

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: P943210

Luminaire Tested: **GALN-SB7C-830-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943210  
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-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

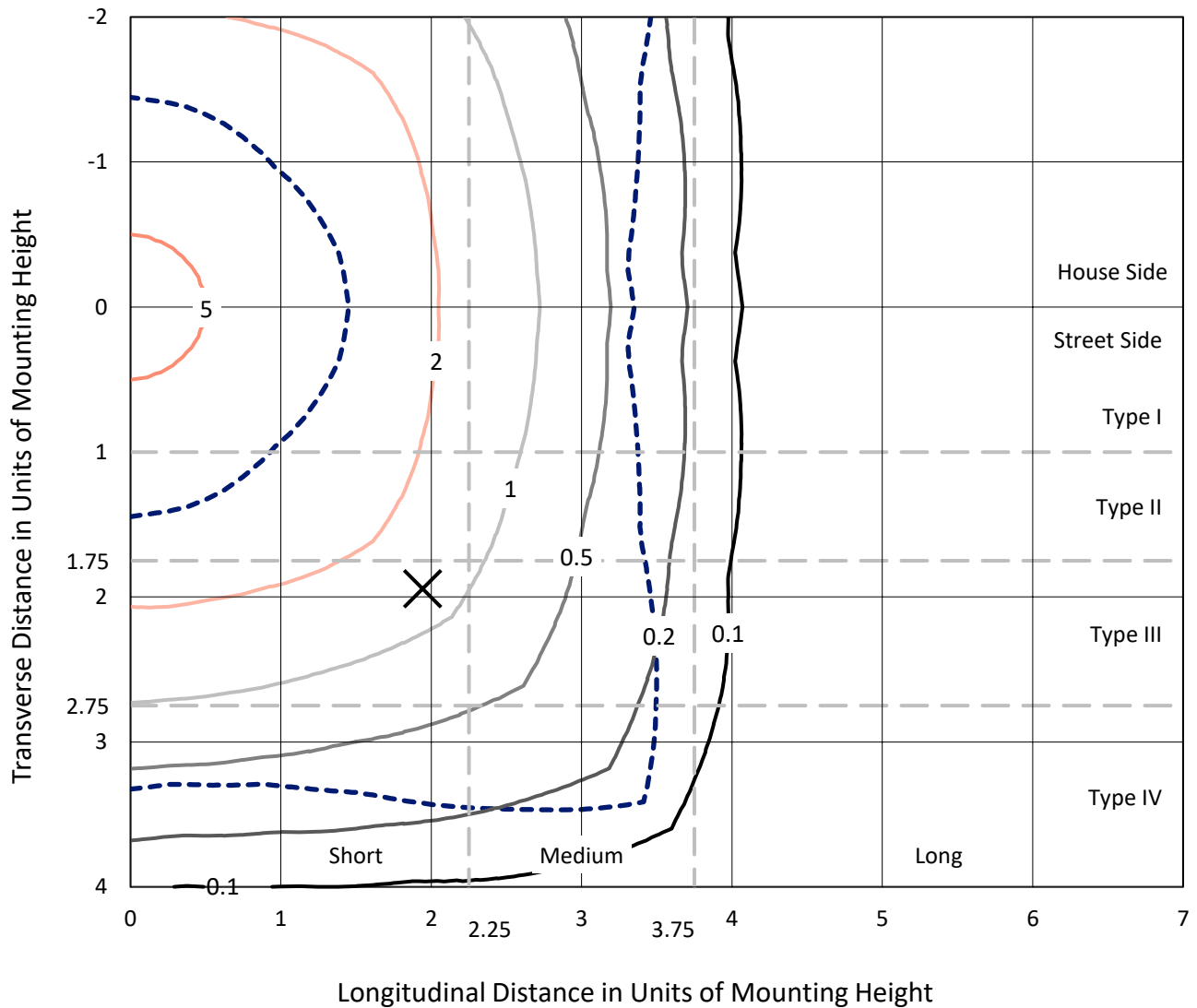
Lumens per Lamp: N/A  
Luminaire Lumens: 48408 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

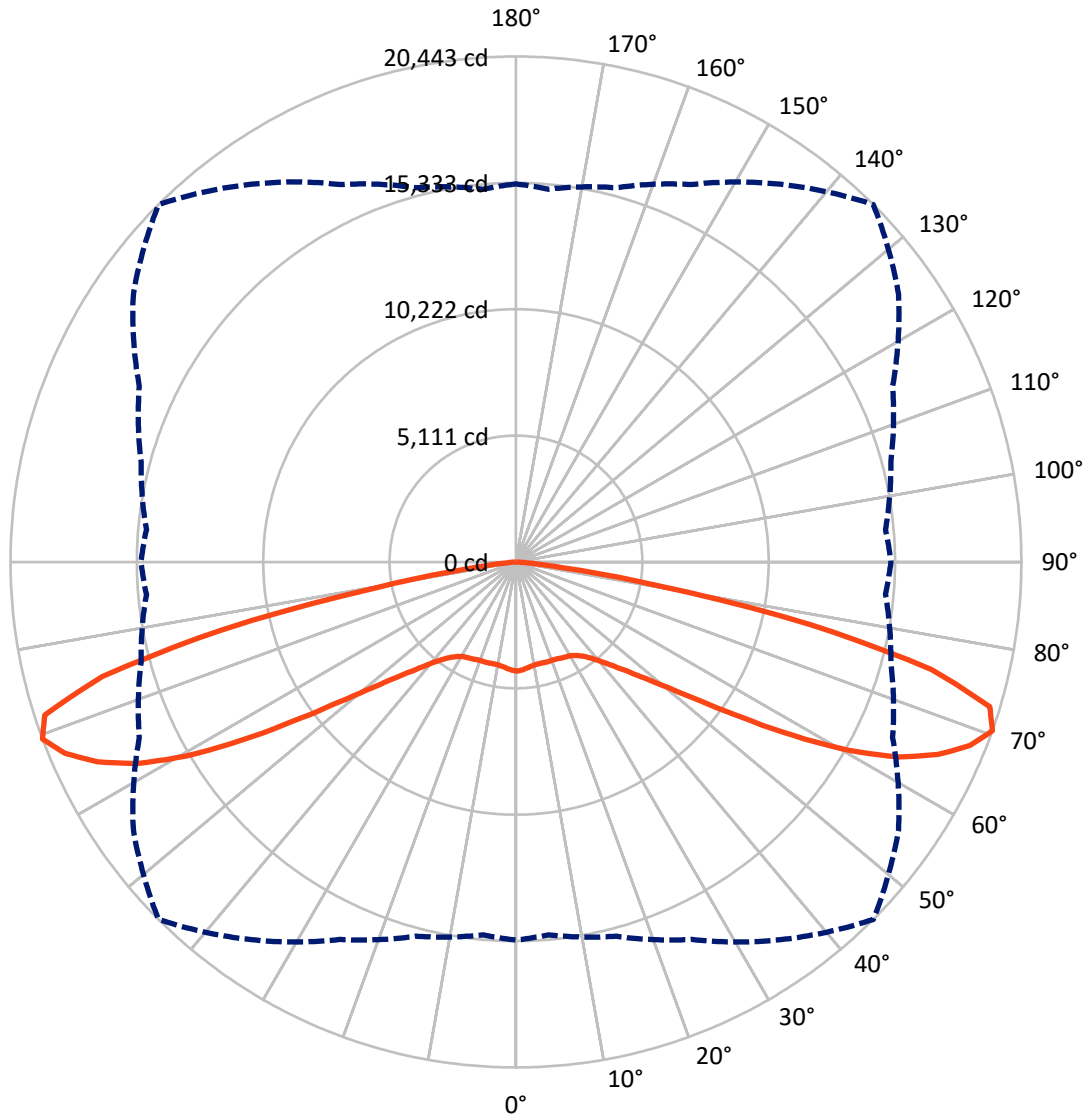
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	24204.0	0.0	24204.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24204.0	0.0	24204.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48408.0	0.0	48408.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.8	0.8
10°-20°	1206.1	2.5
20°-30°	2007.2	4.1
30°-40°	3035.5	6.3
40°-50°	5044.2	10.4
50°-60°	9518.2	19.7
60°-70°	16071.9	33.2
70°-80°	10560.9	21.8
80°-90°	553.3	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°	48408.0	100.0
0°-180°	48408.0	100.0



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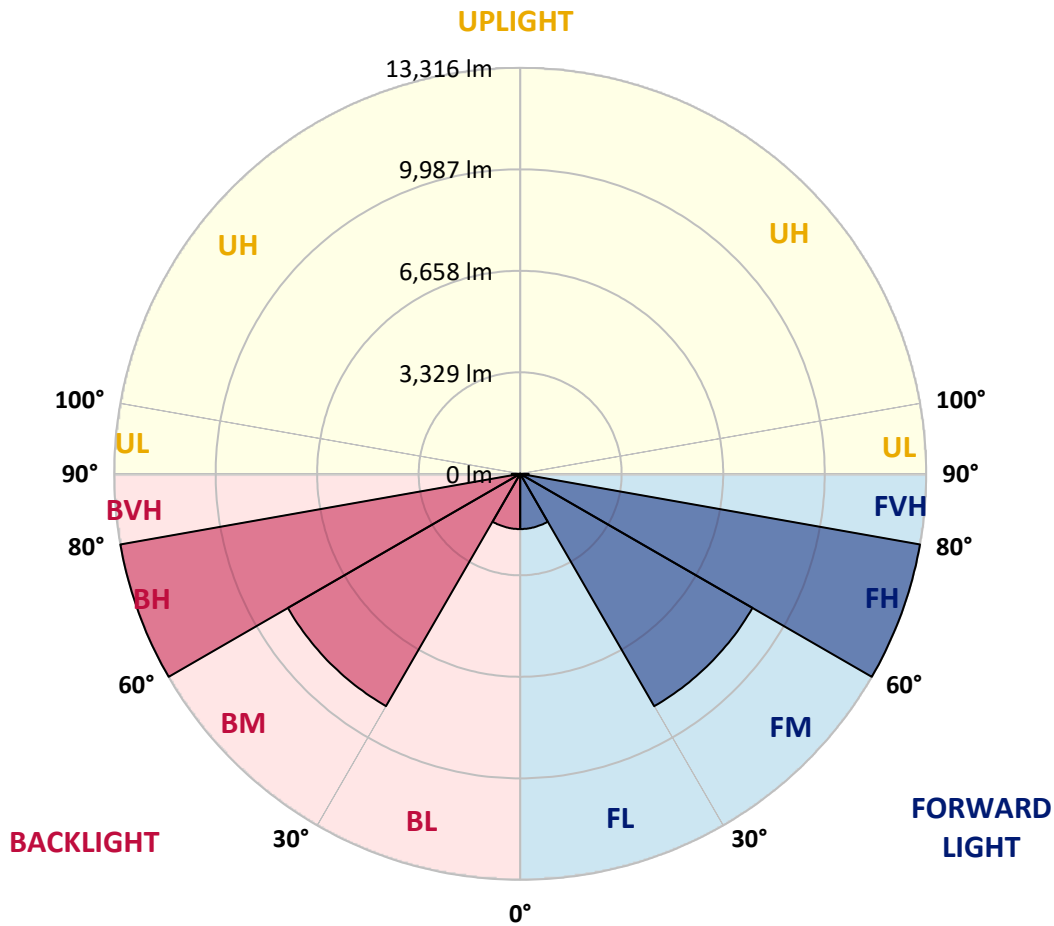
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1812.0	3.7			
FM (30°-60°)	8798.9	18.2			
FH (60°-80°)	13316.4	27.5			G5
FVH (80°-90°)	276.6	0.6			G3/500
BL (0°-30°)	1812.0	3.7	B3/2500		
BM (30°-60°)	8798.9	18.2	B5		
BH (60°-80°)	13316.4	27.5	B5		G5
BVH (80°-90°)	276.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4415.8	4415.8	4415.8	4415.8	4415.8	4415.8	4415.8	4415.8	4415.8	4415.8
2.5°	4388.1	4400.7	4395.7	4385.6	4385.6	4378.0	4385.6	4390.6	4398.2	4403.2
5°	4330.2	4340.3	4337.8	4330.2	4332.8	4325.2	4330.2	4337.8	4342.8	4345.3
7.5°	4279.9	4290.0	4284.9	4272.4	4272.4	4264.8	4267.3	4274.9	4282.4	4284.9
10°	4267.3	4277.4	4262.3	4242.2	4234.6	4224.6	4227.1	4234.6	4249.7	4257.3
12.5°	4272.4	4279.9	4264.8	4234.6	4227.1	4217.0	4217.0	4224.6	4244.7	4254.8
15°	4287.5	4295.0	4272.4	4239.7	4232.1	4224.6	4222.0	4232.1	4254.8	4272.4
17.5°	4315.1	4322.7	4287.5	4242.2	4232.1	4234.6	4232.1	4239.7	4274.9	4307.6
20°	4340.3	4345.3	4297.5	4242.2	4232.1	4234.6	4232.1	4247.2	4292.5	4337.8
22.5°	4347.8	4352.9	4307.6	4259.8	4252.2	4254.8	4252.2	4267.3	4310.1	4355.4
25°	4350.4	4357.9	4322.7	4284.9	4297.5	4302.6	4297.5	4300.0	4332.8	4373.0
27.5°	4388.1	4398.2	4365.5	4332.8	4340.3	4337.8	4345.3	4352.9	4378.0	4418.3
30°	4466.1	4473.7	4446.0	4413.3	4408.2	4390.6	4413.3	4438.4	4466.1	4501.3
32.5°	4594.4	4609.5	4574.3	4539.1	4516.4	4506.4	4524.0	4566.8	4604.5	4642.2
35°	4808.3	4818.4	4785.7	4720.2	4680.0	4680.0	4695.1	4750.4	4810.8	4858.6
37.5°	5110.2	5122.8	5064.9	4986.9	4926.6	4926.6	4946.7	5004.6	5095.1	5163.1
40°	5477.6	5495.2	5422.2	5341.7	5283.8	5273.8	5298.9	5364.4	5449.9	5535.5
42.5°	5920.4	5940.6	5844.9	5774.5	5729.2	5729.2	5741.8	5802.2	5880.2	5985.8
45°	6486.5	6521.8	6390.9	6320.5	6277.7	6287.8	6295.3	6348.2	6418.6	6539.4
47.5°	7160.9	7196.1	7057.7	6984.7	6977.2	7025.0	6994.8	7032.5	7070.3	7208.7
50°	7925.8	7986.2	7890.5	7885.5	7900.6	7988.7	7918.2	7938.3	7895.6	7983.6
52.5°	8861.8	8949.8	8932.2	8962.4	9131.0	9312.1	9151.1	9080.7	8919.6	8947.3
55°	9996.5	10129.9	10155.0	10336.2	10718.7	11088.5	10746.3	10462.0	10119.8	10056.9
57.5°	11287.3	11393.0	11513.7	11883.6	12598.2	13254.9	12598.2	11969.2	11430.7	11302.4
60°	12676.2	12807.0	12922.8	13468.8	14530.6	15454.0	14510.4	13511.5	12799.5	12625.9
62.5°	14168.3	14336.8	14417.3	15023.7	16261.7	17363.7	16279.3	15069.0	14279.0	14092.8
65°	15599.9	15738.3	15828.9	16475.5	17658.1	18762.7	17738.6	16546.0	15733.3	15489.2
67.5°	16266.7	16342.2	16563.6	17295.8	18543.8	19804.4	18755.1	17373.8	16465.5	16037.7
70°	15290.4	15137.0	15670.4	16842.9	18649.5	20443.4	18891.0	16807.7	15695.5	15001.1
72.5°	11815.7	11551.5	12477.4	14482.8	17441.7	20035.8	17562.5	14596.0	13053.6	11644.6
75°	6428.7	6129.3	7407.4	9943.7	13909.1	17366.2	14228.6	10228.0	8247.8	6380.9
77.5°	1814.1	1700.9	2732.5	4810.8	8366.1	12193.1	8688.1	4916.5	3240.8	1922.3
80°	556.1	538.4	729.7	1449.3	3552.8	5839.9	3414.4	1466.9	928.4	586.3
82.5°	329.6	301.9	362.3	528.4	905.8	1834.2	880.6	551.0	442.8	296.9
85°	188.7	176.1	213.9	256.6	304.5	390.0	254.1	261.7	236.5	158.5
87.5°	78.0	70.5	83.0	80.5	70.5	90.6	67.9	80.5	95.6	62.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4415.8
4400.7
4345.3
4284.9
4257.3
4257.3
4274.9
4307.6
4340.3
4355.4
4370.5
4408.2
4493.8
4627.1
4841.0
5137.9
5507.8
5978.3
6534.4
7168.4
7930.8
8854.2
9958.8
11211.8
12474.9
13941.8
15368.4
16042.8
15167.1
11994.3
6796.0
2136.2
619.0
322.1
166.1
57.9
0.0

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