

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: P949094

Luminaire Tested: **GALN-SB3D-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22257 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

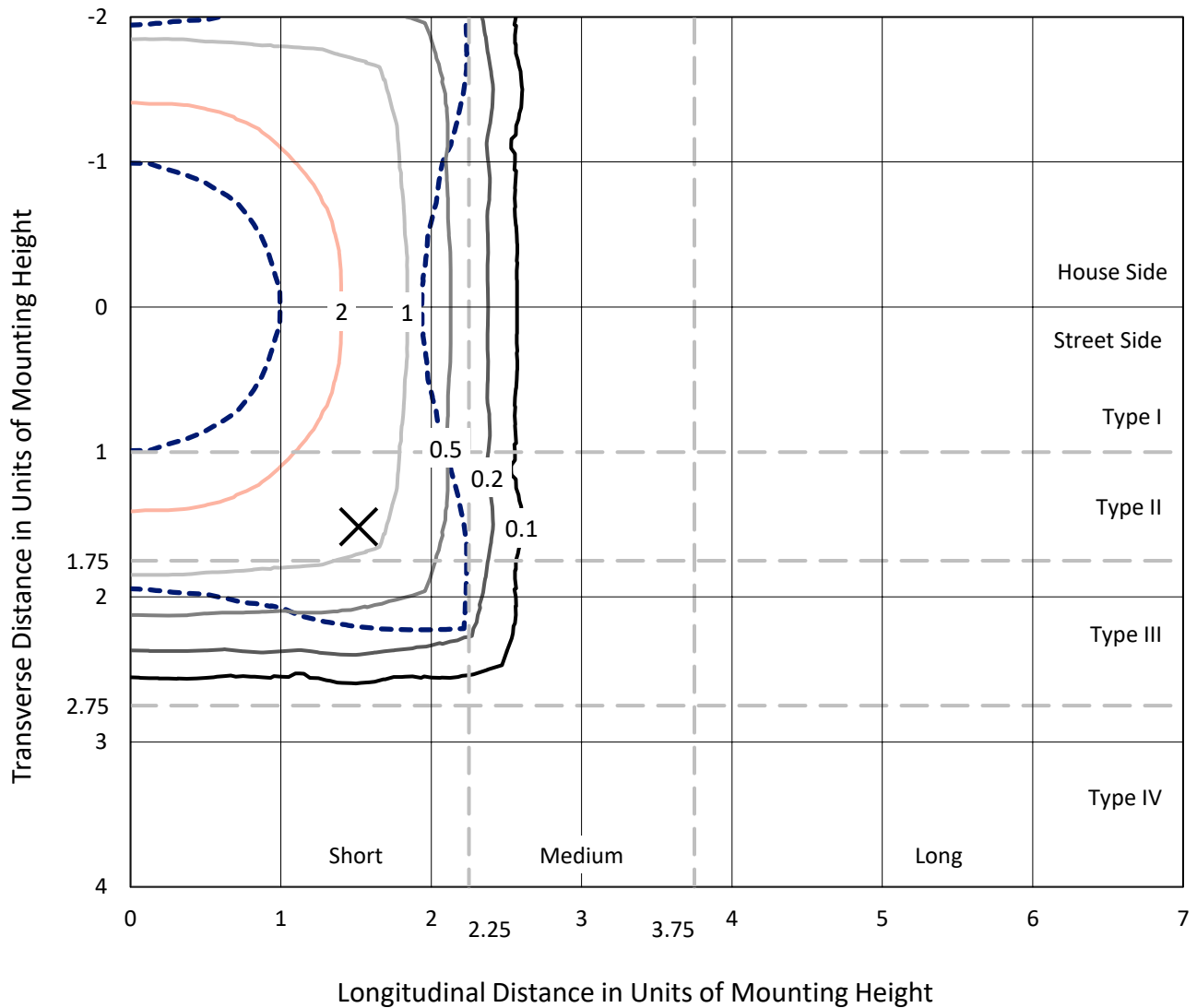
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

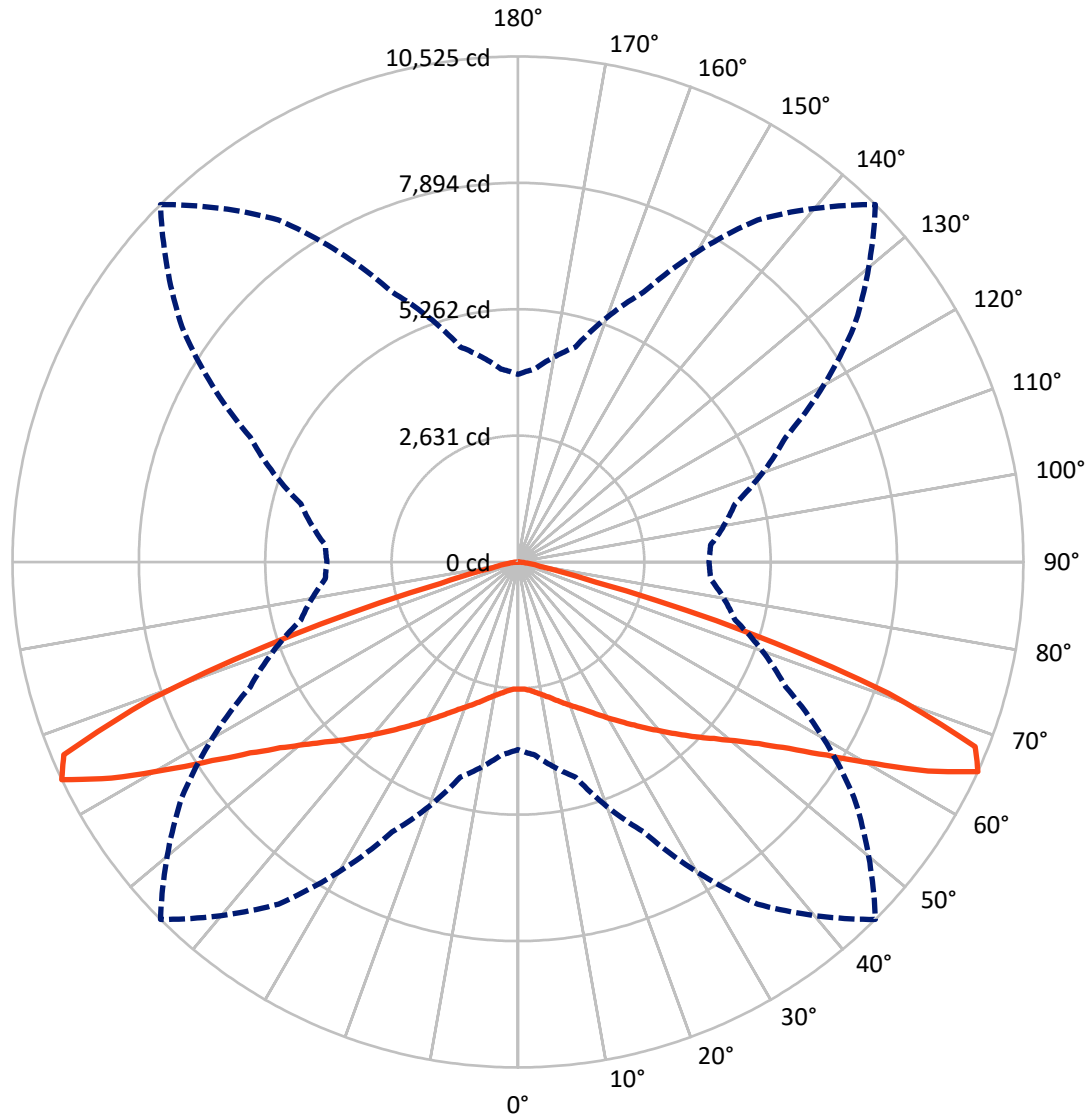
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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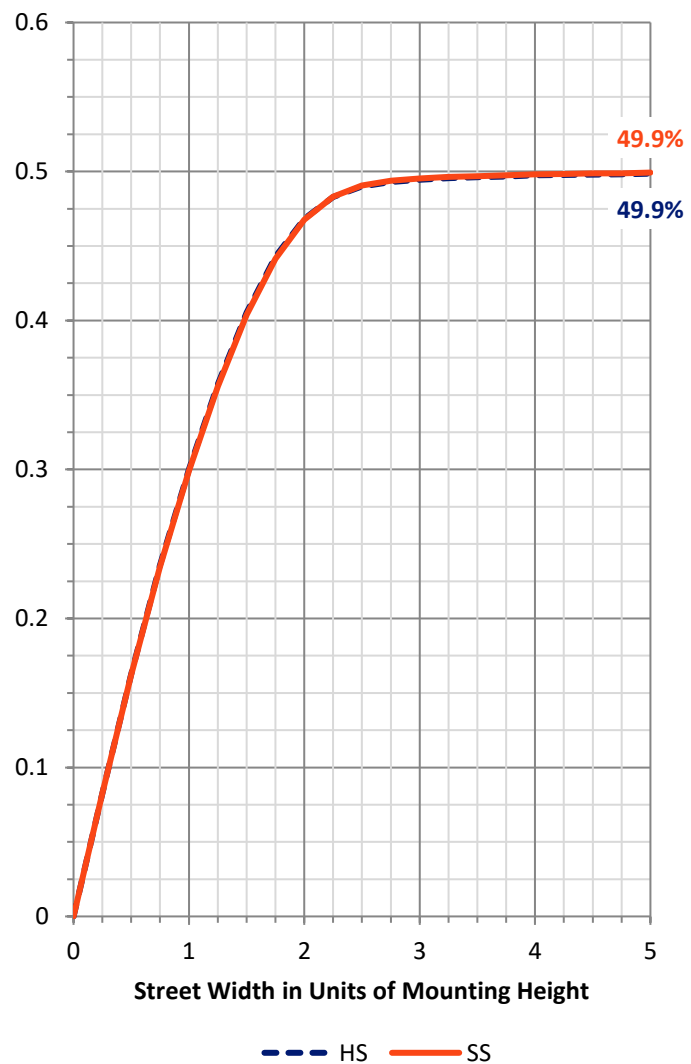
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11128.5	0.0	11128.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11128.5	0.0	11128.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22257.0	0.0	22257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	1.2
10°-20°	853.0	3.8
20°-30°	1610.6	7.2
30°-40°	2637.3	11.8
40°-50°	4089.1	18.4
50°-60°	6040.4	27.1
60°-70°	5749.9	25.8
70°-80°	927.8	4.2
80°-90°	87.5	0.4
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°	22257.0	100.0
0°-180°	22257.0	100.0

Coefficient of Utilization



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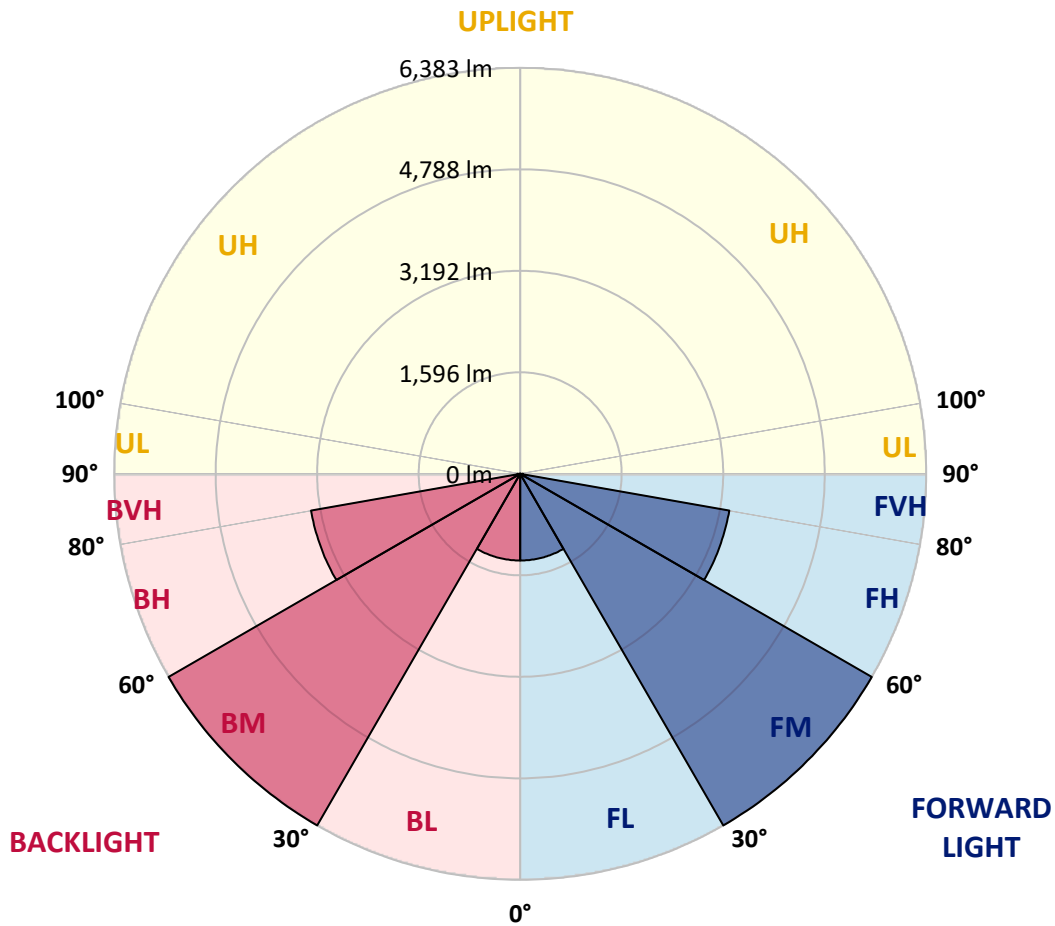
CATALOG NUMBER: GALN-SB3D-950-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1362.5	6.1			
FM (30°-60°)	6383.4	28.7			
FH (60°-80°)	3338.9	15.0			G2/5000
FVH (80°-90°)	43.7	0.2			G1/100
BL (0°-30°)	1362.5	6.1	B3/2500		
BM (30°-60°)	6383.4	28.7	B4/8500		
BH (60°-80°)	3338.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	43.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2648.8	2648.8	2648.8	2648.8	2648.8	2648.8	2648.8	2648.8	2648.8	2648.8
2.5°	2666.7	2657.7	2664.4	2658.9	2654.4	2649.9	2652.2	2660.0	2663.3	2664.4
5°	2702.4	2694.6	2697.9	2697.9	2690.1	2687.9	2689.0	2694.6	2701.3	2701.3
7.5°	2760.5	2752.7	2760.5	2756.0	2749.3	2747.1	2746.0	2750.4	2760.5	2760.5
10°	2830.8	2821.9	2826.4	2824.1	2816.3	2813.0	2811.8	2818.5	2827.5	2826.4
12.5°	2907.9	2897.8	2903.4	2896.7	2894.5	2891.1	2891.1	2890.0	2895.6	2891.1
15°	2993.9	2987.2	2989.4	2984.9	2988.3	2986.0	2977.1	2972.6	2974.9	2968.2
17.5°	3095.5	3079.9	3087.7	3085.4	3085.4	3089.9	3075.4	3069.8	3074.3	3067.6
20°	3212.7	3197.1	3200.5	3196.0	3190.4	3194.9	3177.0	3181.5	3184.8	3180.4
22.5°	3341.2	3321.1	3319.9	3322.2	3309.9	3311.0	3298.7	3309.9	3316.6	3304.3
25°	3472.9	3451.7	3466.2	3460.6	3445.0	3448.4	3439.4	3450.6	3456.2	3440.5
27.5°	3612.5	3598.0	3611.4	3614.7	3595.8	3609.2	3595.8	3605.8	3611.4	3587.9
30°	3775.6	3761.0	3773.3	3782.3	3759.9	3781.1	3770.0	3776.7	3777.8	3749.9
32.5°	3953.1	3930.8	3962.0	3966.5	3941.9	3967.6	3953.1	3962.0	3967.6	3929.7
35°	4169.7	4141.8	4177.6	4172.0	4150.8	4172.0	4158.6	4172.0	4185.4	4139.6
37.5°	4403.1	4374.1	4412.1	4402.0	4381.9	4396.4	4388.6	4397.6	4418.8	4369.6
40°	4660.0	4624.2	4675.6	4657.7	4638.8	4636.5	4641.0	4646.6	4674.5	4619.8
42.5°	4934.7	4896.7	4973.8	4945.9	4919.1	4901.2	4915.7	4926.9	4953.7	4892.3
45°	5248.5	5204.9	5305.4	5271.9	5229.5	5192.6	5216.1	5232.8	5271.9	5198.2
47.5°	5594.7	5545.5	5652.7	5642.7	5573.4	5493.0	5546.6	5594.7	5623.7	5534.4
50°	5933.0	5895.0	6035.7	6048.0	5963.2	5850.4	5925.2	5997.8	6005.6	5888.3
52.5°	6250.2	6212.2	6416.5	6493.6	6417.7	6283.7	6362.9	6436.6	6377.5	6225.6
55°	6503.6	6472.4	6732.6	6931.3	6957.0	6846.5	6893.4	6891.1	6696.8	6463.4
57.5°	6565.1	6560.6	6888.9	7309.9	7577.9	7591.3	7498.6	7261.9	6843.1	6529.3
60°	6285.9	6313.8	6765.0	7507.6	8222.2	8519.3	8118.4	7442.8	6676.7	6241.2
62.5°	5450.6	5524.3	6068.1	7266.3	8742.6	9586.8	8615.3	7168.1	5993.3	5424.9
65°	3906.2	4034.6	4635.4	6201.0	8695.7	10524.9	8543.8	6150.8	4680.1	4024.6
67.5°	1772.2	1902.9	2413.2	4245.7	7558.9	10270.3	7541.1	4290.4	2533.8	1909.6
70°	642.1	664.4	828.6	1699.6	4830.8	8183.2	5037.4	1711.9	881.1	708.0
72.5°	388.6	392.0	426.6	608.6	1678.4	4968.2	1749.9	628.7	435.5	386.4
75°	246.8	244.6	303.7	371.9	595.2	1676.2	624.2	371.9	302.6	275.8
77.5°	177.6	183.1	217.8	278.1	375.2	568.4	368.5	265.8	217.8	178.7
80°	132.9	136.2	158.6	216.6	263.5	354.0	234.5	196.5	164.2	111.7
82.5°	96.0	96.0	103.9	157.5	160.8	191.0	127.3	138.5	108.3	79.3
85°	57.0	55.8	64.8	93.8	83.8	70.4	58.1	84.9	68.1	49.1
87.5°	20.1	21.2	20.1	26.8	22.3	19.0	17.9	23.5	19.0	16.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2648.8
2664.4
2701.3
2757.1
2824.1
2893.4
2969.3
3073.2
3190.4
3316.6
3458.4
3605.8
3766.6
3955.3
4167.5
4399.8
4637.6
4924.6
5236.2
5564.5
5902.9
6230.1
6471.3
6509.2
6189.9
5391.4
3976.6
1881.6
699.1
393.1
278.1
182.0
115.0
79.3
48.0
15.6
0.0

OF REPORT)