

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: P948442

Luminaire Tested: **GALN-SB3C-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23532 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

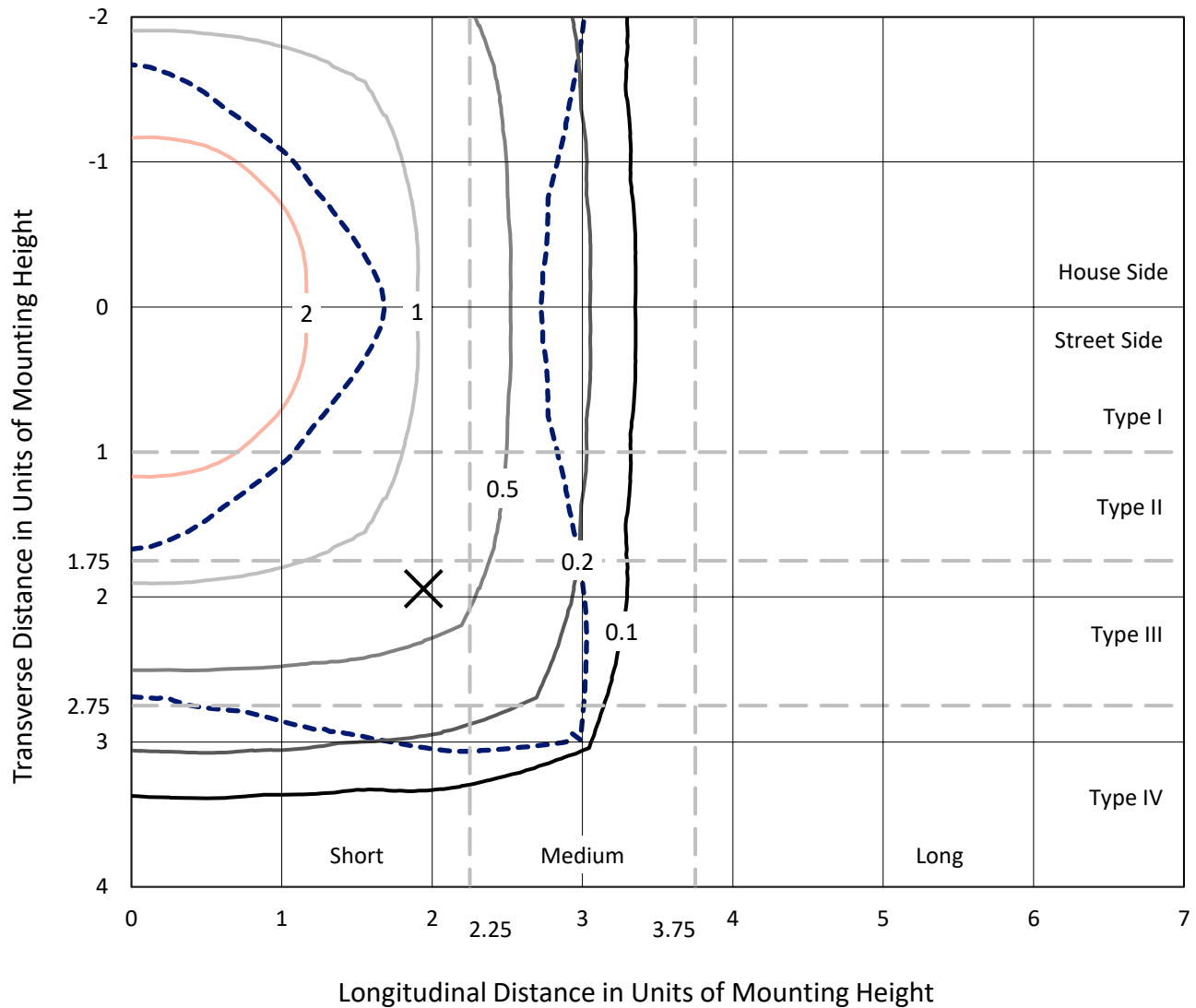


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

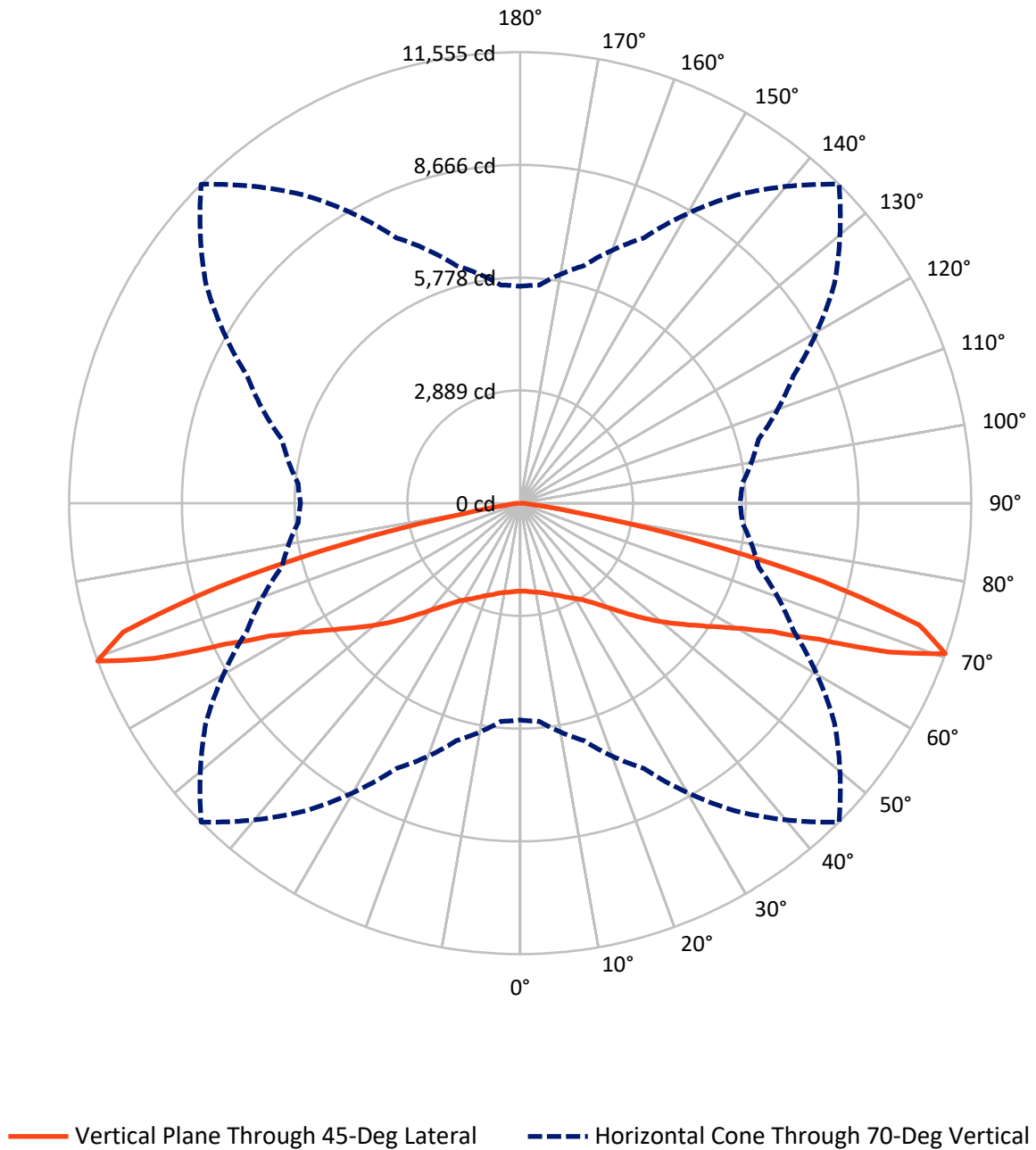


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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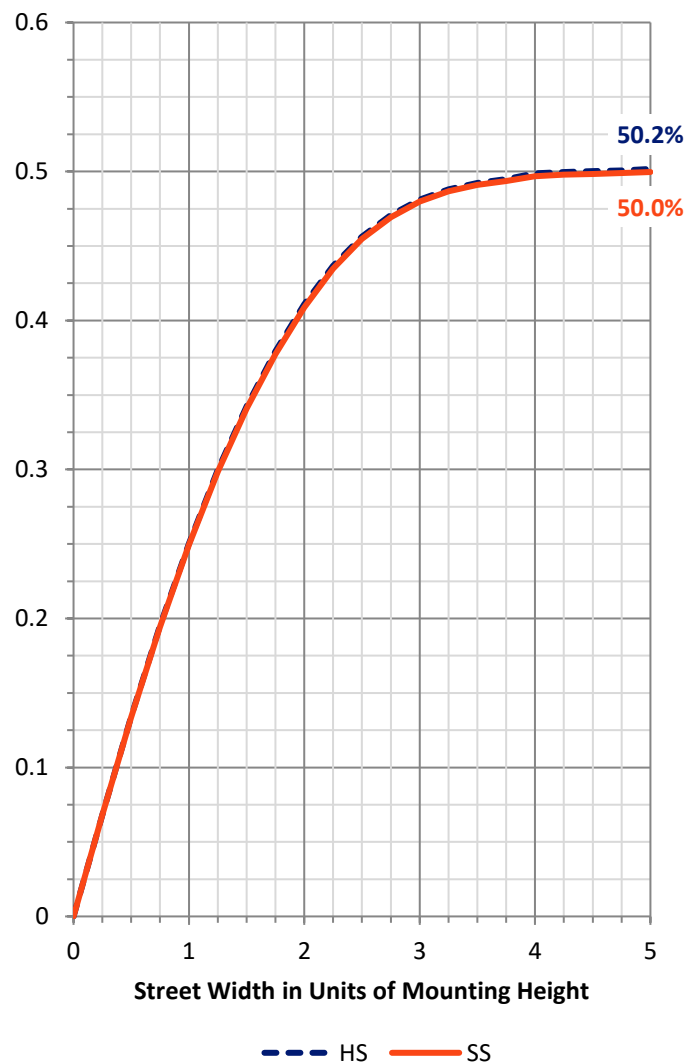
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11766.0	0.0	11766.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11766.0	0.0	11766.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23532.0	0.0	23532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	0.9
10°-20°	679.1	2.9
20°-30°	1213.5	5.2
30°-40°	1967.2	8.4
40°-50°	3204.2	13.6
50°-60°	4885.3	20.8
60°-70°	7267.7	30.9
70°-80°	3961.2	16.8
80°-90°	134.9	0.6
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°	23532.0	100.0
0°-180°	23532.0	100.0

Coefficient of Utilization



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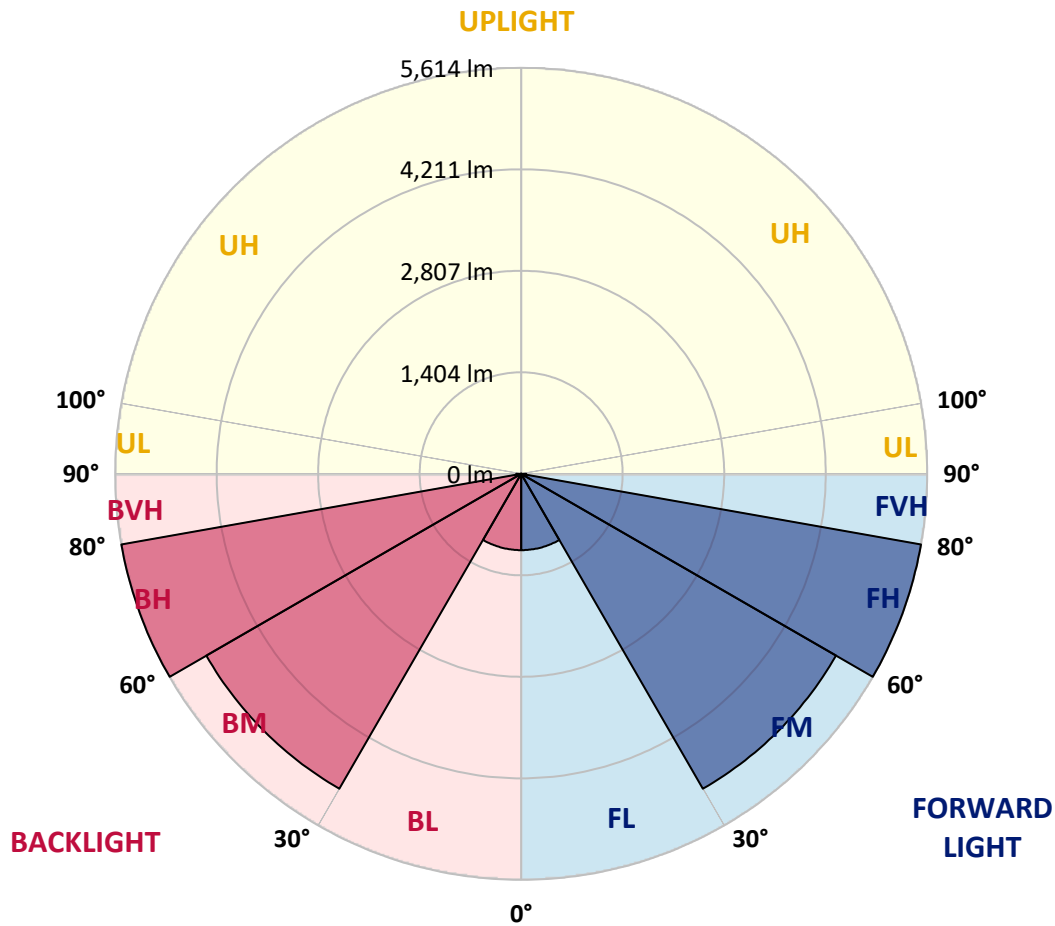
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1055.8	4.5			
FM	(30°-60°)	5028.3	21.4			
FH	(60°-80°)	5614.5	23.9			G3/7500
FVH	(80°-90°)	67.4	0.3			G1/100
BL	(0°-30°)	1055.8	4.5	B3/2500		
BM	(30°-60°)	5028.3	21.4	B4/8500		
BH	(60°-80°)	5614.5	23.9	B5		G3/7500
BVH	(80°-90°)	67.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1	2254.1
2.5°	2264.8	2267.1	2262.4	2260.0	2257.7	2254.1	2255.3	2261.2	2265.9	2264.8	2265.9
5°	2283.7	2286.0	2282.5	2281.3	2276.6	2275.4	2275.4	2281.3	2284.8	2282.5	2283.7
7.5°	2304.9	2308.5	2302.6	2301.4	2299.0	2296.7	2295.5	2301.4	2304.9	2304.9	2304.9
10°	2325.0	2328.6	2323.8	2320.3	2317.9	2317.9	2315.6	2320.3	2326.2	2325.0	2325.0
12.5°	2346.3	2348.6	2343.9	2341.5	2341.5	2345.1	2341.5	2343.9	2348.6	2346.3	2345.1
15°	2372.3	2373.4	2372.3	2375.8	2381.7	2393.5	2382.9	2380.5	2382.9	2377.0	2377.0
17.5°	2407.7	2410.1	2414.8	2423.1	2431.3	2452.6	2433.7	2427.8	2427.8	2416.0	2416.0
20°	2451.4	2455.0	2462.0	2476.2	2486.9	2506.9	2488.0	2479.8	2476.2	2460.9	2460.9
22.5°	2497.5	2503.4	2514.0	2532.9	2551.8	2570.7	2551.8	2537.7	2527.0	2506.9	2505.8
25°	2550.7	2557.7	2574.3	2605.0	2631.0	2658.2	2635.7	2607.4	2586.1	2557.7	2556.6
27.5°	2626.3	2634.5	2654.6	2692.4	2725.5	2749.1	2727.9	2691.2	2661.7	2627.4	2626.3
30°	2732.6	2740.9	2764.5	2804.7	2827.1	2842.5	2828.3	2799.9	2764.5	2725.5	2725.5
32.5°	2869.6	2880.3	2906.3	2944.1	2948.8	2951.2	2946.4	2932.2	2906.3	2859.0	2860.2
35°	3043.3	3055.1	3084.7	3115.4	3110.6	3115.4	3108.3	3103.6	3084.7	3030.3	3030.3
37.5°	3256.0	3270.1	3300.8	3324.5	3312.7	3306.8	3307.9	3309.1	3298.5	3238.2	3238.2
40°	3502.9	3521.8	3544.2	3569.0	3548.9	3531.2	3543.0	3552.5	3543.0	3481.6	3481.6
42.5°	3756.9	3784.0	3807.7	3843.1	3826.6	3804.1	3820.7	3831.3	3811.2	3745.1	3749.8
45°	4039.2	4065.2	4095.9	4149.1	4137.3	4113.7	4137.3	4139.6	4105.4	4027.4	4035.7
47.5°	4331.0	4358.2	4404.3	4475.2	4470.4	4444.4	4475.2	4458.6	4414.9	4321.6	4315.7
50°	4607.5	4645.3	4716.2	4815.4	4824.9	4793.0	4834.3	4802.4	4729.2	4612.2	4609.8
52.5°	4867.4	4907.6	5019.8	5154.5	5188.7	5147.4	5202.9	5147.4	5037.5	4887.5	4873.3
55°	5140.3	5185.2	5318.7	5494.7	5563.2	5532.5	5584.5	5500.6	5344.7	5162.7	5137.9
57.5°	5461.6	5488.8	5648.3	5857.4	5973.2	5980.3	6003.9	5862.1	5673.1	5466.4	5438.0
60°	5810.2	5848.0	6021.6	6272.1	6455.2	6514.3	6489.5	6279.2	6059.4	5822.0	5784.2
62.5°	6256.7	6298.1	6506.0	6806.1	7095.5	7242.0	7145.1	6840.3	6568.6	6283.9	6234.3
65°	6626.5	6672.6	7048.3	7583.4	8110.4	8404.5	8161.2	7600.0	7110.9	6709.2	6643.0
67.5°	6358.3	6415.0	7004.6	7987.5	9297.7	10175.4	9342.6	8108.0	7149.9	6605.2	6523.7
70°	5557.3	5610.5	6298.1	7499.6	9632.0	11555.3	9832.8	7720.5	6320.5	5710.9	5629.4
72.5°	3689.5	3860.8	4556.7	5998.0	8600.6	10692.9	8685.7	5876.3	4227.1	3681.3	3561.9
75°	1223.9	1361.0	1835.9	3109.5	5760.5	7996.9	5484.1	2751.5	1454.3	1046.7	990.0
77.5°	308.3	355.6	490.3	889.6	2297.8	4553.1	2068.6	726.6	395.8	276.4	246.9
80°	150.0	165.4	236.3	296.5	575.3	1447.2	539.9	278.8	186.7	144.1	132.3
82.5°	82.7	83.9	133.5	167.8	213.8	374.5	222.1	163.0	107.5	87.4	87.4
85°	50.8	49.6	70.9	89.8	89.8	133.5	106.3	89.8	61.4	54.3	56.7
87.5°	20.1	20.1	26.0	28.4	24.8	34.3	27.2	29.5	23.6	22.4	23.6
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)