

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: P948065

Luminaire Tested: **GALN-SB3B-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948065
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-SB3B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16421 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 109.2
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

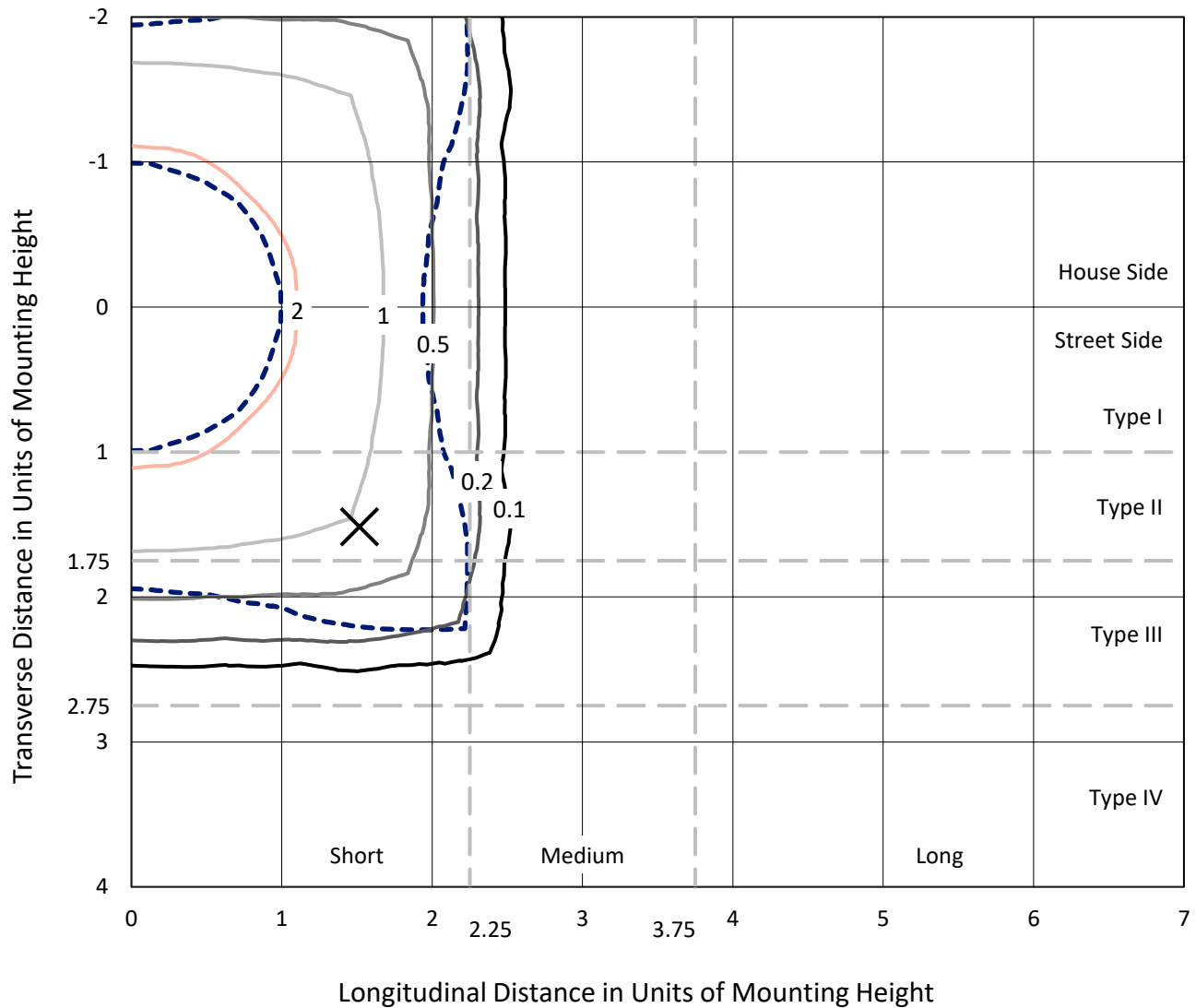


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

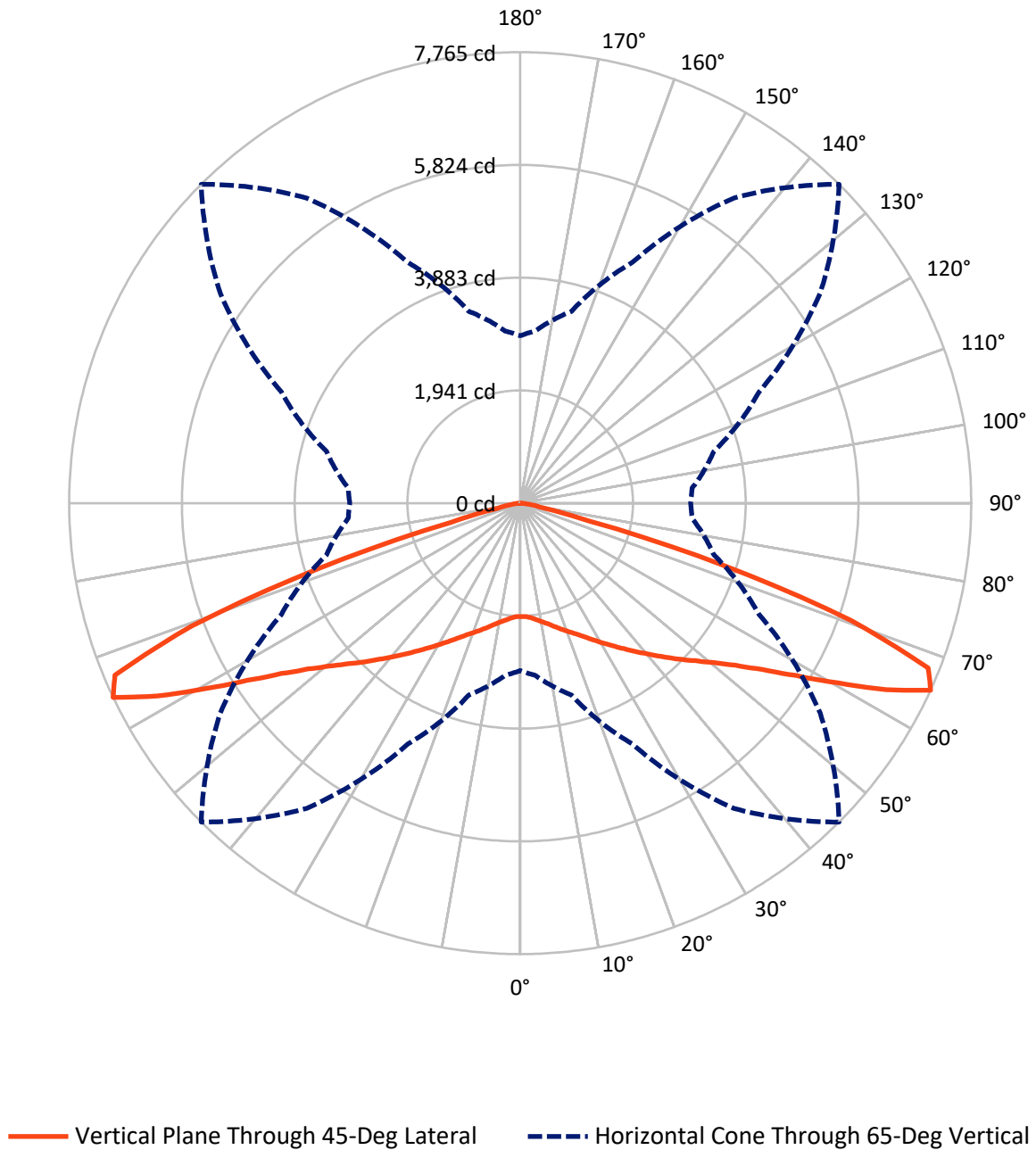


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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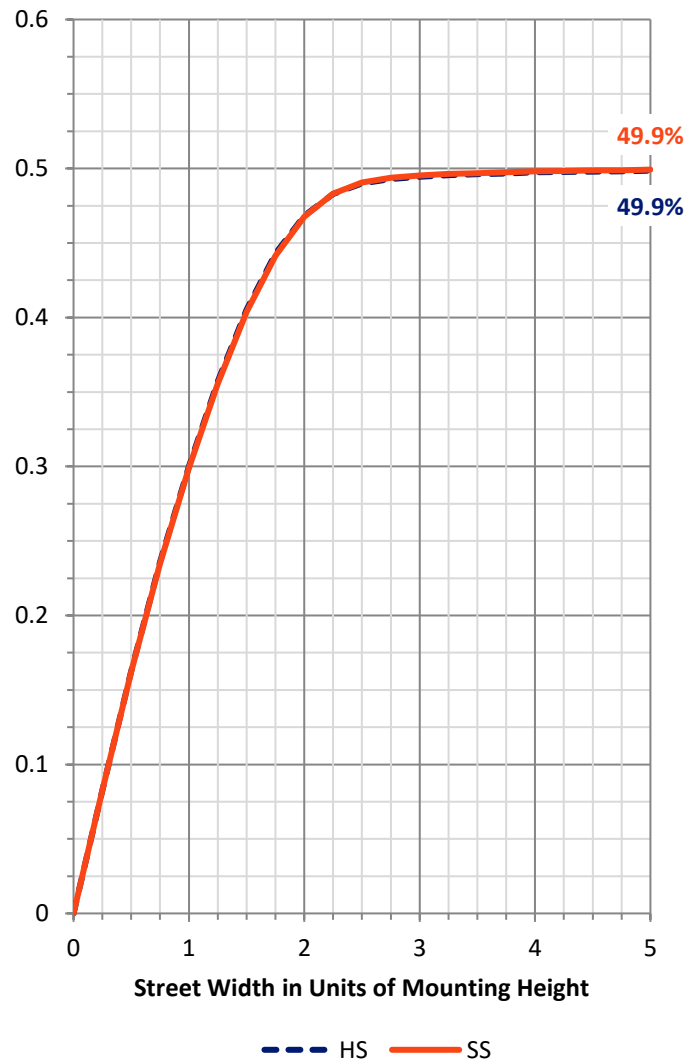
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8210.5	0.0	8210.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8210.5	0.0	8210.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16421.0	0.0	16421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	1.2
10°-20°	629.3	3.8
20°-30°	1188.3	7.2
30°-40°	1945.7	11.8
40°-50°	3016.9	18.4
50°-60°	4456.6	27.1
60°-70°	4242.2	25.8
70°-80°	684.5	4.2
80°-90°	64.5	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°	16421.0	100.0
0°-180°	16421.0	100.0

Coefficient of Utilization



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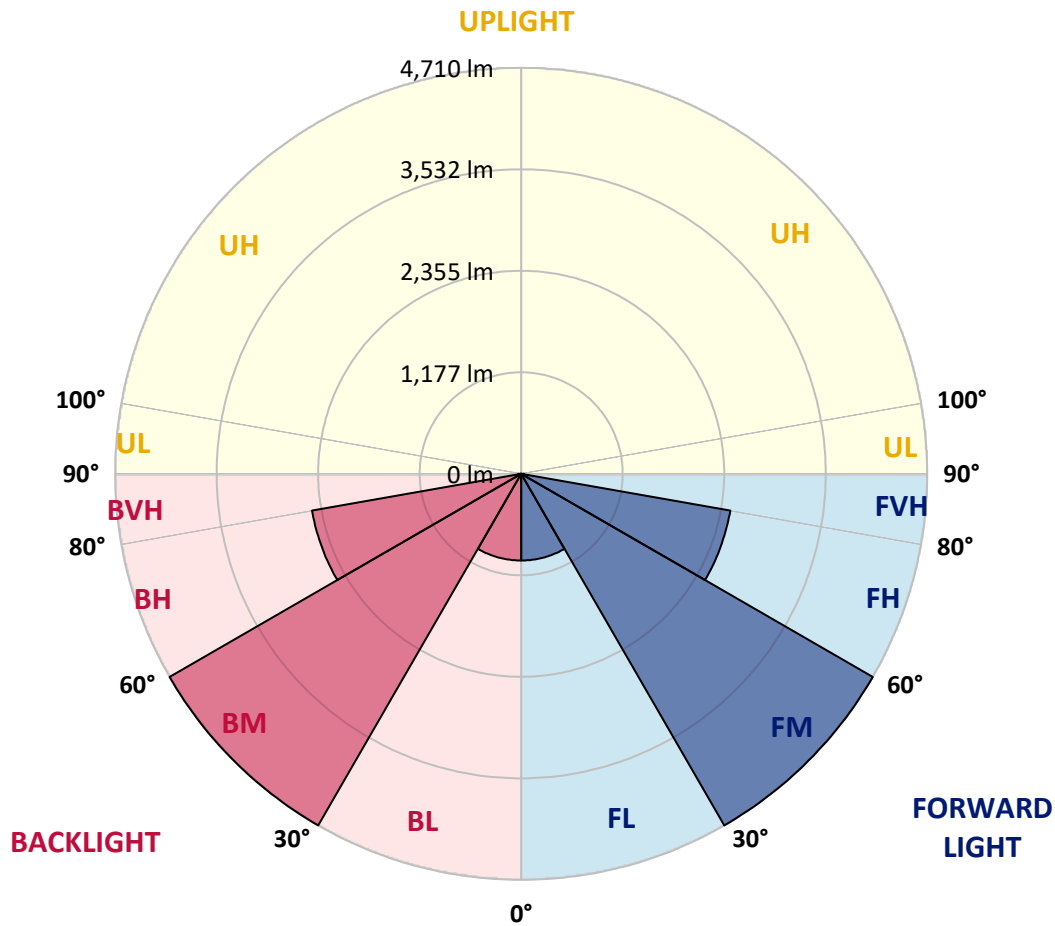
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1005.2	6.1			
FM	(30°-60°)	4709.6	28.7			
FH	(60°-80°)	2463.4	15.0			G2/5000
FVH	(80°-90°)	32.3	0.2			G1/100
BL	(0°-30°)	1005.2	6.1	B3/2500		
BM	(30°-60°)	4709.6	28.7	B3/5000		
BH	(60°-80°)	2463.4	15.0	B3/2500		G2/5000
BVH	(80°-90°)	32.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3	1954.3
2.5°	1967.4	1960.9	1965.8	1961.7	1958.4	1955.1	1956.7	1962.5	1965.0	1965.8	1965.8
5°	1993.8	1988.0	1990.5	1990.5	1984.7	1983.1	1983.9	1988.0	1993.0	1993.0	1993.0
7.5°	2036.7	2030.9	2036.7	2033.4	2028.4	2026.8	2025.9	2029.2	2036.7	2036.7	2034.2
10°	2088.6	2082.0	2085.3	2083.6	2077.8	2075.4	2074.6	2079.5	2086.1	2085.3	2083.6
12.5°	2145.4	2138.0	2142.1	2137.2	2135.5	2133.0	2133.0	2132.2	2136.3	2133.0	2134.7
15°	2208.8	2203.9	2205.5	2202.3	2204.7	2203.1	2196.5	2193.2	2194.8	2189.9	2190.7
17.5°	2283.8	2272.3	2278.1	2276.4	2276.4	2279.7	2269.0	2264.9	2268.2	2263.2	2267.3
20°	2370.3	2358.8	2361.3	2358.0	2353.8	2357.1	2344.0	2347.3	2349.7	2346.4	2353.8
22.5°	2465.1	2450.2	2449.4	2451.1	2442.0	2442.8	2433.8	2442.0	2446.9	2437.9	2446.9
25°	2562.3	2546.6	2557.3	2553.2	2541.7	2544.2	2537.6	2545.8	2549.9	2538.4	2551.6
27.5°	2665.3	2654.6	2664.5	2666.9	2652.9	2662.8	2652.9	2660.3	2664.5	2647.2	2660.3
30°	2785.6	2774.9	2783.9	2790.5	2774.0	2789.7	2781.4	2786.4	2787.2	2766.6	2779.0
32.5°	2916.6	2900.1	2923.2	2926.5	2908.3	2927.3	2916.6	2923.2	2927.3	2899.3	2918.2
35°	3076.4	3055.8	3082.2	3078.0	3062.4	3078.0	3068.2	3078.0	3087.9	3054.2	3074.8
37.5°	3248.6	3227.2	3255.2	3247.8	3232.9	3243.6	3237.9	3244.5	3260.1	3223.9	3246.1
40°	3438.1	3411.7	3449.6	3436.4	3422.4	3420.8	3424.1	3428.2	3448.8	3408.4	3421.6
42.5°	3640.8	3612.8	3669.6	3649.0	3629.2	3616.0	3626.8	3635.0	3654.8	3609.5	3633.3
45°	3872.3	3840.1	3914.3	3889.6	3858.3	3831.1	3848.4	3860.7	3889.6	3835.2	3863.2
47.5°	4127.7	4091.4	4170.5	4163.1	4112.0	4052.7	4092.3	4127.7	4149.1	4083.2	4105.4
50°	4377.3	4349.3	4453.1	4462.2	4399.6	4316.4	4371.6	4425.1	4430.9	4344.4	4355.1
52.5°	4611.3	4583.3	4734.1	4790.9	4734.9	4636.0	4694.5	4748.9	4705.2	4593.2	4596.5
55°	4798.3	4775.3	4967.2	5113.9	5132.8	5051.3	5085.9	5084.2	4940.9	4768.7	4774.4
57.5°	4843.6	4840.3	5082.6	5393.2	5590.9	5600.8	5532.4	5357.7	5048.8	4817.3	4802.4
60°	4637.7	4658.3	4991.1	5539.0	6066.3	6285.4	5989.7	5491.2	4926.0	4604.7	4566.8
62.5°	4021.4	4075.8	4477.0	5361.0	6450.2	7073.1	6356.3	5288.5	4421.8	4002.4	3977.7
65°	2882.0	2976.7	3420.0	4575.1	6415.6	7765.1	6303.6	4538.0	3452.9	2969.3	2933.9
67.5°	1307.5	1403.9	1780.4	3132.4	5576.9	7577.3	5563.7	3165.4	1869.4	1408.8	1388.3
70°	473.7	490.2	611.3	1254.0	3564.1	6037.5	3716.6	1263.0	650.0	522.3	515.8
72.5°	286.7	289.2	314.7	449.0	1238.3	3665.5	1291.0	463.8	321.3	285.1	290.0
75°	182.1	180.4	224.1	274.4	439.1	1236.7	460.6	274.4	223.3	203.5	205.1
77.5°	131.0	135.1	160.7	205.1	276.8	419.4	271.9	196.1	160.7	131.8	134.3
80°	98.0	100.5	117.0	159.8	194.4	261.2	173.0	145.0	121.1	82.4	84.9
82.5°	70.9	70.9	76.6	116.2	118.6	140.9	93.9	102.2	79.9	58.5	58.5
85°	42.0	41.2	47.8	69.2	61.8	51.9	42.8	62.6	50.3	36.3	35.4
87.5°	14.8	15.7	14.8	19.8	16.5	14.0	13.2	17.3	14.0	12.4	11.5
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)