

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: P953923

Luminaire Tested: **GALN-SB7B-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953923  
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-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

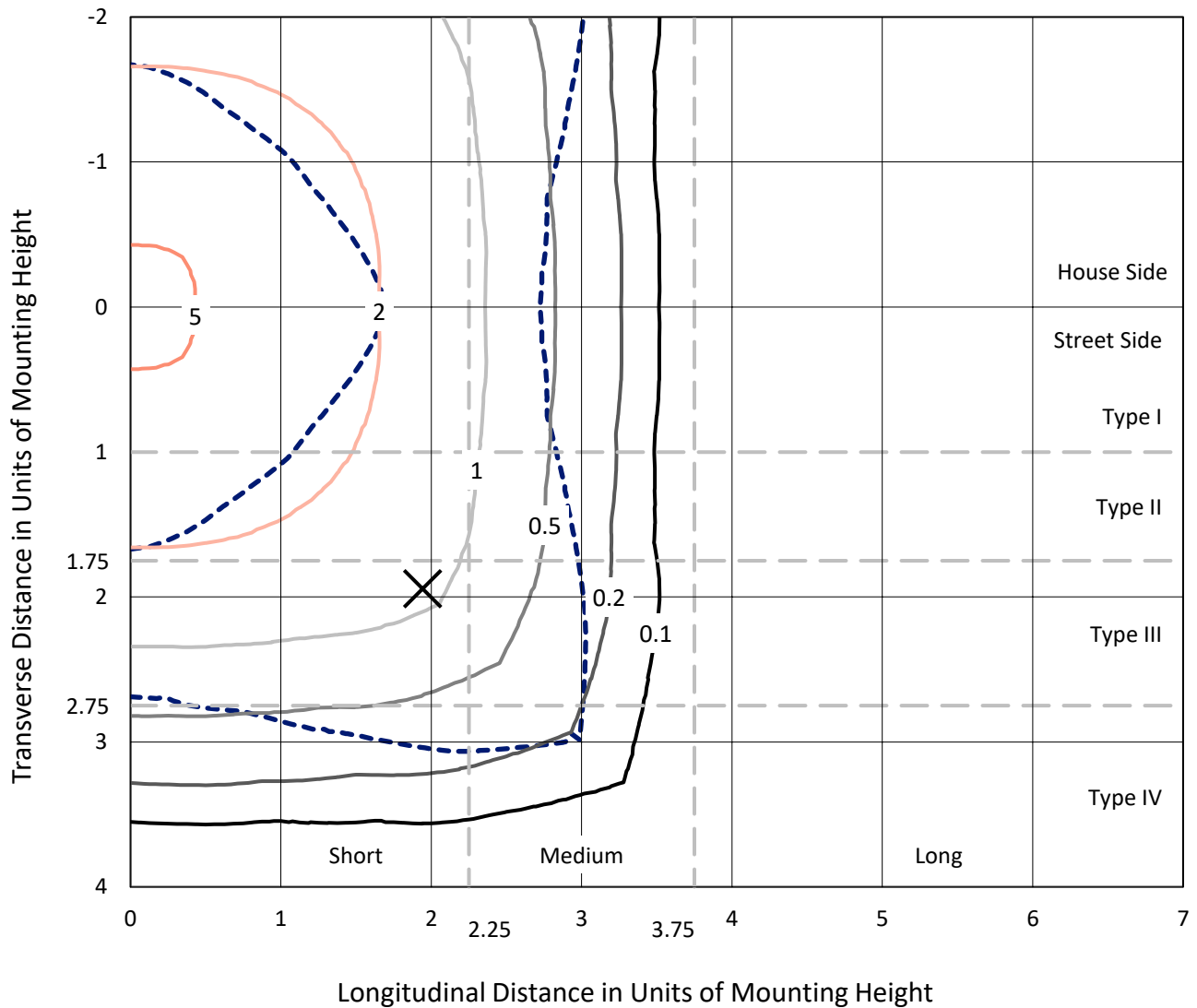
Lumens per Lamp: N/A  
Luminaire Lumens: 37684 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

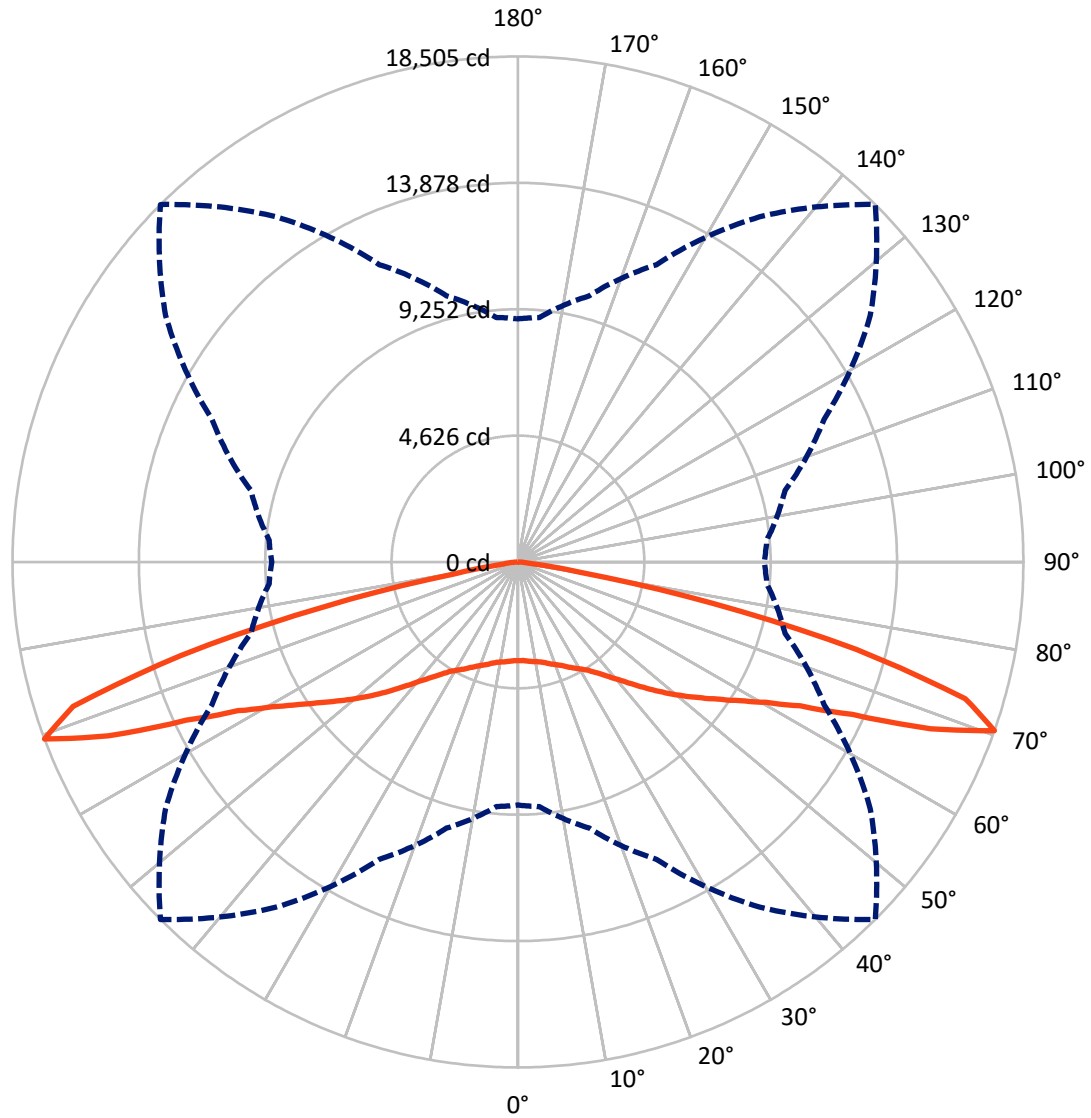
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	18842.0	0.0	18842.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18842.0	0.0	18842.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37684.0	0.0	37684.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.7	0.9
10°-20°	1087.4	2.9
20°-30°	1943.4	5.2
30°-40°	3150.2	8.4
40°-50°	5131.1	13.6
50°-60°	7823.3	20.8
60°-70°	11638.5	30.9
70°-80°	6343.4	16.8
80°-90°	216.0	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°	37684.0	100.0
0°-180°	37684.0	100.0

**Coefficient of Utilization**



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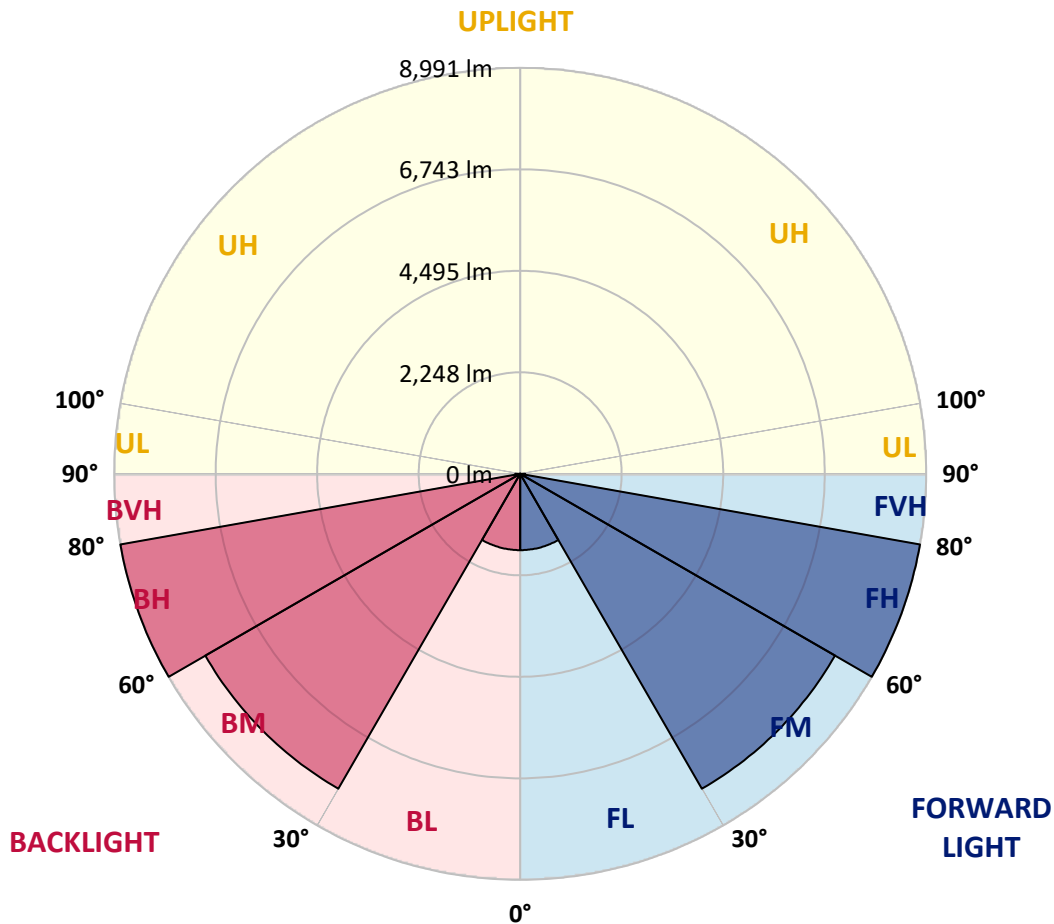
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1690.7	4.5			
FM (30°-60°)	8052.3	21.4			
FH (60°-80°)	8990.9	23.9			G4/12000
FVH (80°-90°)	108.0	0.3			G2/225
BL (0°-30°)	1690.7	4.5	B3/2500		
BM (30°-60°)	8052.3	21.4	B4/8500		
BH (60°-80°)	8990.9	23.9	B5		G4/12000
BVH (80°-90°)	108.0	0.3			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°	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7	3609.7
2.5°	3626.8	3630.5	3623.0	3619.2	3615.4	3609.7	3611.6	3621.1	3628.7	3626.8
5°	3657.0	3660.8	3655.1	3653.3	3645.7	3643.8	3643.8	3653.3	3658.9	3655.1
7.5°	3691.1	3696.8	3687.3	3685.4	3681.6	3677.8	3676.0	3685.4	3691.1	3691.1
10°	3723.3	3728.9	3721.4	3715.7	3711.9	3711.9	3708.1	3715.7	3725.1	3723.3
12.5°	3757.3	3761.1	3753.5	3749.7	3749.7	3755.4	3749.7	3753.5	3761.1	3757.3
15°	3798.9	3800.8	3798.9	3804.6	3814.1	3833.0	3816.0	3812.2	3816.0	3806.5
17.5°	3855.7	3859.5	3867.0	3880.3	3893.5	3927.6	3897.3	3887.8	3887.8	3868.9
20°	3925.7	3931.4	3942.7	3965.4	3982.4	4014.6	3984.3	3971.1	3965.4	3940.8
22.5°	3999.5	4008.9	4026.0	4056.2	4086.5	4116.8	4086.5	4063.8	4046.8	4014.6
25°	4084.6	4096.0	4122.4	4171.6	4213.3	4256.8	4220.8	4175.4	4141.4	4096.0
27.5°	4205.7	4218.9	4251.1	4311.6	4364.6	4402.4	4368.4	4309.7	4262.4	4207.6
30°	4376.0	4389.2	4427.0	4491.4	4527.3	4551.9	4529.2	4483.8	4427.0	4364.6
32.5°	4595.4	4612.4	4654.1	4714.6	4722.2	4726.0	4718.4	4695.7	4654.1	4578.4
35°	4873.5	4892.4	4939.7	4988.9	4981.4	4988.9	4977.6	4970.0	4939.7	4852.7
37.5°	5214.1	5236.8	5286.0	5323.8	5304.9	5295.4	5297.3	5299.2	5282.2	5185.7
40°	5609.5	5639.7	5675.7	5715.4	5683.3	5654.9	5673.8	5688.9	5673.8	5575.4
42.5°	6016.2	6059.7	6097.6	6154.3	6127.9	6091.9	6118.4	6135.4	6103.3	5997.3
45°	6468.4	6510.0	6559.2	6644.3	6625.4	6587.6	6625.4	6629.2	6574.3	6449.5
47.5°	6935.7	6979.2	7053.0	7166.5	7158.9	7117.3	7166.5	7140.0	7070.0	6920.6
50°	7378.4	7438.9	7552.4	7711.4	7726.5	7675.4	7741.6	7690.6	7573.3	7386.0
52.5°	7794.6	7858.9	8038.7	8254.3	8309.2	8243.0	8331.9	8243.0	8067.0	7826.8
55°	8231.6	8303.5	8517.3	8799.2	8908.9	8859.7	8943.0	8808.7	8558.9	8267.6
57.5°	8746.2	8789.7	9045.2	9380.0	9565.4	9576.8	9614.6	9387.6	9084.9	8753.8
60°	9304.3	9364.9	9643.0	10044.1	10337.3	10431.9	10392.2	10055.4	9703.5	9323.3
62.5°	10019.5	10085.7	10418.7	10899.2	11362.7	11597.3	11442.2	10954.1	10518.9	10063.0
65°	10611.6	10685.4	11287.1	12144.1	12987.9	13458.9	13069.2	12170.6	11387.3	10744.1
67.5°	10182.2	10273.0	11217.1	12791.1	14889.2	16294.9	14961.1	12984.1	11449.8	10577.6
70°	8899.5	8984.6	10085.7	12009.8	15424.6	18504.6	15746.2	12363.5	10121.6	9145.4
72.5°	5908.4	6182.7	7297.0	9605.2	13773.0	17123.5	13909.2	9410.3	6769.2	5895.1
75°	1960.0	2179.5	2940.0	4979.5	9224.9	12806.2	8782.2	4406.2	2328.9	1676.2
77.5°	493.8	569.5	785.1	1424.6	3679.7	7291.4	3312.7	1163.5	633.8	442.7
80°	240.3	264.9	378.4	474.9	921.4	2317.6	864.6	446.5	298.9	230.8
82.5°	132.4	134.3	213.8	268.6	342.4	599.7	355.7	261.1	172.2	140.0
85°	81.4	79.5	113.5	143.8	143.8	213.8	170.3	143.8	98.4	87.0
87.5°	32.2	32.2	41.6	45.4	39.7	54.9	43.5	47.3	37.8	35.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3609.7
3628.7
3657.0
3691.1
3723.3
3755.4
3806.5
3868.9
3940.8
4012.7
4094.1
4205.7
4364.6
4580.3
4852.7
5185.7
5575.4
6004.9
6462.7
6911.1
7382.2
7804.1
8227.9
8708.4
9262.7
9983.5
10638.1
10447.0
9014.9
5704.1
1585.4
395.4
211.9
140.0
90.8
37.8
0.0

OF REPORT)