

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: P940703

Luminaire Tested: **GALN-SB3D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940703
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18385 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

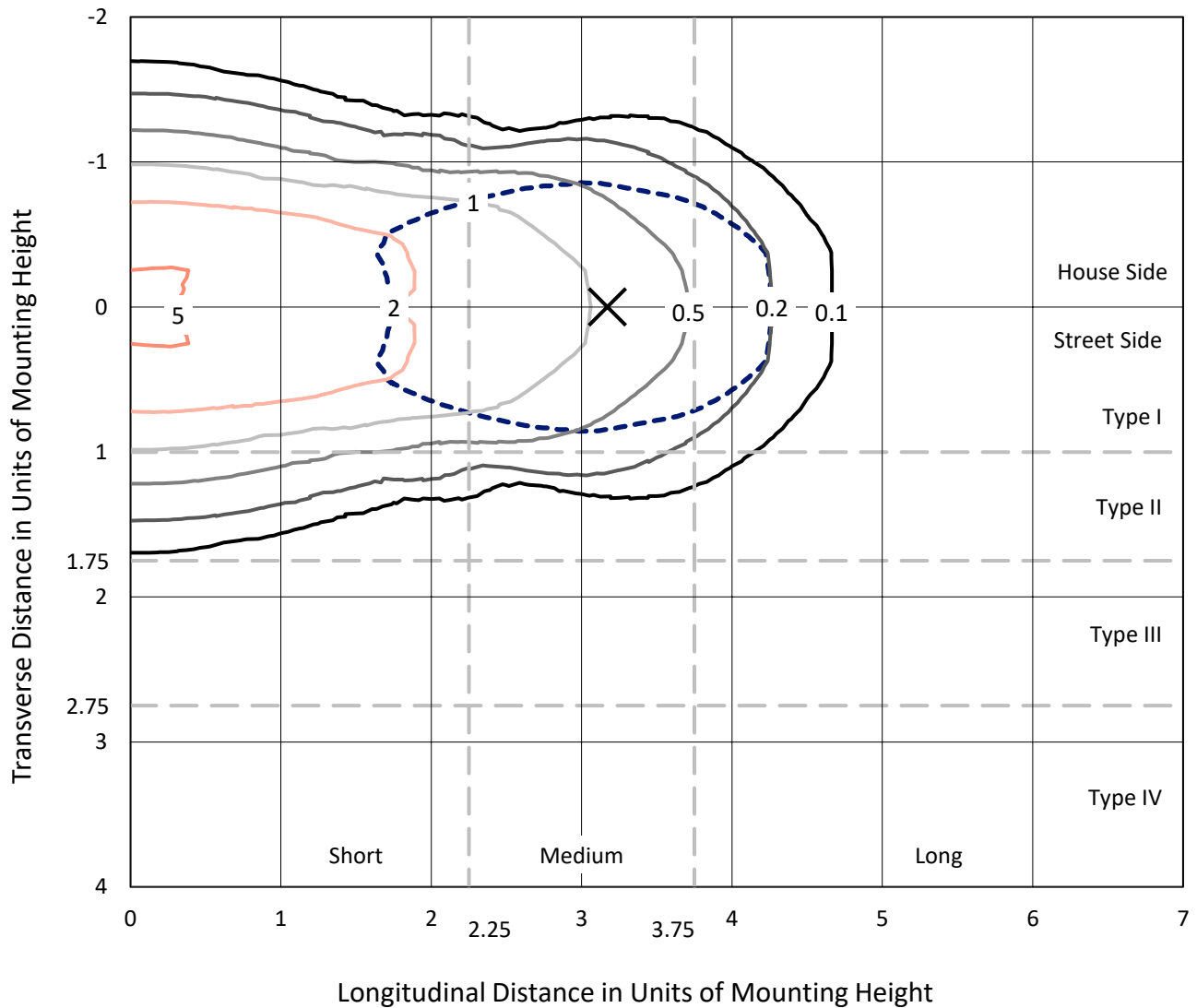
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

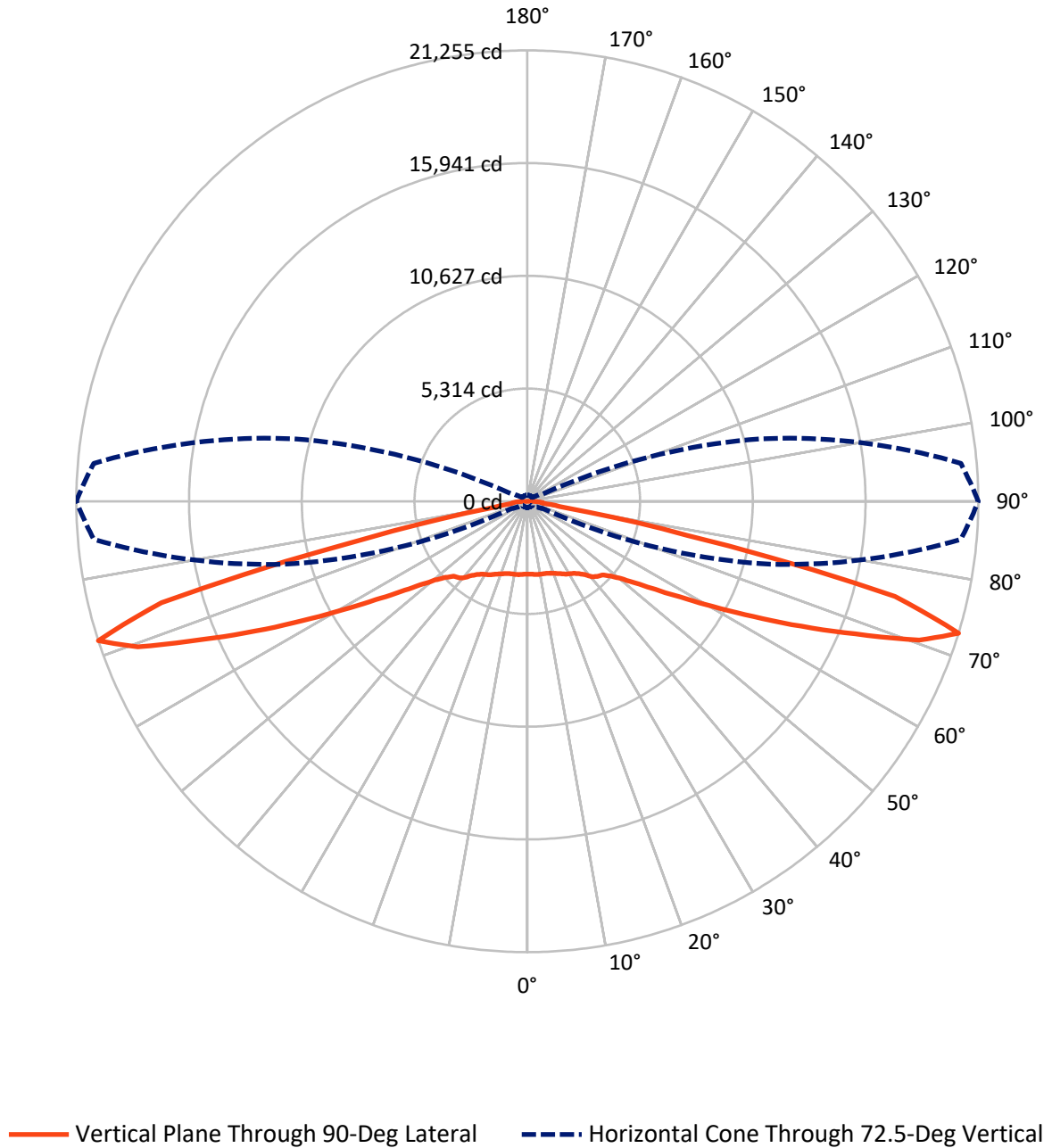
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	9192.5	0.0	9192.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9192.5	0.0	9192.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18385.0	0.0	18385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.1	1.8
10°-20°	1018.5	5.5
20°-30°	1698.3	9.2
30°-40°	2335.7	12.7
40°-50°	2852.5	15.5
50°-60°	3299.2	17.9
60°-70°	3933.7	21.4
70°-80°	2745.5	14.9
80°-90°	168.6	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°	18385.0	100.0
0°-180°	18385.0	100.0

Coefficient of Utilization



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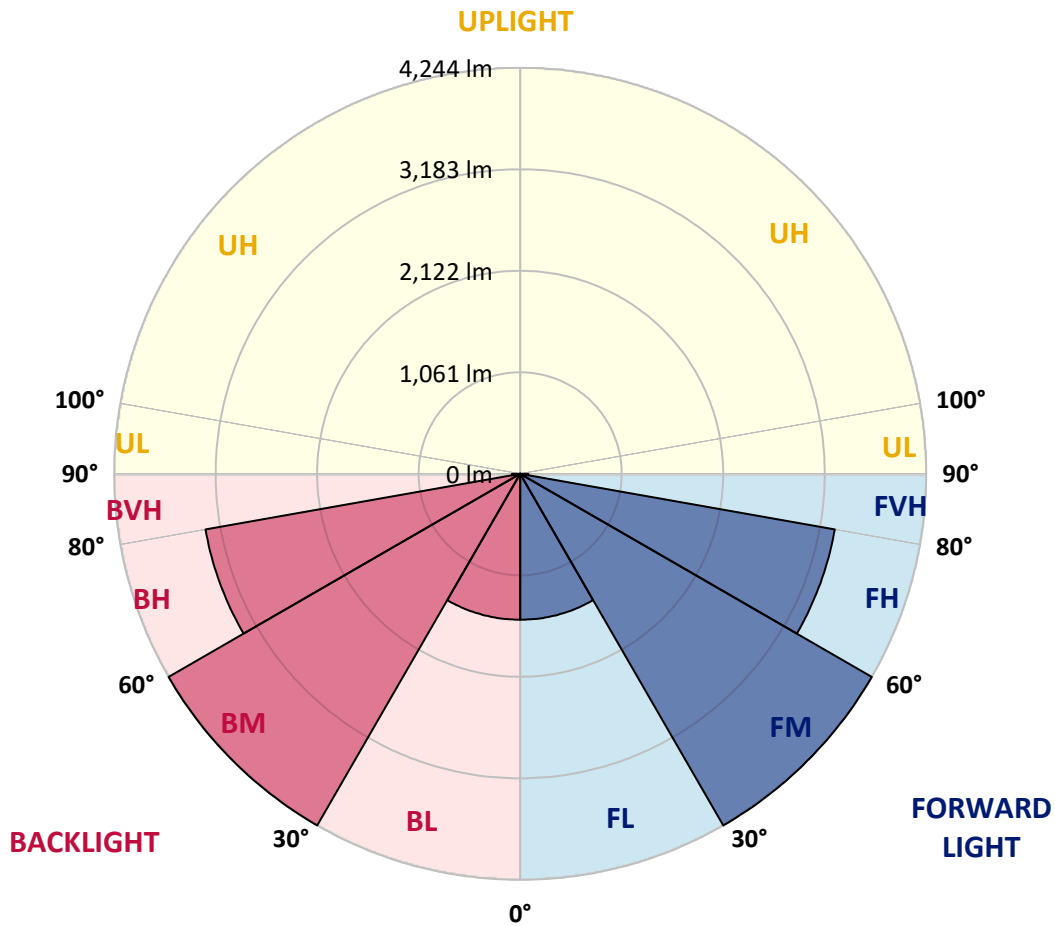
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1524.9	8.3			
FM (30°-60°)	4243.6	23.1			
FH (60°-80°)	3339.6	18.2			G2/5000
FVH (80°-90°)	84.3	0.5			G1/100
BL (0°-30°)	1524.9	8.3	B3/2500		
BM (30°-60°)	4243.6	23.1	B3/5000		
BH (60°-80°)	3339.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	84.3	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°	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4	3435.4
2.5°	3438.4	3442.3	3442.3	3439.3	3446.2	3440.3	3440.3	3437.4	3440.3	3437.4
5°	3456.0	3460.8	3462.8	3461.8	3470.6	3465.7	3465.7	3461.8	3462.8	3459.9
7.5°	3489.2	3496.0	3499.9	3504.8	3517.5	3511.6	3507.7	3496.0	3491.1	3483.3
10°	3499.9	3507.7	3520.4	3545.8	3575.2	3576.1	3564.4	3535.1	3512.6	3495.0
12.5°	3466.7	3477.4	3503.8	3555.6	3621.1	3647.5	3628.9	3580.0	3536.1	3504.8
15°	3424.7	3436.4	3476.5	3554.6	3651.4	3712.9	3711.0	3646.5	3576.1	3527.3
17.5°	3359.2	3370.9	3428.6	3538.0	3674.8	3776.4	3803.8	3737.4	3638.7	3573.2
20°	3241.0	3251.7	3331.9	3485.3	3682.6	3843.9	3915.2	3856.6	3733.4	3644.5
22.5°	3087.6	3104.2	3198.0	3394.4	3664.1	3914.2	4042.2	4002.1	3843.9	3720.7
25°	2923.4	2941.0	3050.5	3283.0	3616.2	3965.0	4192.7	4167.3	3968.9	3815.5
27.5°	2781.8	2800.3	2919.5	3172.6	3541.9	3984.6	4341.2	4353.9	4120.4	3920.1
30°	2670.4	2688.0	2815.0	3083.7	3446.2	3965.0	4471.1	4559.1	4274.7	4010.9
32.5°	2548.2	2570.7	2704.6	2975.2	3332.8	3918.1	4584.5	4780.9	4453.6	4108.6
35°	2393.9	2414.4	2555.1	2826.7	3184.3	3842.9	4679.3	5027.1	4709.6	4257.2
37.5°	2206.3	2225.8	2365.5	2641.1	3036.8	3737.4	4751.6	5304.6	5014.4	4471.1
40°	2017.7	2036.2	2167.2	2433.9	2859.9	3602.5	4777.0	5576.2	5364.2	4765.2
42.5°	1844.7	1861.3	1981.5	2229.7	2661.6	3430.5	4743.7	5812.7	5677.8	4970.4
45°	1685.5	1700.1	1806.6	2038.2	2455.4	3221.4	4644.1	6066.7	6051.1	5117.0
47.5°	1503.7	1518.4	1628.8	1852.6	2249.2	2976.2	4475.0	6316.9	6569.9	5449.2
50°	1281.9	1294.6	1408.0	1638.6	2035.3	2715.3	4240.5	6513.2	7224.6	5952.4
52.5°	1019.1	1032.8	1143.2	1373.8	1781.2	2434.9	3931.8	6641.2	7980.8	6687.2
55°	758.2	768.0	863.7	1070.9	1466.6	2115.4	3544.9	6677.4	8838.7	7691.6
57.5°	550.1	556.0	617.5	771.9	1111.9	1715.8	3074.9	6583.6	9859.8	8979.4
60°	445.6	447.5	466.1	534.5	772.9	1264.3	2507.2	6261.2	10967.8	10639.5
62.5°	404.5	404.5	409.4	428.0	522.7	834.4	1820.3	5592.8	12155.9	12737.3
65°	376.2	376.2	378.1	386.9	412.3	531.5	1149.1	4504.4	13157.4	15194.7
67.5°	350.8	351.8	350.8	353.7	368.4	392.8	666.4	3111.0	13696.8	17740.9
70°	324.4	326.3	321.5	321.5	333.2	334.2	417.2	1706.0	13249.3	19874.9
72.5°	293.1	296.1	288.2	286.3	295.1	291.2	313.6	818.8	11375.2	20511.9
75°	265.8	269.7	252.1	247.2	247.2	244.3	255.0	420.1	7382.9	16732.6
77.5°	241.3	249.2	220.8	205.2	201.3	192.5	208.1	257.0	3229.3	7855.8
80°	199.3	210.1	181.7	163.2	156.3	146.6	164.2	179.8	960.5	1824.2
82.5°	148.5	153.4	129.0	116.3	110.4	103.6	123.1	125.1	312.7	645.9
85°	94.8	96.7	79.1	68.4	65.5	62.5	78.2	68.4	119.2	474.9
87.5°	33.2	38.1	30.3	27.4	29.3	24.4	36.2	20.5	33.2	335.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3435.4
3437.4
3459.9
3483.3
3492.1
3499.9
3519.5
3562.5
3627.9
3698.3
3784.3
3886.8
3963.1
4048.1
4189.7
4381.2
4669.5
4847.3
4950.9
5257.7
5712.0
6391.1
7321.3
8513.3
10052.3
11950.7
14200.0
16667.1
19592.5
21254.5
17897.3
7692.6
1747.0
729.9
689.8
415.3
0.0

OF REPORT)