

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: P948572

Luminaire Tested: **GALN-SB3C-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948572
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20791 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

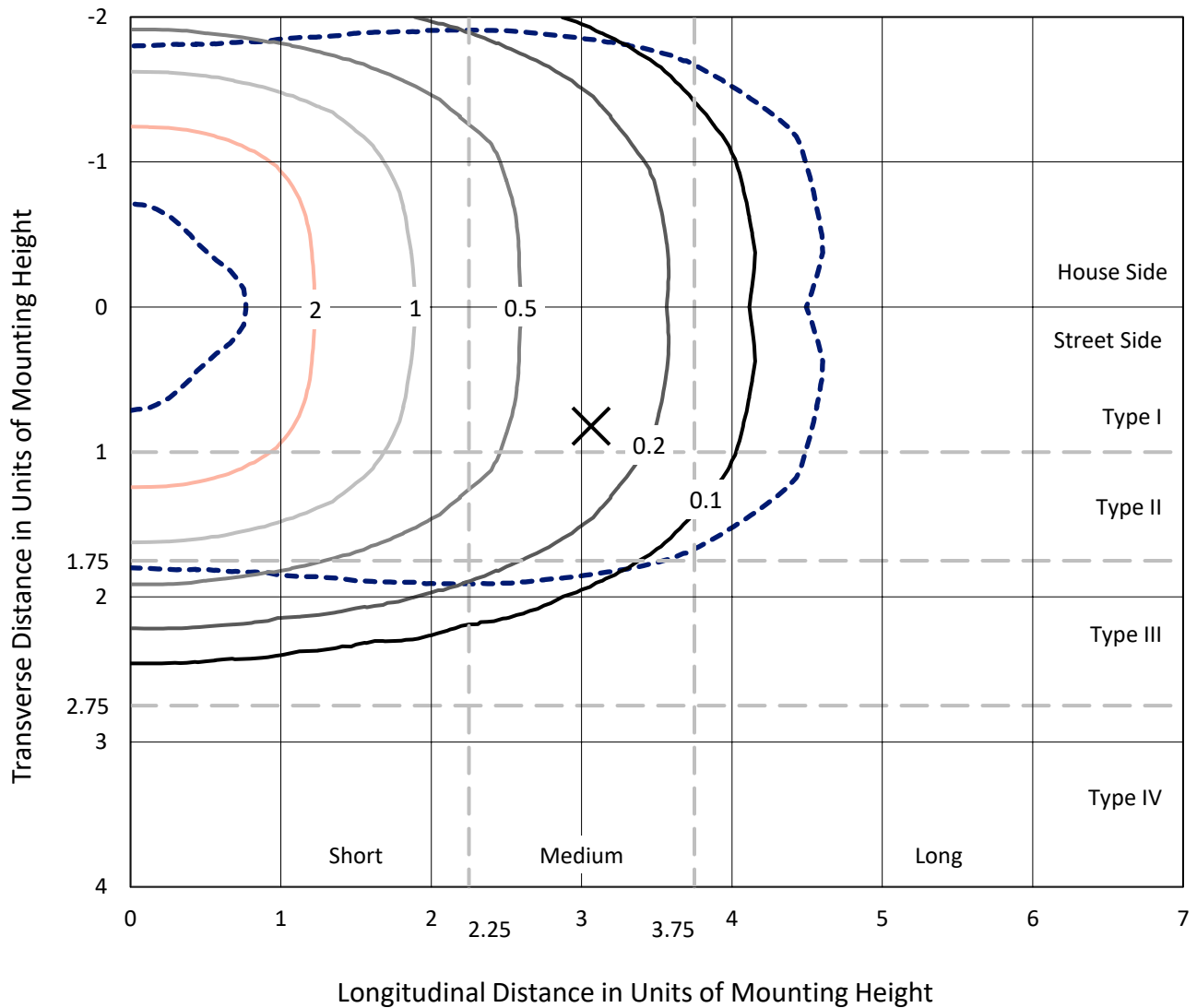
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

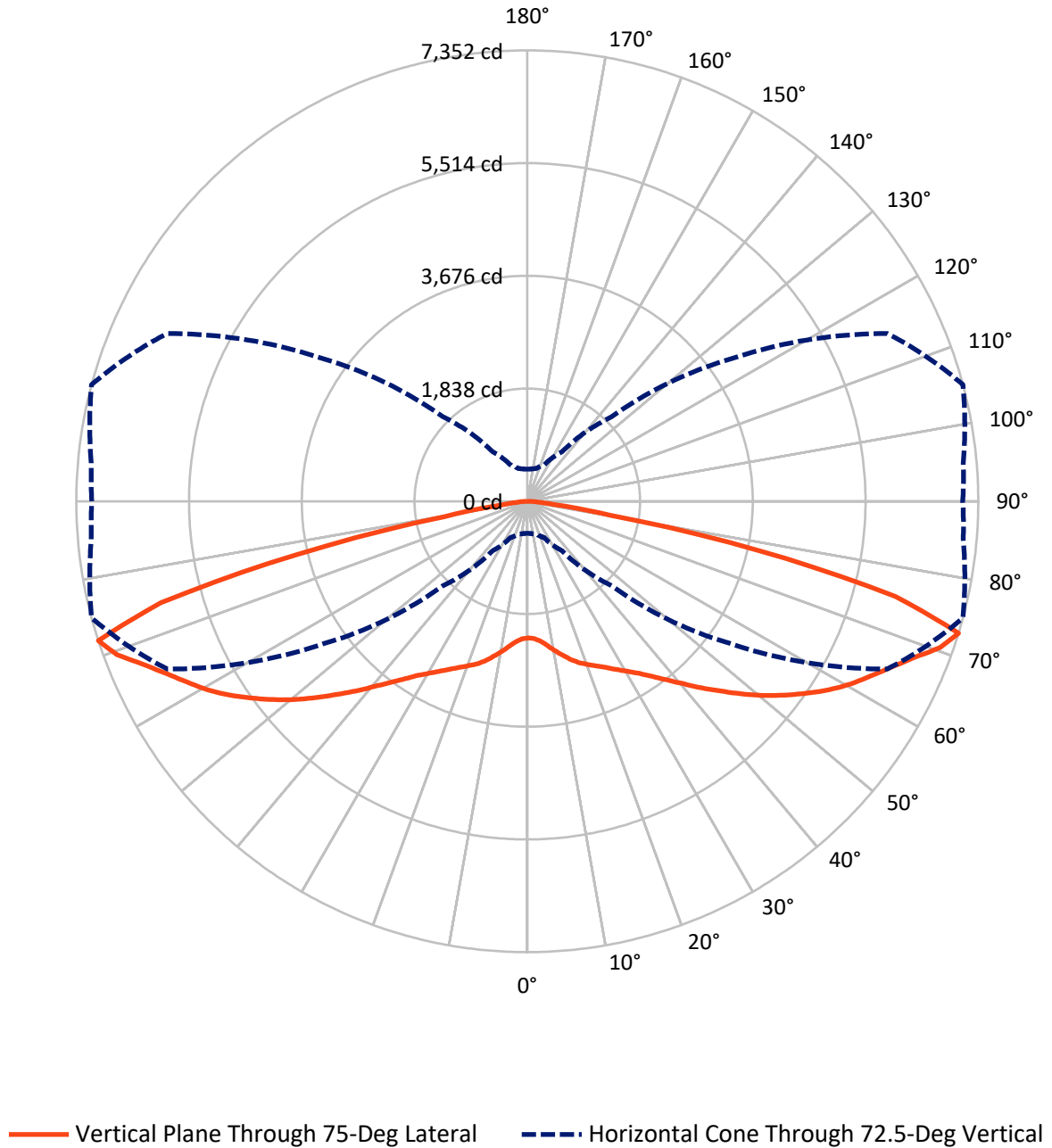
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	10395.5	0.0	10395.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10395.5	0.0	10395.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20791.0	0.0	20791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	1.0
10°-20°	719.5	3.5
20°-30°	1390.4	6.7
30°-40°	2347.7	11.3
40°-50°	3723.2	17.9
50°-60°	4985.0	24.0
60°-70°	4744.1	22.8
70°-80°	2475.5	11.9
80°-90°	187.4	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°	20791.0	100.0
0°-180°	20791.0	100.0

Coefficient of Utilization



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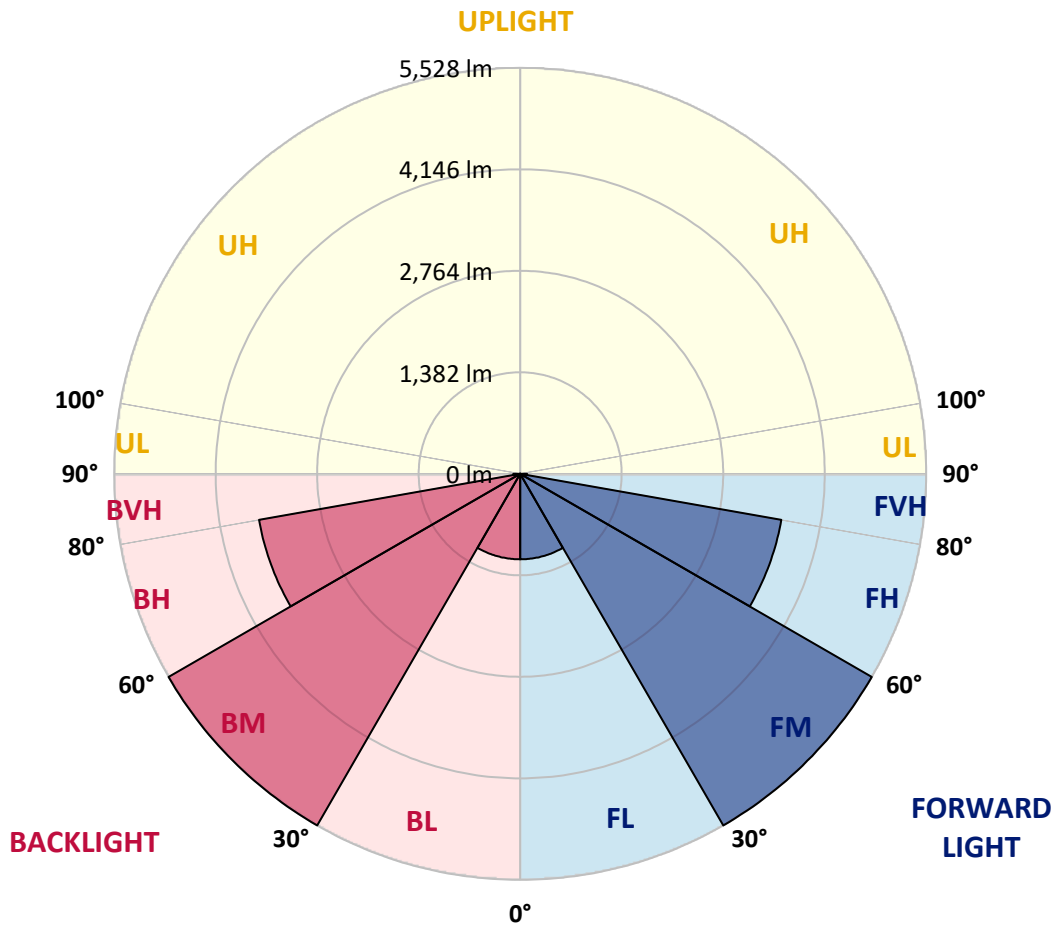
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1164.0	5.6			
FM (30°-60°)	5528.0	26.6			
FH (60°-80°)	3609.8	17.4			G2/5000
FVH (80°-90°)	93.7	0.5			G1/100
BL (0°-30°)	1164.0	5.6	B3/2500		
BM (30°-60°)	5528.0	26.6	B4/8500		
BH (60°-80°)	3609.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	93.7	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°	2227.1	2227.1	2227.1	2227.1	2227.1	2227.1	2227.1	2227.1	2227.1	2227.1
2.5°	2227.1	2225.0	2227.1	2229.2	2228.1	2228.1	2233.5	2236.6	2243.0	2241.9
5°	2212.2	2211.2	2219.7	2229.2	2236.6	2249.4	2265.3	2277.0	2291.8	2295.0
7.5°	2204.8	2201.6	2216.5	2233.5	2256.8	2288.7	2319.4	2351.3	2376.8	2385.3
10°	2210.1	2211.2	2231.3	2263.2	2300.3	2344.9	2388.4	2442.6	2478.7	2487.2
12.5°	2234.5	2232.4	2266.4	2317.3	2368.3	2424.5	2475.5	2534.9	2574.2	2594.4
15°	2279.1	2274.9	2322.6	2398.0	2472.3	2538.1	2579.5	2635.8	2681.4	2706.9
17.5°	2332.2	2334.3	2396.9	2494.6	2592.3	2666.6	2705.8	2734.5	2769.5	2791.8
20°	2425.6	2429.8	2499.9	2615.6	2727.1	2812.0	2843.8	2833.2	2842.8	2859.8
22.5°	2550.9	2553.0	2631.5	2756.8	2873.6	2967.0	2988.2	2944.7	2918.1	2929.8
25°	2696.3	2710.1	2788.6	2917.1	3037.0	3126.2	3135.8	3069.9	3004.1	3007.3
27.5°	2873.6	2886.3	2965.9	3093.3	3215.4	3292.9	3291.8	3203.7	3107.1	3082.7
30°	3065.7	3079.5	3161.2	3292.9	3406.4	3474.4	3459.5	3354.4	3216.4	3170.8
32.5°	3293.9	3302.4	3385.2	3516.8	3621.9	3676.1	3645.3	3515.8	3343.8	3291.8
35°	3569.9	3582.7	3644.2	3768.4	3860.8	3905.4	3853.4	3700.5	3507.3	3448.9
37.5°	3885.2	3876.7	3946.8	4057.2	4133.6	4161.2	4090.1	3908.6	3694.1	3625.1
40°	4214.3	4210.0	4286.5	4392.6	4434.0	4451.0	4345.9	4147.4	3909.6	3835.3
42.5°	4512.6	4509.4	4612.3	4730.2	4780.1	4761.0	4628.3	4401.1	4159.1	4074.1
45°	4751.4	4747.2	4873.5	5039.1	5136.7	5104.9	4926.6	4681.3	4411.7	4323.6
47.5°	4935.0	4937.2	5073.0	5277.9	5448.8	5460.5	5231.2	4966.9	4689.8	4590.1
50°	5067.7	5074.1	5219.5	5446.7	5680.2	5783.2	5542.2	5259.9	4977.5	4865.0
52.5°	5100.6	5112.3	5287.5	5553.9	5828.9	6025.2	5858.6	5541.2	5250.3	5143.1
55°	4925.5	4948.8	5170.7	5545.4	5920.1	6184.5	6136.7	5826.7	5525.3	5414.9
57.5°	4523.2	4556.1	4815.1	5304.5	5900.0	6293.8	6352.2	6100.6	5800.2	5694.0
60°	3959.5	3998.8	4247.2	4781.1	5615.5	6334.1	6504.0	6367.1	6052.8	5949.9
62.5°	3109.2	3160.2	3457.4	4083.7	5014.7	6146.3	6633.5	6608.0	6280.0	6151.6
65°	1994.6	2048.8	2361.9	3101.8	4213.2	5570.9	6673.8	6842.6	6519.9	6340.5
67.5°	1202.7	1227.1	1382.1	1880.0	3079.5	4703.6	6332.0	7102.7	6800.2	6577.2
70°	769.6	783.4	875.8	1104.0	1740.9	3431.9	5484.9	7151.5	7139.8	6820.3
72.5°	522.3	526.5	550.9	653.9	985.1	1950.0	4045.5	6474.3	7352.2	7133.5
75°	382.2	405.5	444.8	462.8	559.4	974.5	2318.4	4548.7	6196.1	6291.7
77.5°	284.5	285.6	339.7	360.9	399.1	519.1	980.9	2539.2	3847.0	4039.1
80°	241.0	228.2	227.2	290.9	300.4	323.8	438.4	876.8	1377.9	835.4
82.5°	200.6	186.8	168.8	227.2	204.9	198.5	190.0	356.7	438.4	215.5
85°	140.1	133.8	127.4	148.6	116.8	99.8	91.3	166.7	184.7	91.3
87.5°	60.5	62.6	63.7	65.8	48.8	35.0	35.0	46.7	46.7	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2227.1
2240.9
2295.0
2387.4
2495.7
2602.9
2716.5
2802.4
2872.5
2938.3
3012.6
3090.1
3176.1
3304.5
3457.4
3637.9
3859.7
4095.4
4343.8
4619.8
4899.0
5170.7
5445.6
5718.5
5972.2
6166.4
6362.8
6594.2
6818.2
7099.5
6060.3
3602.8
631.6
183.6
80.7
26.5
0.0

OF REPORT)