

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: P943290

Luminaire Tested: **GALN-SB7C-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

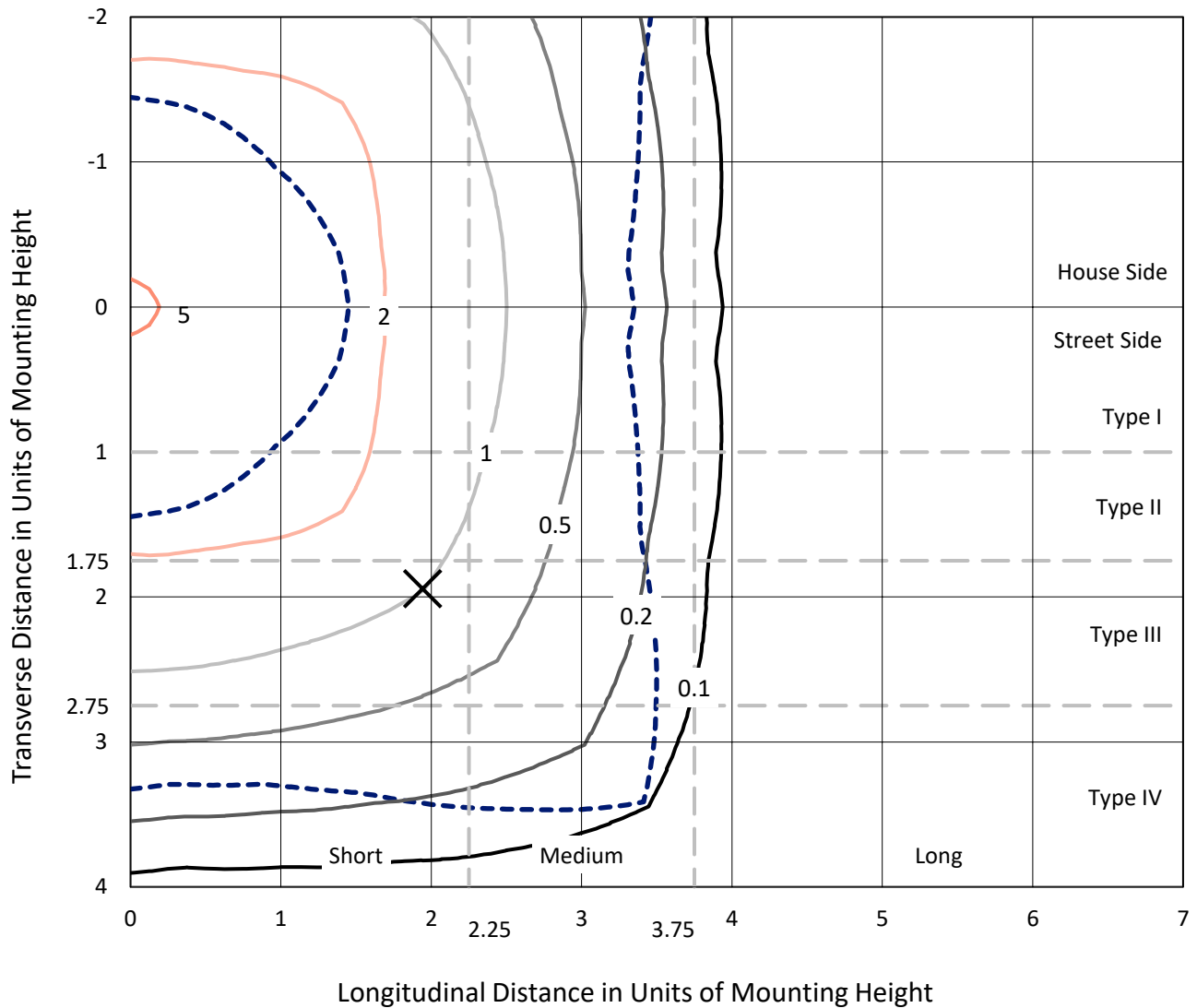
Lumens per Lamp: N/A  
Luminaire Lumens: 37477 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

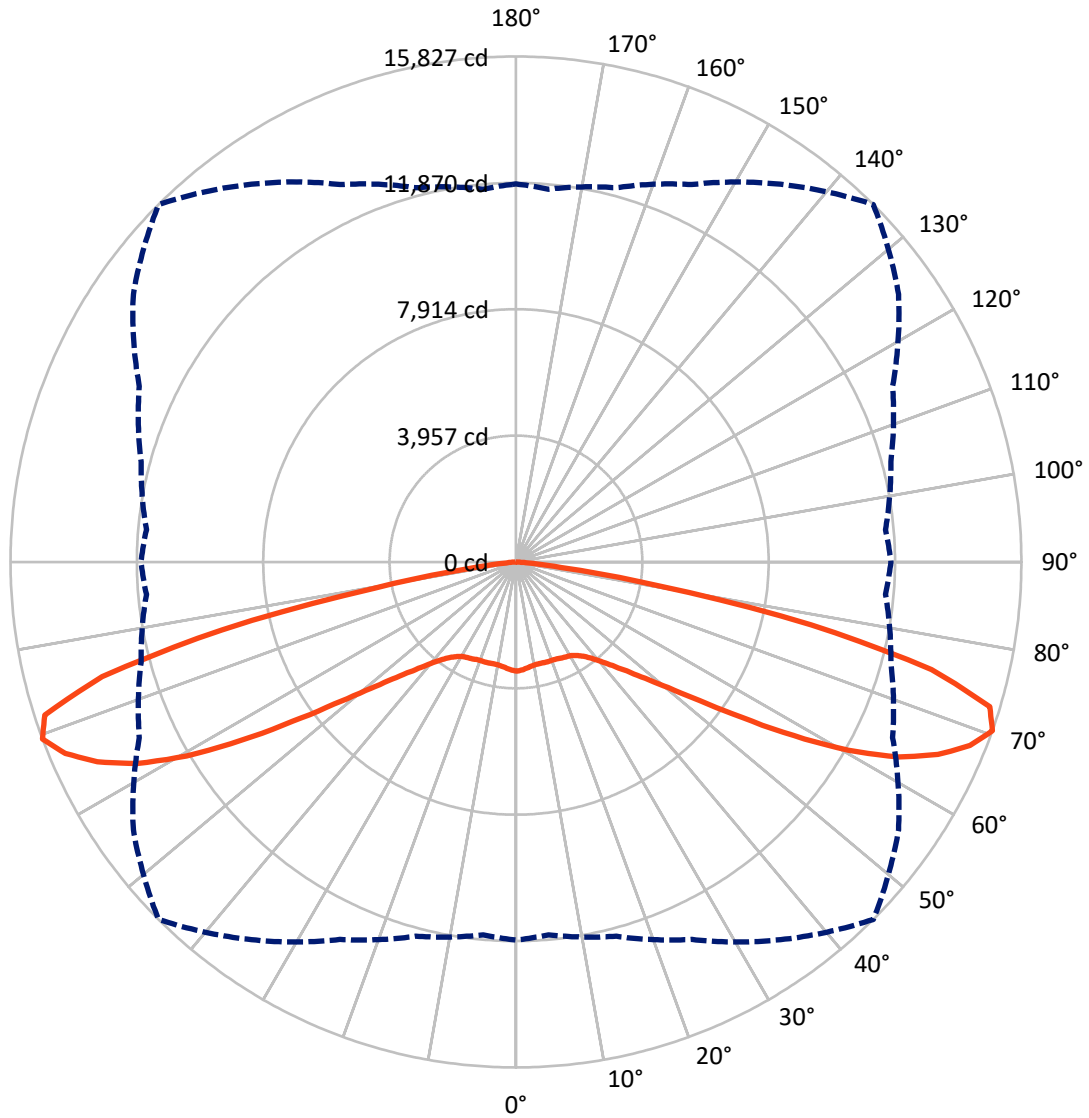
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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
<b>House Side</b>	Lumens	18738.5	0.0	18738.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18738.5	0.0	18738.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37477.0	0.0	37477.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.0	0.8
10°-20°	933.8	2.5
20°-30°	1553.9	4.1
30°-40°	2350.0	6.3
40°-50°	3905.2	10.4
50°-60°	7368.9	19.7
60°-70°	12442.7	33.2
70°-80°	8176.1	21.8
80°-90°	428.3	1.1
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°	37477.0	100.0
0°-180°	37477.0	100.0

**Coefficient of Utilization**



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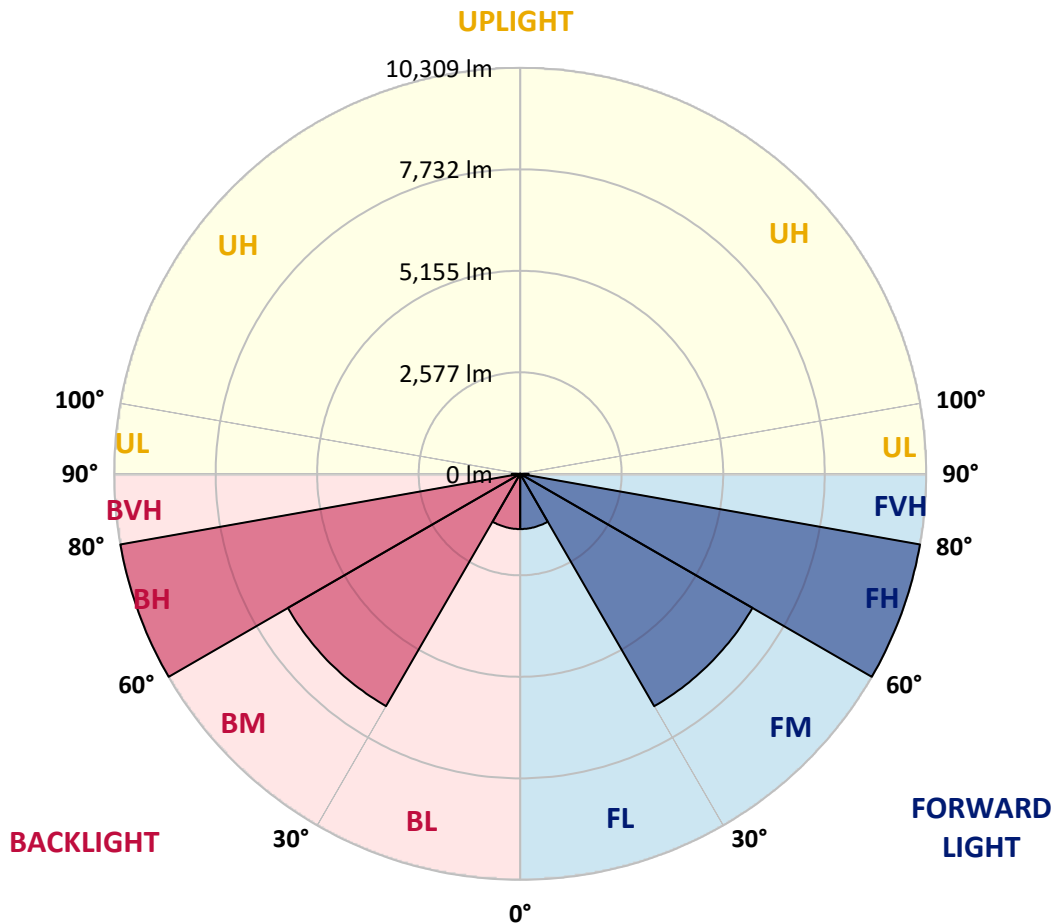
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1402.9	3.7			
FM (30°-60°)	6812.0	18.2			
FH (60°-80°)	10309.4	27.5			G4/12000
FVH (80°-90°)	214.2	0.6			G2/225
BL (0°-30°)	1402.9	3.7	B3/2500		
BM (30°-60°)	6812.0	18.2	B4/8500		
BH (60°-80°)	10309.4	27.5	B5		G4/12000
BVH (80°-90°)	214.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7	3418.7
2.5°	3397.2	3407.0	3403.1	3395.3	3395.3	3389.4	3395.3	3399.2	3405.0	3408.9
5°	3352.4	3360.2	3358.3	3352.4	3354.4	3348.5	3352.4	3358.3	3362.2	3364.1
7.5°	3313.5	3321.3	3317.4	3307.6	3307.6	3301.8	3303.7	3309.6	3315.4	3317.4
10°	3303.7	3311.5	3299.8	3284.2	3278.4	3270.6	3272.6	3278.4	3290.1	3295.9
12.5°	3307.6	3313.5	3301.8	3278.4	3272.6	3264.8	3264.8	3270.6	3286.2	3294.0
15°	3319.3	3325.2	3307.6	3282.3	3276.5	3270.6	3268.7	3276.5	3294.0	3307.6
17.5°	3340.7	3346.6	3319.3	3284.2	3276.5	3278.4	3276.5	3282.3	3309.6	3334.9
20°	3360.2	3364.1	3327.1	3284.2	3276.5	3278.4	3276.5	3288.1	3323.2	3358.3
22.5°	3366.1	3370.0	3334.9	3297.9	3292.0	3294.0	3292.0	3303.7	3336.8	3371.9
25°	3368.0	3373.9	3346.6	3317.4	3327.1	3331.0	3327.1	3329.1	3354.4	3385.5
27.5°	3397.2	3405.0	3379.7	3354.4	3360.2	3358.3	3364.1	3370.0	3389.4	3420.6
30°	3457.6	3463.5	3442.0	3416.7	3412.8	3399.2	3416.7	3436.2	3457.6	3484.9
32.5°	3557.0	3568.6	3541.4	3514.1	3496.6	3488.8	3502.4	3535.5	3564.8	3594.0
35°	3722.5	3730.3	3705.0	3654.4	3623.2	3623.2	3634.9	3677.7	3724.5	3761.5
37.5°	3956.3	3966.0	3921.2	3860.8	3814.1	3814.1	3829.7	3874.5	3944.6	3997.2
40°	4240.7	4254.3	4197.8	4135.5	4090.7	4082.9	4102.4	4153.0	4219.3	4285.5
42.5°	4583.5	4599.1	4525.1	4470.6	4435.5	4435.5	4445.2	4492.0	4552.4	4634.2
45°	5021.8	5049.1	4947.8	4893.3	4860.1	4867.9	4873.8	4914.7	4969.2	5062.7
47.5°	5543.9	5571.1	5464.0	5407.5	5401.7	5438.7	5415.3	5444.5	5473.7	5580.9
50°	6136.1	6182.8	6108.8	6104.9	6116.6	6184.7	6130.2	6145.8	6112.7	6180.9
52.5°	6860.7	6928.9	6915.2	6938.6	7069.1	7209.4	7084.7	7030.2	6905.5	6926.9
55°	7739.2	7842.5	7861.9	8002.2	8298.3	8584.6	8319.7	8099.6	7834.7	7786.0
57.5°	8738.5	8820.3	8913.8	9200.2	9753.4	10261.8	9753.4	9266.4	8849.5	8750.2
60°	9813.8	9915.1	10004.7	10427.4	11249.4	11964.3	11233.8	10460.5	9909.2	9774.8
62.5°	10968.9	11099.4	11161.8	11631.2	12589.6	13442.8	12603.3	11666.3	11054.6	10910.5
65°	12077.3	12184.4	12254.6	12755.2	13670.7	14525.9	13733.1	12809.7	12180.5	11991.6
67.5°	12593.5	12652.0	12823.4	13390.2	14356.4	15332.3	14520.0	13450.6	12747.4	12416.3
70°	11837.7	11718.9	12131.8	13039.6	14438.2	15827.1	14625.2	13012.3	12151.3	11613.7
72.5°	9147.6	8943.1	9659.9	11212.4	13503.2	15511.5	13596.7	11300.1	10106.0	9015.1
75°	4977.0	4745.2	5734.8	7698.3	10768.3	13444.8	11015.7	7918.4	6385.4	4940.0
77.5°	1404.5	1316.8	2115.5	3724.5	6476.9	9439.8	6726.3	3806.3	2509.0	1488.2
80°	430.5	416.9	564.9	1122.0	2750.5	4521.2	2643.4	1135.7	718.8	453.9
82.5°	255.2	233.8	280.5	409.1	701.3	1420.1	681.8	426.6	342.8	229.9
85°	146.1	136.4	165.6	198.7	235.7	301.9	196.7	202.6	183.1	122.7
87.5°	60.4	54.5	64.3	62.3	54.5	70.1	52.6	62.3	74.0	48.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3418.7
3407.0
3364.1
3317.4
3295.9
3295.9
3309.6
3334.9
3360.2
3371.9
3383.6
3412.8
3479.0
3582.3
3747.9
3977.7
4264.1
4628.3
5058.8
5549.7
6139.9
6854.8
7710.0
8680.1
9657.9
10793.6
11898.1
12420.1
11742.3
9285.9
5261.4
1653.8
479.2
249.3
128.6
44.8
0.0

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