

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: P940733

Luminaire Tested: **GALN-SB3D-940-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940733
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-SB3D-940-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21887 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

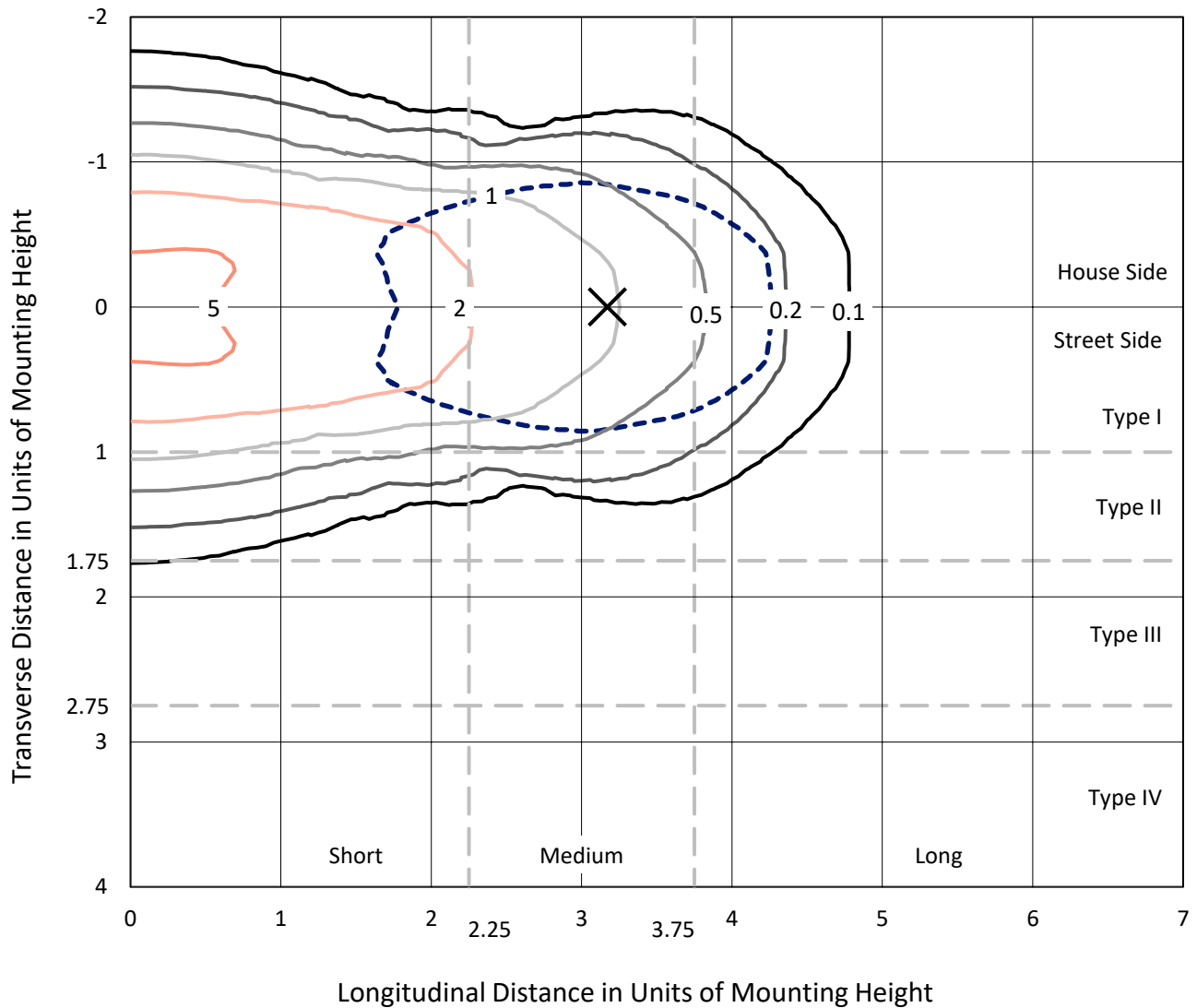
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

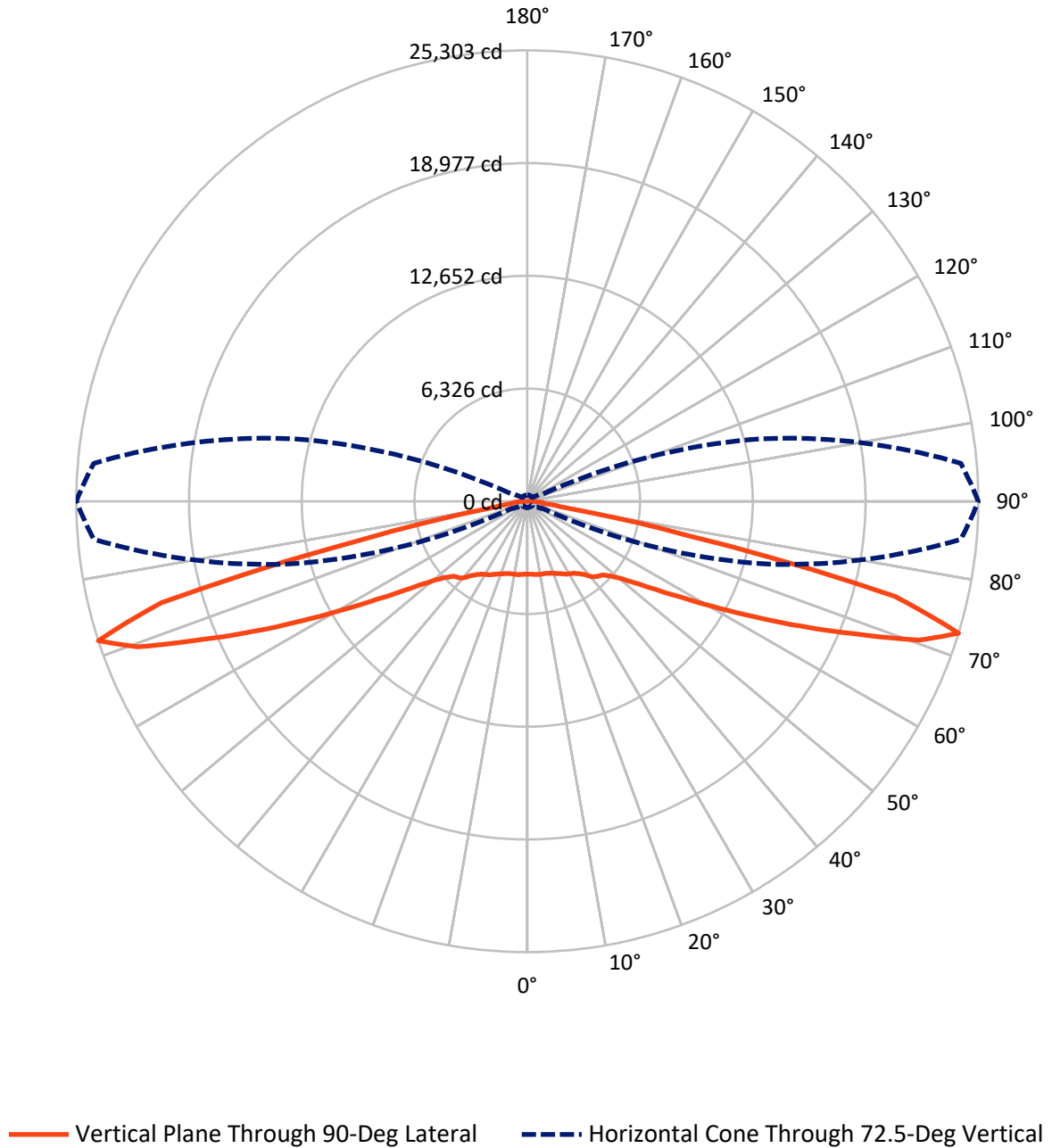
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	10943.5	0.0	10943.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10943.5	0.0	10943.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21887.0	0.0	21887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.6	1.8
10°-20°	1212.5	5.5
20°-30°	2021.8	9.2
30°-40°	2780.5	12.7
40°-50°	3395.8	15.5
50°-60°	3927.6	17.9
60°-70°	4683.0	21.4
70°-80°	3268.4	14.9
80°-90°	200.7	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°	21887.0	100.0
0°-180°	21887.0	100.0

Coefficient of Utilization



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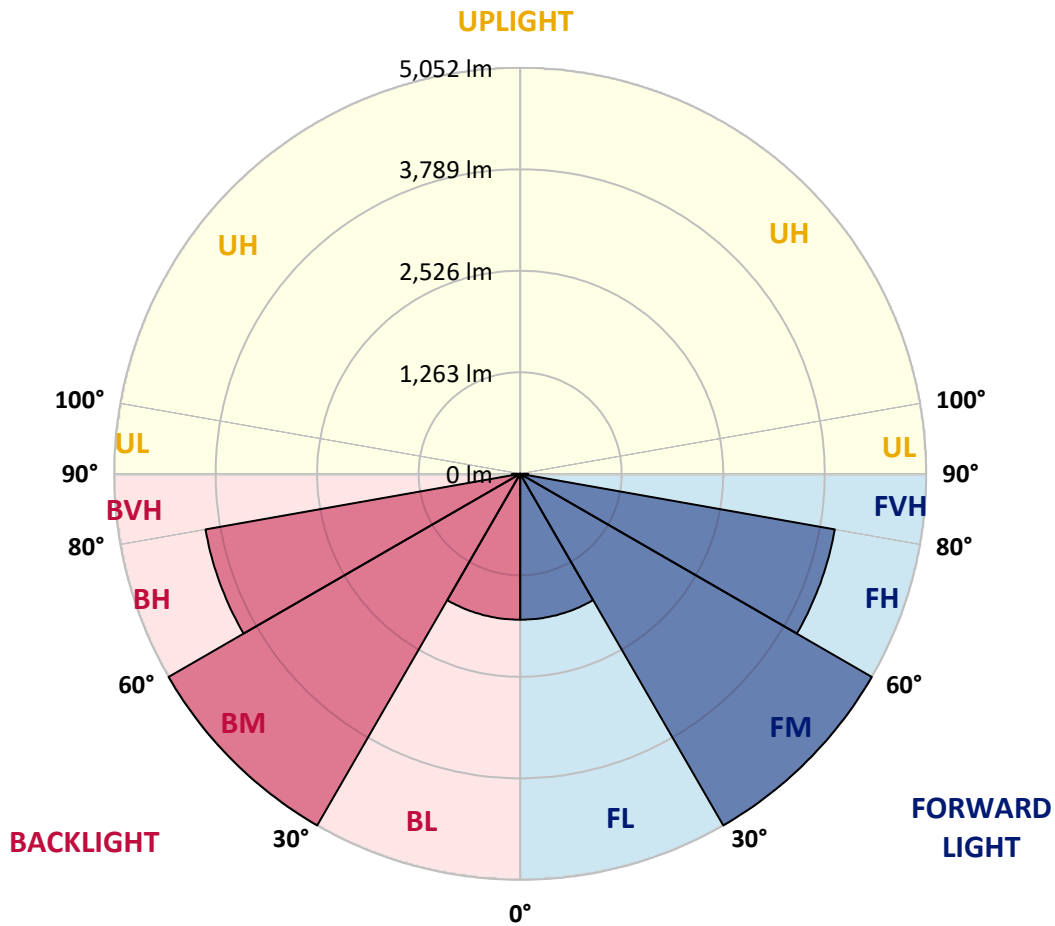
CATALOG NUMBER: GALN-SB3D-940-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1815.4	8.3			
FM (30°-60°)	5052.0	23.1			
FH (60°-80°)	3975.7	18.2			G2/5000
FVH (80°-90°)	100.4	0.5			G2/225
BL (0°-30°)	1815.4	8.3	B3/2500		
BM (30°-60°)	5052.0	23.1	B4/8500		
BH (60°-80°)	3975.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	100.4	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°	4089.8	4089.8	4089.8	4089.8	4089.8	4089.8	4089.8	4089.8	4089.8	4089.8
2.5°	4093.3	4098.0	4098.0	4094.5	4102.6	4095.6	4095.6	4092.1	4095.6	4092.1
5°	4114.2	4120.1	4122.4	4121.2	4131.7	4125.9	4125.9	4121.2	4122.4	4118.9
7.5°	4153.8	4161.9	4166.6	4172.4	4187.5	4180.5	4175.9	4161.9	4156.1	4146.8
10°	4166.6	4175.9	4191.0	4221.3	4256.2	4257.3	4243.4	4208.5	4181.7	4160.8
12.5°	4127.0	4139.8	4171.2	4232.9	4310.8	4342.2	4320.1	4262.0	4209.6	4172.4
15°	4077.0	4091.0	4138.7	4231.7	4346.9	4420.2	4417.8	4341.1	4257.3	4199.2
17.5°	3999.1	4013.0	4081.7	4212.0	4374.8	4495.8	4528.3	4449.2	4331.8	4253.8
20°	3858.3	3871.1	3966.5	4149.1	4384.1	4576.0	4660.9	4591.2	4444.6	4338.7
22.5°	3675.7	3695.5	3807.2	4041.0	4362.0	4659.8	4812.2	4764.5	4576.0	4429.5
25°	3480.3	3501.2	3631.5	3908.4	4305.0	4720.3	4991.3	4961.1	4724.9	4542.3
27.5°	3311.6	3333.7	3475.6	3776.9	4216.6	4743.5	5168.1	5183.2	4905.2	4666.8
30°	3179.0	3200.0	3351.2	3671.1	4102.6	4720.3	5322.8	5427.5	5089.0	4774.9
32.5°	3033.6	3060.4	3219.7	3541.9	3967.7	4664.4	5457.7	5691.5	5301.9	4891.3
35°	2849.8	2874.3	3041.8	3365.1	3790.9	4574.9	5570.6	5984.7	5606.6	5068.1
37.5°	2626.5	2649.8	2816.1	3144.1	3615.2	4449.2	5656.6	6315.0	5969.6	5322.8
40°	2402.0	2424.1	2580.0	2897.5	3404.7	4288.7	5686.9	6638.4	6386.0	5672.9
42.5°	2196.1	2215.9	2359.0	2654.4	3168.6	4084.0	5647.3	6919.9	6759.4	5917.2
45°	2006.5	2024.0	2150.8	2426.4	2923.1	3835.1	5528.7	7222.3	7203.7	6091.7
47.5°	1790.2	1807.6	1939.1	2205.4	2677.7	3543.1	5327.5	7520.1	7821.4	6487.2
50°	1526.1	1541.2	1676.2	1950.7	2422.9	3232.5	5048.3	7753.9	8600.7	7086.2
52.5°	1213.2	1229.5	1360.9	1635.5	2120.5	2898.7	4680.7	7906.3	9501.0	7961.0
55°	902.6	914.3	1028.3	1274.9	1746.0	2518.3	4220.1	7949.3	10522.3	9156.7
57.5°	654.9	661.9	735.1	918.9	1323.7	2042.6	3660.6	7837.7	11737.9	10689.8
60°	530.4	532.7	554.8	636.3	920.1	1505.2	2984.8	7453.8	13056.9	12666.1
62.5°	481.6	481.6	487.4	509.5	622.3	993.4	2167.0	6658.2	14471.4	15163.5
65°	447.8	447.8	450.2	460.6	490.9	632.8	1367.9	5362.4	15663.7	18088.9
67.5°	417.6	418.8	417.6	421.1	438.5	467.6	793.3	3703.6	16305.8	21120.3
70°	386.2	388.5	382.7	382.7	396.7	397.8	496.7	2031.0	15773.0	23660.7
72.5°	349.0	352.5	343.1	340.8	351.3	346.6	373.4	974.8	13542.0	24419.1
75°	316.4	321.0	300.1	294.3	294.3	290.8	303.6	500.2	8789.2	19919.8
77.5°	287.3	296.6	262.9	244.3	239.6	229.2	247.8	305.9	3844.4	9352.1
80°	237.3	250.1	216.4	194.3	186.1	174.5	195.4	214.0	1143.4	2171.7
82.5°	176.8	182.6	153.5	138.4	131.4	123.3	146.6	148.9	372.2	768.9
85°	112.8	115.2	94.2	81.4	77.9	74.4	93.1	81.4	141.9	565.3
87.5°	39.5	45.4	36.1	32.6	34.9	29.1	43.0	24.4	39.5	399.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4089.8
4092.1
4118.9
4146.8
4157.3
4166.6
4189.9
4241.0
4319.0
4402.7
4505.1
4627.2
4717.9
4819.1
4987.8
5215.8
5558.9
5770.6
5893.9
6259.2
6800.1
7608.5
8715.9
10135.0
11967.0
14227.1
16904.8
19841.9
23324.5
25303.1
21306.4
9157.9
2079.8
868.9
821.2
494.4
0.0

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