

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: P940423

Luminaire Tested: **GALN-SB3C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940423
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20618 lumens
Efficiency: N/A
Efficacy: 138.3 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

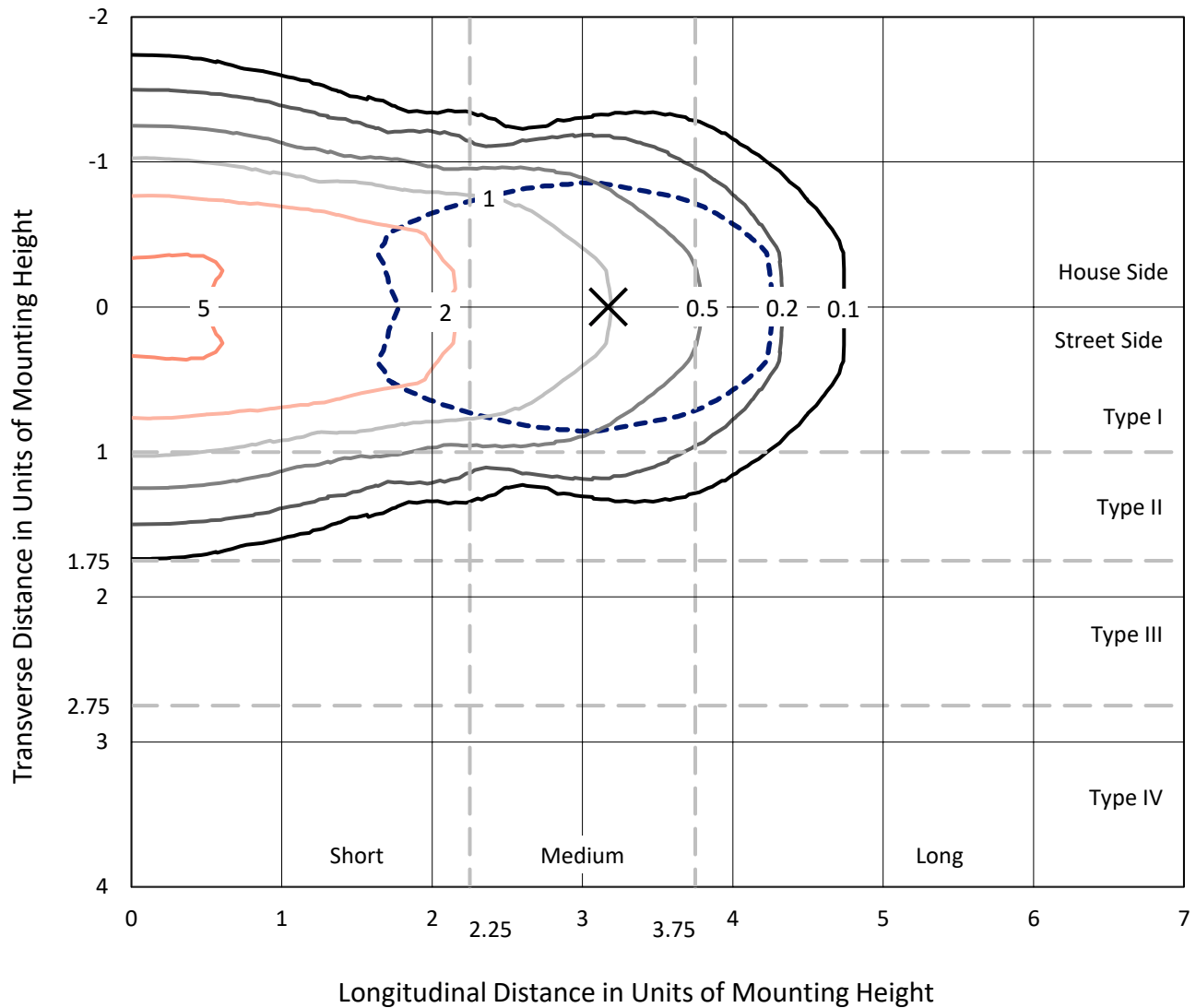


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

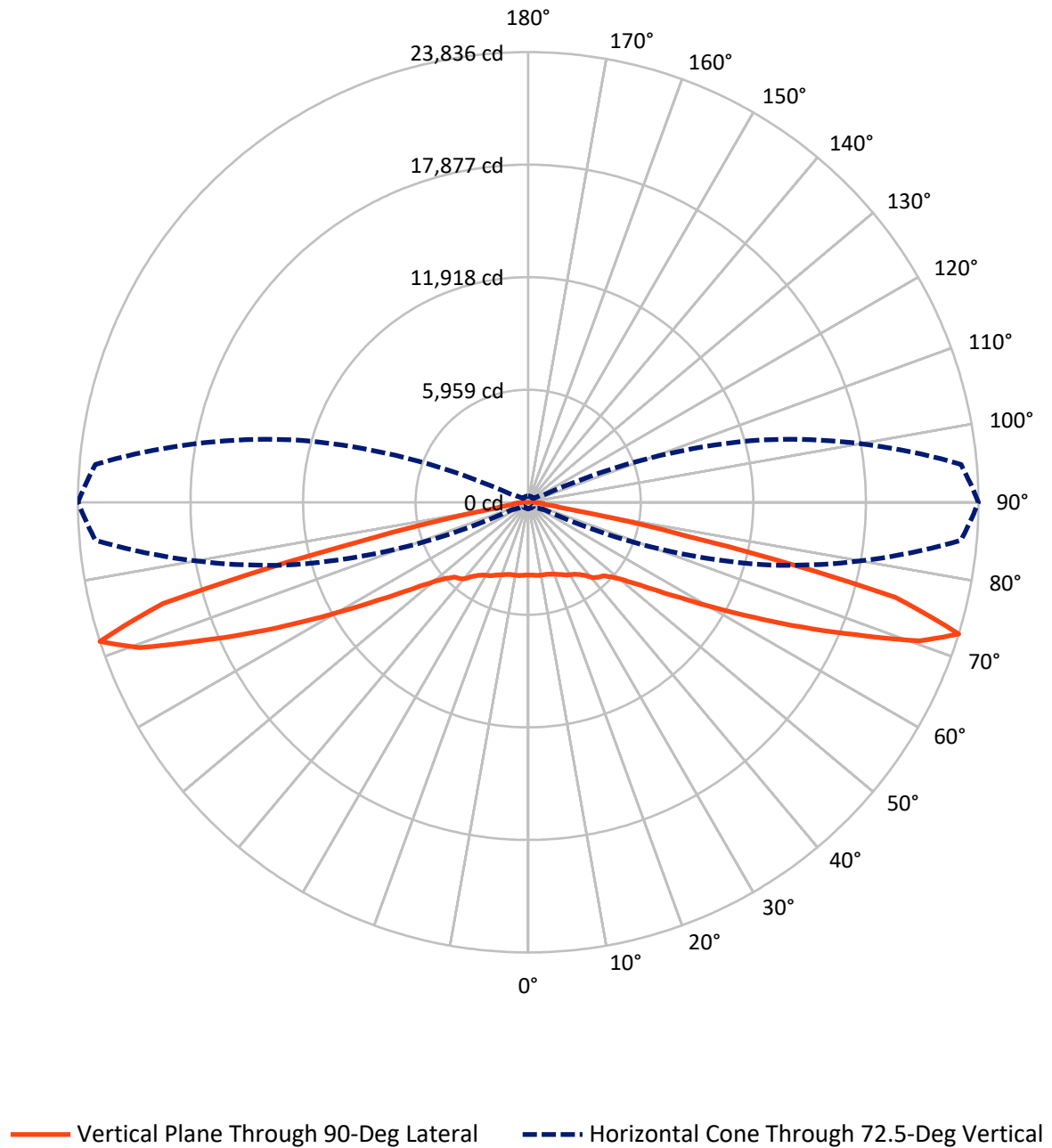


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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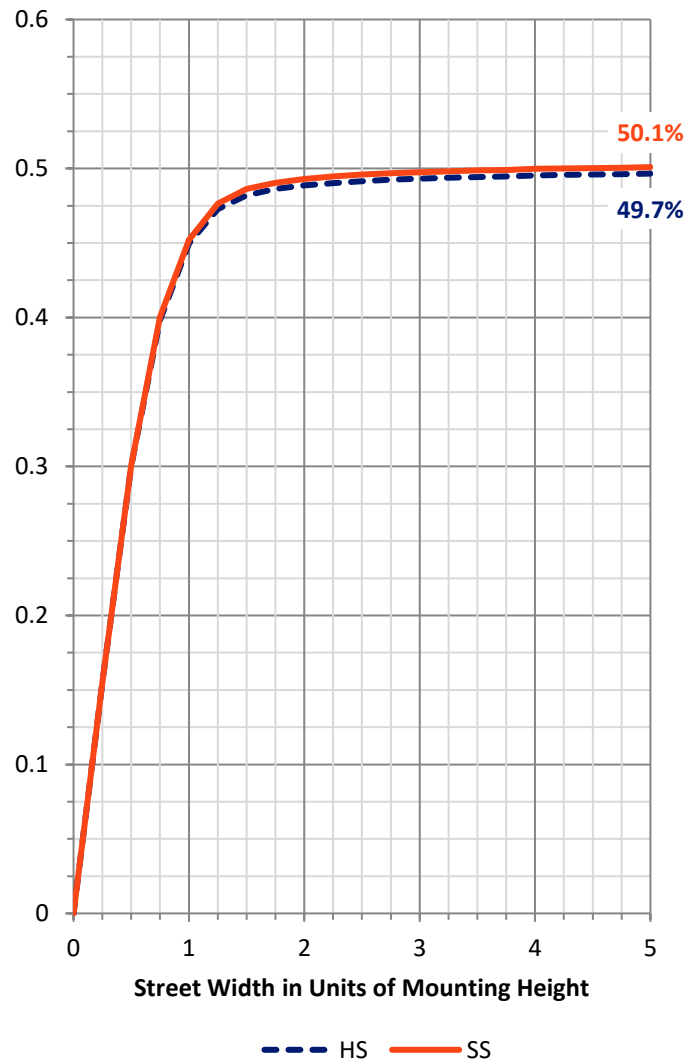
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10309.0	0.0	10309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10309.0	0.0	10309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20618.0	0.0	20618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.6	1.8
10°-20°	1142.2	5.5
20°-30°	1904.5	9.2
30°-40°	2619.3	12.7
40°-50°	3198.9	15.5
50°-60°	3699.9	17.9
60°-70°	4411.5	21.4
70°-80°	3078.9	14.9
80°-90°	189.1	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°	20618.0	100.0
0°-180°	20618.0	100.0

Coefficient of Utilization



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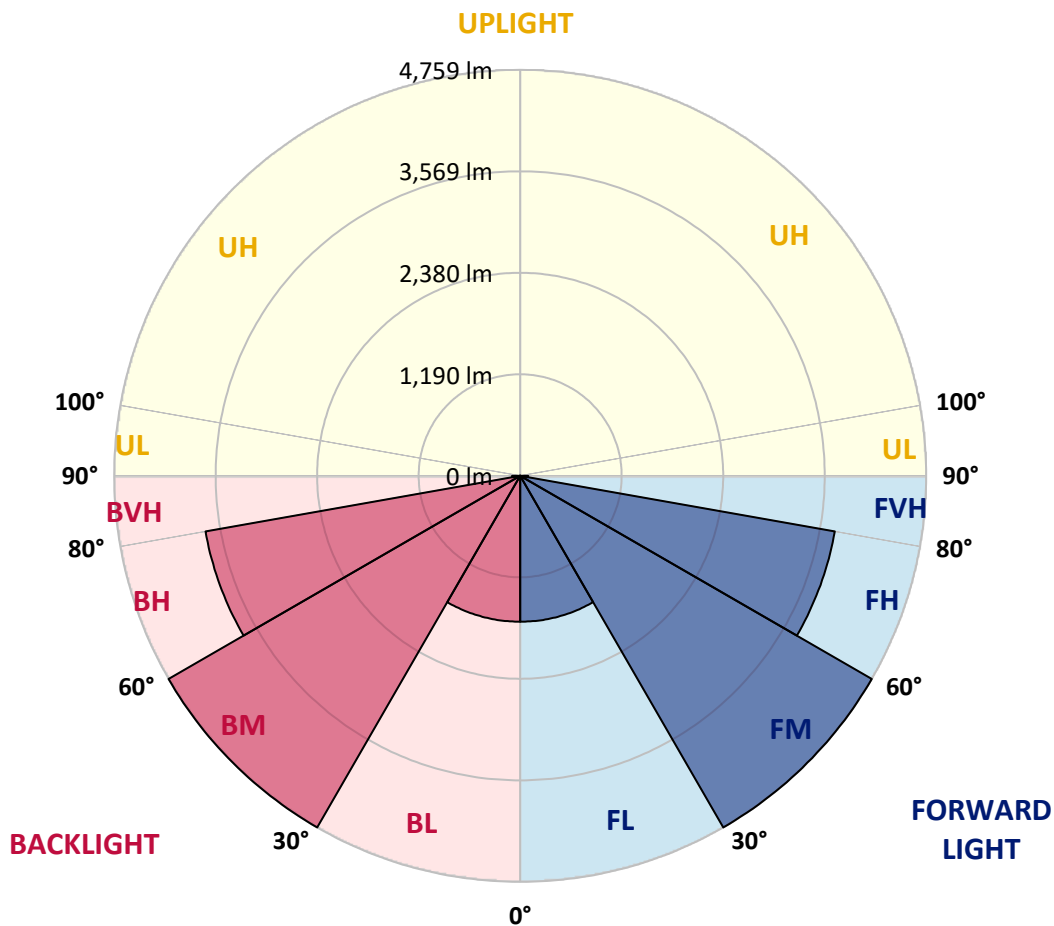
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1710.2	8.3			
FM	(30°-60°)	4759.1	23.1			
FH	(60°-80°)	3745.2	18.2			G2/5000
FVH	(80°-90°)	94.6	0.5			G1/100
BL	(0°-30°)	1710.2	8.3	B3/2500		
BM	(30°-60°)	4759.1	23.1	B3/5000		
BH	(60°-80°)	3745.2	18.2	B4/5000		G4/5000
BVH	(80°-90°)	94.6	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°	90°
0°	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7
2.5°	3856.0	3860.4	3860.4	3857.1	3864.7	3858.2	3858.2	3854.9	3858.2	3854.9	3854.9
5°	3875.7	3881.2	3883.4	3882.3	3892.1	3886.7	3886.7	3882.3	3883.4	3880.1	3880.1
7.5°	3913.0	3920.6	3925.0	3930.5	3944.7	3938.2	3933.8	3920.6	3915.1	3906.4	3906.4
10°	3925.0	3933.8	3948.0	3976.5	4009.4	4010.5	3997.3	3964.5	3939.3	3919.5	3916.2
12.5°	3887.8	3899.8	3929.4	3987.5	4060.9	4090.5	4069.7	4014.9	3965.6	3930.5	3925.0
15°	3840.6	3853.8	3898.7	3986.4	4094.9	4163.9	4161.7	4089.4	4010.5	3955.7	3946.9
17.5°	3767.2	3780.4	3845.0	3967.7	4121.2	4235.1	4265.8	4191.3	4080.6	4007.2	3995.1
20°	3634.6	3646.7	3736.5	3908.6	4129.9	4310.7	4390.7	4325.0	4186.9	4087.2	4068.6
22.5°	3462.6	3481.2	3586.4	3806.7	4109.1	4389.6	4533.2	4488.2	4310.7	4172.7	4147.5
25°	3278.5	3298.2	3421.0	3681.8	4055.4	4446.6	4701.9	4673.4	4451.0	4278.9	4243.9
27.5°	3119.6	3140.4	3274.1	3557.9	3972.1	4468.5	4868.5	4882.7	4620.8	4396.2	4358.9
30°	2994.7	3014.4	3156.9	3458.2	3864.7	4446.6	5014.2	5112.8	4793.9	4498.1	4444.4
32.5°	2857.7	2882.9	3033.1	3336.6	3737.6	4394.0	5141.3	5361.6	4994.5	4607.7	4539.7
35°	2684.6	2707.6	2865.4	3170.0	3571.1	4309.6	5247.6	5637.7	5281.6	4774.2	4698.6
37.5°	2474.2	2496.1	2652.8	2961.8	3405.6	4191.3	5328.7	5948.9	5623.4	5014.2	4913.4
40°	2262.7	2283.6	2430.4	2729.5	3207.3	4040.1	5357.2	6253.5	6015.7	5344.0	5236.6
42.5°	2068.8	2087.4	2222.2	2500.5	2984.8	3847.2	5319.9	6518.7	6367.5	5574.1	5436.1
45°	1890.2	1906.6	2026.1	2285.8	2753.6	3612.7	5208.1	6803.6	6786.0	5738.5	5552.2
47.5°	1686.4	1702.8	1826.6	2077.6	2522.4	3337.7	5018.6	7084.1	7367.9	6111.1	5896.3
50°	1437.6	1451.9	1579.0	1837.6	2282.5	3045.1	4755.6	7304.3	8102.0	6675.4	6405.8
52.5°	1142.9	1158.2	1282.0	1540.6	1997.6	2730.6	4409.3	7447.9	8950.2	7499.4	7167.4
55°	850.3	861.3	968.7	1201.0	1644.7	2372.3	3975.4	7488.4	9912.2	8625.8	8210.5
57.5°	616.9	623.5	692.5	865.7	1247.0	1924.2	3448.4	7383.2	11057.3	10070.0	9547.4
60°	499.7	501.9	522.7	599.4	866.7	1417.9	2811.7	7021.6	12299.9	11931.7	11273.2
62.5°	453.6	453.6	459.1	479.9	586.2	935.8	2041.4	6272.1	13632.3	14284.3	13402.2
65°	421.9	421.9	424.1	433.9	462.4	596.1	1288.6	5051.5	14755.5	17040.2	15924.7
67.5°	393.4	394.5	393.4	396.7	413.1	440.5	747.3	3488.9	15360.4	19895.7	18691.5
70°	363.8	366.0	360.5	360.5	373.7	374.7	467.9	1913.2	14858.5	22288.8	21972.2
72.5°	328.7	332.0	323.2	321.1	330.9	326.5	351.7	918.2	12756.8	23003.3	23836.1
75°	298.0	302.4	282.7	277.2	277.2	273.9	286.0	471.2	8279.6	18764.9	20071.0
77.5°	270.7	279.4	247.6	230.1	225.7	215.9	233.4	288.2	3621.5	8809.9	8626.9
80°	223.5	235.6	203.8	183.0	175.3	164.4	184.1	201.6	1077.1	2045.8	1959.2
82.5°	166.6	172.0	144.6	130.4	123.8	116.2	138.1	140.3	350.6	724.3	818.5
85°	106.3	108.5	88.8	76.7	73.4	70.1	87.7	76.7	133.7	532.5	773.6
87.5°	37.3	42.7	34.0	30.7	32.9	27.4	40.5	23.0	37.3	375.8	465.7
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)