

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: P956948

Luminaire Tested: **GALN-SB9B-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956948
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-SB9B-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37388 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

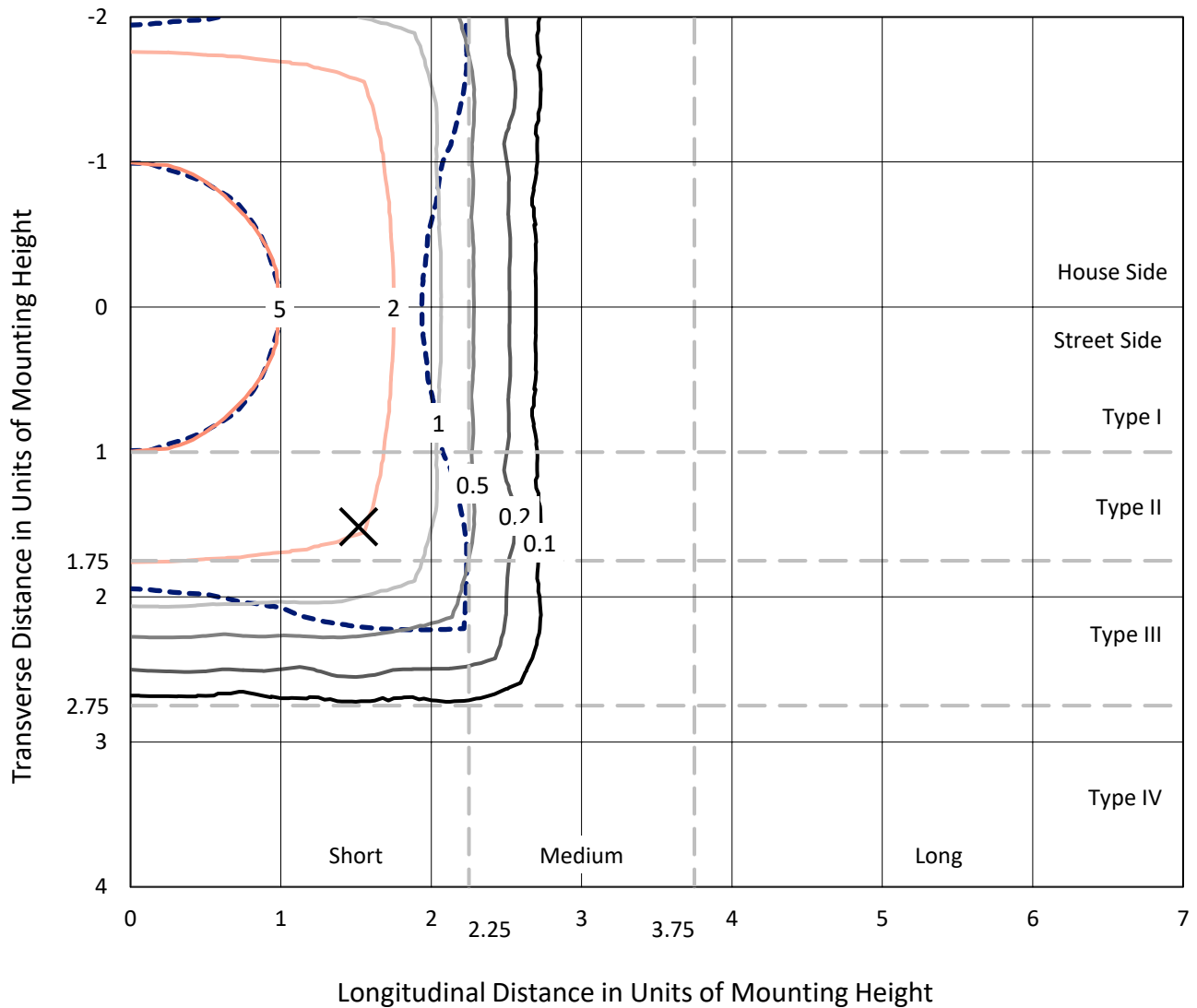
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

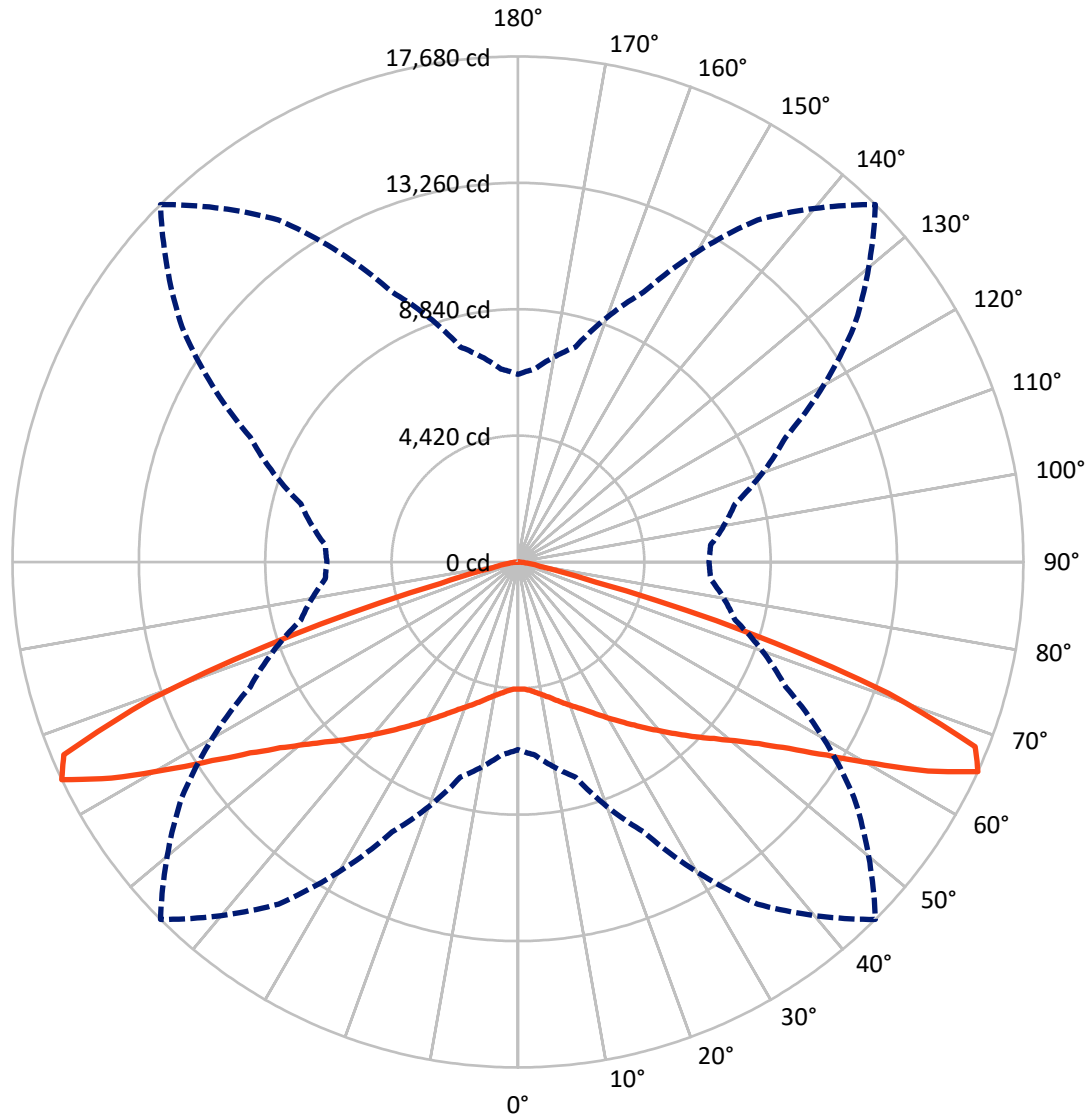
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	18694.0	0.0	18694.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18694.0	0.0	18694.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37388.0	0.0	37388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.1	1.2
10°-20°	1432.9	3.8
20°-30°	2705.5	7.2
30°-40°	4430.1	11.8
40°-50°	6869.0	18.4
50°-60°	10146.9	27.1
60°-70°	9658.9	25.8
70°-80°	1558.6	4.2
80°-90°	146.9	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°	37388.0	100.0
0°-180°	37388.0	100.0

Coefficient of Utilization



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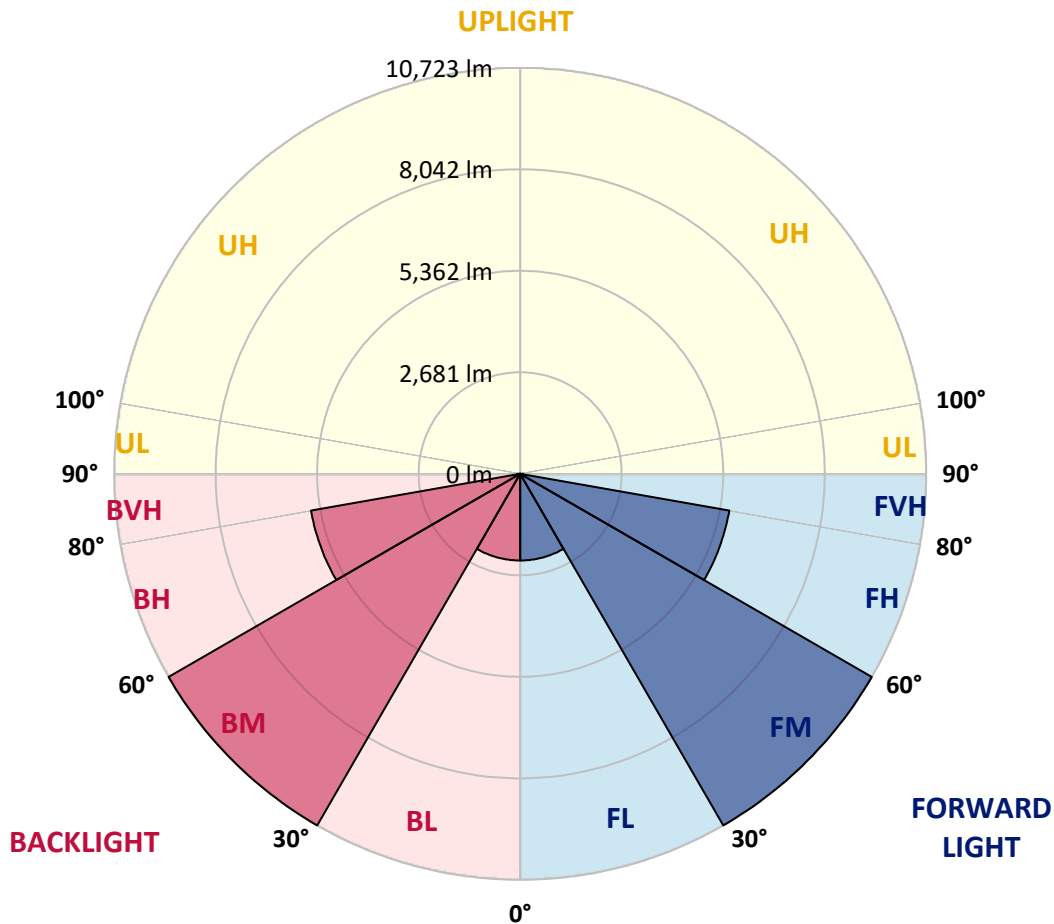
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2288.8	6.1			
FM (30°-60°)	10723.0	28.7			
FH (60°-80°)	5608.8	15.0			G3/7500
FVH (80°-90°)	73.5	0.2			G1/100
BL (0°-30°)	2288.8	6.1	B3/2500		
BM (30°-60°)	10723.0	28.7	B5		
BH (60°-80°)	5608.8	15.0	B5		G3/7500
BVH (80°-90°)	73.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4449.5	4449.5	4449.5	4449.5	4449.5	4449.5	4449.5	4449.5	4449.5	4449.5
2.5°	4479.6	4464.6	4475.8	4466.4	4458.9	4451.4	4455.2	4468.3	4473.9	4475.8
5°	4539.6	4526.5	4532.1	4532.1	4519.0	4515.2	4517.1	4526.5	4537.7	4537.7
7.5°	4637.1	4624.0	4637.1	4629.6	4618.4	4614.6	4612.7	4620.2	4637.1	4637.1
10°	4755.3	4740.3	4747.8	4744.1	4730.9	4725.3	4723.4	4734.7	4749.7	4747.8
12.5°	4884.7	4867.9	4877.2	4866.0	4862.2	4856.6	4856.6	4854.7	4864.1	4856.6
15°	5029.2	5017.9	5021.7	5014.2	5019.8	5016.1	5001.0	4993.5	4997.3	4986.0
17.5°	5199.9	5173.6	5186.8	5183.0	5183.0	5190.5	5166.1	5156.7	5164.2	5153.0
20°	5396.9	5370.6	5376.2	5368.7	5359.3	5366.8	5336.8	5344.3	5350.0	5342.5
22.5°	5612.6	5578.8	5576.9	5580.7	5560.1	5561.9	5541.3	5560.1	5571.3	5550.7
25°	5833.9	5798.3	5822.7	5813.3	5787.0	5792.7	5777.7	5796.4	5805.8	5779.5
27.5°	6068.4	6044.0	6066.5	6072.2	6040.3	6062.8	6040.3	6057.2	6066.5	6027.1
30°	6342.3	6317.9	6338.5	6353.5	6316.0	6351.7	6332.9	6344.2	6346.0	6299.1
32.5°	6640.6	6603.0	6655.6	6663.1	6621.8	6664.9	6640.6	6655.6	6664.9	6601.2
35°	7004.5	6957.6	7017.6	7008.2	6972.6	7008.2	6985.7	7008.2	7030.7	6953.8
37.5°	7396.5	7347.8	7411.5	7394.7	7360.9	7385.3	7372.1	7387.1	7422.8	7340.3
40°	7828.0	7767.9	7854.2	7824.2	7792.3	7788.6	7796.1	7805.5	7852.4	7760.4
42.5°	8289.4	8225.7	8355.1	8308.2	8263.2	8233.2	8257.5	8276.3	8321.3	8218.2
45°	8816.6	8743.4	8912.2	8855.9	8784.7	8722.8	8762.2	8790.3	8855.9	8732.1
47.5°	9398.1	9315.5	9495.6	9478.7	9362.4	9227.4	9317.4	9398.1	9446.8	9296.8
50°	9966.5	9902.7	10139.0	10159.7	10017.1	9827.6	9953.3	10075.3	10088.4	9891.4
52.5°	10499.2	10435.4	10778.7	10908.1	10780.6	10555.5	10688.7	10812.5	10713.1	10457.9
55°	10925.0	10872.5	11309.6	11643.5	11686.6	11500.9	11579.7	11575.9	11249.5	10857.5
57.5°	11028.2	11020.7	11572.2	12279.4	12729.6	12752.1	12596.4	12198.7	11495.3	10968.2
60°	10559.2	10606.1	11364.0	12611.4	13812.0	14311.0	13637.5	12502.6	11215.8	10484.2
62.5°	9156.1	9279.9	10193.4	12206.2	14686.1	16104.3	14472.3	12041.2	10067.8	9112.9
65°	6561.8	6777.5	7786.7	10416.7	14607.3	17680.0	14352.2	10332.3	7861.7	6760.6
67.5°	2977.0	3196.5	4053.7	7132.0	12697.7	17252.3	12667.7	7207.1	4256.3	3207.7
70°	1078.6	1116.1	1391.9	2855.1	8115.0	13746.3	8462.0	2875.7	1480.1	1189.3
72.5°	652.8	658.4	716.6	1022.3	2819.4	8345.7	2939.5	1056.1	731.6	649.0
75°	414.6	410.8	510.2	624.7	999.8	2815.7	1048.6	624.7	508.4	463.3
77.5°	298.3	307.6	365.8	467.1	630.3	954.8	619.0	446.5	365.8	300.1
80°	223.2	228.9	266.4	363.9	442.7	594.6	393.9	330.2	275.8	187.6
82.5°	161.3	161.3	174.5	264.5	270.1	320.8	213.8	232.6	182.0	133.2
85°	95.7	93.8	108.8	157.6	140.7	118.2	97.5	142.6	114.4	82.5
87.5°	33.8	35.6	33.8	45.0	37.5	31.9	30.0	39.4	31.9	28.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4449.5
4475.8
4537.7
4631.5
4744.1
4860.4
4987.9
5162.4
5359.3
5571.3
5809.5
6057.2
6327.3
6644.3
7000.7
7390.9
7790.5
8272.6
8795.9
9347.4
9915.8
10465.4
10870.6
10934.4
10397.9
9056.7
6679.9
3160.8
1174.3
660.3
467.1
305.8
193.2
133.2
80.7
26.3
0.0

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