

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: P948908

Luminaire Tested: **GALN-SB3D-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948908  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

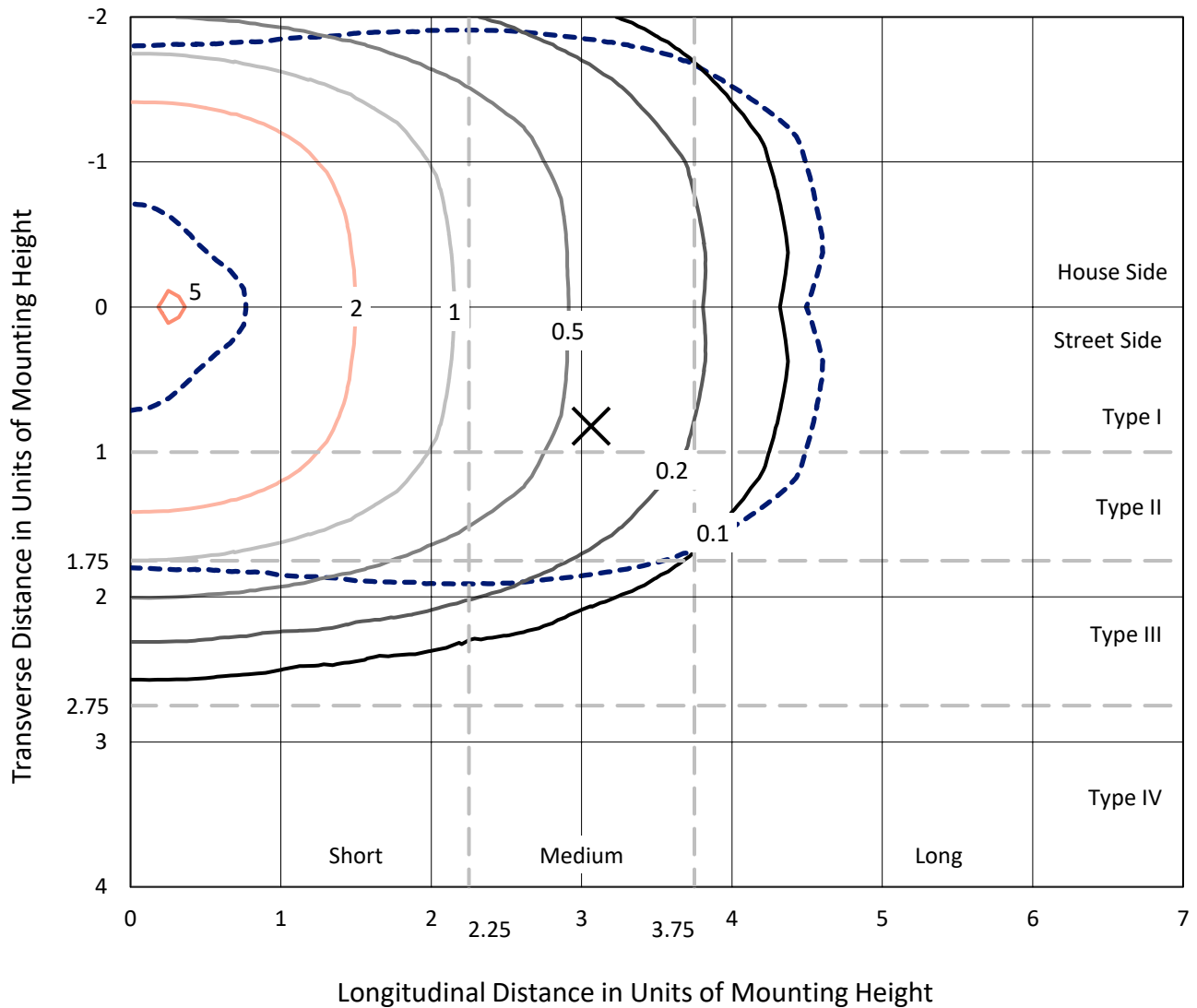
Lumens per Lamp: N/A  
Luminaire Lumens: 27339 lumens  
Efficiency: N/A  
Efficacy: 125.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

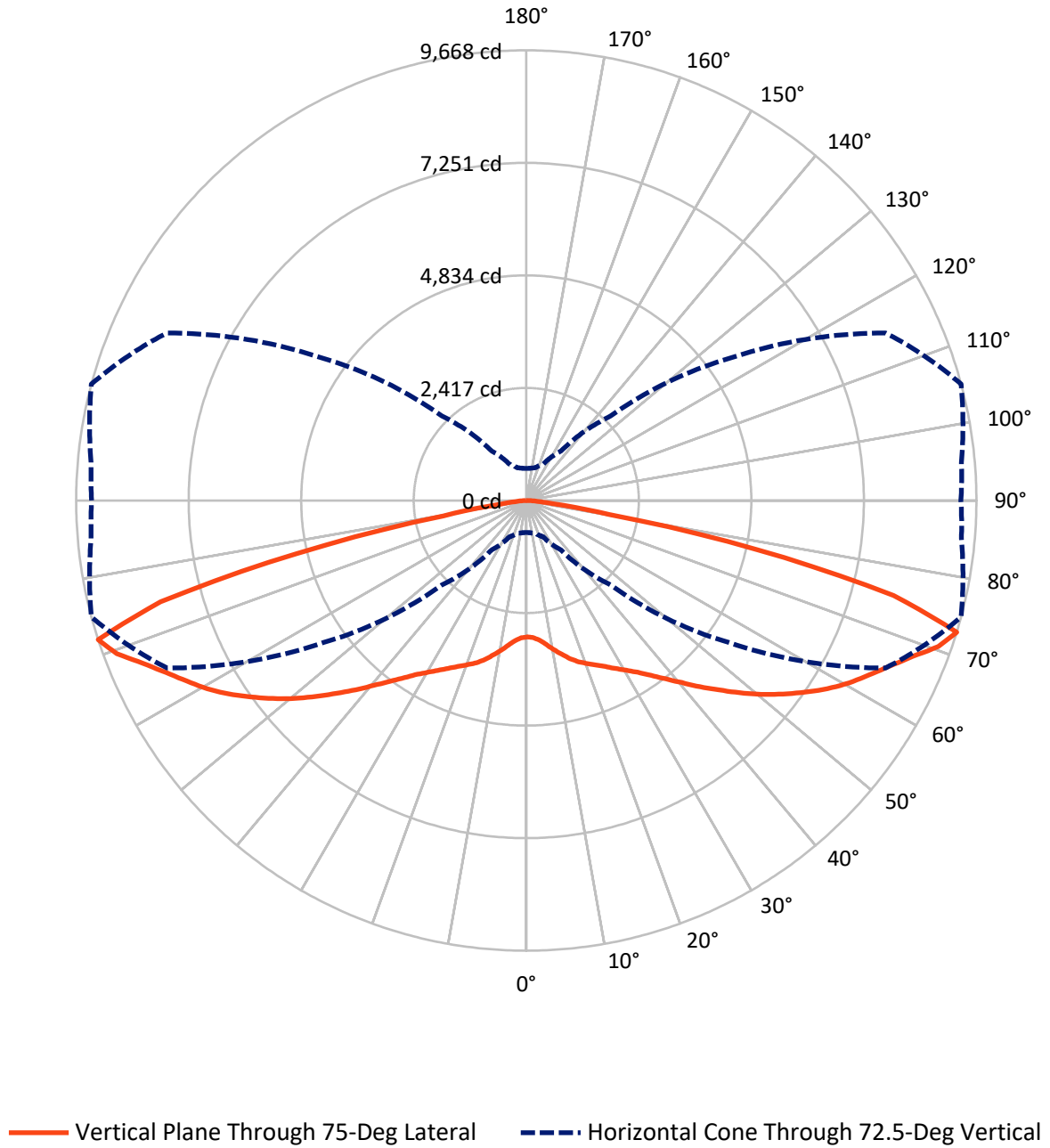
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13669.5	0.0	13669.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13669.5	0.0	13669.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27339.0	0.0	27339.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.9	1.0
10°-20°	946.2	3.5
20°-30°	1828.3	6.7
30°-40°	3087.1	11.3
40°-50°	4895.8	17.9
50°-60°	6554.9	24.0
60°-70°	6238.2	22.8
70°-80°	3255.2	11.9
80°-90°	246.4	0.9
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°	27339.0	100.0
0°-180°	27339.0	100.0

**Coefficient of Utilization**



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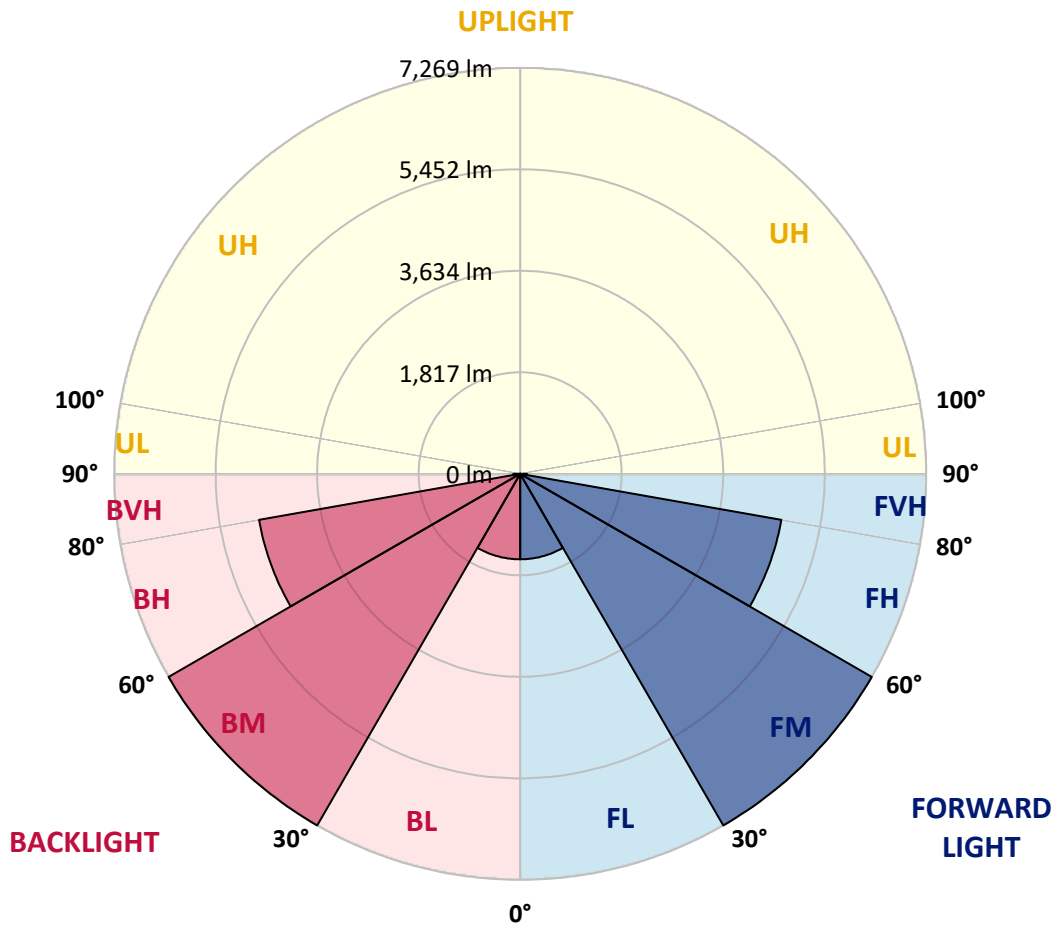
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1530.6	5.6			
FM (30°-60°)	7268.9	26.6			
FH (60°-80°)	4746.7	17.4			G2/5000
FVH (80°-90°)	123.2	0.5			G2/225
BL (0°-30°)	1530.6	5.6	B3/2500		
BM (30°-60°)	7268.9	26.6	B4/8500		
BH (60°-80°)	4746.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	123.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2928.5	2928.5	2928.5	2928.5	2928.5	2928.5	2928.5	2928.5	2928.5	2928.5
2.5°	2928.5	2925.7	2928.5	2931.3	2929.9	2929.9	2936.9	2941.1	2949.4	2948.0
5°	2909.0	2907.6	2918.7	2931.3	2941.1	2957.8	2978.7	2994.1	3013.6	3017.8
7.5°	2899.2	2895.0	2914.5	2936.9	2967.6	3009.5	3049.9	3091.8	3125.3	3136.5
10°	2906.2	2907.6	2934.1	2976.0	3024.8	3083.4	3140.7	3211.9	3259.3	3270.5
12.5°	2938.3	2935.5	2980.1	3047.1	3114.1	3188.1	3255.1	3333.3	3384.9	3411.5
15°	2996.9	2991.3	3054.1	3153.2	3250.9	3337.5	3391.9	3465.9	3525.9	3559.4
17.5°	3066.7	3069.5	3151.8	3280.3	3408.7	3506.4	3558.0	3595.7	3641.8	3671.1
20°	3189.5	3195.1	3287.2	3439.4	3585.9	3697.6	3739.5	3725.5	3738.1	3760.4
22.5°	3354.2	3357.0	3460.3	3625.0	3778.6	3901.4	3929.3	3872.1	3837.2	3852.5
25°	3545.5	3563.6	3666.9	3835.8	3993.5	4110.8	4123.3	4036.8	3950.3	3954.4
27.5°	3778.6	3795.3	3900.0	4067.5	4228.0	4329.9	4328.5	4212.7	4085.7	4053.6
30°	4031.2	4049.4	4156.8	4329.9	4479.3	4568.6	4549.1	4410.9	4229.4	4169.4
32.5°	4331.3	4342.5	4451.4	4624.5	4762.6	4833.8	4793.4	4623.1	4396.9	4328.5
35°	4694.2	4711.0	4792.0	4955.3	5076.7	5135.3	5066.9	4865.9	4611.9	4535.1
37.5°	5108.8	5097.6	5189.8	5334.9	5435.4	5471.7	5378.2	5139.5	4857.6	4766.8
40°	5541.5	5535.9	5636.4	5776.0	5830.5	5852.8	5714.6	5453.6	5140.9	5043.2
42.5°	5933.8	5929.6	6065.0	6219.9	6285.5	6260.4	6085.9	5787.2	5468.9	5357.3
45°	6247.8	6242.2	6408.4	6626.1	6754.5	6712.6	6478.1	6155.7	5801.2	5685.3
47.5°	6489.3	6492.1	6670.8	6940.2	7164.9	7180.3	6878.8	6531.2	6166.9	6035.7
50°	6663.8	6672.2	6863.4	7162.1	7469.2	7604.6	7287.7	6916.4	6545.1	6397.2
52.5°	6707.1	6722.4	6952.7	7303.1	7664.6	7922.9	7703.7	7286.3	6903.9	6762.9
55°	6476.8	6507.5	6799.2	7291.9	7784.7	8132.2	8069.4	7661.8	7265.4	7120.2
57.5°	5947.7	5991.0	6331.6	6975.1	7758.1	8276.0	8352.8	8022.0	7626.9	7487.3
60°	5206.5	5258.2	5584.8	6286.9	7384.1	8329.0	8552.4	8372.3	7959.1	7823.7
62.5°	4088.4	4155.4	4546.3	5369.8	6594.0	8082.0	8722.7	8689.2	8257.9	8089.0
65°	2622.8	2694.0	3105.8	4078.7	5540.1	7325.4	8775.7	8997.7	8573.3	8337.4
67.5°	1581.5	1613.6	1817.4	2472.1	4049.4	6185.0	8326.3	9339.6	8941.8	8648.7
70°	1012.0	1030.1	1151.6	1451.7	2289.2	4512.8	7212.4	9403.9	9388.5	8968.3
72.5°	686.8	692.3	724.4	859.8	1295.4	2564.2	5319.6	8513.3	9667.7	9380.1
75°	502.5	533.2	584.9	608.6	735.6	1281.4	3048.5	5981.2	8147.6	8273.2
77.5°	374.1	375.5	446.7	474.6	524.8	682.6	1289.8	3338.9	5058.6	5311.2
80°	316.9	300.1	298.7	382.5	395.0	425.7	576.5	1153.0	1811.8	1098.5
82.5°	263.8	245.7	221.9	298.7	269.4	261.0	249.9	469.0	576.5	283.4
85°	184.3	175.9	167.5	195.4	153.5	131.2	120.0	219.1	242.9	120.0
87.5°	79.6	82.4	83.8	86.5	64.2	46.1	46.1	61.4	61.4	47.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2928.5
2946.6
3017.8
3139.3
3281.6
3422.6
3572.0
3685.0
3777.2
3863.7
3961.4
4063.3
4176.4
4345.3
4546.3
4783.6
5075.3
5385.2
5711.8
6074.7
6441.9
6799.2
7160.7
7519.5
7853.1
8108.5
8366.7
8671.0
8965.6
9335.5
7968.9
4737.5
830.5
241.5
106.1
34.9
0.0

OF REPORT)