

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: P942390

Luminaire Tested: **GALN-SB6B-850-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942390  
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-SB6B-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

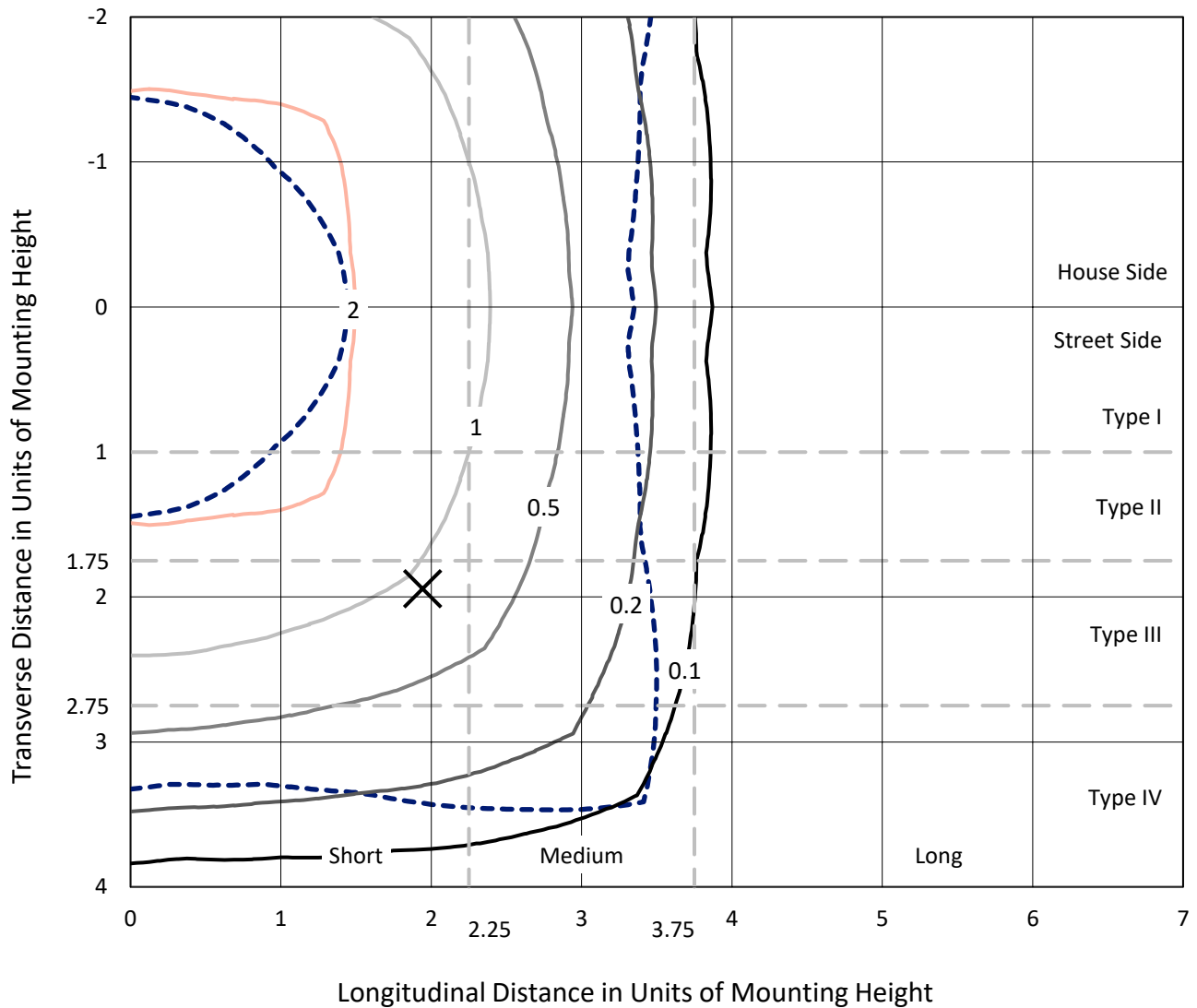
Lumens per Lamp: N/A  
Luminaire Lumens: 33038 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

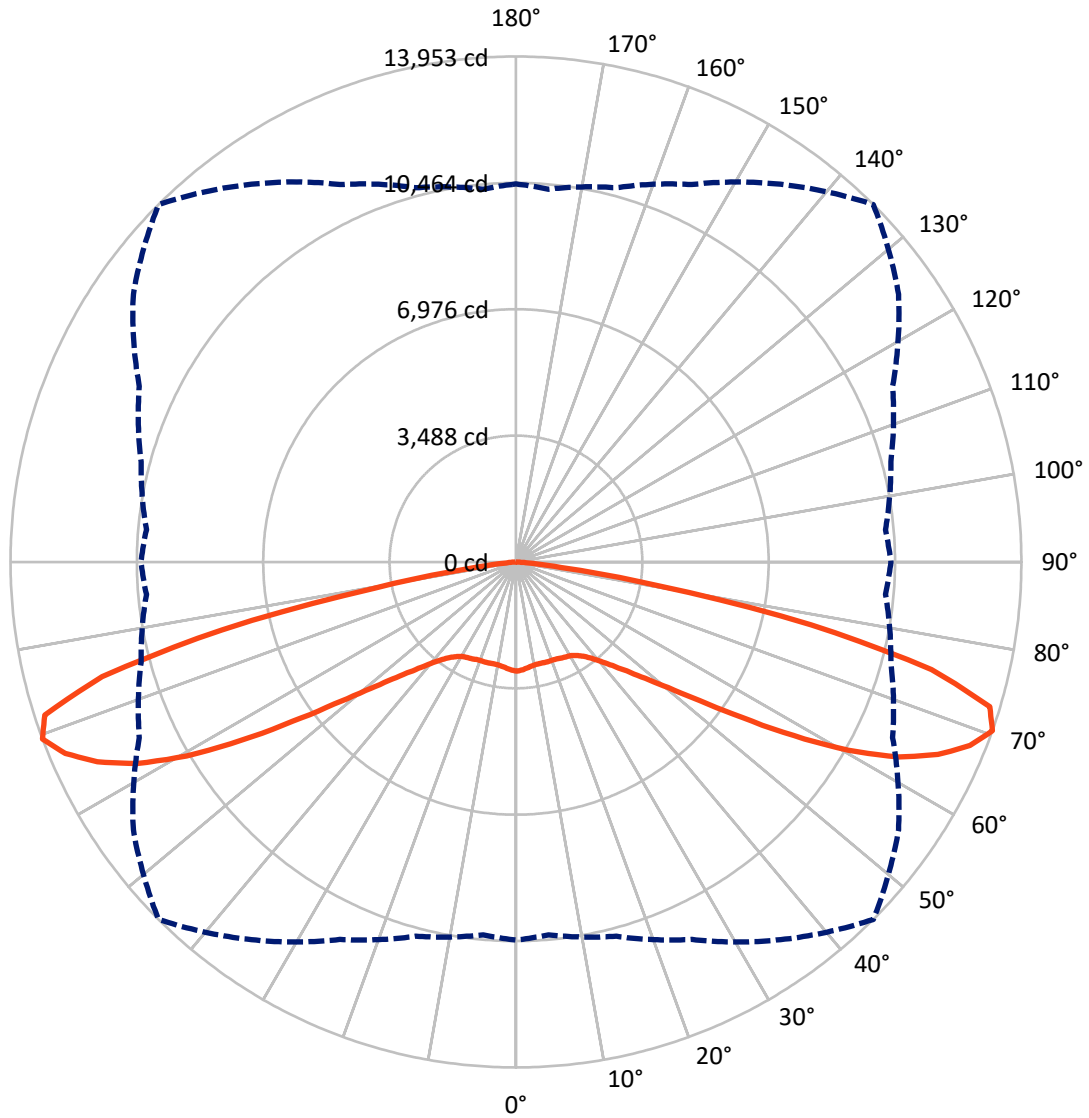
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	16519.0	0.0	16519.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16519.0	0.0	16519.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33038.0	0.0	33038.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.3	0.8
10°-20°	823.2	2.5
20°-30°	1369.9	4.1
30°-40°	2071.7	6.3
40°-50°	3442.6	10.4
50°-60°	6496.1	19.7
60°-70°	10968.9	33.2
70°-80°	7207.7	21.8
80°-90°	377.6	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°	33038.0	100.0
0°-180°	33038.0	100.0

**Coefficient of Utilization**



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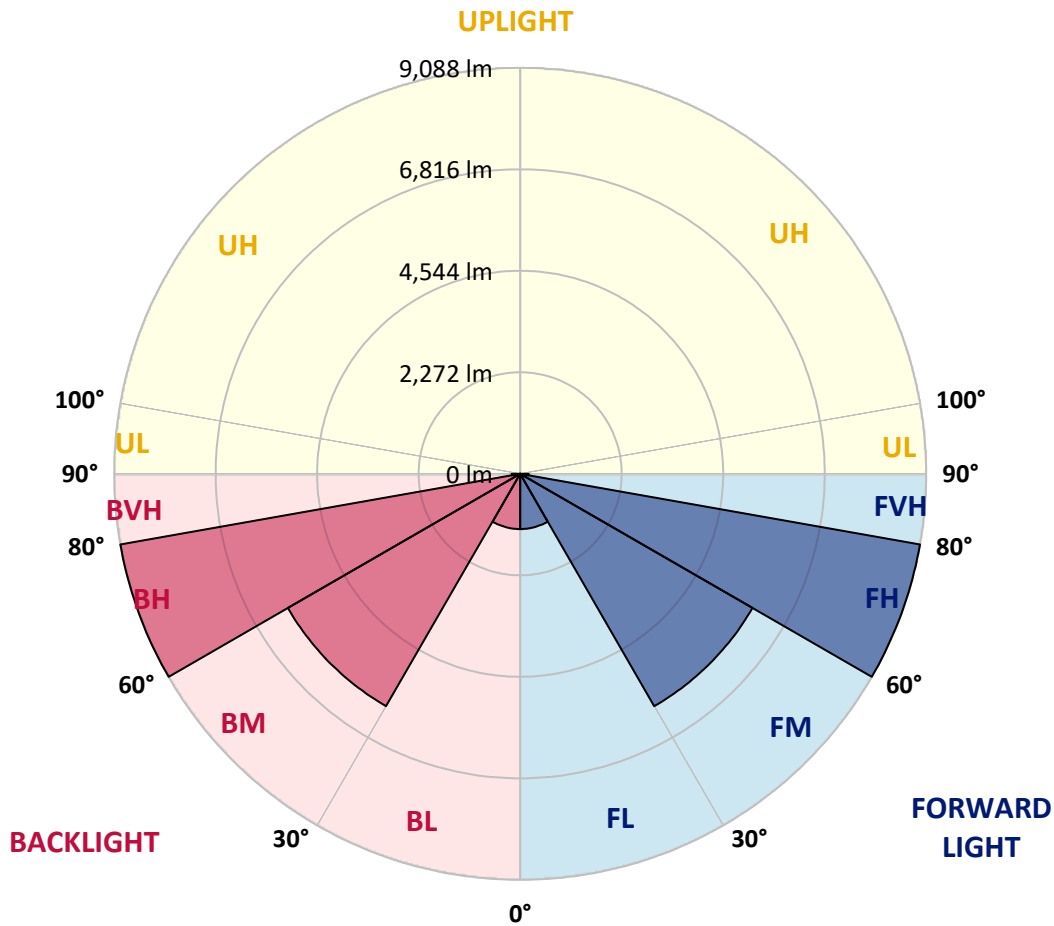
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1236.7	3.7			
FM (30°-60°)	6005.2	18.2			
FH (60°-80°)	9088.3	27.5			G4/12000
FVH (80°-90°)	188.8	0.6			G2/225
BL (0°-30°)	1236.7	3.7	B3/2500		
BM (30°-60°)	6005.2	18.2	B4/8500		
BH (60°-80°)	9088.3	27.5	B5		G4/12000
BVH (80°-90°)	188.8	0.6			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°	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7	3013.7
2.5°	2994.8	3003.4	3000.0	2993.1	2993.1	2988.0	2993.1	2996.6	3001.7	3005.1
5°	2955.3	2962.2	2960.5	2955.3	2957.1	2951.9	2955.3	2960.5	2963.9	2965.6
7.5°	2921.0	2927.9	2924.4	2915.8	2915.8	2910.7	2912.4	2917.6	2922.7	2924.4
10°	2912.4	2919.3	2909.0	2895.2	2890.1	2883.2	2884.9	2890.1	2900.4	2905.5
12.5°	2915.8	2921.0	2910.7	2890.1	2884.9	2878.1	2878.1	2883.2	2897.0	2903.8
15°	2926.2	2931.3	2915.8	2893.5	2888.4	2883.2	2881.5	2888.4	2903.8	2915.8
17.5°	2945.0	2950.2	2926.2	2895.2	2888.4	2890.1	2888.4	2893.5	2917.6	2939.9
20°	2962.2	2965.6	2933.0	2895.2	2888.4	2890.1	2888.4	2898.7	2929.6	2960.5
22.5°	2967.4	2970.8	2939.9	2907.3	2902.1	2903.8	2902.1	2912.4	2941.6	2972.5
25°	2969.1	2974.2	2950.2	2924.4	2933.0	2936.5	2933.0	2934.7	2957.1	2984.5
27.5°	2994.8	3001.7	2979.4	2957.1	2962.2	2960.5	2965.6	2970.8	2988.0	3015.4
30°	3048.1	3053.2	3034.3	3012.0	3008.6	2996.6	3012.0	3029.2	3048.1	3072.1
32.5°	3135.7	3146.0	3121.9	3097.9	3082.4	3075.6	3087.6	3116.8	3142.5	3168.3
35°	3281.6	3288.5	3266.2	3221.5	3194.0	3194.0	3204.3	3242.1	3283.3	3316.0
37.5°	3487.7	3496.3	3456.8	3403.5	3362.3	3362.3	3376.1	3415.6	3477.4	3523.7
40°	3738.4	3750.4	3700.6	3645.7	3606.2	3599.3	3616.5	3661.1	3719.5	3777.9
42.5°	4040.6	4054.4	3989.1	3941.0	3910.1	3910.1	3918.7	3959.9	4013.2	4085.3
45°	4427.0	4451.0	4361.8	4313.7	4284.5	4291.3	4296.5	4332.6	4380.6	4463.1
47.5°	4887.2	4911.3	4816.8	4767.0	4761.9	4794.5	4773.9	4799.6	4825.4	4919.9
50°	5409.3	5450.5	5385.2	5381.8	5392.1	5452.2	5404.1	5417.8	5388.7	5448.8
52.5°	6048.1	6108.2	6096.2	6116.8	6231.8	6355.5	6245.5	6197.5	6087.6	6106.5
55°	6822.5	6913.5	6930.7	7054.4	7315.4	7567.8	7334.3	7140.2	6906.7	6863.8
57.5°	7703.5	7775.6	7858.0	8110.5	8598.1	9046.3	8598.1	8168.8	7801.4	7713.8
60°	8651.4	8740.7	8819.7	9192.3	9917.0	10547.2	9903.2	9221.5	8735.5	8617.0
62.5°	9669.7	9784.8	9839.7	10253.6	11098.4	11850.6	11110.4	10284.5	9745.3	9618.2
65°	10646.8	10741.2	10803.1	11244.4	12051.5	12805.4	12106.4	11292.5	10737.8	10571.2
67.5°	11101.9	11153.4	11304.5	11804.2	12656.0	13516.3	12800.2	11857.4	11237.5	10945.6
70°	10435.6	10330.8	10694.9	11495.1	12728.1	13952.5	12892.9	11471.1	10712.1	10238.1
72.5°	8064.1	7883.8	8515.7	9884.4	11903.8	13674.3	11986.2	9961.6	8909.0	7947.3
75°	4387.5	4183.2	5055.5	6786.5	9492.8	11852.3	9710.9	6980.5	5629.1	4354.9
77.5°	1238.1	1160.8	1864.9	3283.3	5709.8	8321.7	5929.6	3355.5	2211.8	1312.0
80°	379.5	367.5	498.0	989.1	2424.7	3985.7	2330.3	1001.1	633.7	400.1
82.5°	225.0	206.1	247.3	360.6	618.2	1251.9	601.0	376.1	302.2	202.6
85°	128.8	120.2	146.0	175.2	207.8	266.2	173.4	178.6	161.4	108.2
87.5°	53.2	48.1	56.7	55.0	48.1	61.8	46.4	55.0	65.3	42.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3013.7
3003.4
2965.6
2924.4
2905.5
2905.5
2917.6
2939.9
2962.2
2972.5
2982.8
3008.6
3067.0
3158.0
3303.9
3506.6
3759.0
4080.1
4459.6
4892.4
5412.7
6042.9
6796.8
7652.0
8514.0
9515.1
10488.8
10949.0
10351.4
8186.0
4638.2
1457.9
422.4
219.8
113.3
39.5
0.0

OF REPORT)