

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: P954364

Luminaire Tested: **GALN-SB7C-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954364  
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-SB7C-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

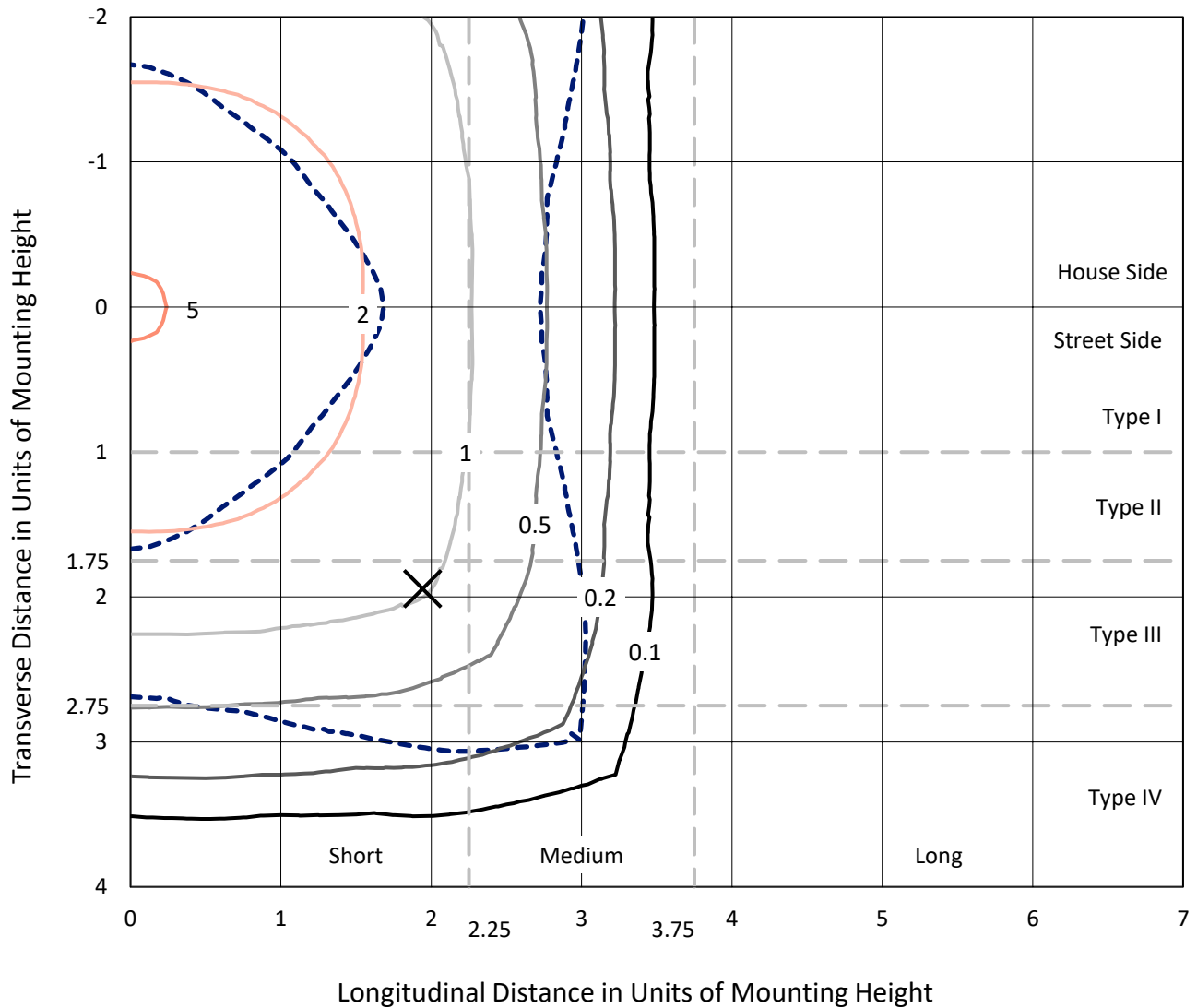
Lumens per Lamp: N/A  
Luminaire Lumens: 33951 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

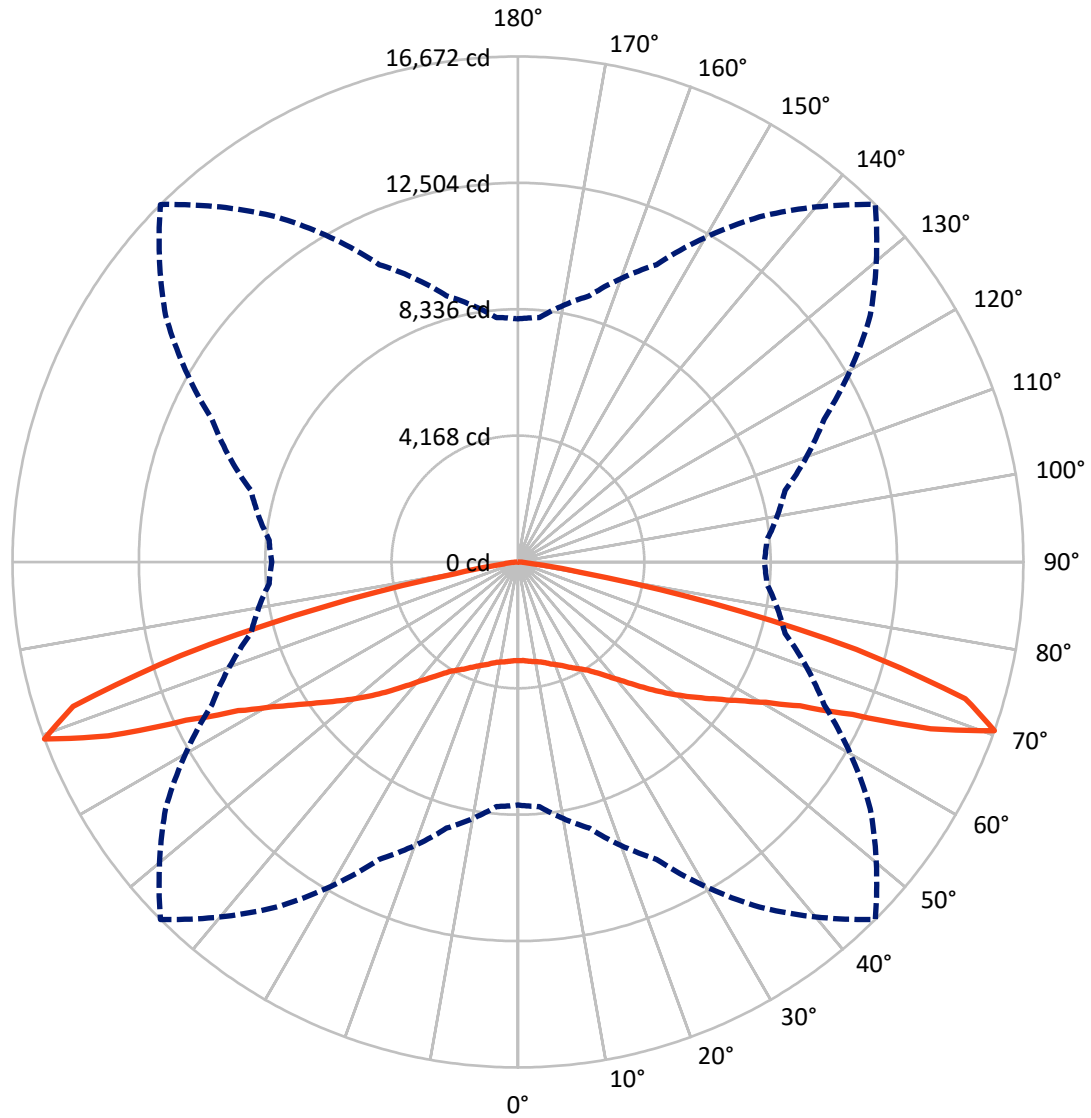
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	16975.5	0.0	16975.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16975.5	0.0	16975.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33951.0	0.0	33951.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.9	0.9
10°-20°	979.7	2.9
20°-30°	1750.9	5.2
30°-40°	2838.1	8.4
40°-50°	4622.8	13.6
50°-60°	7048.3	20.8
60°-70°	10485.6	30.9
70°-80°	5715.0	16.8
80°-90°	194.6	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°	33951.0	100.0
0°-180°	33951.0	100.0



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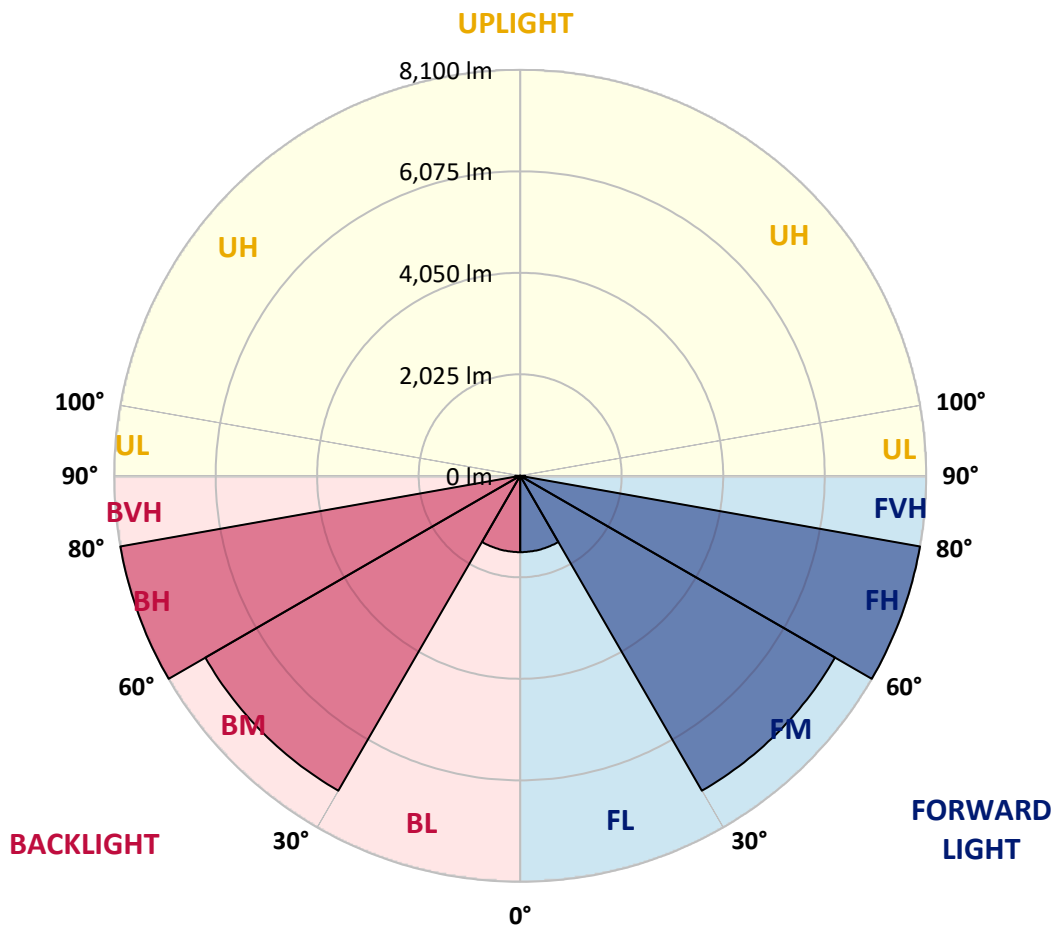
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1523.3	4.5			
FM (30°-60°)	7254.6	21.4			
FH (60°-80°)	8100.3	23.9			G4/12000
FVH (80°-90°)	97.3	0.3			G1/100
BL (0°-30°)	1523.3	4.5	B3/2500		
BM (30°-60°)	7254.6	21.4	B4/8500		
BH (60°-80°)	8100.3	23.9	B5		G4/12000
BVH (80°-90°)	97.3	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-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3252.2	3252.2	3252.2	3252.2	3252.2	3252.2	3252.2	3252.2	3252.2	3252.2
2.5°	3267.5	3270.9	3264.1	3260.7	3257.3	3252.2	3253.9	3262.4	3269.2	3267.5
5°	3294.8	3298.2	3293.1	3291.4	3284.5	3282.8	3282.8	3291.4	3296.5	3293.1
7.5°	3325.4	3330.6	3322.0	3320.3	3316.9	3313.5	3311.8	3320.3	3325.4	3325.4
10°	3354.4	3359.5	3352.7	3347.6	3344.2	3344.2	3340.8	3347.6	3356.1	3354.4
12.5°	3385.1	3388.5	3381.7	3378.3	3378.3	3383.4	3378.3	3381.7	3388.5	3385.1
15°	3422.6	3424.3	3422.6	3427.7	3436.2	3453.3	3437.9	3434.5	3437.9	3429.4
17.5°	3473.7	3477.1	3484.0	3495.9	3507.8	3538.5	3511.2	3502.7	3502.7	3485.7
20°	3536.8	3541.9	3552.1	3572.6	3587.9	3616.9	3589.6	3577.7	3572.6	3550.4
22.5°	3603.3	3611.8	3627.1	3654.4	3681.7	3709.0	3681.7	3661.2	3645.9	3616.9
25°	3680.0	3690.2	3714.1	3758.4	3795.9	3835.1	3802.7	3761.8	3731.1	3690.2
27.5°	3789.1	3801.0	3830.0	3884.5	3932.2	3966.3	3935.7	3882.8	3840.2	3790.8
30°	3942.5	3954.4	3988.5	4046.4	4078.8	4101.0	4080.5	4039.6	3988.5	3932.2
32.5°	4140.2	4155.5	4193.0	4247.6	4254.4	4257.8	4251.0	4230.5	4193.0	4124.8
35°	4390.7	4407.8	4450.4	4494.7	4487.9	4494.7	4484.5	4477.7	4450.4	4372.0
37.5°	4697.6	4718.0	4762.3	4796.4	4779.4	4770.8	4772.6	4774.3	4758.9	4672.0
40°	5053.8	5081.1	5113.5	5149.2	5120.3	5094.7	5111.7	5125.4	5111.7	5023.1
42.5°	5420.3	5459.5	5493.6	5544.7	5520.8	5488.4	5512.3	5527.6	5498.7	5403.2
45°	5827.6	5865.1	5909.4	5986.1	5969.1	5935.0	5969.1	5972.5	5923.1	5810.6
47.5°	6248.6	6287.8	6354.3	6456.6	6449.8	6412.3	6456.6	6432.7	6369.7	6235.0
50°	6647.5	6702.0	6804.3	6947.5	6961.1	6915.1	6974.7	6928.7	6823.0	6654.3
52.5°	7022.5	7080.4	7242.4	7436.7	7486.1	7426.4	7506.5	7426.4	7267.9	7051.4
55°	7416.2	7481.0	7673.6	7927.6	8026.4	7982.1	8057.1	7936.1	7711.1	7448.6
57.5°	7879.8	7919.0	8149.1	8450.8	8617.9	8628.1	8662.2	8457.6	8184.9	7886.6
60°	8382.6	8437.2	8687.8	9049.1	9313.3	9398.5	9362.7	9059.3	8742.3	8399.7
62.5°	9026.9	9086.6	9386.6	9819.5	10237.1	10448.5	10308.7	9869.0	9476.9	9066.1
65°	9560.4	9626.9	10168.9	10941.1	11701.3	12125.7	11774.6	10964.9	10259.3	9679.8
67.5°	9173.5	9255.3	10105.9	11524.0	13414.3	14680.7	13479.1	11697.9	10315.5	9529.8
70°	8017.9	8094.6	9086.6	10820.1	13896.7	16671.6	14186.4	11138.8	9119.0	8239.5
72.5°	5323.1	5570.3	6574.2	8653.7	12408.6	15427.3	12531.4	8478.1	6098.6	5311.2
75°	1765.8	1963.6	2648.8	4486.2	8311.1	11537.6	7912.2	3969.7	2098.2	1510.2
77.5°	444.9	513.0	707.4	1283.5	3315.2	6569.1	2984.6	1048.3	571.0	398.8
80°	216.5	238.6	340.9	427.8	830.1	2088.0	778.9	402.3	269.3	207.9
82.5°	119.3	121.0	192.6	242.0	308.5	540.3	320.4	235.2	155.1	126.1
85°	73.3	71.6	102.3	129.5	129.5	192.6	153.4	129.5	88.6	78.4
87.5°	29.0	29.0	37.5	40.9	35.8	49.4	39.2	42.6	34.1	32.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3252.2
3269.2
3294.8
3325.4
3354.4
3383.4
3429.4
3485.7
3550.4
3615.2
3688.5
3789.1
3932.2
4126.6
4372.0
4672.0
5023.1
5410.0
5822.5
6226.5
6650.9
7031.0
7412.8
7845.7
8345.2
8994.6
9584.3
9412.2
8121.9
5139.0
1428.4
356.2
190.9
126.1
81.8
34.1
0.0

OF REPORT)