

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: P948422

Luminaire Tested: **GALN-SB3C-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948422
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-SB3C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21840 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

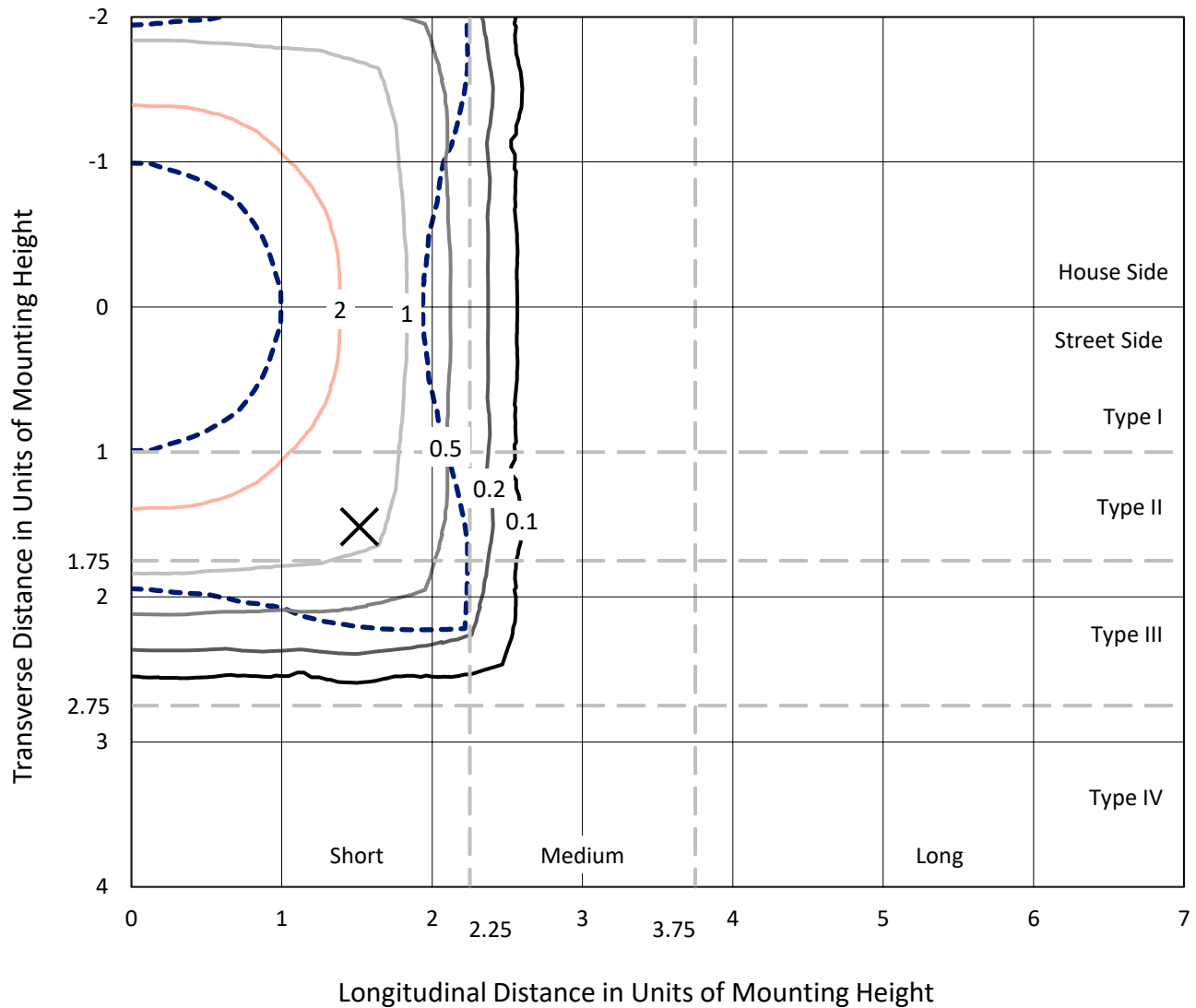


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

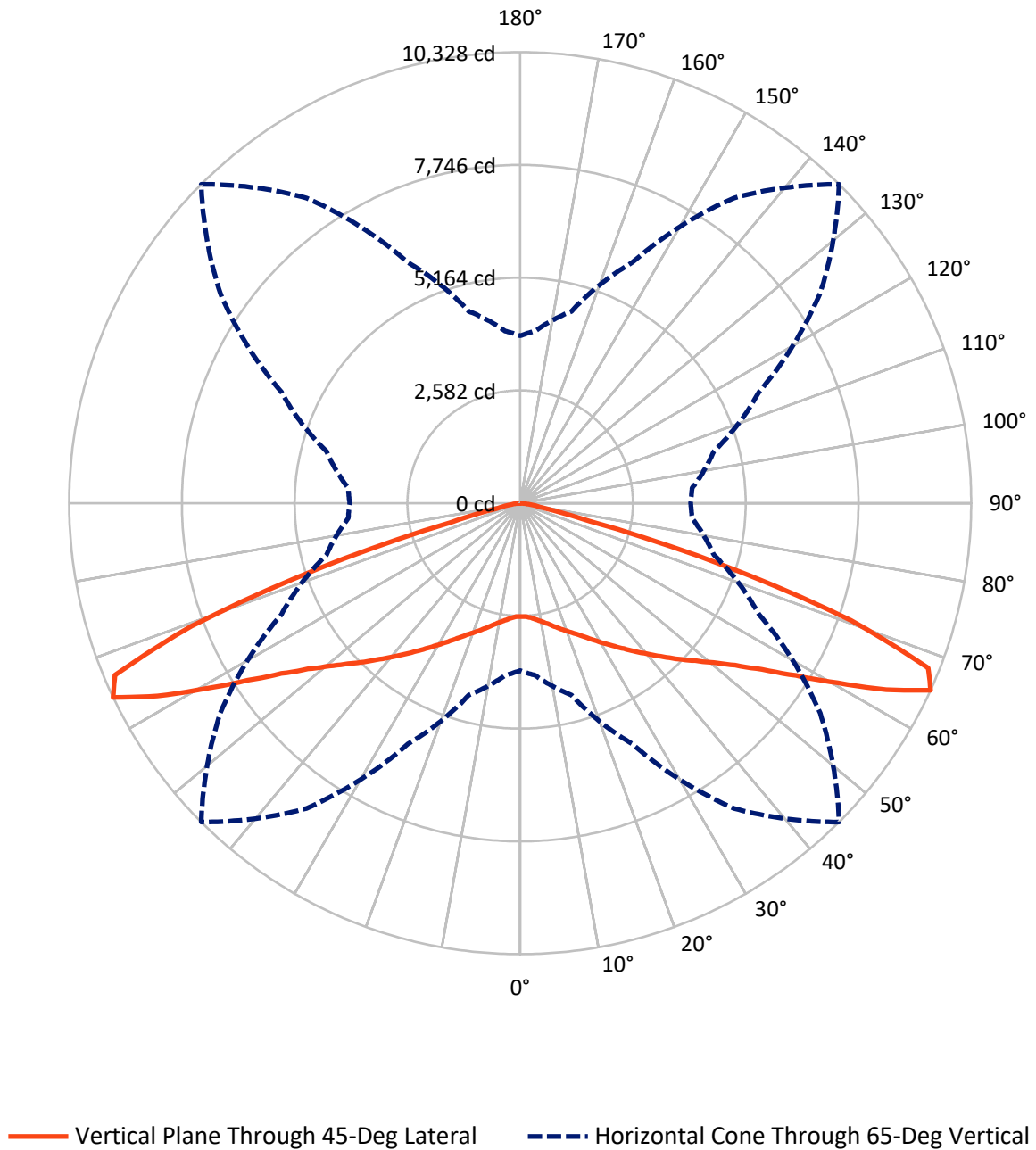


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10920.0	0.0	10920.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10920.0	0.0	10920.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21840.0	0.0	21840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.5	1.2
10°-20°	837.0	3.8
20°-30°	1580.4	7.2
30°-40°	2587.8	11.8
40°-50°	4012.5	18.4
50°-60°	5927.3	27.1
60°-70°	5642.2	25.8
70°-80°	910.4	4.2
80°-90°	85.8	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°	21840.0	100.0
0°-180°	21840.0	100.0

Coefficient of Utilization



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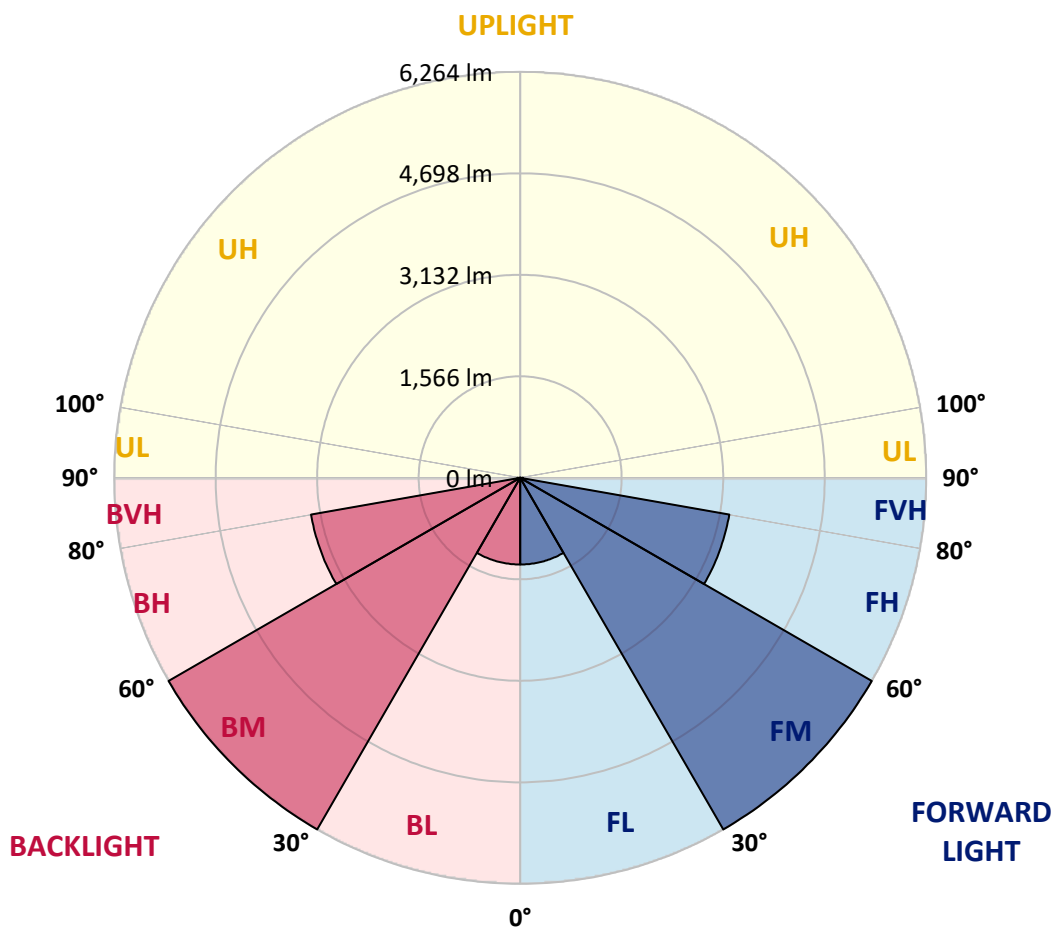
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1337.0	6.1			
FM	(30°-60°)	6263.8	28.7			
FH	(60°-80°)	3276.3	15.0			G2/5000
FVH	(80°-90°)	42.9	0.2			G1/100
BL	(0°-30°)	1337.0	6.1	B3/2500		
BM	(30°-60°)	6263.8	28.7	B4/8500		
BH	(60°-80°)	3276.3	15.0	B4/5000		G2/5000
BVH	(80°-90°)	42.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2	2599.2
2.5°	2616.7	2607.9	2614.5	2609.0	2604.7	2600.3	2602.5	2610.1	2613.4	2614.5	2614.5
5°	2651.8	2644.1	2647.4	2647.4	2639.7	2637.5	2638.6	2644.1	2650.7	2650.7	2650.7
7.5°	2708.8	2701.1	2708.8	2704.4	2697.8	2695.6	2694.5	2698.9	2708.8	2708.8	2705.5
10°	2777.8	2769.0	2773.4	2771.2	2763.5	2760.3	2759.2	2765.7	2774.5	2773.4	2771.2
12.5°	2853.4	2843.5	2849.0	2842.4	2840.2	2837.0	2837.0	2835.9	2841.3	2837.0	2839.2
15°	2937.8	2931.2	2933.4	2929.0	2932.3	2930.1	2921.3	2917.0	2919.1	2912.6	2913.7
17.5°	3037.5	3022.1	3029.8	3027.6	3027.6	3032.0	3017.8	3012.3	3016.7	3010.1	3015.6
20°	3152.5	3137.2	3140.5	3136.1	3130.6	3135.0	3117.5	3121.9	3125.2	3120.8	3130.6
22.5°	3278.6	3258.8	3257.7	3259.9	3247.9	3249.0	3236.9	3247.9	3254.5	3242.4	3254.5
25°	3407.9	3387.0	3401.3	3395.8	3380.5	3383.8	3375.0	3385.9	3391.4	3376.1	3393.6
27.5°	3544.8	3530.6	3543.7	3547.0	3528.4	3541.5	3528.4	3538.3	3543.7	3520.7	3538.3
30°	3704.8	3690.6	3702.6	3711.4	3689.5	3710.3	3699.3	3705.9	3707.0	3679.6	3696.0
32.5°	3879.0	3857.1	3887.8	3892.2	3868.1	3893.3	3879.0	3887.8	3893.3	3856.0	3881.2
35°	4091.6	4064.2	4099.3	4093.8	4073.0	4093.8	4080.7	4093.8	4107.0	4062.0	4089.4
37.5°	4320.6	4292.2	4329.4	4319.5	4299.8	4314.1	4306.4	4315.2	4336.0	4287.8	4317.4
40°	4572.7	4537.6	4588.0	4570.5	4551.8	4549.7	4554.0	4559.5	4586.9	4533.2	4550.8
42.5°	4842.2	4805.0	4880.6	4853.2	4826.9	4809.4	4823.6	4834.6	4860.9	4800.6	4832.4
45°	5150.1	5107.4	5206.0	5173.2	5131.5	5095.4	5118.4	5134.8	5173.2	5100.8	5138.1
47.5°	5489.8	5441.6	5546.8	5537.0	5469.0	5390.1	5442.7	5489.8	5518.3	5430.7	5460.2
50°	5821.9	5784.6	5922.7	5934.7	5851.4	5740.8	5814.2	5885.4	5893.1	5778.0	5792.3
52.5°	6133.1	6095.8	6296.3	6371.9	6297.4	6165.9	6243.7	6316.0	6258.0	6108.9	6113.3
55°	6381.8	6351.1	6606.4	6801.5	6826.7	6718.2	6764.2	6762.0	6571.4	6342.3	6350.0
57.5°	6442.1	6437.7	6759.8	7172.9	7435.9	7449.1	7358.1	7125.8	6714.9	6407.0	6387.3
60°	6168.1	6195.5	6638.2	7366.9	8068.2	8359.7	7966.3	7303.3	6551.6	6124.3	6073.9
62.5°	5348.5	5420.8	5954.4	7130.2	8578.8	9407.2	8453.9	7033.8	5881.0	5323.3	5290.4
65°	3833.0	3959.0	4548.6	6084.8	8532.8	10327.7	8383.8	6035.5	4592.4	3949.2	3902.1
67.5°	1739.0	1867.2	2368.0	4166.1	7417.3	10077.8	7399.8	4210.0	2486.3	1873.8	1846.4
70°	630.1	652.0	813.1	1667.8	4740.3	8029.8	4943.0	1679.8	864.6	694.7	686.0
72.5°	381.3	384.6	418.6	597.2	1646.9	4875.1	1717.1	616.9	427.4	379.1	385.7
75°	242.2	240.0	298.1	364.9	584.0	1644.8	612.5	364.9	297.0	270.7	272.8
77.5°	174.2	179.7	213.7	272.8	368.2	557.7	361.6	260.8	213.7	175.3	178.6
80°	130.4	133.7	155.6	212.6	258.6	347.4	230.1	192.9	161.1	109.6	112.9
82.5°	94.2	94.2	101.9	154.5	157.8	187.4	124.9	135.9	106.3	77.8	77.8
85°	55.9	54.8	63.6	92.0	82.2	69.0	57.0	83.3	66.8	48.2	47.1
87.5°	19.7	20.8	19.7	26.3	21.9	18.6	17.5	23.0	18.6	16.4	15.3
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)