

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: P952499

Luminaire Tested: **GALN-SB6B-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952499  
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-SB6B-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

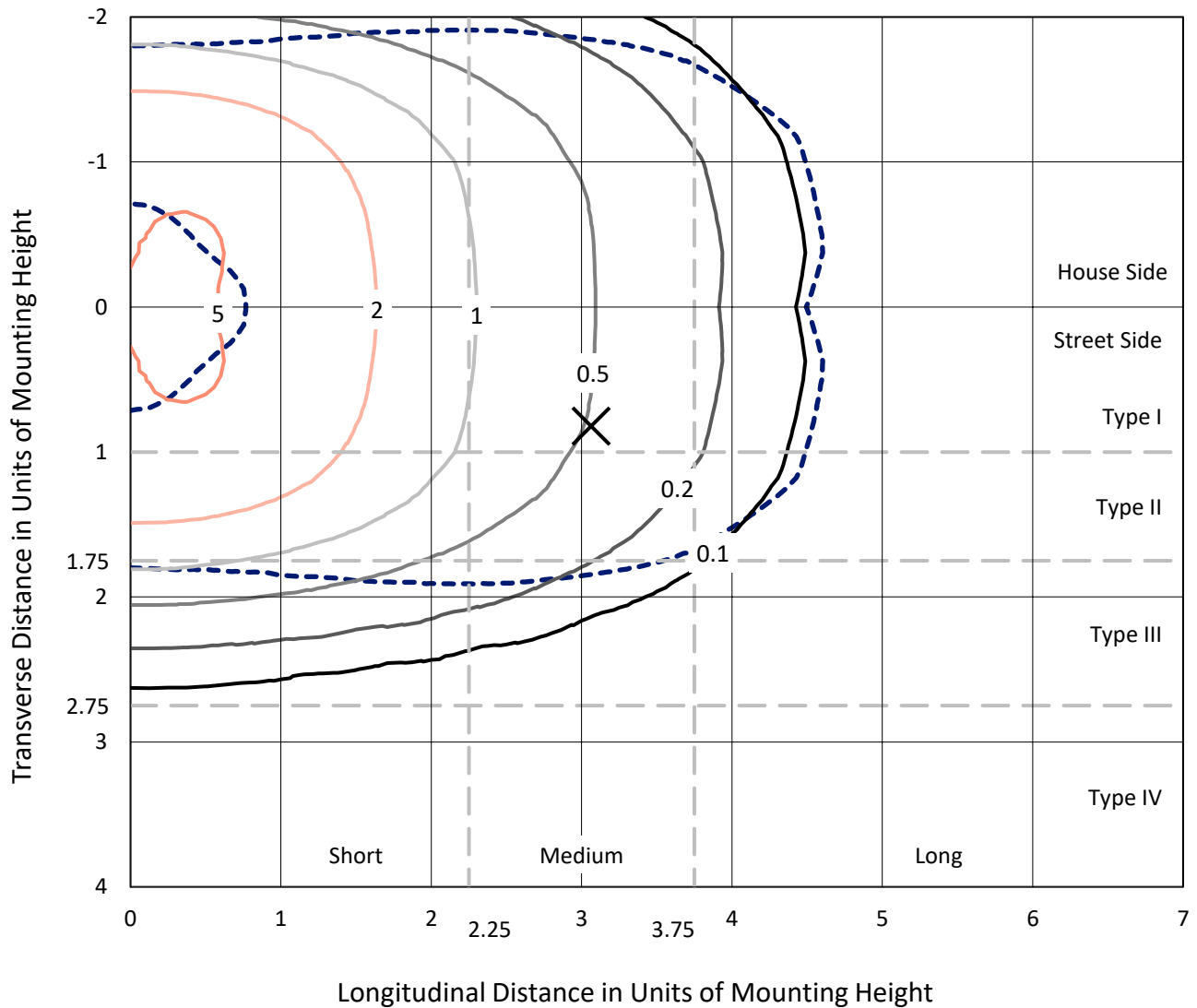
Lumens per Lamp: N/A  
Luminaire Lumens: 31596 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): 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

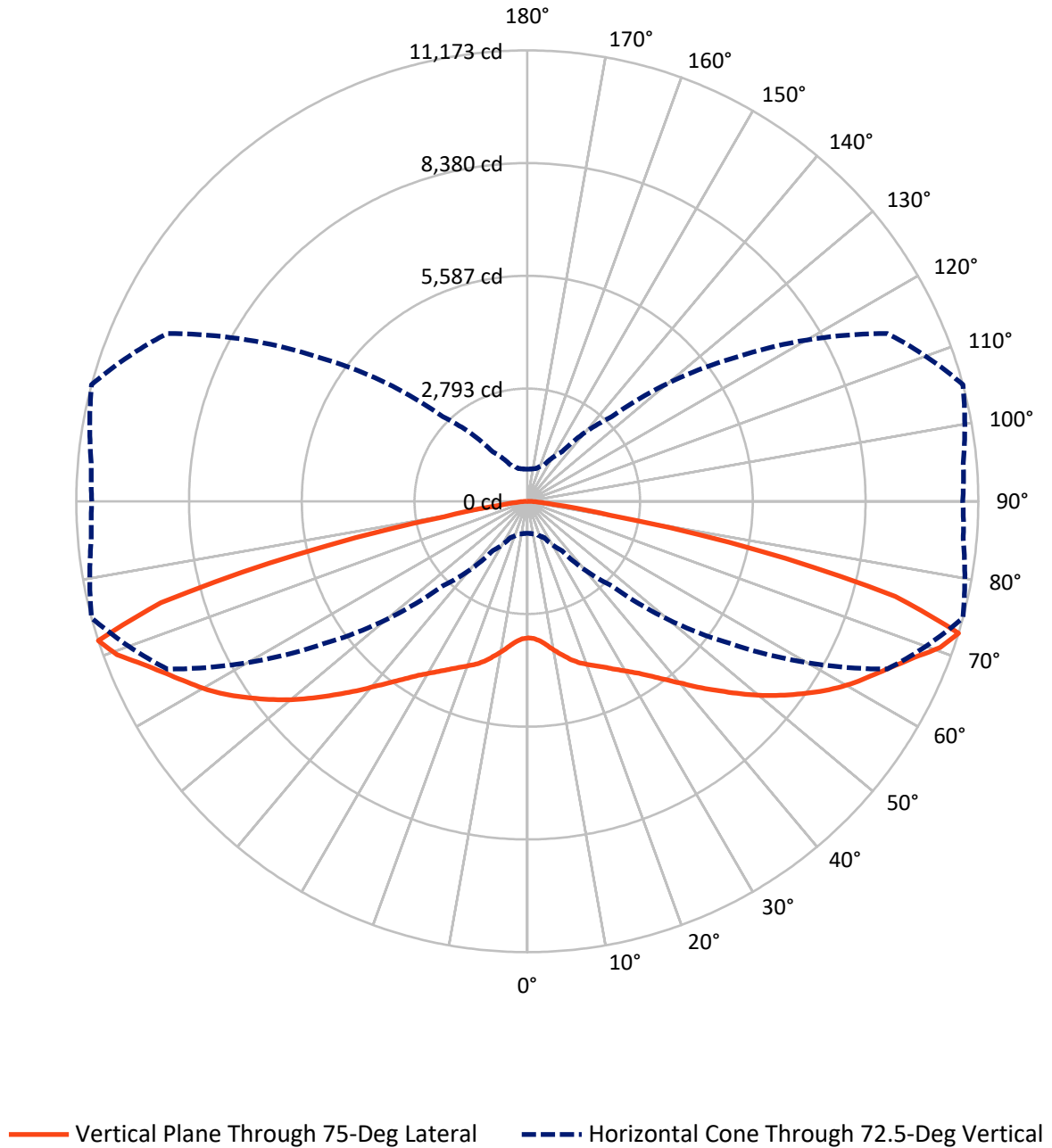
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	15798.0	0.0	15798.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15798.0	0.0	15798.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31596.0	0.0	31596.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.5	1.0
10°-20°	1093.5	3.5
20°-30°	2112.9	6.7
30°-40°	3567.8	11.3
40°-50°	5658.2	17.9
50°-60°	7575.6	24.0
60°-70°	7209.6	22.8
70°-80°	3762.1	11.9
80°-90°	284.8	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°	31596.0	100.0
0°-180°	31596.0	100.0

**Coefficient of Utilization**



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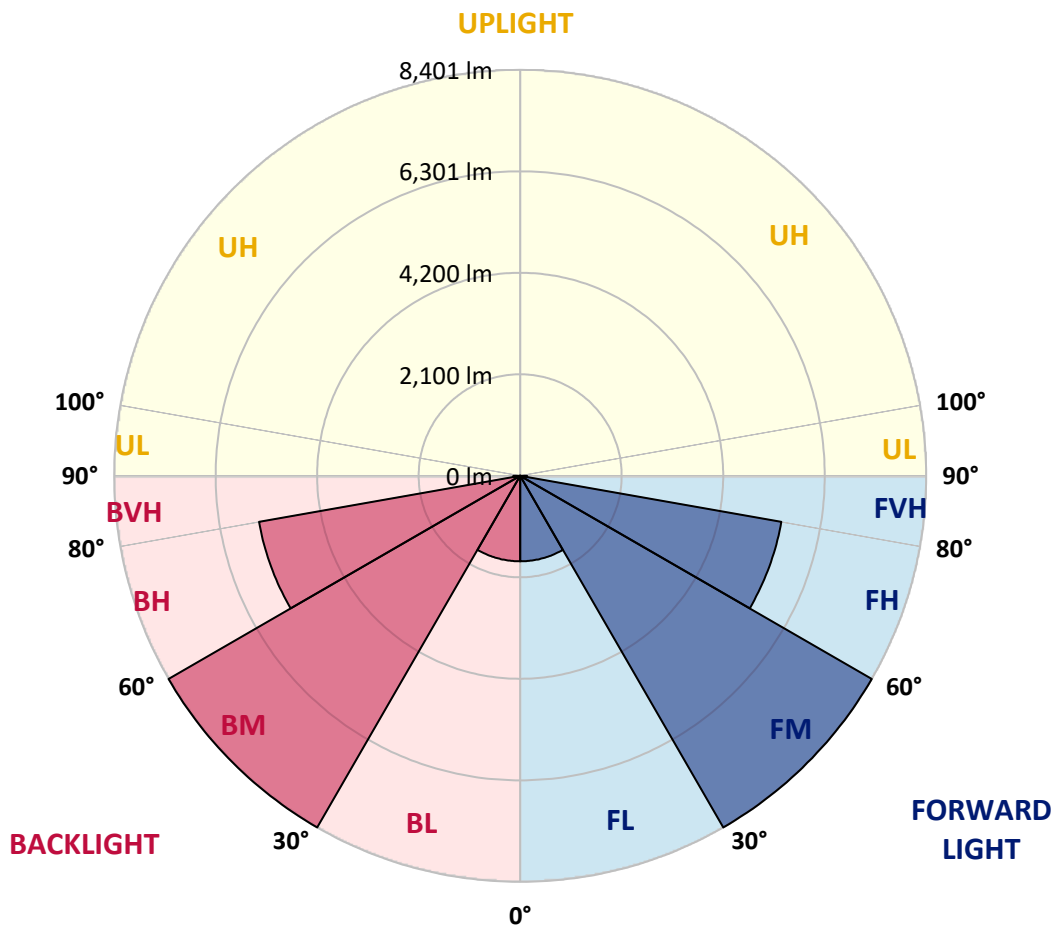
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1769.0	5.6			
FM (30°-60°)	8400.8	26.6			
FH (60°-80°)	5485.8	17.4			G3/7500
FVH (80°-90°)	142.4	0.5			G2/225
BL (0°-30°)	1769.0	5.6	B3/2500		
BM (30°-60°)	8400.8	26.6	B4/8500		
BH (60°-80°)	5485.8	17.4	B5		G5
BVH (80°-90°)	142.4	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°	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5	3384.5
2.5°	3384.5	3381.3	3384.5	3387.7	3386.1	3386.1	3394.2	3399.0	3408.7	3407.1
5°	3361.9	3360.3	3373.2	3387.7	3399.0	3418.4	3442.6	3460.3	3482.9	3487.7
7.5°	3350.6	3345.8	3368.4	3394.2	3429.7	3478.1	3524.8	3573.2	3612.0	3624.9
10°	3358.7	3360.3	3391.0	3439.3	3495.8	3563.6	3629.7	3712.0	3766.8	3779.7
12.5°	3395.8	3392.6	3444.2	3521.6	3599.1	3684.6	3762.0	3852.3	3912.0	3942.7
15°	3463.5	3457.1	3529.7	3644.2	3757.1	3857.2	3920.1	4005.6	4074.9	4113.7
17.5°	3544.2	3547.4	3642.6	3791.0	3939.4	4052.4	4112.1	4155.6	4208.8	4242.7
20°	3686.2	3692.6	3799.1	3974.9	4144.3	4273.4	4321.8	4305.6	4320.2	4346.0
22.5°	3876.5	3879.8	3999.1	4189.5	4366.9	4508.9	4541.2	4475.0	4434.7	4452.4
25°	4097.5	4118.5	4237.9	4433.1	4615.4	4750.9	4765.4	4665.4	4565.4	4570.2
27.5°	4366.9	4386.3	4507.3	4700.9	4886.4	5004.2	5002.5	4868.6	4721.8	4684.7
30°	4658.9	4679.9	4804.1	5004.2	5176.8	5280.0	5257.4	5097.7	4888.0	4818.6
32.5°	5005.8	5018.7	5144.5	5344.5	5504.2	5586.5	5539.7	5342.9	5081.6	5002.5
35°	5425.2	5444.6	5538.1	5726.9	5867.2	5935.0	5855.9	5623.6	5330.0	5241.3
37.5°	5904.3	5891.4	5997.9	6165.7	6281.8	6323.8	6215.7	5939.8	5613.9	5509.1
40°	6404.4	6398.0	6514.1	6675.4	6738.3	6764.2	6604.4	6302.8	5941.4	5828.5
42.5°	6857.7	6852.9	7009.4	7188.4	7264.2	7235.2	7033.6	6688.3	6320.5	6191.5
45°	7220.7	7214.2	7406.2	7657.9	7806.3	7757.9	7486.9	7114.2	6704.5	6570.6
47.5°	7499.8	7503.0	7709.5	8020.8	8280.6	8298.3	7949.9	7548.2	7127.1	6975.5
50°	7701.4	7711.1	7932.1	8277.3	8632.2	8788.7	8422.5	7993.4	7564.3	7393.3
52.5°	7751.4	7769.2	8035.4	8440.3	8858.1	9156.5	8903.3	8420.9	7978.9	7816.0
55°	7485.3	7520.7	7857.9	8427.4	8996.8	9398.5	9325.9	8854.9	8396.7	8228.9
57.5°	6873.9	6923.9	7317.5	8061.2	8966.2	9564.7	9653.4	9271.1	8814.5	8653.2
60°	6017.2	6076.9	6454.4	7265.9	8533.8	9626.0	9884.1	9676.0	9198.5	9042.0
62.5°	4725.1	4802.5	5254.2	6206.0	7620.8	9340.4	10080.9	10042.2	9543.7	9348.5
65°	3031.2	3113.5	3589.4	4713.8	6402.8	8466.1	10142.2	10398.7	9908.3	9635.7
67.5°	1827.8	1864.9	2100.4	2857.0	4679.9	7148.1	9622.7	10793.9	10334.2	9995.4
70°	1169.6	1190.5	1330.9	1677.7	2645.7	5215.5	8335.4	10868.1	10850.4	10364.8
72.5°	793.7	800.1	837.3	993.7	1497.1	2963.5	6147.9	9838.9	11173.0	10840.7
75°	580.8	616.2	675.9	703.4	850.2	1480.9	3523.2	6912.6	9416.3	9561.4
77.5°	432.3	434.0	516.2	548.5	606.6	788.9	1490.6	3858.8	5846.2	6138.2
80°	366.2	346.8	345.2	442.0	456.5	492.0	666.3	1332.5	2093.9	1269.6
82.5°	304.9	283.9	256.5	345.2	311.3	301.7	288.8	542.0	666.3	327.5
85°	212.9	203.3	193.6	225.8	177.5	151.6	138.7	253.3	280.7	138.7
87.5°	92.0	95.2	96.8	100.0	74.2	53.2	53.2	71.0	71.0	54.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3384.5
3405.5
3487.7
3628.1
3792.6
3955.6
4128.2
4258.9
4365.3
4465.3
4578.3
4696.0
4826.7
5021.9
5254.2
5528.4
5865.6
6223.7
6601.2
7020.7
7444.9
7857.9
8275.7
8690.3
9075.9
9371.1
9669.5
10021.2
10361.6
10789.1
9209.8
5475.2
959.9
279.1
122.6
40.3
0.0

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