.2	2062.1	2061.1	2060.1
5°	2033.8	2032.8	2040.6	2049.4	2056.2	2067.9	2082.6	2093.3	2107.0	2109.9	2109.9
7.5°	2027.0	2024.0	2037.7	2053.3	2074.8	2104.1	2132.4	2161.6	2185.1	2192.9	2194.8
10°	2031.8	2032.8	2051.4	2080.6	2114.8	2155.8	2195.8	2245.6	2278.7	2286.5	2294.4
12.5°	2054.3	2052.3	2083.6	2130.4	2177.2	2229.0	2275.8	2330.5	2366.6	2385.1	2392.9
15°	2095.3	2091.4	2135.3	2204.6	2272.9	2333.4	2371.5	2423.2	2465.1	2488.6	2497.3
17.5°	2144.1	2146.0	2203.6	2293.4	2383.2	2451.5	2487.6	2513.9	2546.1	2566.6	2576.4
20°	2229.9	2233.8	2298.3	2404.6	2507.1	2585.2	2614.5	2604.7	2613.5	2629.1	2640.8
22.5°	2345.1	2347.1	2419.3	2534.4	2641.8	2727.7	2747.2	2707.2	2682.8	2693.5	2701.3
25°	2478.8	2491.5	2563.7	2681.8	2792.1	2874.0	2882.8	2822.3	2761.8	2764.7	2769.6
27.5°	2641.8	2653.5	2726.7	2843.8	2956.0	3027.3	3026.3	2945.3	2856.5	2834.0	2840.9
30°	2818.4	2831.1	2906.2	3027.3	3131.7	3194.1	3180.5	3083.9	2957.0	2915.0	2919.9
32.5°	3028.2	3036.0	3112.2	3233.2	3329.8	3379.6	3351.3	3232.2	3074.1	3026.3	3038.0
35°	3282.0	3293.7	3350.3	3464.5	3549.4	3590.4	3542.5	3402.0	3224.4	3170.7	3178.5
37.5°	3571.8	3564.0	3628.4	3729.9	3800.2	3825.6	3760.2	3593.3	3396.2	3332.7	3344.4
40°	3874.3	3870.4	3940.7	4038.3	4076.4	4092.0	3995.4	3812.9	3594.3	3525.9	3548.4
42.5°	4148.6	4145.7	4240.3	4348.6	4394.5	4376.9	4255.0	4046.1	3823.6	3745.5	3765.0
45°	4368.2	4364.3	4480.4	4632.6	4722.4	4693.1	4529.2	4303.7	4055.9	3974.9	3993.4
47.5°	4537.0	4538.9	4663.9	4852.2	5009.3	5020.1	4809.3	4566.3	4311.6	4219.8	4247.1
50°	4659.0	4664.8	4798.5	5007.4	5222.1	5316.7	5095.2	4835.6	4576.0	4472.6	4503.8
52.5°	4689.2	4700.0	4861.0	5105.9	5358.7	5539.2	5386.0	5094.2	4826.8	4728.3	4753.6
55°	4528.2	4549.7	4753.6	5098.1	5442.6	5685.6	5641.7	5356.8	5079.6	4978.1	5006.4
57.5°	4158.3	4188.6	4426.7	4876.6	5424.1	5786.1	5839.8	5608.5	5332.4	5234.8	5257.2
60°	3640.1	3676.2	3904.6	4395.5	5162.5	5823.2	5979.4	5853.5	5564.6	5470.0	5490.4
62.5°	2858.4	2905.3	3178.5	3754.3	4610.2	5650.5	6098.4	6075.0	5773.5	5655.4	5669.0
65°	1833.7	1883.5	2171.4	2851.6	3873.4	5121.6	6135.5	6290.7	5994.0	5829.1	5849.6
67.5°	1105.7	1128.1	1270.6	1728.3	2831.1	4324.2	5821.3	6529.8	6251.7	6046.7	6062.3
70°	707.5	720.2	805.1	1014.9	1600.5	3155.1	5042.5	6574.7	6563.9	6270.2	6268.2
72.5°	480.1	484.0	506.5	601.2	905.6	1792.7	3719.2	5952.1	6759.1	6558.1	6526.9
75°	351.3	372.8	408.9	425.5	514.3	895.9	2131.4	4181.8	5696.4	5784.2	5571.4
77.5°	261.5	262.5	312.3	331.8	366.9	477.2	901.7	2334.4	3536.7	3713.3	3312.2
80°	221.5	209.8	208.8	267.4	276.2	297.7	403.0	806.1	1266.7	768.0	580.7
82.5°	184.4	171.8	155.2	208.8	188.3	182.5	174.7	327.9	403.0	198.1	168.8
85°	128.8	123.0	117.1	136.6	107.3	91.7	83.9	153.2	169.8	83.9	74.2
87.5°	55.6	57.6	58.6	60.5	44.9	32.2	32.2	42.9	42.9	33.2	24.4
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)