

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: P940593

Luminaire Tested: **GALN-SB3D-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940593
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28015 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

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

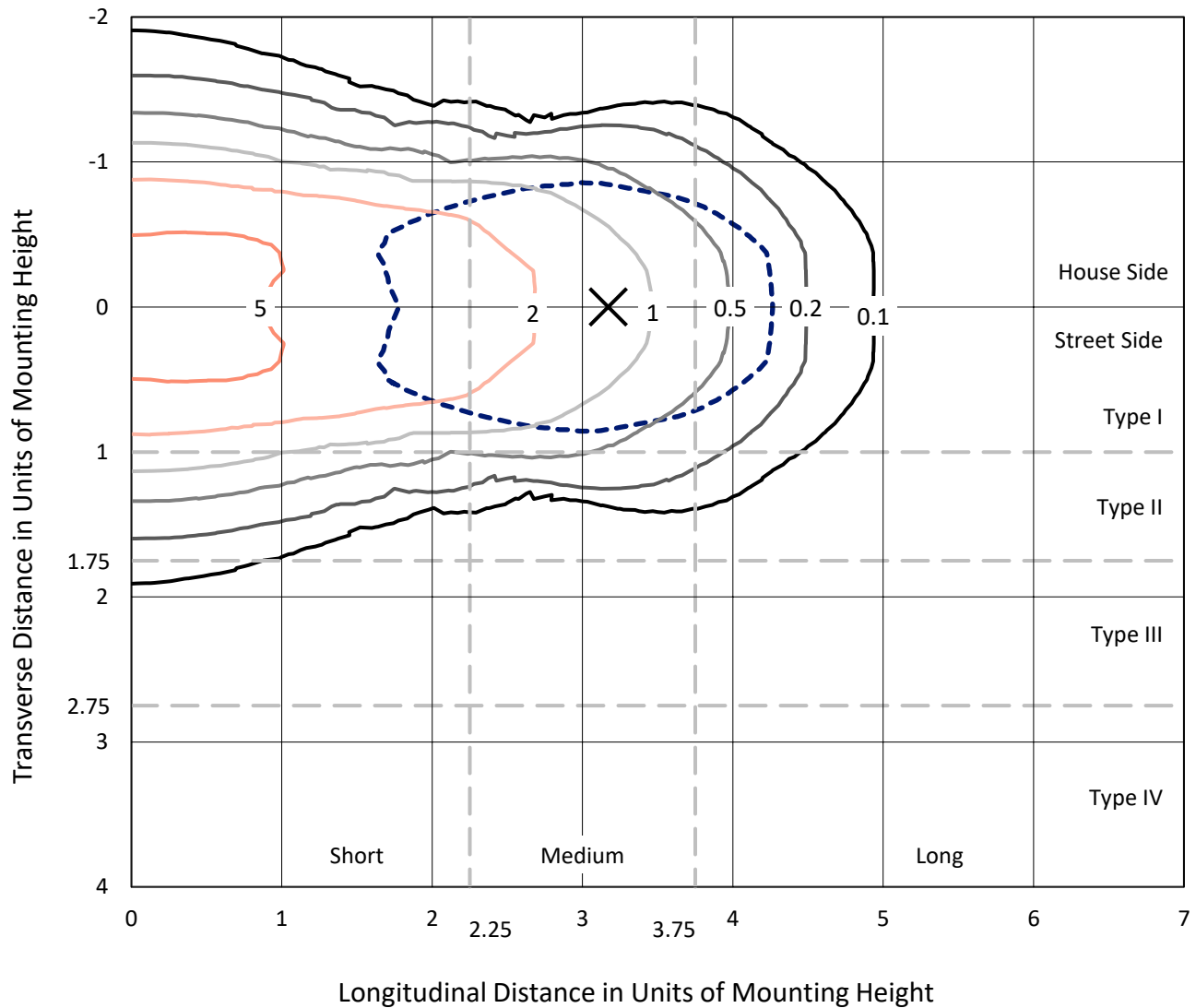


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Iso-Footcandle Lines of Horizontal Illumination

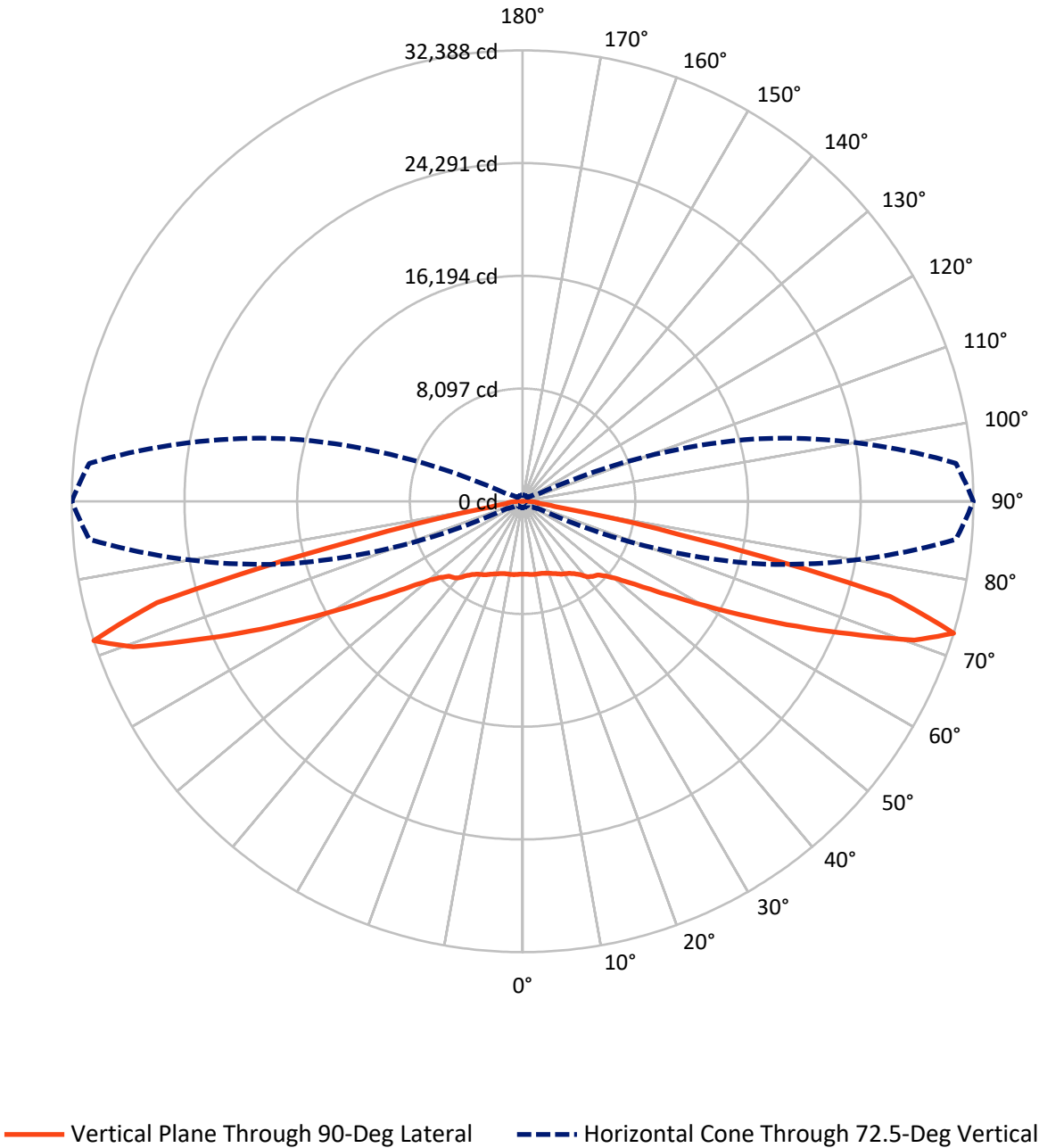
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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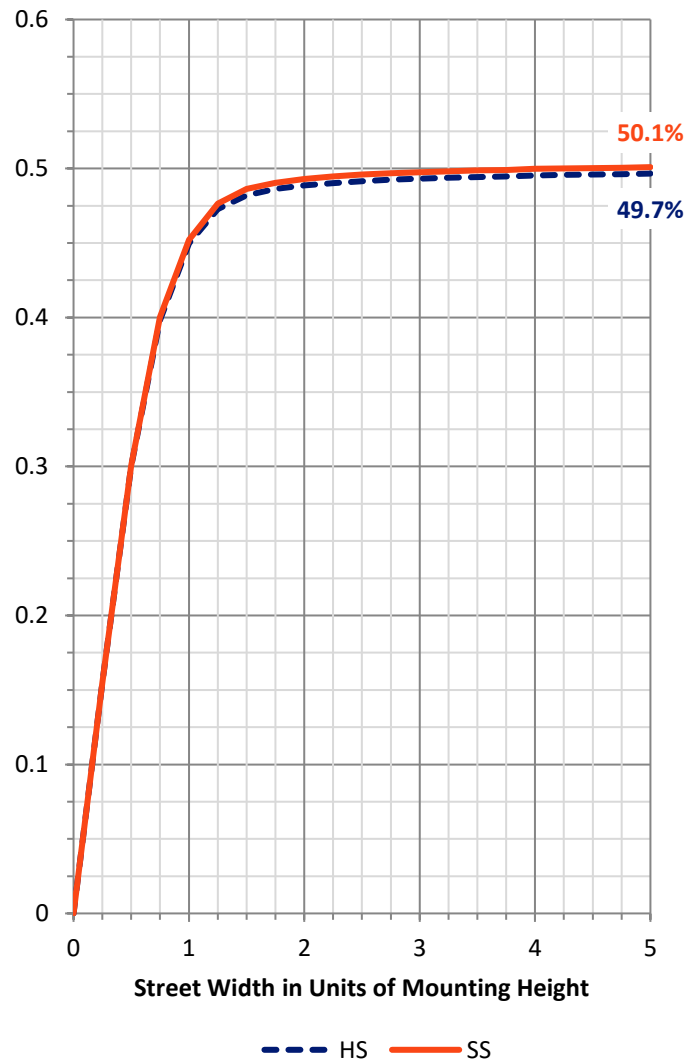
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14007.5	0.0	14007.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14007.5	0.0	14007.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28015.0	0.0	28015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.6	1.8
10°-20°	1552.0	5.5
20°-30°	2587.8	9.2
30°-40°	3559.0	12.7
40°-50°	4346.6	15.5
50°-60°	5027.3	17.9
60°-70°	5994.2	21.4
70°-80°	4183.5	14.9
80°-90°	257.0	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°	28015.0	100.0
0°-180°	28015.0	100.0

Coefficient of Utilization



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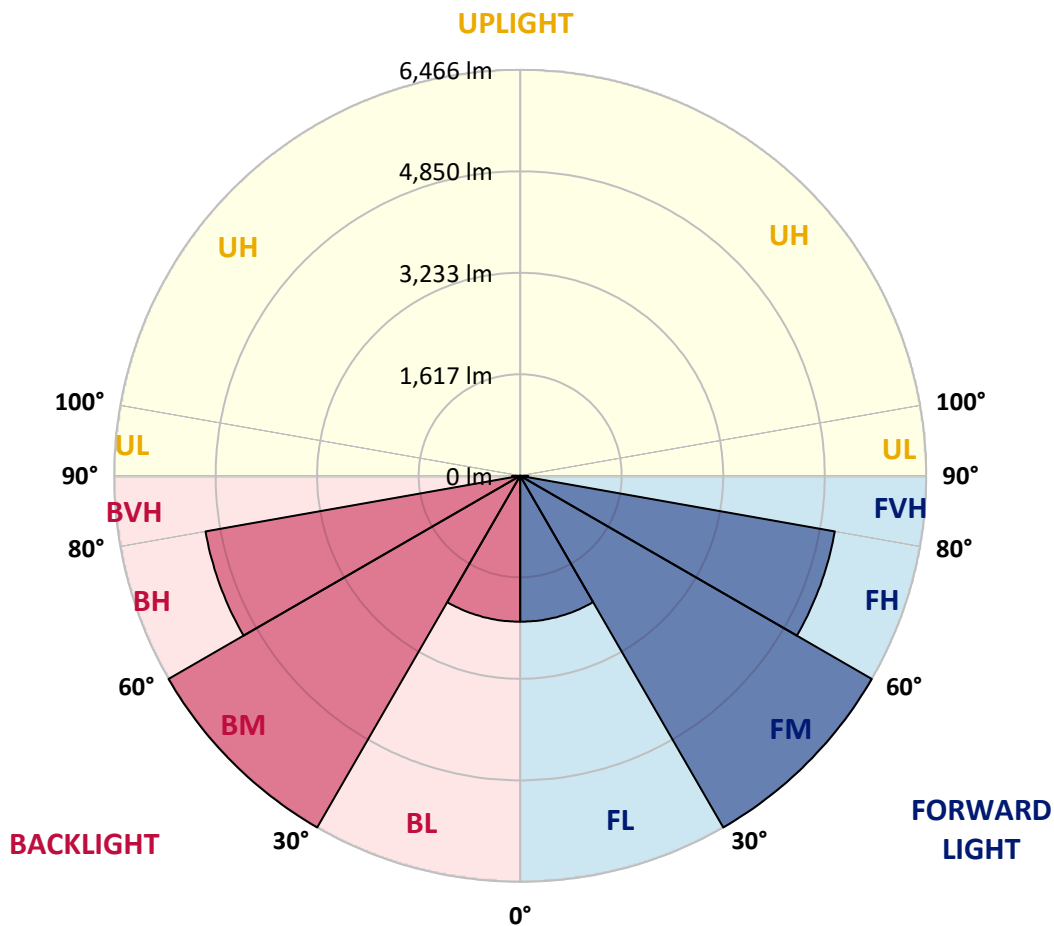
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2323.7	8.3			
FM	(30°-60°)	6466.4	23.1			
FH	(60°-80°)	5088.9	18.2			G3/7500
FVH	(80°-90°)	128.5	0.5			G2/225
BL	(0°-30°)	2323.7	8.3	B3/2500		
BM	(30°-60°)	6466.4	23.1	B4/8500		
BH	(60°-80°)	5088.9	18.2	B5		G5
BVH	(80°-90°)	128.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9	5234.9
2.5°	5239.4	5245.3	5245.3	5240.9	5251.3	5242.3	5242.3	5237.9	5242.3	5237.9	5237.9
5°	5266.2	5273.6	5276.6	5275.1	5288.5	5281.1	5281.1	5275.1	5276.6	5272.1	5272.1
7.5°	5316.8	5327.2	5333.2	5340.6	5360.0	5351.0	5345.1	5327.2	5319.8	5307.9	5307.9
10°	5333.2	5345.1	5364.4	5403.1	5447.8	5449.3	5431.4	5386.8	5352.5	5325.7	5321.3
12.5°	5282.5	5298.9	5339.1	5418.0	5517.8	5558.0	5529.7	5455.3	5388.3	5340.6	5333.2
15°	5218.5	5236.4	5297.4	5416.5	5563.9	5657.7	5654.8	5556.5	5449.3	5374.9	5362.9
17.5°	5118.8	5136.6	5224.5	5391.2	5599.7	5754.5	5796.2	5695.0	5544.6	5444.8	5428.5
20°	4938.6	4955.0	5077.1	5310.8	5611.6	5857.2	5965.9	5876.6	5689.0	5553.5	5528.2
22.5°	4704.9	4730.2	4873.1	5172.4	5583.3	5964.4	6159.5	6098.4	5857.2	5669.7	5635.4
25°	4454.7	4481.5	4648.3	5002.6	5510.3	6041.9	6388.8	6350.1	6047.8	5814.1	5766.4
27.5°	4238.8	4267.1	4448.8	4834.4	5397.2	6071.6	6615.1	6634.4	6278.6	5973.4	5922.8
30°	4069.1	4095.9	4289.5	4698.9	5251.3	6041.9	6813.1	6947.1	6513.8	6111.8	6038.9
32.5°	3883.0	3917.2	4121.2	4533.6	5078.6	5970.4	6985.8	7285.1	6786.3	6260.7	6168.4
35°	3647.8	3679.0	3893.4	4307.3	4852.3	5855.8	7130.2	7660.3	7176.4	6487.0	6384.3
37.5°	3361.9	3391.7	3604.6	4024.4	4627.4	5695.0	7240.4	8083.1	7640.9	6813.1	6676.1
40°	3074.5	3102.8	3302.3	3708.8	4357.9	5489.5	7279.1	8497.0	8173.9	7261.3	7115.4
42.5°	2811.0	2836.3	3019.4	3397.6	4055.7	5227.5	7228.5	8857.3	8651.9	7573.9	7386.3
45°	2568.3	2590.6	2752.9	3105.8	3741.6	4908.8	7076.6	9244.4	9220.6	7797.3	7544.1
47.5°	2291.4	2313.7	2482.0	2822.9	3427.4	4535.1	6819.1	9625.6	10011.2	8303.5	8011.7
50°	1953.4	1972.8	2145.5	2496.9	3101.3	4137.6	6461.7	9924.9	11008.8	9070.3	8704.0
52.5°	1552.9	1573.7	1742.0	2093.4	2714.2	3710.3	5991.2	10119.9	12161.2	10189.9	9738.8
55°	1155.4	1170.3	1316.2	1631.8	2234.8	3223.4	5401.7	10175.0	13468.4	11720.5	11156.2
57.5°	838.2	847.2	941.0	1176.2	1694.3	2614.5	4685.5	10032.1	15024.3	13682.8	12972.6
60°	678.9	681.9	710.2	814.4	1177.7	1926.6	3820.5	9540.7	16712.7	16212.4	15317.6
62.5°	616.4	616.4	623.8	652.1	796.6	1271.5	2773.8	8522.3	18523.1	19409.0	18210.5
65°	573.2	573.2	576.2	589.6	628.3	810.0	1750.9	6863.7	20049.2	23153.6	21637.9
67.5°	534.5	536.0	534.5	539.0	561.3	598.5	1015.4	4740.6	20871.1	27033.6	25397.3
70°	494.3	497.3	489.8	489.8	507.7	509.2	635.8	2599.6	20189.2	30285.3	29855.0
72.5°	446.7	451.1	439.2	436.2	449.6	443.7	477.9	1247.7	17333.5	31256.0	32387.6
75°	405.0	410.9	384.1	376.7	376.7	372.2	388.6	640.2	11250.0	25497.1	27271.8
77.5°	367.8	379.7	336.5	312.7	306.7	293.3	317.1	391.6	4920.7	11970.6	11721.9
80°	303.7	320.1	276.9	248.6	238.2	223.3	250.1	274.0	1463.6	2779.7	2662.1
82.5°	226.3	233.8	196.5	177.2	168.2	157.8	187.6	190.6	476.4	984.1	1112.2
85°	144.4	147.4	120.6	104.2	99.8	95.3	119.1	104.2	181.6	723.6	1051.1
87.5°	50.6	58.1	46.2	41.7	44.7	37.2	55.1	31.3	50.6	510.7	632.8
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)