

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: P954091

Luminaire Tested: **GALN-SB7B-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29175 lumens
Efficiency: N/A
Efficacy: 113.7 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

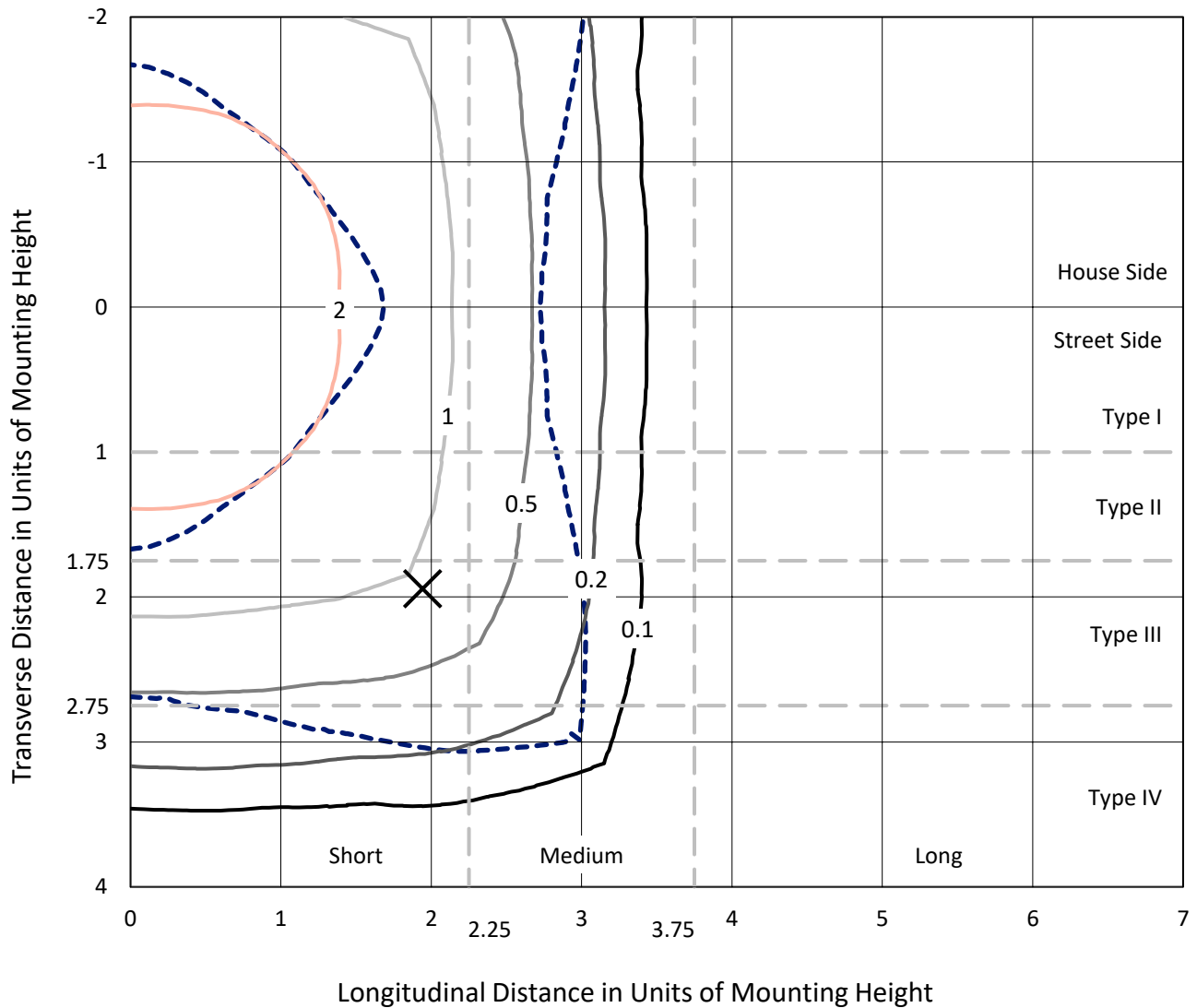
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

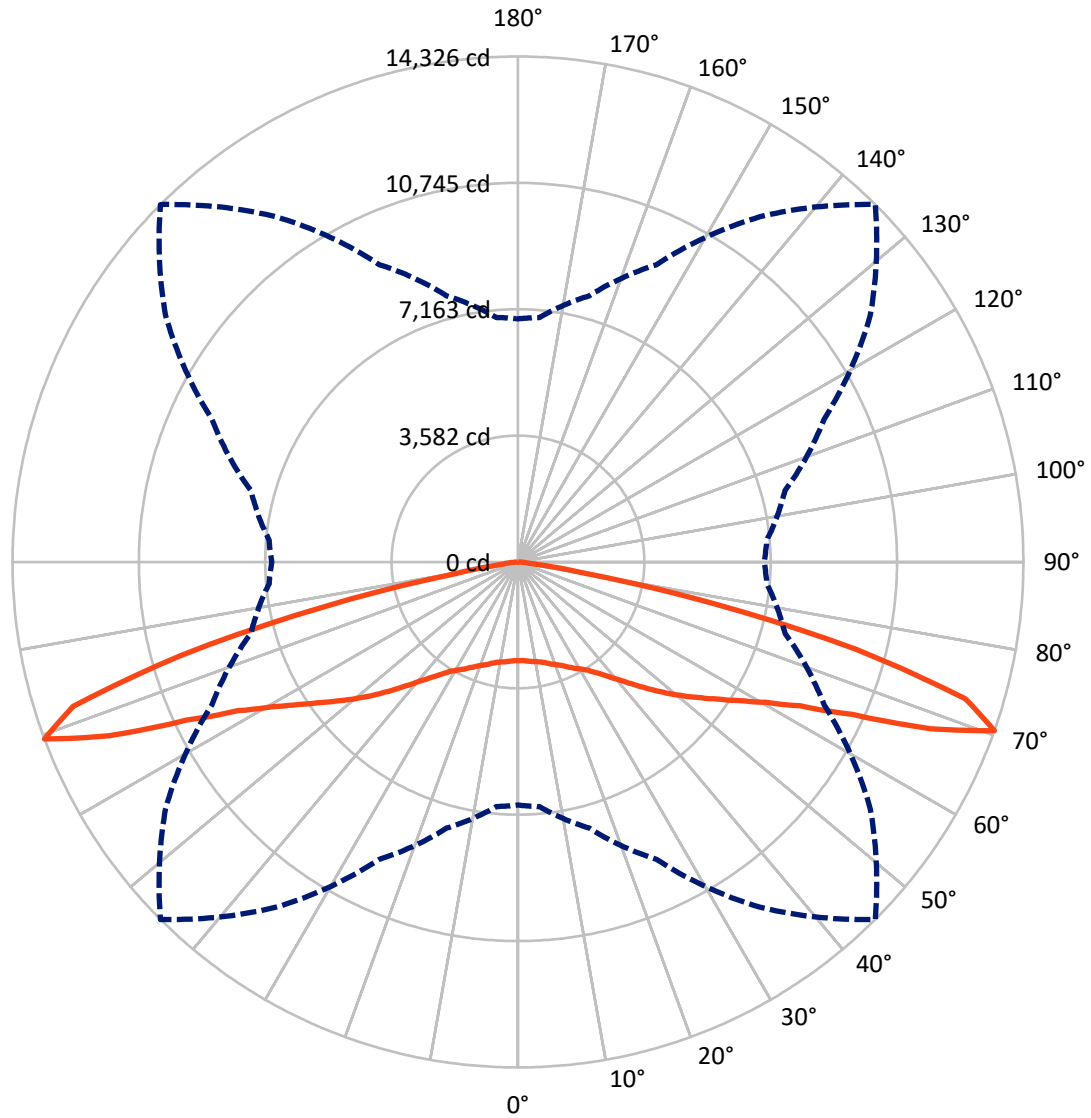
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14587.5	0.0	14587.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14587.5	0.0	14587.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29175.0	0.0	29175.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	0.9
10°-20°	841.9	2.9
20°-30°	1504.6	5.2
30°-40°	2438.9	8.4
40°-50°	3972.5	13.6
50°-60°	6056.8	20.8
60°-70°	9010.6	30.9
70°-80°	4911.1	16.8
80°-90°	167.2	0.6
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°	29175.0	100.0
0°-180°	29175.0	100.0



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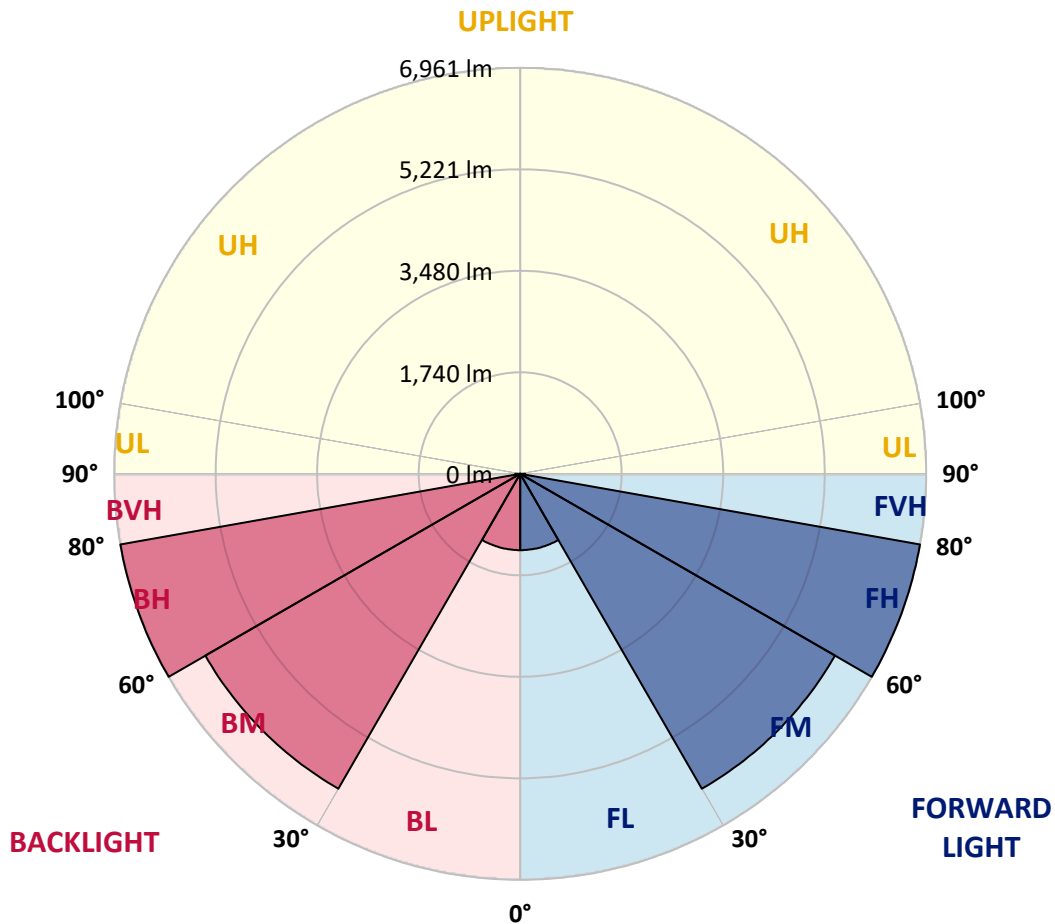
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1309.0	4.5			
FM (30°-60°)	6234.1	21.4			
FH (60°-80°)	6960.8	23.9			G3/7500
FVH (80°-90°)	83.6	0.3			G1/100
BL (0°-30°)	1309.0	4.5	B3/2500		
BM (30°-60°)	6234.1	21.4	B4/8500		
BH (60°-80°)	6960.8	23.9	B5		G3/7500
BVH (80°-90°)	83.6	0.3			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°	2794.7	2794.7	2794.7	2794.7	2794.7	2794.7	2794.7	2794.7	2794.7	2794.7
2.5°	2807.8	2810.8	2804.9	2802.0	2799.1	2794.7	2796.1	2803.5	2809.3	2807.8
5°	2831.3	2834.2	2829.8	2828.4	2822.5	2821.0	2821.0	2828.4	2832.7	2829.8
7.5°	2857.6	2862.0	2854.7	2853.3	2850.3	2847.4	2845.9	2853.3	2857.6	2857.6
10°	2882.5	2886.9	2881.1	2876.7	2873.8	2873.8	2870.8	2876.7	2884.0	2882.5
12.5°	2908.9	2911.8	2906.0	2903.1	2903.1	2907.4	2903.1	2906.0	2911.8	2908.9
15°	2941.1	2942.6	2941.1	2945.5	2952.9	2967.5	2954.3	2951.4	2954.3	2947.0
17.5°	2985.1	2988.0	2993.9	3004.1	3014.4	3040.7	3017.3	3010.0	3010.0	2995.3
20°	3039.3	3043.7	3052.5	3070.0	3083.2	3108.1	3084.7	3074.4	3070.0	3051.0
22.5°	3096.4	3103.7	3116.9	3140.3	3163.8	3187.2	3163.8	3146.2	3133.0	3108.1
25°	3162.3	3171.1	3191.6	3229.7	3261.9	3295.6	3267.8	3232.6	3206.2	3171.1
27.5°	3256.0	3266.3	3291.2	3338.1	3379.1	3408.4	3382.0	3336.6	3300.0	3257.5
30°	3387.9	3398.1	3427.4	3477.2	3505.0	3524.1	3506.5	3471.4	3427.4	3379.1
32.5°	3557.8	3571.0	3603.2	3650.1	3655.9	3658.8	3653.0	3635.4	3603.2	3544.6
35°	3773.1	3787.7	3824.4	3862.4	3856.6	3862.4	3853.6	3847.8	3824.4	3757.0
37.5°	4036.7	4054.3	4092.4	4121.7	4107.0	4099.7	4101.2	4102.6	4089.5	4014.8
40°	4342.9	4366.3	4394.1	4424.9	4400.0	4378.0	4392.7	4404.4	4392.7	4316.5
42.5°	4657.8	4691.5	4720.8	4764.7	4744.2	4716.4	4736.9	4750.0	4725.1	4643.1
45°	5007.8	5040.1	5078.1	5144.1	5129.4	5100.1	5129.4	5132.3	5089.9	4993.2
47.5°	5369.6	5403.3	5460.4	5548.3	5542.5	5510.2	5548.3	5527.8	5473.6	5357.9
50°	5712.4	5759.2	5847.1	5970.2	5981.9	5942.3	5993.6	5954.0	5863.2	5718.2
52.5°	6034.6	6084.4	6223.5	6390.5	6433.0	6381.7	6450.6	6381.7	6245.5	6059.5
55°	6372.9	6428.6	6594.1	6812.4	6897.3	6859.2	6923.7	6819.7	6626.3	6400.8
57.5°	6771.3	6805.0	7002.8	7262.0	7405.6	7414.4	7443.6	7267.9	7033.5	6777.2
60°	7203.4	7250.3	7465.6	7776.1	8003.2	8076.4	8045.6	7784.9	7512.5	7218.1
62.5°	7757.1	7808.4	8066.1	8438.2	8797.0	8978.7	8858.6	8480.7	8143.8	7790.8
65°	8215.5	8272.7	8738.4	9402.0	10055.2	10419.9	10118.2	9422.5	8816.1	8318.1
67.5°	7883.1	7953.4	8684.3	9902.9	11527.3	12615.5	11582.9	10052.3	8864.4	8189.2
70°	6890.0	6955.9	7808.4	9298.0	11941.8	14326.3	12190.8	9571.9	7836.2	7080.4
72.5°	4574.3	4786.7	5649.4	7436.3	10663.1	13257.1	10768.5	7285.5	5240.7	4564.0
75°	1517.4	1687.3	2276.2	3855.1	7141.9	9914.6	6799.2	3411.3	1803.1	1297.7
77.5°	382.3	440.9	607.9	1102.9	2848.9	5645.0	2564.7	900.8	490.7	342.7
80°	186.0	205.1	292.9	367.6	713.3	1794.3	669.4	345.7	231.4	178.7
82.5°	102.5	104.0	165.5	208.0	265.1	464.3	275.4	202.1	133.3	108.4
85°	63.0	61.5	87.9	111.3	111.3	165.5	131.8	111.3	76.2	67.4
87.5°	24.9	24.9	32.2	35.2	30.8	42.5	33.7	36.6	29.3	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2794.7
2809.3
2831.3
2857.6
2882.5
2907.4
2947.0
2995.3
3051.0
3106.6
3169.6
3256.0
3379.1
3546.1
3757.0
4014.8
4316.5
4649.0
5003.4
5350.6
5715.3
6041.9
6370.0
6742.1
7171.2
7729.3
8236.1
8088.1
6979.3
4416.1
1227.4
306.1
164.0
108.4
70.3
29.3
0.0

OF REPORT)