

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: P942550

Luminaire Tested: **GALN-SB6C-840-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942550  
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-SB6C-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

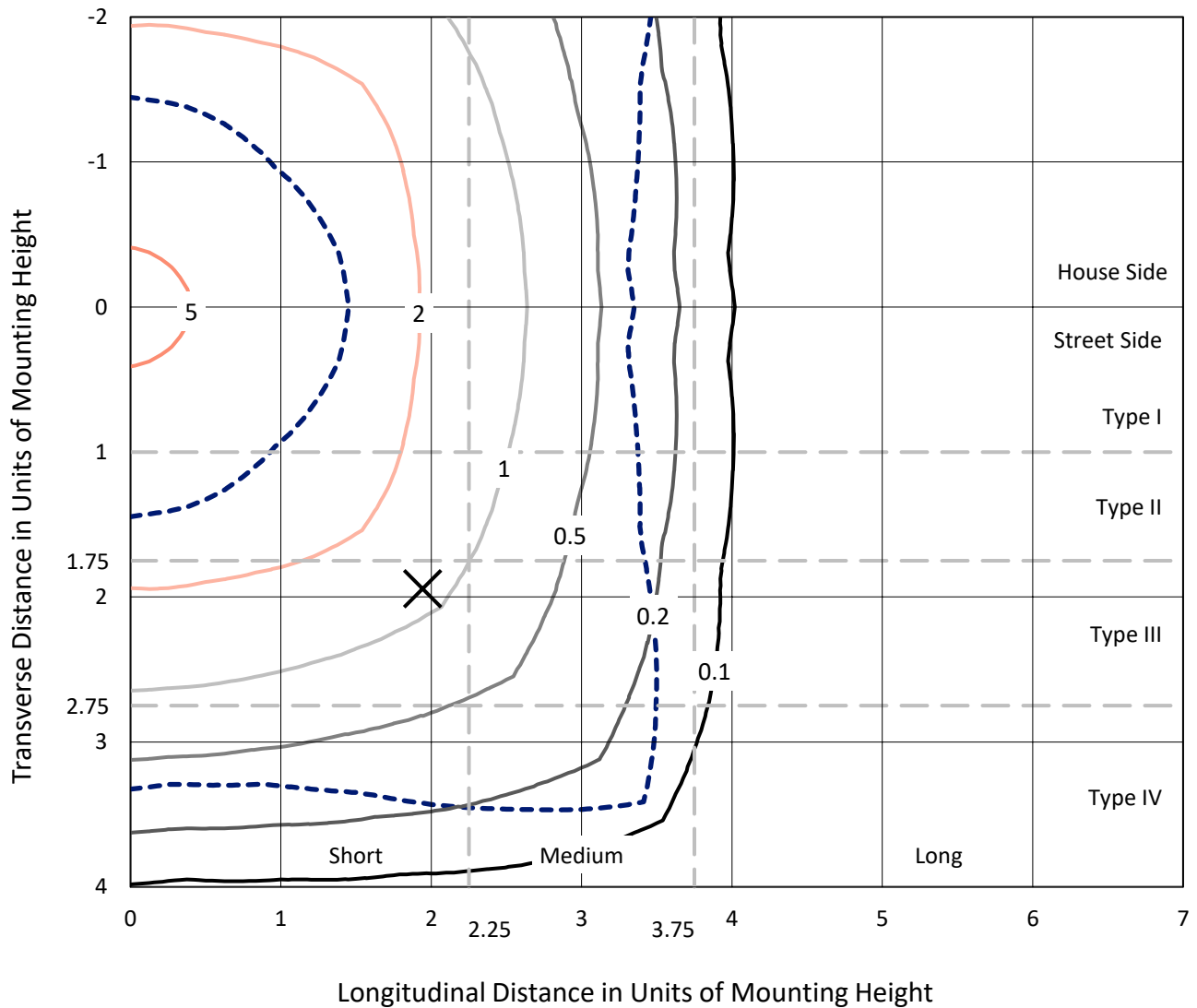
Lumens per Lamp: N/A  
Luminaire Lumens: 43940 lumens  
Efficiency: N/A  
Efficacy: 146.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

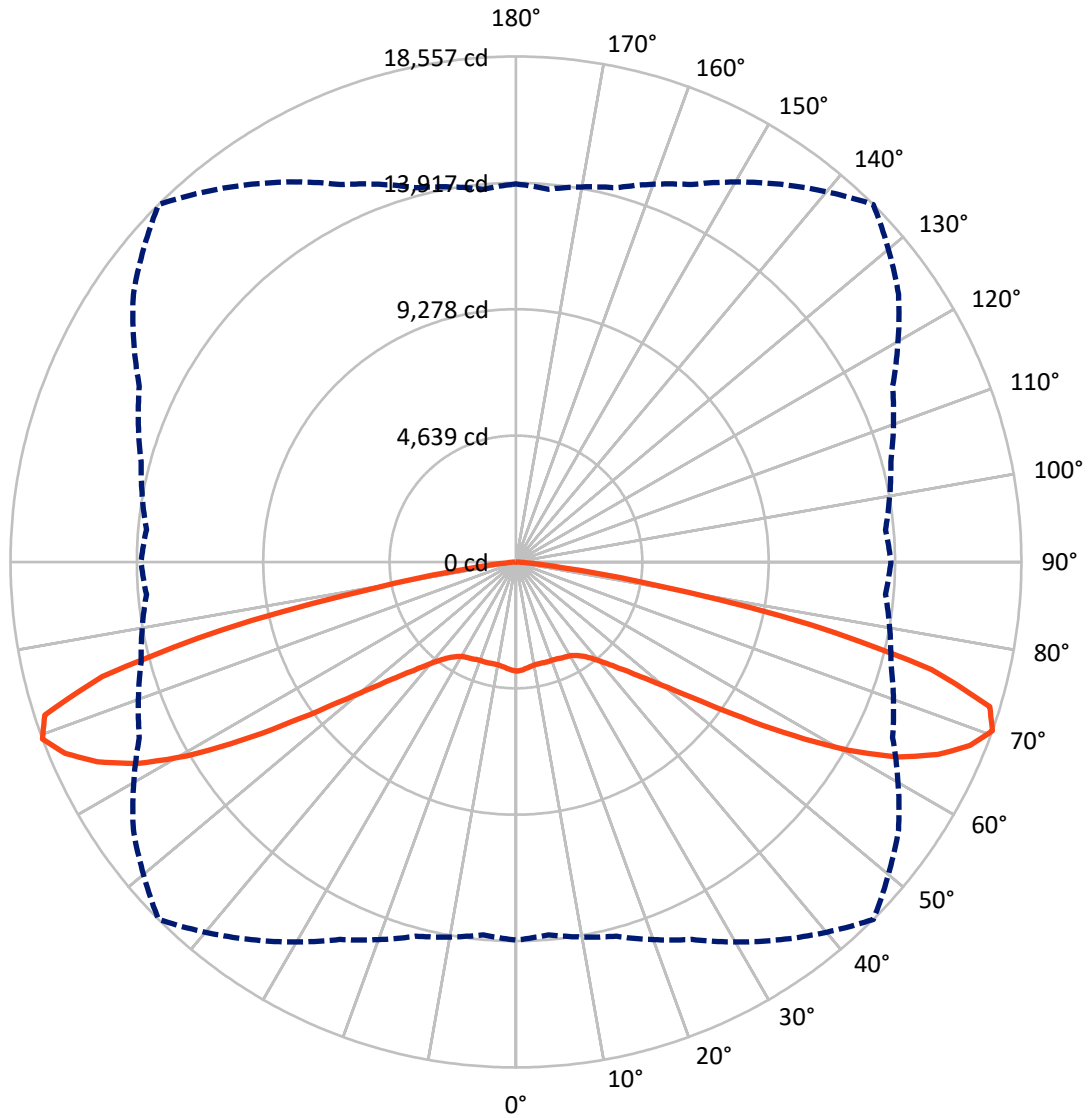
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	21970.0	0.0	21970.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21970.0	0.0	21970.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43940.0	0.0	43940.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.9	0.8
10°-20°	1094.8	2.5
20°-30°	1821.9	4.1
30°-40°	2755.3	6.3
40°-50°	4578.6	10.4
50°-60°	8639.7	19.7
60°-70°	14588.5	33.2
70°-80°	9586.1	21.8
80°-90°	502.2	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°	43940.0	100.0
0°-180°	43940.0	100.0

**Coefficient of Utilization**



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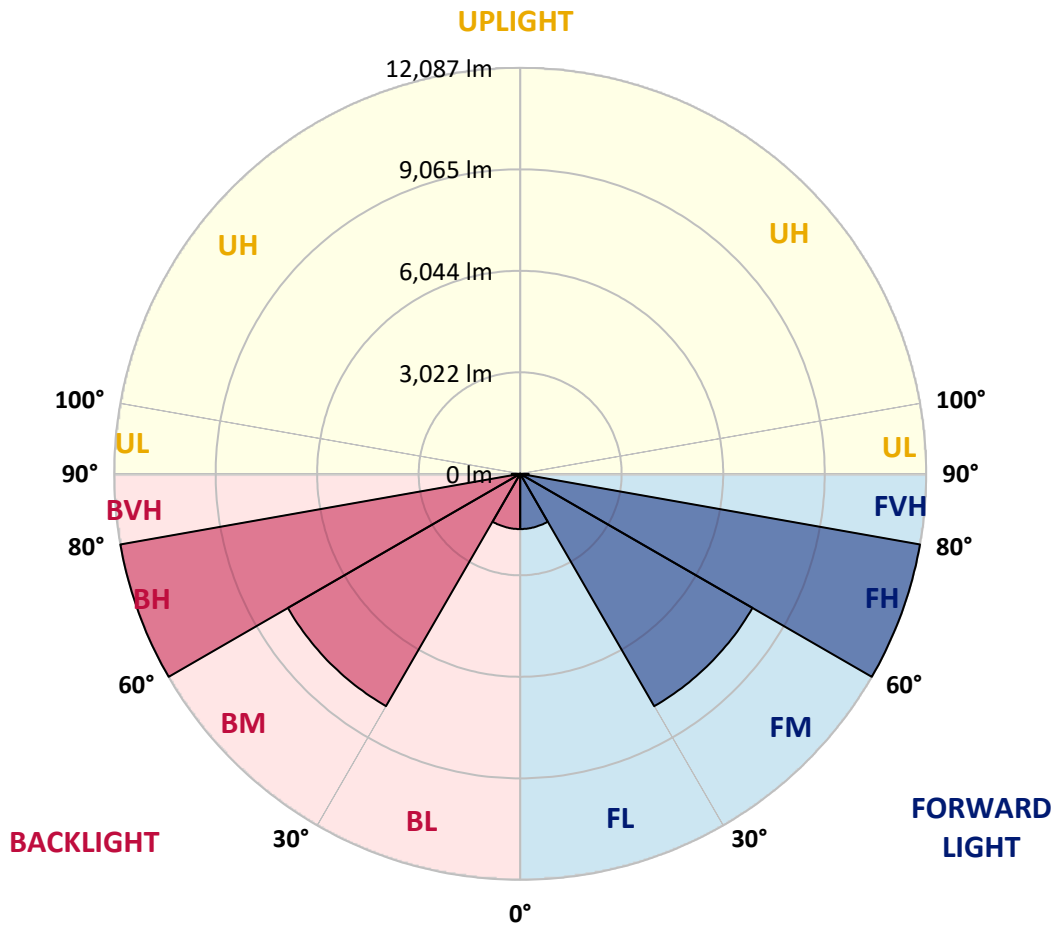
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.8	3.7			
FM (30°-60°)	7986.8	18.2			
FH (60°-80°)	12087.3	27.5			G5
FVH (80°-90°)	251.1	0.6			G3/500
BL (0°-30°)	1644.8	3.7	B3/2500		
BM (30°-60°)	7986.8	18.2	B4/8500		
BH (60°-80°)	12087.3	27.5	B5		G5
BVH (80°-90°)	251.1	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°	4008.2	4008.2	4008.2	4008.2	4008.2	4008.2	4008.2	4008.2	4008.2	4008.2
2.5°	3983.1	3994.5	3989.9	3980.8	3980.8	3974.0	3980.8	3985.4	3992.2	3996.8
5°	3930.6	3939.7	3937.4	3930.6	3932.8	3926.0	3930.6	3937.4	3942.0	3944.3
7.5°	3884.9	3894.0	3889.5	3878.0	3878.0	3871.2	3873.5	3880.3	3887.2	3889.5
10°	3873.5	3882.6	3868.9	3850.6	3843.8	3834.6	3836.9	3843.8	3857.5	3864.3
12.5°	3878.0	3884.9	3871.2	3843.8	3836.9	3827.8	3827.8	3834.6	3852.9	3862.0
15°	3891.7	3898.6	3878.0	3848.3	3841.5	3834.6	3832.4	3841.5	3862.0	3878.0
17.5°	3916.9	3923.7	3891.7	3850.6	3841.5	3843.8	3841.5	3848.3	3880.3	3910.0
20°	3939.7	3944.3	3900.9	3850.6	3841.5	3843.8	3841.5	3855.2	3896.3	3937.4
22.5°	3946.5	3951.1	3910.0	3866.6	3859.8	3862.0	3859.8	3873.5	3912.3	3953.4
25°	3948.8	3955.7	3923.7	3889.5	3900.9	3905.4	3900.9	3903.2	3932.8	3969.4
27.5°	3983.1	3992.2	3962.5	3932.8	3939.7	3937.4	3944.3	3951.1	3974.0	4010.5
30°	4053.9	4060.7	4035.6	4005.9	4001.4	3985.4	4005.9	4028.8	4053.9	4085.9
32.5°	4170.4	4184.1	4152.1	4120.1	4099.6	4090.4	4106.4	4145.2	4179.5	4213.8
35°	4364.5	4373.6	4343.9	4284.6	4248.0	4248.0	4261.7	4312.0	4366.8	4410.2
37.5°	4638.6	4650.0	4597.5	4526.7	4471.8	4471.8	4490.1	4542.6	4624.9	4686.5
40°	4972.0	4988.0	4921.8	4848.7	4796.2	4787.0	4809.9	4869.2	4946.9	5024.5
42.5°	5374.0	5392.2	5305.5	5241.5	5200.4	5200.4	5211.8	5266.6	5337.4	5433.4
45°	5887.8	5919.8	5801.1	5737.1	5698.3	5707.4	5714.3	5762.2	5826.2	5935.8
47.5°	6499.9	6531.9	6406.3	6340.1	6333.2	6376.6	6349.2	6383.4	6417.7	6543.3
50°	7194.2	7249.0	7162.3	7157.7	7171.4	7251.3	7187.4	7205.6	7166.8	7246.8
52.5°	8043.8	8123.8	8107.8	8135.2	8288.2	8452.6	8306.5	8242.5	8096.4	8121.5
55°	9073.9	9194.9	9217.7	9382.2	9729.3	10065.1	9754.5	9496.4	9185.8	9128.7
57.5°	10245.5	10341.4	10451.0	10786.8	11435.4	12031.5	11435.4	10864.4	10375.7	10259.2
60°	11506.2	11625.0	11730.0	12225.6	13189.4	14027.6	13171.1	12264.4	11618.1	11460.5
62.5°	12860.5	13013.6	13086.6	13637.1	14760.7	15761.1	14776.7	13678.2	12961.0	12792.0
65°	14160.1	14285.7	14367.9	14954.9	16028.3	17030.9	16101.4	15018.8	14281.1	14059.6
67.5°	14765.3	14833.8	15034.8	15699.4	16832.2	17976.4	17024.1	15770.2	14945.7	14557.5
70°	13879.2	13739.8	14224.0	15288.3	16928.1	18556.5	17147.4	15256.3	14246.9	13616.5
72.5°	10725.1	10485.3	11325.8	13146.0	15831.9	18186.6	15941.5	13248.8	11848.8	10569.8
75°	5835.3	5563.5	6723.7	9025.9	12625.3	15763.4	12915.4	9284.0	7486.6	5791.9
77.5°	1646.7	1543.9	2480.3	4366.8	7593.9	11067.7	7886.2	4462.7	2941.6	1744.9
80°	504.7	488.8	662.3	1315.5	3224.8	5300.9	3099.2	1331.5	842.8	532.1
82.5°	299.2	274.1	328.9	479.6	822.2	1664.9	799.4	500.2	402.0	269.5
85°	171.3	159.9	194.1	233.0	276.3	354.0	230.7	237.5	214.7	143.9
87.5°	70.8	63.9	75.4	73.1	63.9	82.2	61.7	73.1	86.8	57.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4008.2
3994.5
3944.3
3889.5
3864.3
3864.3
3880.3
3910.0
3939.7
3953.4
3967.1
4001.4
4079.0
4200.1
4394.2
4663.7
4999.4
5426.5
5931.2
6506.8
7198.8
8037.0
9039.6
10177.0
11323.5
12655.0
13950.0
14562.0
13767.2
10887.3
6168.8
1939.0
561.8
292.3
150.7
52.5
0.0

OF REPORT)