

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: P942480

Luminaire Tested: **GALN-SB6C-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942480  
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-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

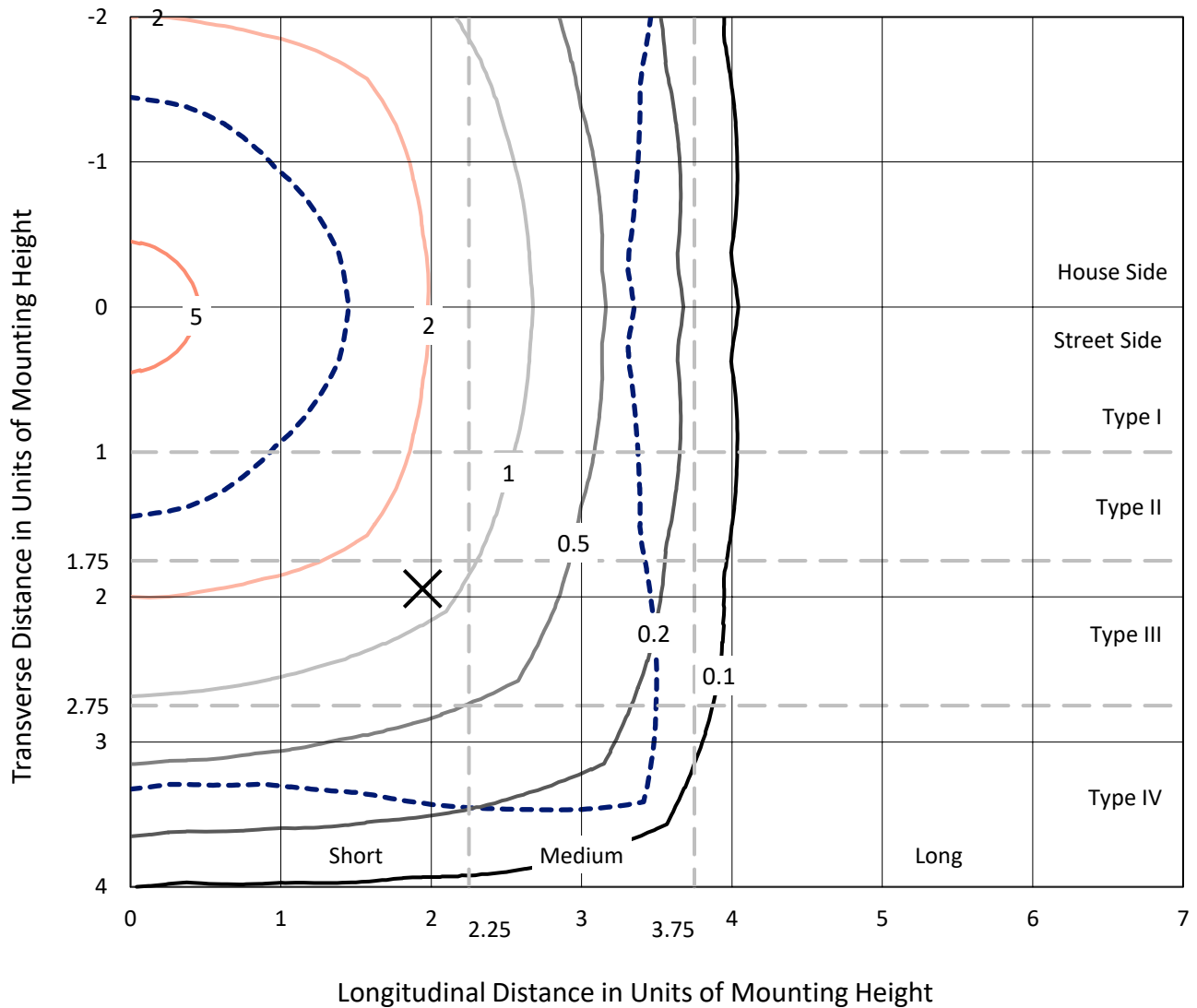
Lumens per Lamp: N/A  
Luminaire Lumens: 45937 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

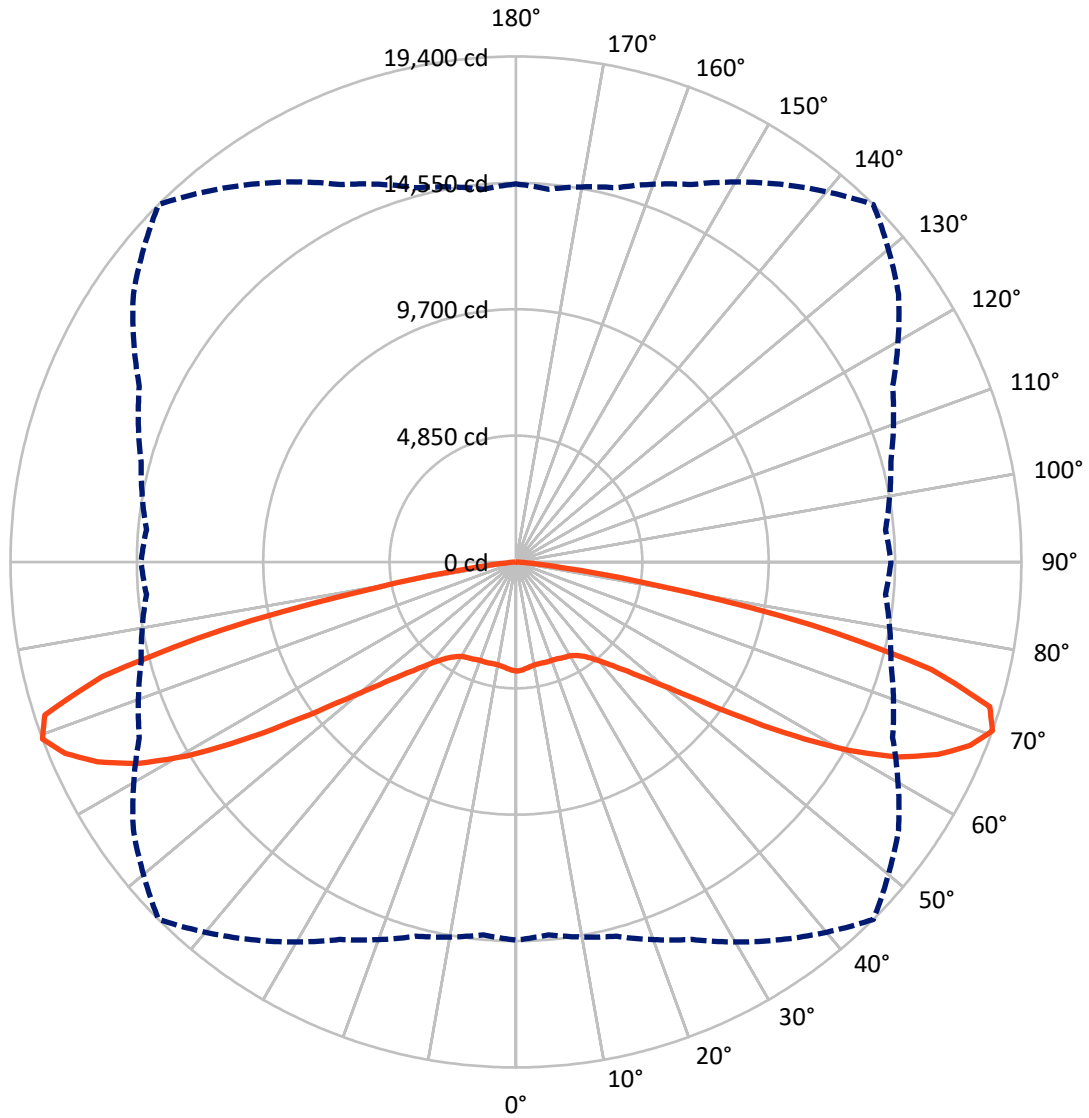
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	22968.5	0.0	22968.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22968.5	0.0	22968.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45937.0	0.0	45937.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.8	0.8
10°-20°	1144.6	2.5
20°-30°	1904.7	4.1
30°-40°	2880.5	6.3
40°-50°	4786.7	10.4
50°-60°	9032.4	19.7
60°-70°	15251.5	33.2
70°-80°	10021.8	21.8
80°-90°	525.0	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°	45937.0	100.0
0°-180°	45937.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P942480

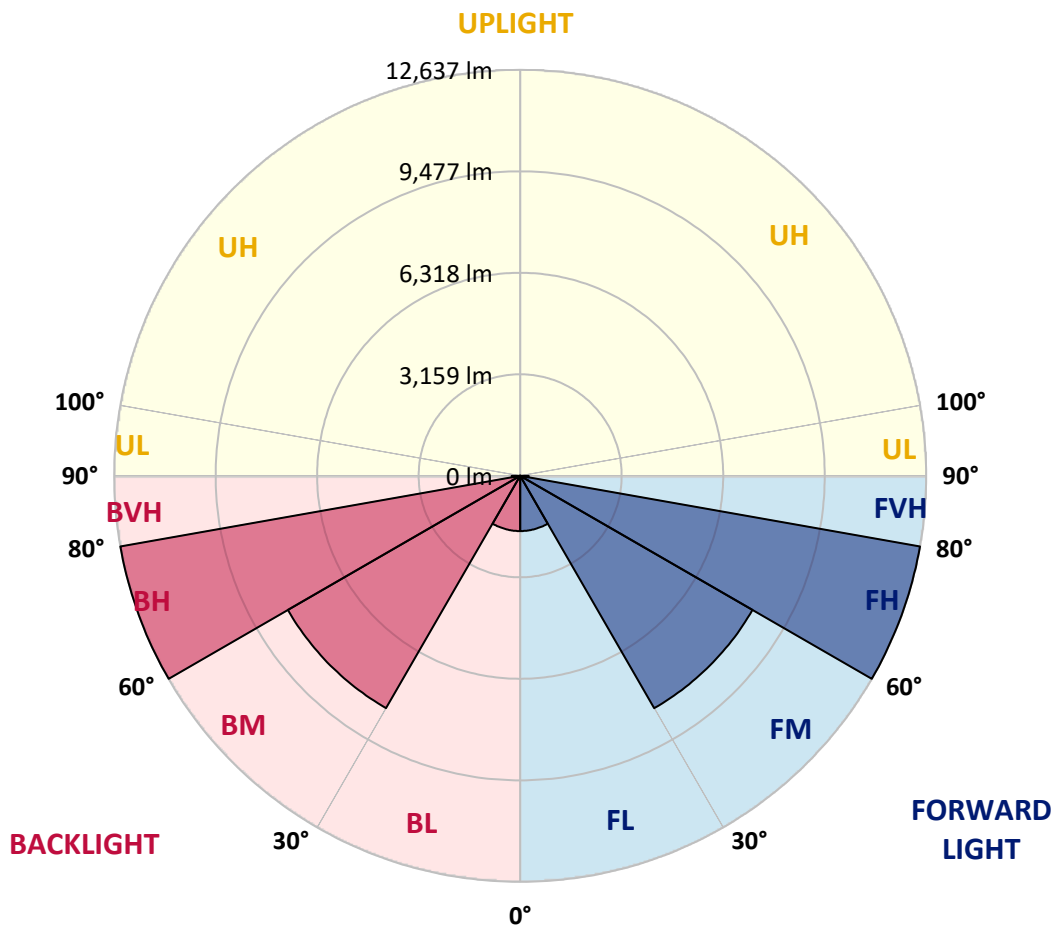
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1719.5	3.7			
FM (30°-60°)	8349.8	18.2			
FH (60°-80°)	12636.7	27.5			G5
FVH (80°-90°)	262.5	0.6			G3/500
BL (0°-30°)	1719.5	3.7	B3/2500		
BM (30°-60°)	8349.8	18.2	B4/8500		
BH (60°-80°)	12636.7	27.5	B5		G5
BVH (80°-90°)	262.5	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°	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4	4190.4
2.5°	4164.1	4176.1	4171.3	4161.7	4161.7	4154.6	4161.7	4166.5	4173.7	4178.4
5°	4109.2	4118.7	4116.4	4109.2	4111.6	4104.4	4109.2	4116.4	4121.1	4123.5
7.5°	4061.4	4071.0	4066.2	4054.3	4054.3	4047.1	4049.5	4056.7	4063.8	4066.2
10°	4049.5	4059.1	4044.7	4025.6	4018.5	4008.9	4011.3	4018.5	4032.8	4040.0
12.5°	4054.3	4061.4	4047.1	4018.5	4011.3	4001.8	4001.8	4008.9	4028.0	4037.6
15°	4068.6	4075.8	4054.3	4023.2	4016.1	4008.9	4006.5	4016.1	4037.6	4054.3
17.5°	4094.9	4102.0	4068.6	4025.6	4016.1	4018.5	4016.1	4023.2	4056.7	4087.7
20°	4118.7	4123.5	4078.2	4025.6	4016.1	4018.5	4016.1	4030.4	4073.4	4116.4
22.5°	4125.9	4130.7	4087.7	4042.3	4035.2	4037.6	4035.2	4049.5	4090.1	4133.1
25°	4128.3	4135.5	4102.0	4066.2	4078.2	4082.9	4078.2	4080.5	4111.6	4149.8
27.5°	4164.1	4173.7	4142.6	4111.6	4118.7	4116.4	4123.5	4130.7	4154.6	4192.8
30°	4238.1	4245.3	4219.0	4188.0	4183.2	4166.5	4188.0	4211.9	4238.1	4271.6
32.5°	4359.9	4374.2	4340.8	4307.4	4285.9	4276.3	4293.0	4333.6	4369.5	4405.3
35°	4562.9	4572.4	4541.4	4479.3	4441.1	4441.1	4455.4	4507.9	4565.2	4610.6
37.5°	4849.4	4861.3	4806.4	4732.4	4675.1	4675.1	4694.2	4749.1	4835.1	4899.5
40°	5198.0	5214.7	5145.5	5069.0	5014.1	5004.6	5028.5	5090.5	5171.7	5252.9
42.5°	5618.2	5637.3	5546.6	5479.7	5436.7	5436.7	5448.7	5506.0	5580.0	5680.3
45°	6155.4	6188.9	6064.7	5997.9	5957.3	5966.8	5974.0	6024.1	6091.0	6205.6
47.5°	6795.3	6828.8	6697.4	6628.2	6621.0	6666.4	6637.8	6673.6	6709.4	6840.7
50°	7521.2	7578.5	7487.8	7483.0	7497.3	7580.9	7514.0	7533.1	7492.5	7576.1
52.5°	8409.4	8493.0	8476.3	8504.9	8664.9	8836.8	8684.0	8617.1	8464.3	8490.6
55°	9486.3	9612.8	9636.7	9808.6	10171.5	10522.5	10197.8	9928.0	9603.3	9543.6
57.5°	10711.1	10811.4	10926.0	11277.0	11955.1	12578.3	11955.1	11358.2	10847.2	10725.5
60°	12029.1	12153.3	12263.1	12781.3	13788.9	14665.1	13769.8	12821.8	12146.1	11981.4
62.5°	13445.0	13605.0	13681.4	14256.8	15431.6	16477.4	15448.3	14299.8	13550.1	13373.4
65°	14803.6	14934.9	15020.9	15634.5	16756.7	17804.9	16833.1	15701.4	14930.2	14698.6
67.5°	15436.4	15508.0	15718.1	16412.9	17597.2	18793.4	17797.8	16486.9	15625.0	15219.1
70°	14509.9	14364.3	14870.5	15983.1	17697.5	19399.9	17926.7	15949.7	14894.4	14235.4
72.5°	11212.5	10961.8	11840.5	13743.5	16551.4	19013.1	16666.0	13850.9	12387.3	11050.2
75°	6100.5	5816.4	7029.3	9436.1	13199.1	16479.8	13502.3	9705.9	7826.8	6055.2
77.5°	1721.5	1614.1	2593.0	4565.2	7939.0	11570.7	8244.7	4665.5	3075.3	1824.2
80°	527.7	511.0	692.4	1375.3	3371.4	5541.8	3240.1	1392.0	881.1	556.3
82.5°	312.8	286.5	343.8	501.4	859.6	1740.6	835.7	522.9	420.2	281.7
85°	179.1	167.1	203.0	243.5	288.9	370.1	241.2	248.3	224.4	150.4
87.5°	74.0	66.9	78.8	76.4	66.9	86.0	64.5	76.4	90.7	59.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4190.4
4176.1
4123.5
4066.2
4040.0
4040.0
4056.7
4087.7
4118.7
4133.1
4147.4
4183.2
4264.4
4390.9
4593.9
4875.6
5226.6
5673.1
6200.8
6802.5
7526.0
8402.2
9450.4
10639.5
11838.1
13230.1
14584.0
15223.9
14392.9
11382.1
6449.1
2027.1
587.4
305.6
157.6
54.9
0.0

OF REPORT)