

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: P948131

Luminaire Tested: **GALN-SB3B-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948131
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-SB3B-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18406 lumens
Efficiency: N/A
Efficacy: 168.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

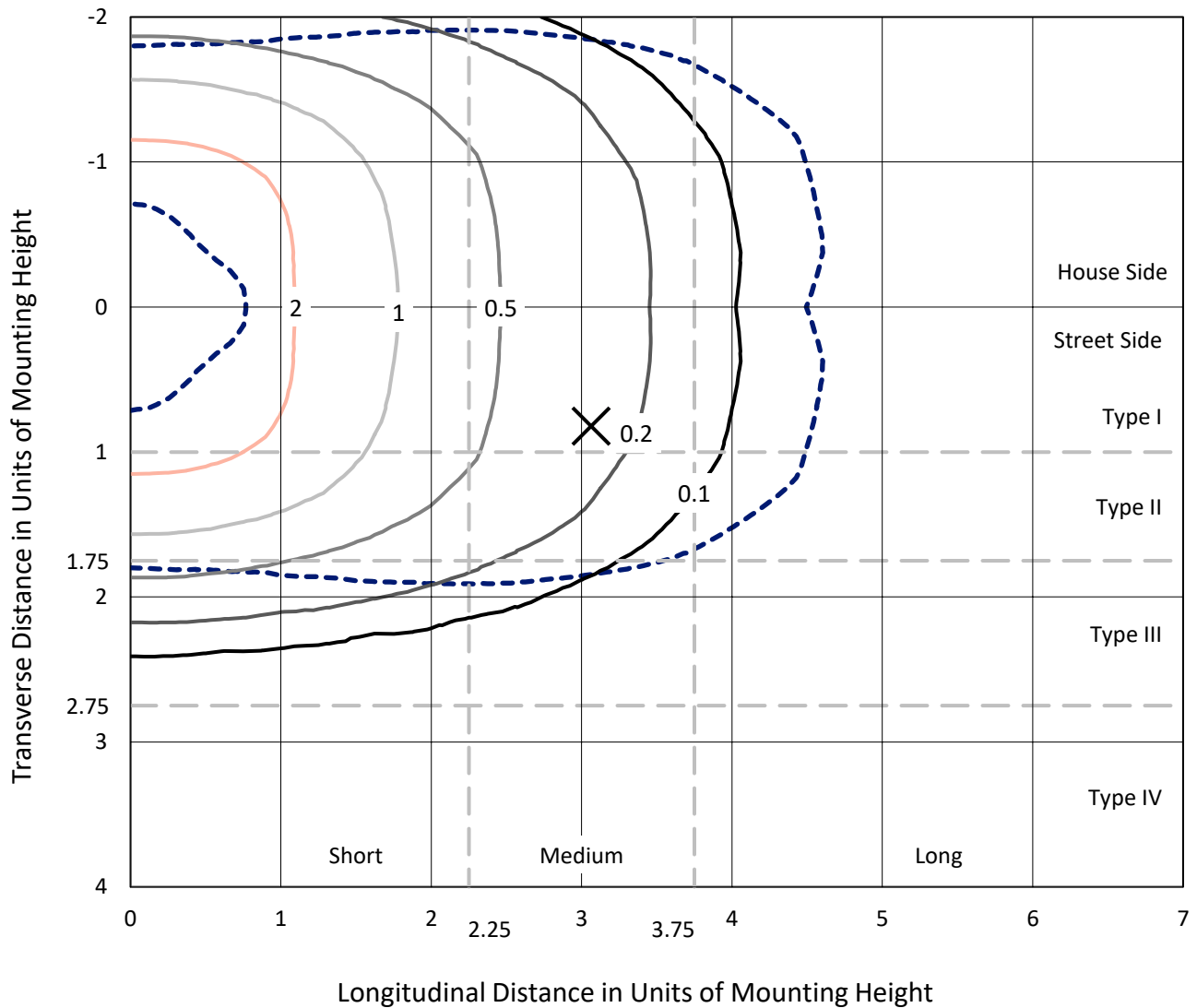
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

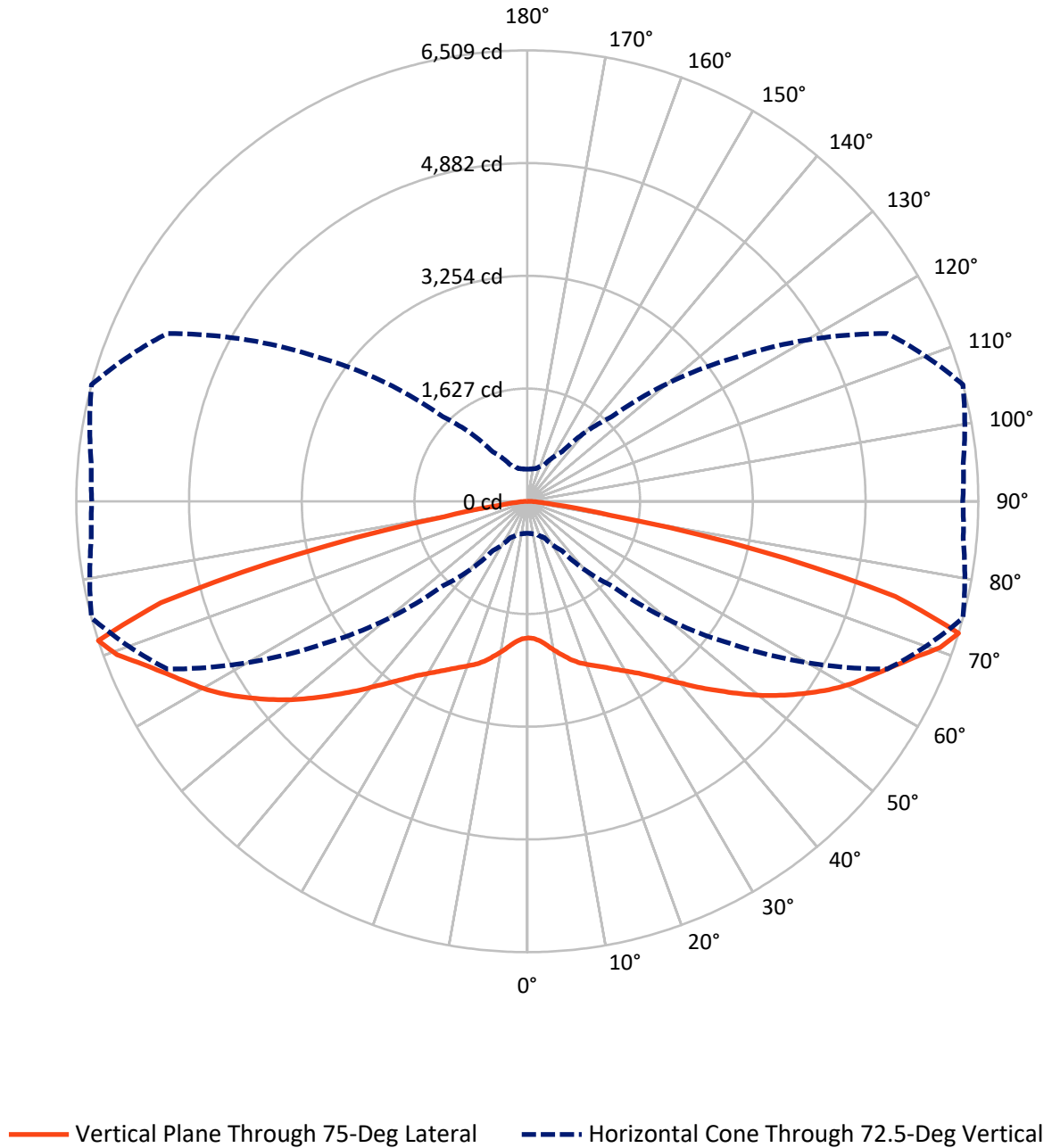
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	9203.0	0.0	9203.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9203.0	0.0	9203.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18406.0	0.0	18406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	1.0
10°-20°	637.0	3.5
20°-30°	1230.9	6.7
30°-40°	2078.4	11.3
40°-50°	3296.1	17.9
50°-60°	4413.1	24.0
60°-70°	4199.9	22.8
70°-80°	2191.6	11.9
80°-90°	165.9	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°	18406.0	100.0
0°-180°	18406.0	100.0

Coefficient of Utilization



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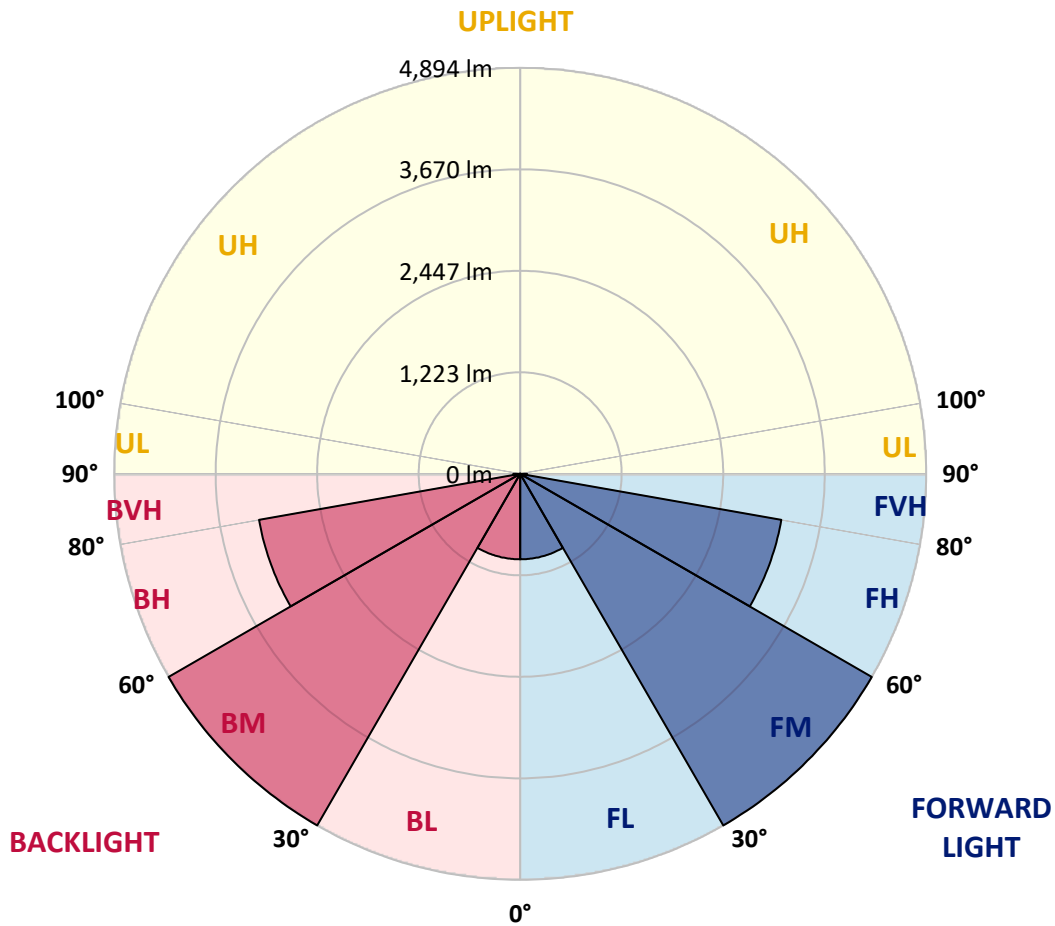
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.5	5.6			
FM (30°-60°)	4893.8	26.6			
FH (60°-80°)	3195.7	17.4			G2/5000
FVH (80°-90°)	82.9	0.5			G1/100
BL (0°-30°)	1030.5	5.6	B3/2500		
BM (30°-60°)	4893.8	26.6	B3/5000		
BH (60°-80°)	3195.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	82.9	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°
0°	1971.6	1971.6	1971.6	1971.6	1971.6	1971.6	1971.6	1971.6	1971.6	1971.6
2.5°	1971.6	1969.7	1971.6	1973.5	1972.6	1972.6	1977.3	1980.1	1985.7	1984.8
5°	1958.5	1957.5	1965.0	1973.5	1980.1	1991.3	2005.4	2015.8	2028.9	2031.8
7.5°	1951.9	1949.1	1962.2	1977.3	1997.9	2026.1	2053.4	2081.6	2104.1	2111.6
10°	1956.6	1957.5	1975.4	2003.6	2036.5	2075.9	2114.5	2162.4	2194.3	2201.9
12.5°	1978.2	1976.3	2006.4	2051.5	2096.6	2146.4	2191.5	2244.1	2278.9	2296.8
15°	2017.7	2013.9	2056.2	2122.9	2188.7	2247.0	2283.6	2333.4	2373.8	2396.4
17.5°	2064.6	2066.5	2122.0	2208.4	2294.9	2360.7	2395.4	2420.8	2451.8	2471.6
20°	2147.3	2151.1	2213.1	2315.6	2414.2	2489.4	2517.6	2508.2	2516.7	2531.7
22.5°	2258.2	2260.1	2329.7	2440.6	2543.9	2626.6	2645.4	2606.9	2583.4	2593.7
25°	2387.0	2399.2	2468.7	2582.5	2688.6	2767.6	2776.0	2717.8	2659.5	2662.3
27.5°	2543.9	2555.2	2625.7	2738.5	2846.5	2915.1	2914.2	2836.2	2750.7	2729.1
30°	2714.0	2726.2	2798.6	2915.1	3015.7	3075.8	3062.7	2969.6	2847.5	2807.1
32.5°	2916.1	2923.6	2996.9	3113.4	3206.5	3254.4	3227.1	3112.5	2960.2	2914.2
35°	3160.4	3171.7	3226.2	3336.1	3417.9	3457.4	3411.3	3276.0	3105.0	3053.3
37.5°	3439.5	3432.0	3494.0	3591.8	3659.4	3683.9	3620.9	3460.2	3270.4	3209.3
40°	3730.8	3727.1	3794.7	3888.7	3925.4	3940.4	3847.4	3671.6	3461.1	3395.3
42.5°	3994.9	3992.1	4083.2	4187.6	4231.7	4214.8	4097.3	3896.2	3682.0	3606.8
45°	4206.4	4202.6	4314.4	4461.0	4547.5	4519.3	4361.4	4144.3	3905.6	3827.6
47.5°	4368.9	4370.8	4491.1	4672.5	4823.8	4834.1	4631.1	4397.1	4151.9	4063.5
50°	4486.4	4492.0	4620.8	4821.9	5028.6	5119.8	4906.5	4656.5	4406.5	4306.9
52.5°	4515.5	4525.9	4680.9	4916.8	5160.2	5334.1	5186.5	4905.5	4648.0	4553.1
55°	4360.5	4381.2	4577.6	4909.3	5241.0	5475.0	5432.7	5158.3	4891.4	4793.7
57.5°	4004.3	4033.4	4262.7	4696.0	5223.2	5571.8	5623.5	5400.8	5134.8	5040.9
60°	3505.3	3540.1	3760.0	4232.7	4971.3	5607.5	5757.9	5636.7	5358.5	5267.3
62.5°	2752.6	2797.7	3060.8	3615.2	4439.4	5441.2	5872.5	5850.0	5559.6	5445.9
65°	1765.8	1813.7	2091.0	2746.0	3729.9	4931.8	5908.3	6057.7	5772.0	5613.2
67.5°	1064.7	1086.4	1223.6	1664.3	2726.2	4164.1	5605.7	6287.9	6020.1	5822.7
70°	681.3	693.5	775.3	977.3	1541.2	3038.2	4855.7	6331.1	6320.8	6037.9
72.5°	462.4	466.1	487.7	578.9	872.1	1726.3	3581.4	5731.6	6508.8	6315.2
75°	338.3	359.0	393.8	409.7	495.3	862.7	2052.4	4026.9	5485.4	5569.9
77.5°	251.9	252.8	300.7	319.5	353.3	459.5	868.3	2247.9	3405.7	3575.8
80°	213.3	202.0	201.1	257.5	266.0	286.6	388.1	776.2	1219.8	739.6
82.5°	177.6	165.4	149.4	201.1	181.4	175.7	168.2	315.8	388.1	190.8
85°	124.0	118.4	112.8	131.6	103.4	88.3	80.8	147.5	163.5	80.8
87.5°	53.6	55.4	56.4	58.3	43.2	31.0	31.0	41.3	41.3	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
1971.6
1983.8
2031.8
2113.5
2209.4
2304.3
2404.8
2481.0
2543.0
2601.2
2667.0
2735.6
2811.8
2925.5
3060.8
3220.6
3417.0
3625.6
3845.5
4089.8
4337.0
4577.6
4821.0
5062.5
5287.1
5459.1
5632.9
5837.8
6036.1
6285.1
5365.1
3189.5
559.2
162.6
71.4
23.5
0.0

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