

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: P940493

Luminaire Tested: **GALN-SB3C-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19974 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

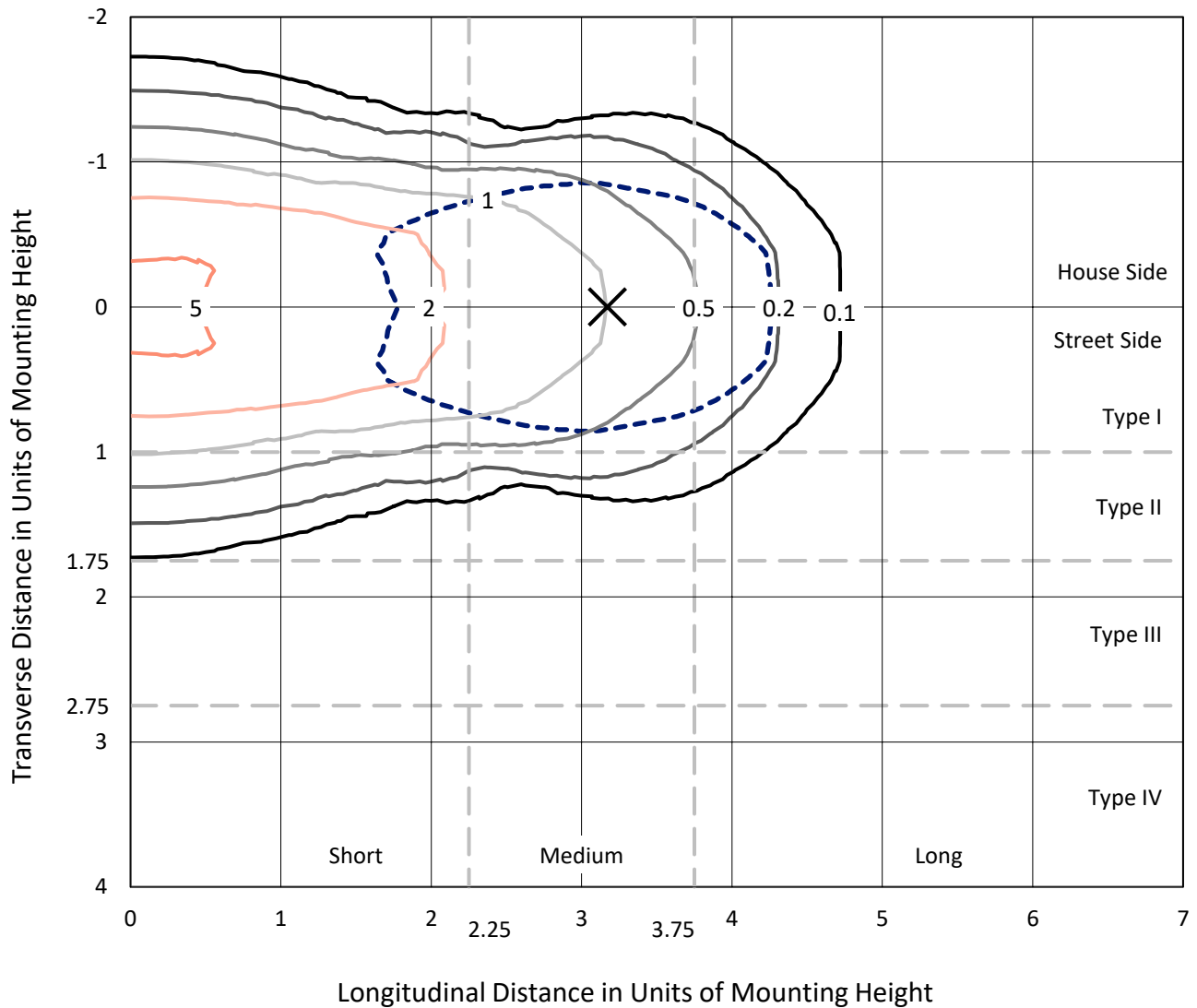
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

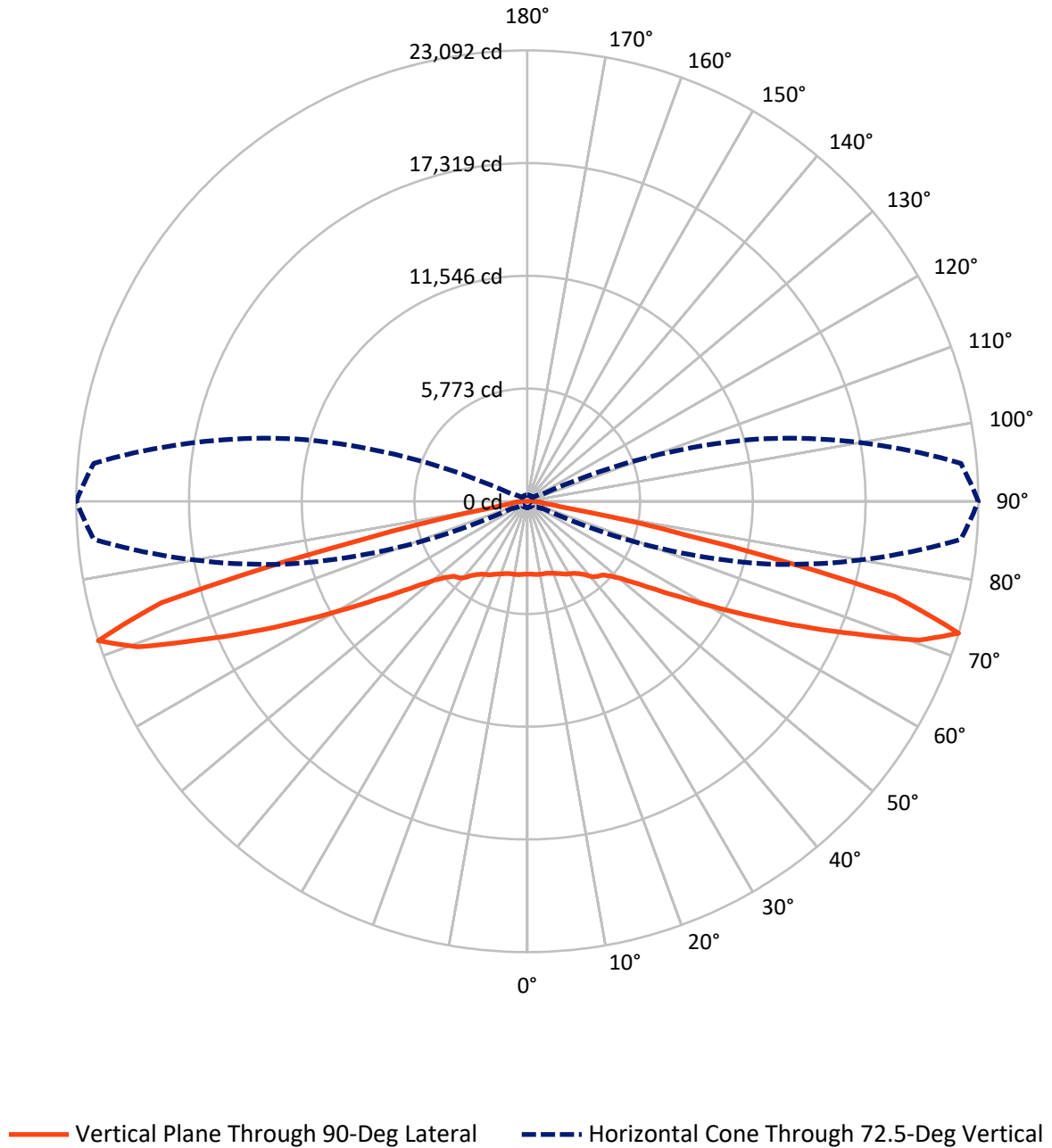
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9987.0	0.0	9987.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9987.0	0.0	9987.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19974.0	0.0	19974.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.9	1.8
10°-20°	1106.5	5.5
20°-30°	1845.1	9.2
30°-40°	2537.5	12.7
40°-50°	3099.0	15.5
50°-60°	3584.3	17.9
60°-70°	4273.7	21.4
70°-80°	2982.8	14.9
80°-90°	183.2	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°	19974.0	100.0
0°-180°	19974.0	100.0



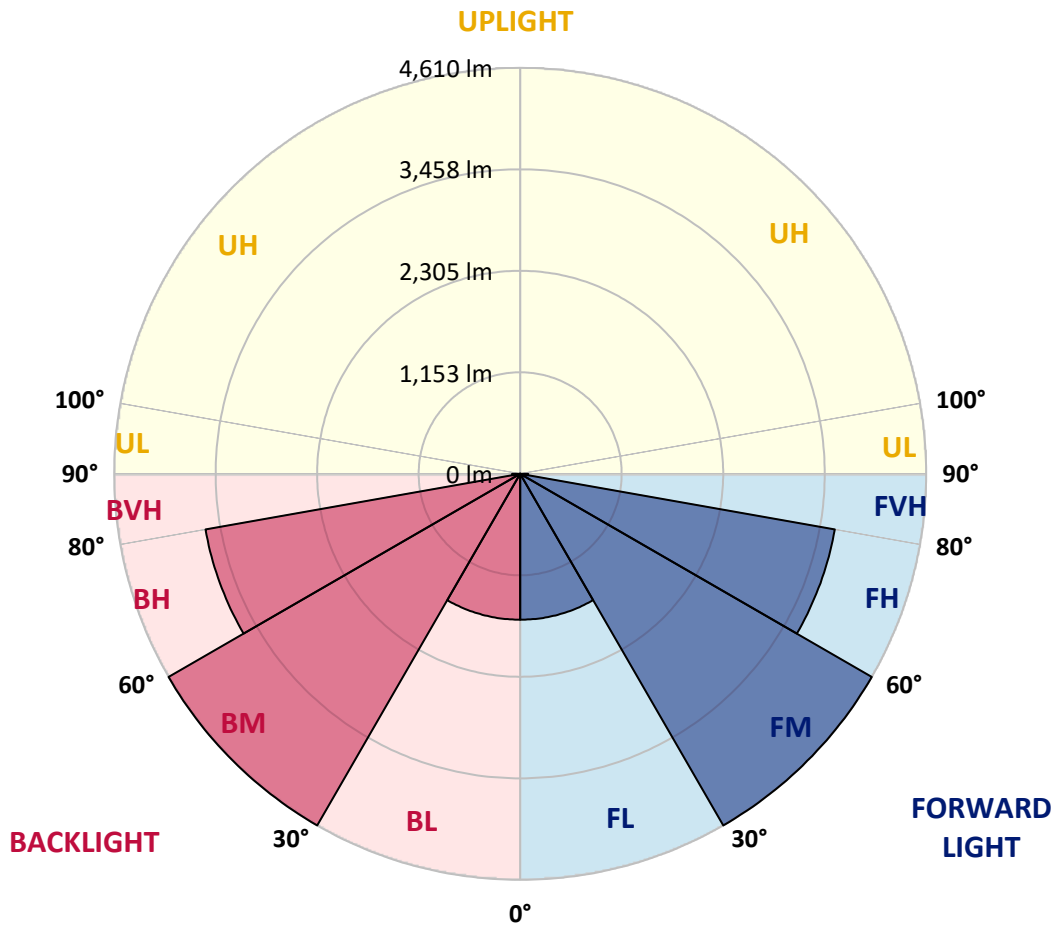
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1656.7	8.3			
FM (30°-60°)	4610.4	23.1			
FH (60°-80°)	3628.2	18.2			G2/5000
FVH (80°-90°)	91.6	0.5			G1/100
BL (0°-30°)	1656.7	8.3	B3/2500		
BM (30°-60°)	4610.4	23.1	B3/5000		
BH (60°-80°)	3628.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	91.6	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3732.4	3732.4	3732.4	3732.4	3732.4	3732.4	3732.4	3732.4	3732.4	3732.4
2.5°	3735.5	3739.8	3739.8	3736.6	3744.0	3737.7	3737.7	3734.5	3737.7	3734.5
5°	3754.6	3760.0	3762.1	3761.0	3770.6	3765.3	3765.3	3761.0	3762.1	3758.9
7.5°	3790.7	3798.2	3802.4	3807.7	3821.5	3815.2	3810.9	3798.2	3792.9	3784.4
10°	3802.4	3810.9	3824.7	3852.3	3884.2	3885.2	3872.5	3840.6	3816.2	3797.1
12.5°	3766.3	3778.0	3806.7	3862.9	3934.0	3962.7	3942.5	3889.5	3841.7	3807.7
15°	3720.7	3733.4	3776.9	3861.9	3967.0	4033.8	4031.7	3961.6	3885.2	3832.1
17.5°	3649.6	3662.3	3724.9	3843.8	3992.4	4102.8	4132.6	4060.4	3953.2	3882.0
20°	3521.1	3532.8	3619.8	3786.5	4000.9	4176.1	4253.6	4189.9	4056.1	3959.5
22.5°	3354.4	3372.5	3474.4	3687.8	3980.8	4252.5	4391.6	4348.0	4176.1	4042.3
25°	3176.1	3195.2	3314.1	3566.8	3928.7	4307.7	4555.0	4527.4	4312.0	4145.3
27.5°	3022.2	3042.4	3171.9	3446.8	3848.1	4328.9	4716.4	4730.2	4476.5	4258.9
30°	2901.2	2920.3	3058.3	3350.2	3744.0	4307.7	4857.6	4953.1	4644.2	4357.6
32.5°	2768.5	2792.9	2938.3	3232.4	3620.9	4256.8	4980.7	5194.1	4838.5	4463.7
35°	2600.8	2623.0	2775.9	3071.0	3459.5	4175.0	5083.7	5461.6	5116.6	4625.1
37.5°	2396.9	2418.2	2570.0	2869.3	3299.2	4060.4	5162.2	5763.1	5447.8	4857.6
40°	2192.1	2212.2	2354.5	2644.3	3107.1	3913.9	5189.8	6058.2	5827.8	5177.1
42.5°	2004.2	2022.2	2152.8	2422.4	2891.6	3727.0	5153.7	6315.1	6168.6	5400.0
45°	1831.1	1847.1	1962.8	2214.4	2667.6	3499.9	5045.5	6591.1	6574.1	5559.3
47.5°	1633.7	1649.6	1769.6	2012.7	2443.7	3233.4	4861.8	6862.8	7137.8	5920.2
50°	1392.7	1406.5	1529.7	1780.2	2211.2	2950.0	4607.1	7076.2	7849.0	6466.9
52.5°	1107.2	1122.0	1242.0	1492.5	1935.2	2645.3	4271.6	7215.2	8670.6	7265.1
55°	823.8	834.4	938.4	1163.4	1593.4	2298.2	3851.2	7254.5	9602.6	8356.4
57.5°	597.6	604.0	670.9	838.6	1208.0	1864.1	3340.6	7152.6	10711.9	9755.5
60°	484.1	486.2	506.4	580.7	839.7	1373.6	2723.9	6802.3	11915.7	11559.0
62.5°	439.5	439.5	444.8	465.0	567.9	906.5	1977.6	6076.2	13206.5	13838.2
65°	408.7	408.7	410.8	420.4	448.0	577.5	1248.4	4893.7	14294.6	16507.9
67.5°	381.1	382.2	381.1	384.3	400.2	426.7	724.0	3379.9	14880.6	19274.3
70°	352.4	354.6	349.2	349.2	362.0	363.0	453.3	1853.4	14394.4	21592.7
72.5°	318.5	321.6	313.2	311.0	320.6	316.3	340.8	889.6	12358.4	22284.8
75°	288.7	293.0	273.9	268.6	268.6	265.4	277.1	456.5	8020.9	18178.8
77.5°	262.2	270.7	239.9	222.9	218.7	209.1	226.1	279.2	3508.4	8534.7
80°	216.6	228.2	197.4	177.3	169.8	159.2	178.3	195.3	1043.5	1981.9
82.5°	161.4	166.7	140.1	126.3	120.0	112.5	133.8	135.9	339.7	701.7
85°	103.0	105.1	86.0	74.3	71.1	67.9	84.9	74.3	129.5	515.9
87.5°	36.1	41.4	32.9	29.7	31.8	26.5	39.3	22.3	36.1	364.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3732.4
3734.5
3758.9
3784.4
3793.9
3802.4
3823.6
3870.4
3941.5
4017.9
4111.3
4222.8
4305.6
4397.9
4551.9
4759.9
5073.1
5266.3
5378.8
5712.1
6205.7
6943.5
7954.1
9249.1
10921.1
12983.6
15427.3
18107.6
21285.9
23091.5
19444.1
8357.5
1898.0
793.0
749.4
451.2
0.0

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