

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: P952856

Luminaire Tested: **GALN-SB6C-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952856  
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-SB6C-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

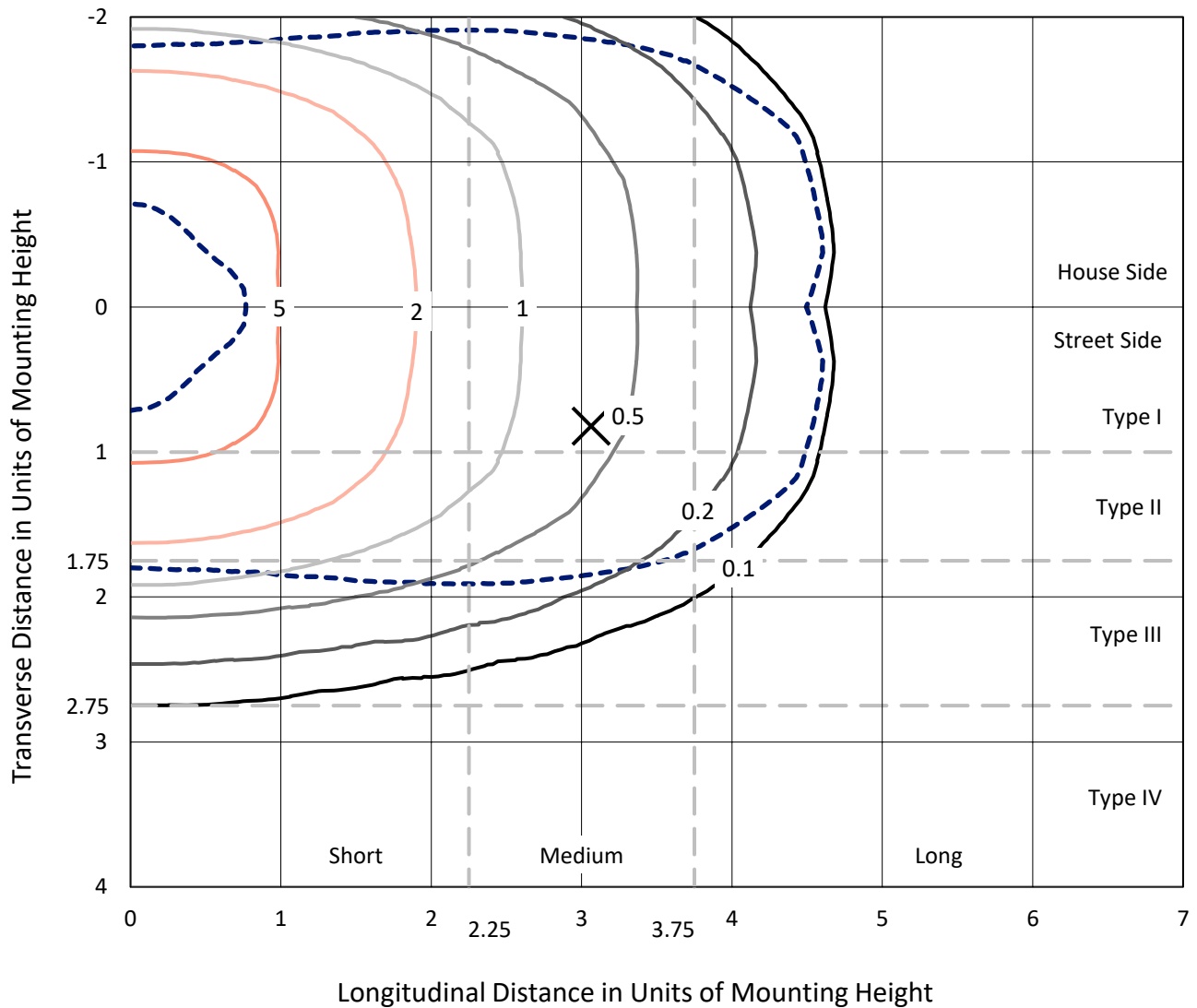
Lumens per Lamp: N/A  
Luminaire Lumens: 42021 lumens  
Efficiency: N/A  
Efficacy: 139.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

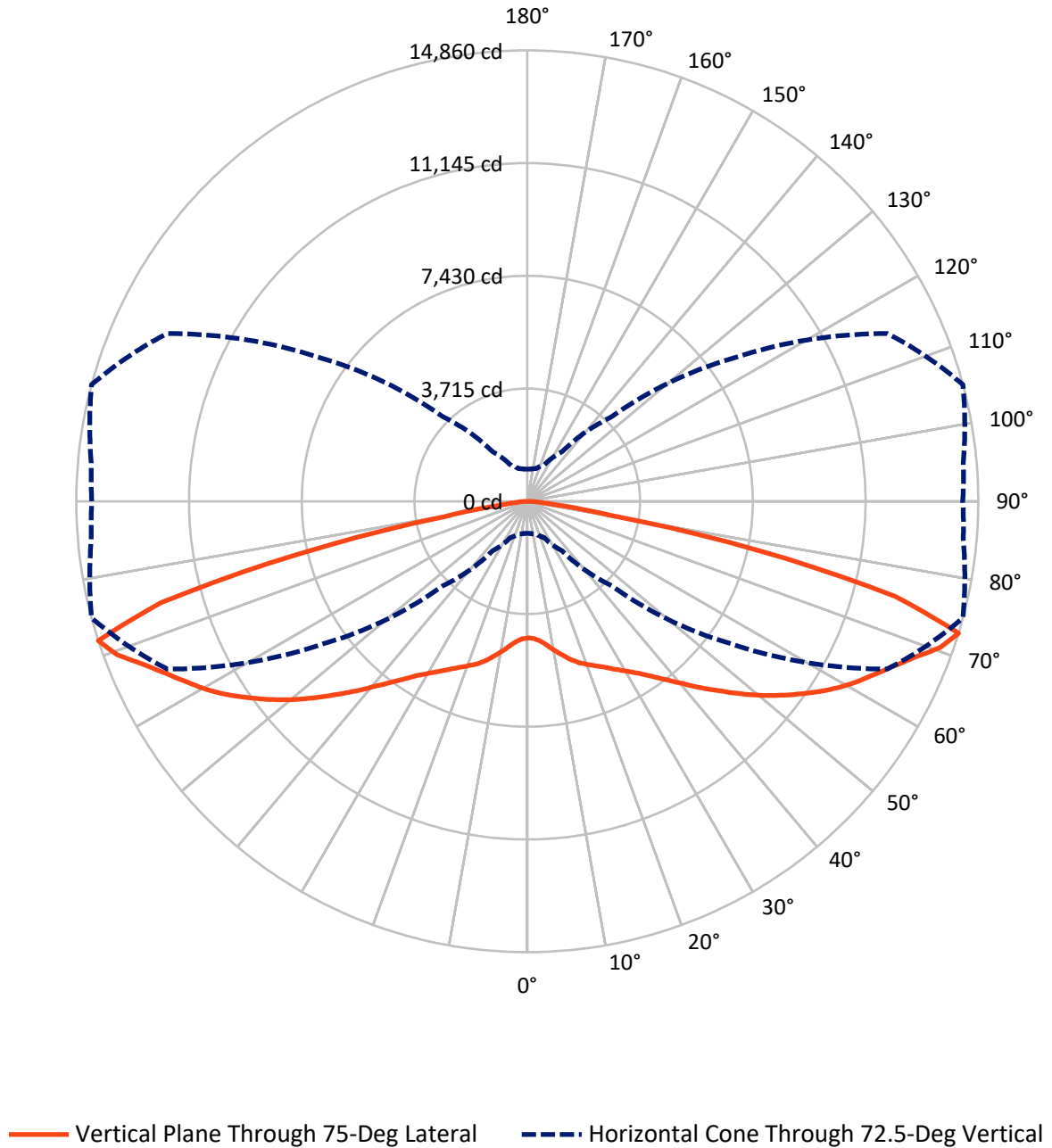
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	21010.5	0.0	21010.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21010.5	0.0	21010.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	42021.0	0.0	42021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.9	1.0
10°-20°	1454.3	3.5
20°-30°	2810.1	6.7
30°-40°	4745.0	11.3
40°-50°	7525.1	17.9
50°-60°	10075.2	24.0
60°-70°	9588.3	22.8
70°-80°	5003.4	11.9
80°-90°	378.7	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°	42021.0	100.0
0°-180°	42021.0	100.0

**Coefficient of Utilization**



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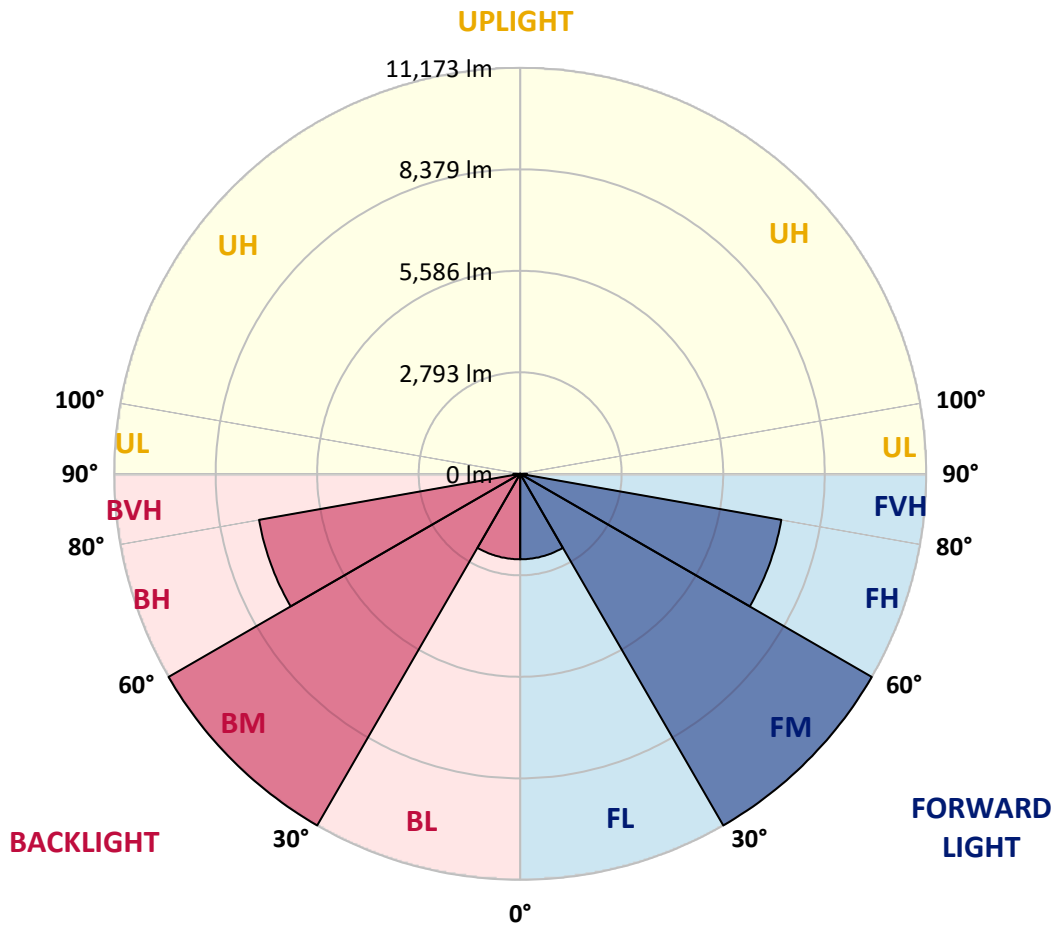
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.7	5.6			
FM (30°-60°)	11172.6	26.6			
FH (60°-80°)	7295.8	17.4			G3/7500
FVH (80°-90°)	189.4	0.5			G2/225
BL (0°-30°)	2352.7	5.6	B3/2500		
BM (30°-60°)	11172.6	26.6	B5		
BH (60°-80°)	7295.8	17.4	B5		G5
BVH (80°-90°)	189.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4501.2	4501.2	4501.2	4501.2	4501.2	4501.2	4501.2	4501.2	4501.2	4501.2
2.5°	4501.2	4496.9	4501.2	4505.5	4503.3	4503.3	4514.1	4520.5	4533.4	4531.2
5°	4471.2	4469.0	4486.2	4505.5	4520.5	4546.3	4578.4	4602.0	4632.1	4638.5
7.5°	4456.1	4449.7	4479.7	4514.1	4561.3	4625.6	4687.9	4752.2	4803.7	4820.9
10°	4466.9	4469.0	4509.8	4574.1	4649.2	4739.3	4827.3	4936.7	5009.7	5026.8
12.5°	4516.2	4511.9	4580.6	4683.6	4786.5	4900.3	5003.2	5123.4	5202.8	5243.5
15°	4606.3	4597.7	4694.3	4846.6	4996.8	5129.8	5213.5	5327.2	5419.5	5471.0
17.5°	4713.6	4717.9	4844.5	5041.9	5239.2	5389.4	5468.8	5526.7	5597.5	5642.6
20°	4902.4	4911.0	5052.6	5286.4	5511.7	5683.4	5747.7	5726.3	5745.6	5779.9
22.5°	5155.6	5159.9	5318.6	5571.8	5807.8	5996.6	6039.5	5951.5	5897.9	5921.5
25°	5449.5	5477.4	5636.2	5895.8	6138.2	6318.4	6337.7	6204.7	6071.7	6078.1
27.5°	5807.8	5833.5	5994.5	6251.9	6498.6	6655.3	6653.1	6475.0	6279.8	6230.5
30°	6196.1	6224.0	6389.2	6655.3	6884.8	7022.1	6992.1	6779.7	6500.8	6408.5
32.5°	6657.4	6674.6	6841.9	7108.0	7320.4	7429.8	7367.6	7105.8	6758.2	6653.1
35°	7215.2	7241.0	7365.4	7616.4	7803.1	7893.2	7788.1	7479.1	7088.6	6970.6
37.5°	7852.4	7835.3	7976.9	8200.0	8354.5	8410.3	8266.5	7899.6	7466.2	7326.8
40°	8517.5	8508.9	8663.4	8878.0	8961.6	8996.0	8783.6	8382.4	7901.8	7751.6
42.5°	9120.4	9114.0	9322.1	9560.2	9661.1	9622.4	9354.3	8895.1	8406.0	8234.3
45°	9603.1	9594.6	9849.9	10184.6	10381.9	10317.6	9957.1	9461.5	8916.6	8738.5
47.5°	9974.3	9978.6	10253.2	10667.3	11012.7	11036.3	10572.9	10038.7	9478.7	9277.0
50°	10242.5	10255.4	10549.3	11008.4	11480.4	11688.5	11201.5	10630.8	10060.1	9832.7
52.5°	10309.0	10332.6	10686.6	11225.1	11780.8	12177.7	11840.9	11199.4	10611.5	10394.8
55°	9955.0	10002.2	10450.6	11207.9	11965.3	12499.5	12403.0	11776.5	11167.2	10944.1
57.5°	9141.9	9208.4	9731.9	10720.9	11924.5	12720.5	12838.5	12330.0	11722.9	11508.3
60°	8002.6	8082.0	8584.0	9663.2	11349.5	12802.0	13145.3	12868.5	12233.5	12025.4
62.5°	6284.1	6387.1	6987.8	8253.6	10135.2	12422.3	13407.1	13355.6	12692.6	12433.0
65°	4031.3	4140.8	4773.7	6269.1	8515.4	11259.4	13488.6	13829.7	13177.5	12814.9
67.5°	2430.8	2480.2	2793.4	3799.6	6224.0	9506.6	12797.7	14355.4	13743.9	13293.3
70°	1555.5	1583.4	1770.0	2231.3	3518.6	6936.3	11085.7	14454.0	14430.4	13784.7
72.5°	1055.6	1064.2	1113.5	1321.6	1991.0	3941.2	8176.4	13085.2	14859.5	14417.6
75°	772.4	819.6	899.0	935.4	1130.7	1969.5	4685.7	9193.3	12523.1	12716.2
77.5°	575.0	577.1	686.6	729.5	806.7	1049.1	1982.4	5132.0	7775.2	8163.5
80°	487.0	461.3	459.1	587.9	607.2	654.4	886.1	1772.2	2784.8	1688.5
82.5°	405.5	377.6	341.1	459.1	414.1	401.2	384.0	720.9	886.1	435.5
85°	283.2	270.3	257.5	300.4	236.0	201.7	184.5	336.8	373.3	184.5
87.5°	122.3	126.6	128.7	133.0	98.7	70.8	70.8	94.4	94.4	72.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4501.2
4529.1
4638.5
4825.2
5044.0
5260.7
5490.3
5664.0
5805.6
5938.7
6088.9
6245.5
6419.3
6678.9
6987.8
7352.5
7800.9
8277.2
8779.3
9337.1
9901.4
10450.6
11006.3
11557.7
12070.4
12463.0
12860.0
13327.7
13780.4
14348.9
12248.5
7281.7
1276.6
371.2
163.1
53.6
0.0

OF REPORT)