

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: P940443

Luminaire Tested: **GALN-SB3C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940443
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22229 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

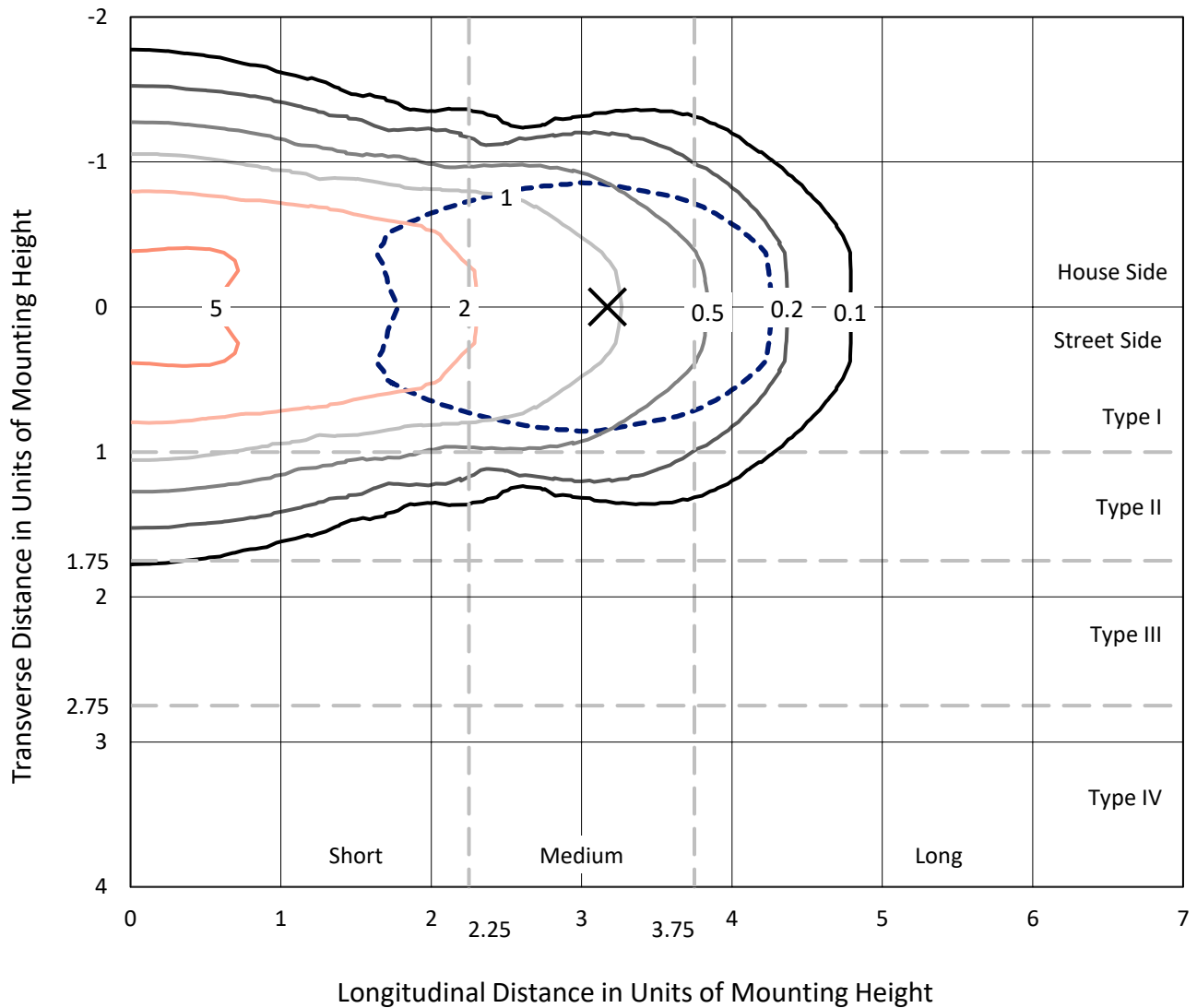
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

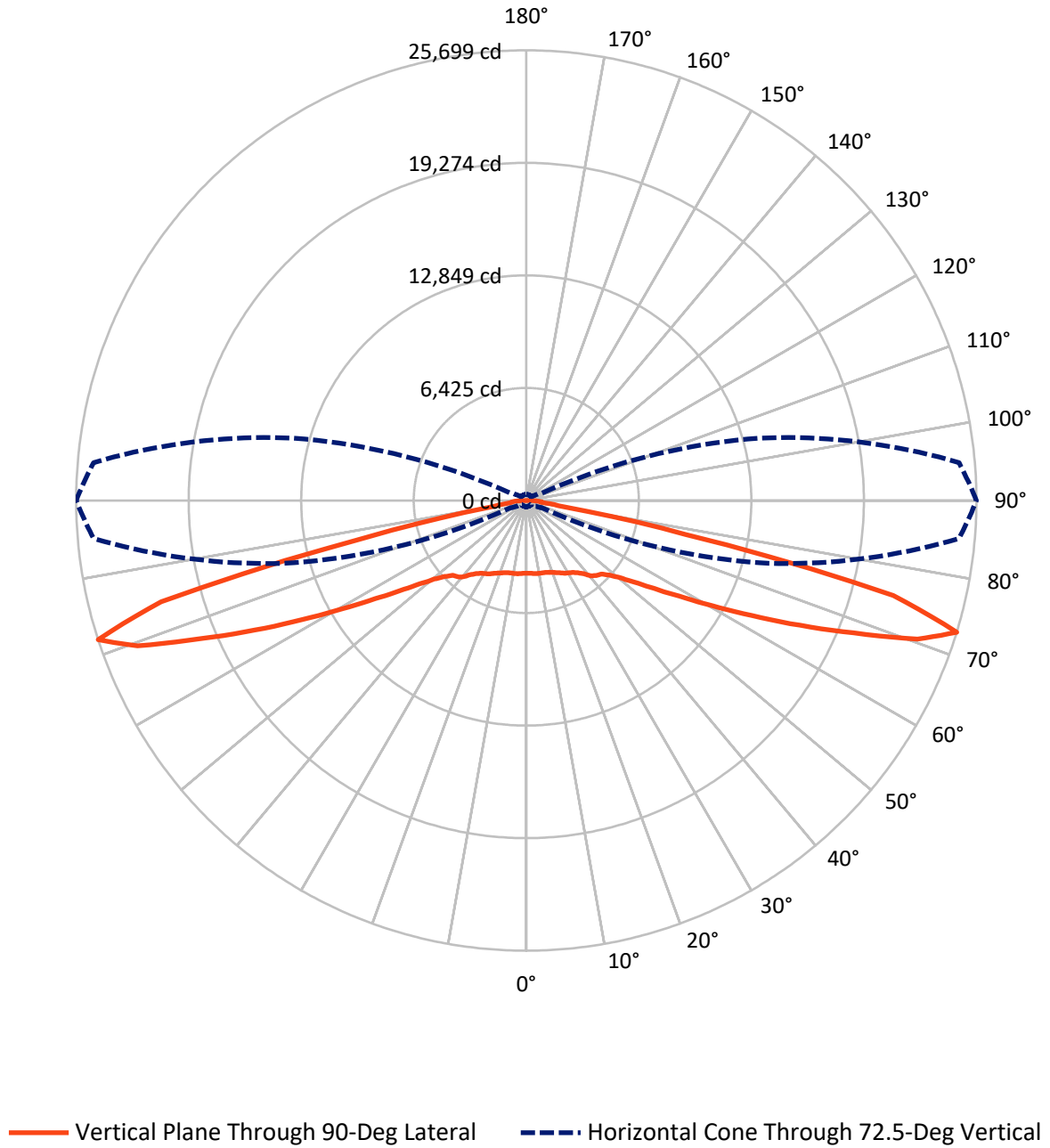
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	11114.5	0.0	11114.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11114.5	0.0	11114.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22229.0	0.0	22229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.8	1.8
10°-20°	1231.5	5.5
20°-30°	2053.4	9.2
30°-40°	2824.0	12.7
40°-50°	3448.9	15.5
50°-60°	3989.0	17.9
60°-70°	4756.2	21.4
70°-80°	3319.5	14.9
80°-90°	203.9	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°	22229.0	100.0
0°-180°	22229.0	100.0

Coefficient of Utilization



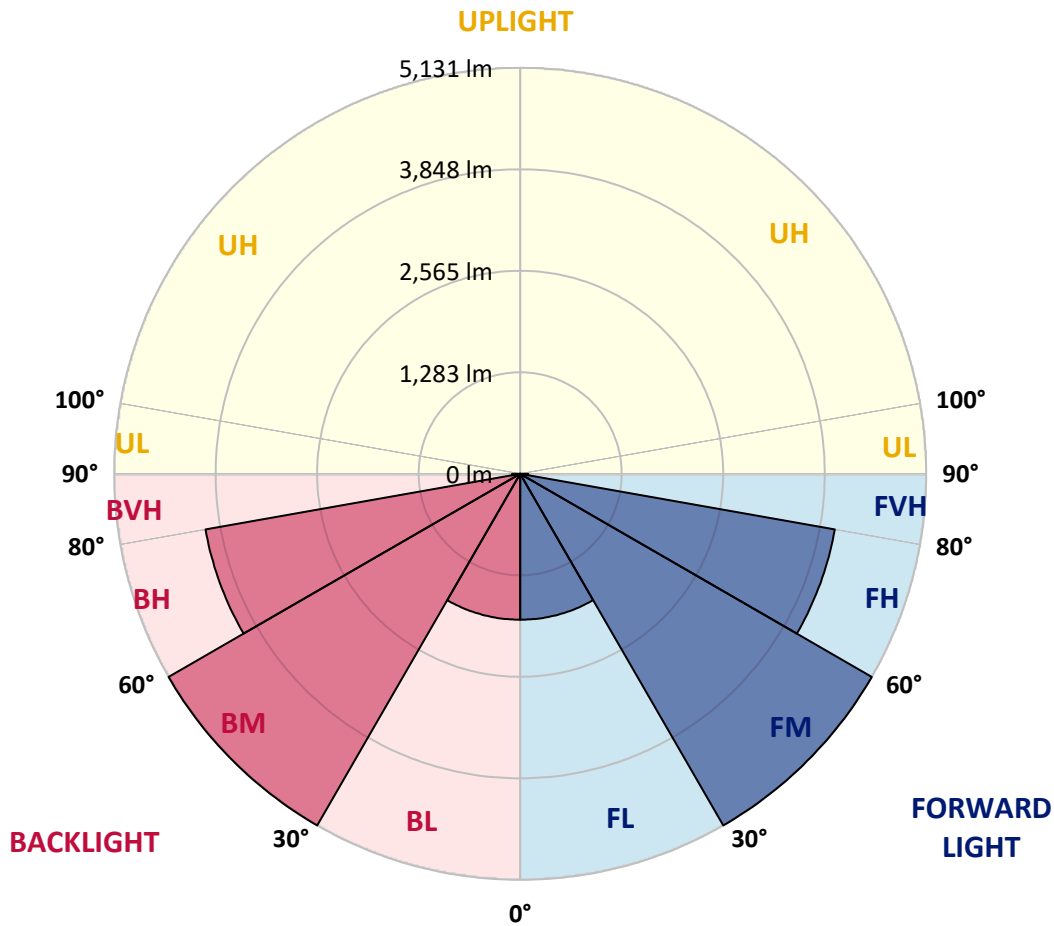
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1843.8	8.3			
FM (30°-60°)	5130.9	23.1			
FH (60°-80°)	4037.9	18.2			G2/5000
FVH (80°-90°)	101.9	0.5			G2/225
BL (0°-30°)	1843.8	8.3	B3/2500		
BM (30°-60°)	5130.9	23.1	B4/8500		
BH (60°-80°)	4037.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	101.9	0.5			G2/225
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°	4153.7	4153.7	4153.7	4153.7	4153.7	4153.7	4153.7	4153.7	4153.7	4153.7
2.5°	4157.3	4162.0	4162.0	4158.4	4166.7	4159.6	4159.6	4156.1	4159.6	4156.1
5°	4178.5	4184.4	4186.8	4185.6	4196.3	4190.3	4190.3	4185.6	4186.8	4183.3
7.5°	4218.7	4227.0	4231.7	4237.6	4253.0	4245.9	4241.1	4227.0	4221.1	4211.6
10°	4231.7	4241.1	4256.5	4287.2	4322.7	4323.8	4309.7	4274.2	4247.1	4225.8
12.5°	4191.5	4204.5	4236.4	4299.0	4378.2	4410.1	4387.6	4328.6	4275.4	4237.6
15°	4140.7	4154.9	4203.3	4297.9	4414.8	4489.2	4486.9	4408.9	4323.8	4264.8
17.5°	4061.6	4075.8	4145.5	4277.8	4443.2	4566.0	4599.1	4518.8	4399.4	4320.3
20°	3918.6	3931.6	4028.5	4214.0	4452.6	4647.5	4733.8	4662.9	4514.0	4406.5
22.5°	3733.2	3753.2	3866.6	4104.1	4430.2	4732.6	4887.4	4838.9	4647.5	4498.7
25°	3534.7	3555.9	3688.3	3969.4	4372.3	4794.0	5069.3	5038.6	4798.8	4613.3
27.5°	3363.4	3385.8	3530.0	3835.9	4282.5	4817.7	5248.9	5264.2	4981.9	4739.7
30°	3228.7	3250.0	3403.5	3728.4	4166.7	4794.0	5406.0	5512.3	5168.5	4849.6
32.5°	3081.0	3108.2	3270.1	3597.3	4029.7	4737.3	5543.0	5780.5	5384.7	4967.7
35°	2894.4	2919.2	3089.3	3417.7	3850.1	4646.4	5657.6	6078.2	5694.2	5147.3
37.5°	2667.6	2691.2	2860.1	3193.3	3671.7	4518.8	5745.0	6413.7	6062.8	5406.0
40°	2439.5	2462.0	2620.3	2942.8	3457.9	4355.7	5775.8	6742.1	6485.8	5761.6
42.5°	2230.4	2250.5	2395.8	2695.9	3218.1	4147.8	5735.6	7028.0	6865.0	6009.7
45°	2037.9	2055.6	2184.4	2464.4	2968.8	3895.0	5615.1	7335.2	7316.3	6186.9
47.5°	1818.1	1835.9	1969.4	2239.9	2719.5	3598.5	5410.7	7637.6	7943.6	6588.5
50°	1550.0	1565.3	1702.4	1981.2	2460.8	3283.0	5127.2	7875.1	8735.1	7197.0
52.5°	1232.2	1248.7	1382.2	1661.0	2153.7	2944.0	4753.9	8029.8	9649.5	8085.3
55°	916.7	928.6	1044.3	1294.8	1773.2	2557.7	4286.0	8073.5	10686.7	9299.8
57.5°	665.1	672.2	746.6	933.3	1344.4	2074.5	3717.8	7960.1	11921.3	10856.9
60°	538.7	541.1	563.5	646.2	934.5	1528.7	3031.4	7570.3	13261.0	12864.0
62.5°	489.1	489.1	495.0	517.4	632.0	1008.9	2200.9	6762.2	14697.5	15400.4
65°	454.8	454.8	457.2	467.8	498.5	642.7	1389.3	5446.2	15908.4	18371.6
67.5°	424.1	425.3	424.1	427.7	445.4	474.9	805.7	3761.5	16560.5	21450.3
70°	392.2	394.6	388.7	388.7	402.8	404.0	504.4	2062.7	16019.5	24030.4
72.5°	354.4	358.0	348.5	346.1	356.8	352.1	379.2	990.0	13753.6	24800.7
75°	321.3	326.1	304.8	298.9	298.9	295.3	308.3	508.0	8926.5	20231.1
77.5°	291.8	301.3	267.0	248.1	243.4	232.7	251.6	310.7	3904.5	9498.3
80°	241.0	254.0	219.7	197.3	189.0	177.2	198.5	217.4	1161.3	2205.6
82.5°	179.6	185.5	155.9	140.6	133.5	125.2	148.9	151.2	378.0	780.9
85°	114.6	117.0	95.7	82.7	79.2	75.6	94.5	82.7	144.1	574.1
87.5°	40.2	46.1	36.6	33.1	35.4	29.5	43.7	24.8	40.2	405.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4153.7
4156.1
4183.3
4211.6
4222.2
4231.7
4255.3
4307.3
4386.5
4471.5
4575.5
4699.5
4791.7
4894.4
5065.7
5297.3
5645.8
5860.8
5986.0
6357.0
6906.3
7727.4
8852.1
10293.3
12154.0
14449.4
17169.0
20151.9
23689.0
25698.5
21639.3
9301.0
2112.3
882.5
834.1
502.1
0.0

OF REPORT)