

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: P952055

Luminaire Tested: **GALN-SB6A-740-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6A-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

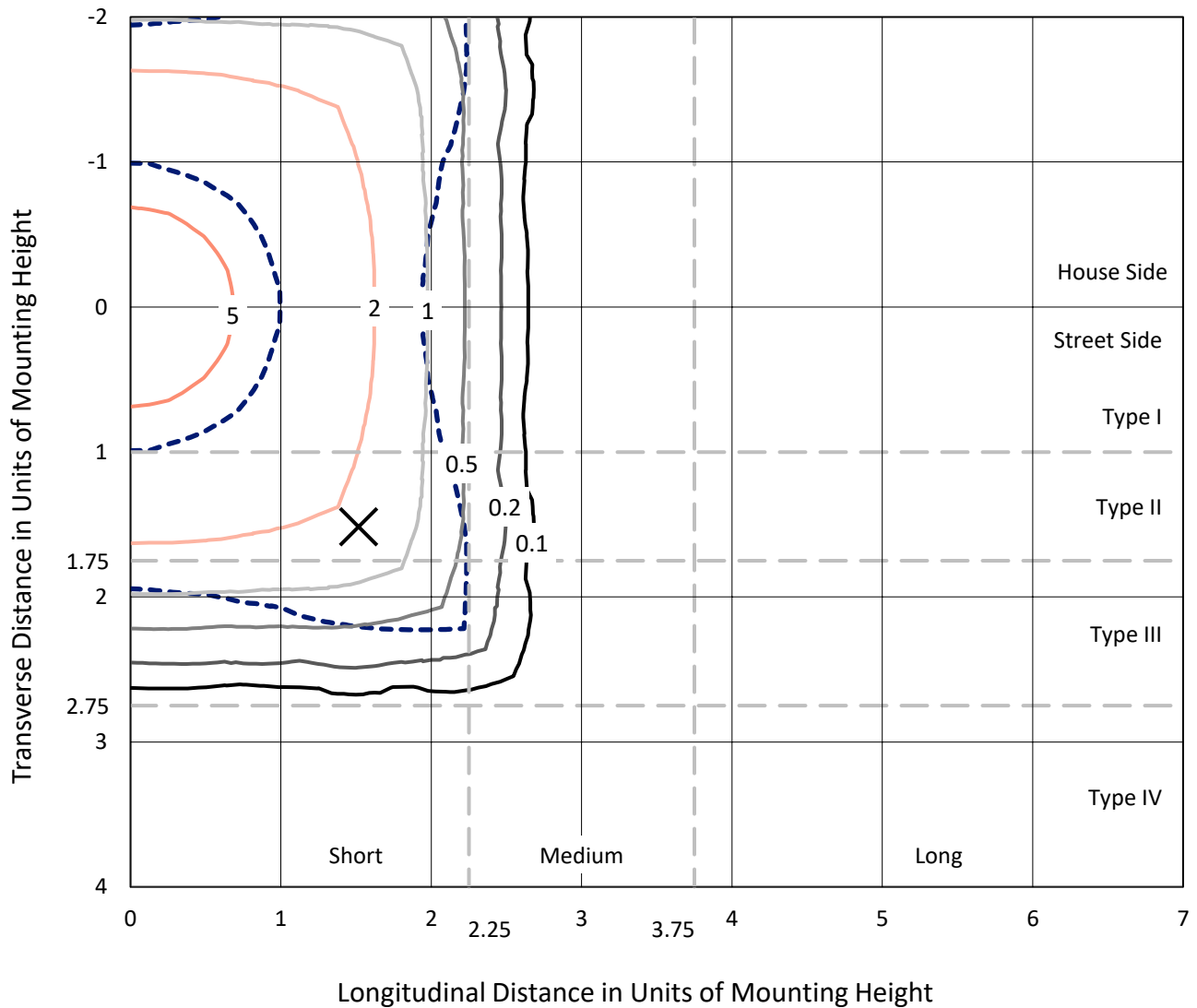
Lumens per Lamp: N/A  
Luminaire Lumens: 30157 lumens  
Efficiency: N/A  
Efficacy: 176.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

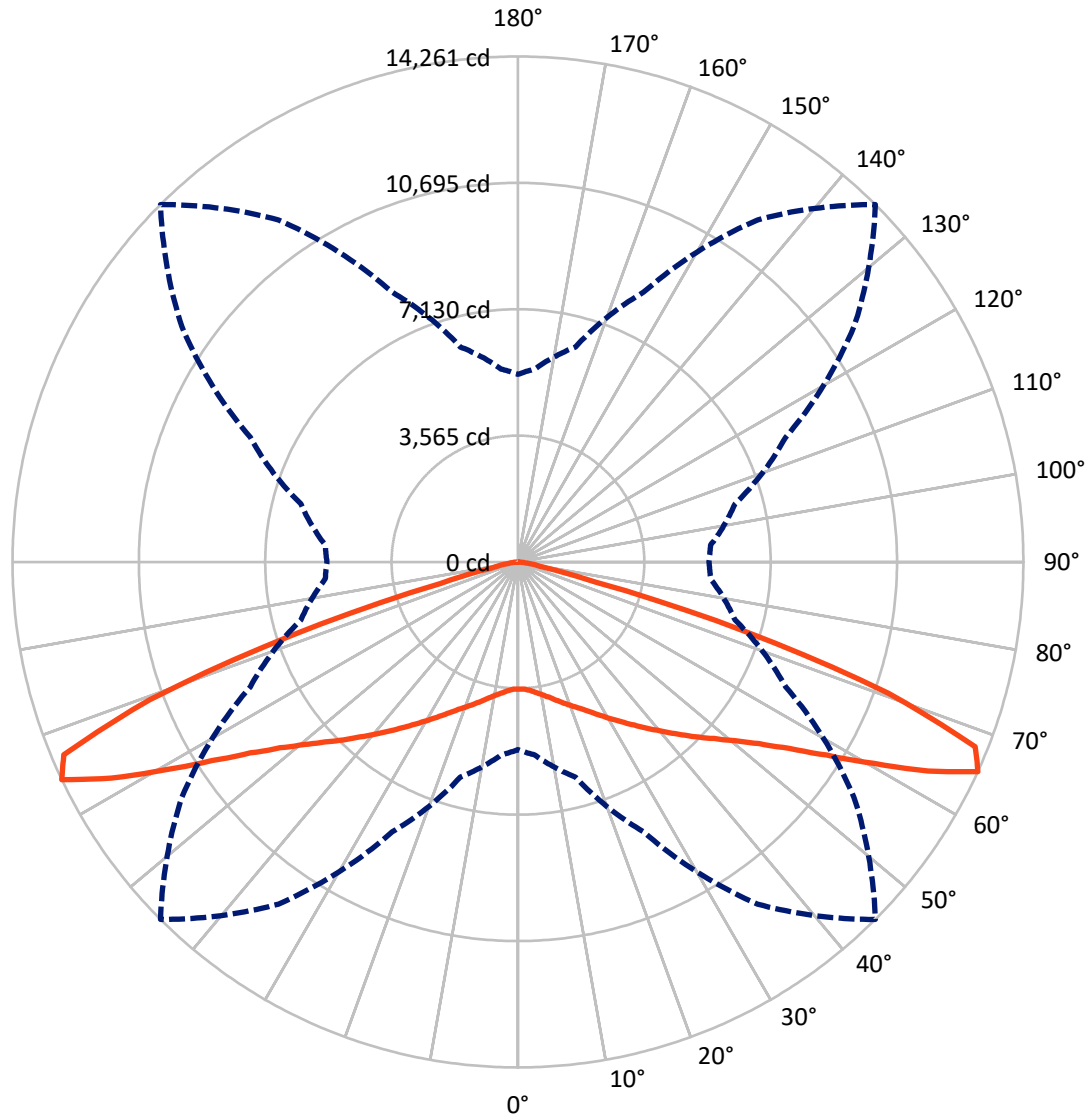
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15078.5	0.0	15078.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15078.5	0.0	15078.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30157.0	0.0	30157.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.2	1.2
10°-20°	1155.8	3.8
20°-30°	2182.2	7.2
30°-40°	3573.3	11.8
40°-50°	5540.5	18.4
50°-60°	8184.5	27.1
60°-70°	7790.8	25.8
70°-80°	1257.2	4.2
80°-90°	118.5	0.4
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°	30157.0	100.0
0°-180°	30157.0	100.0



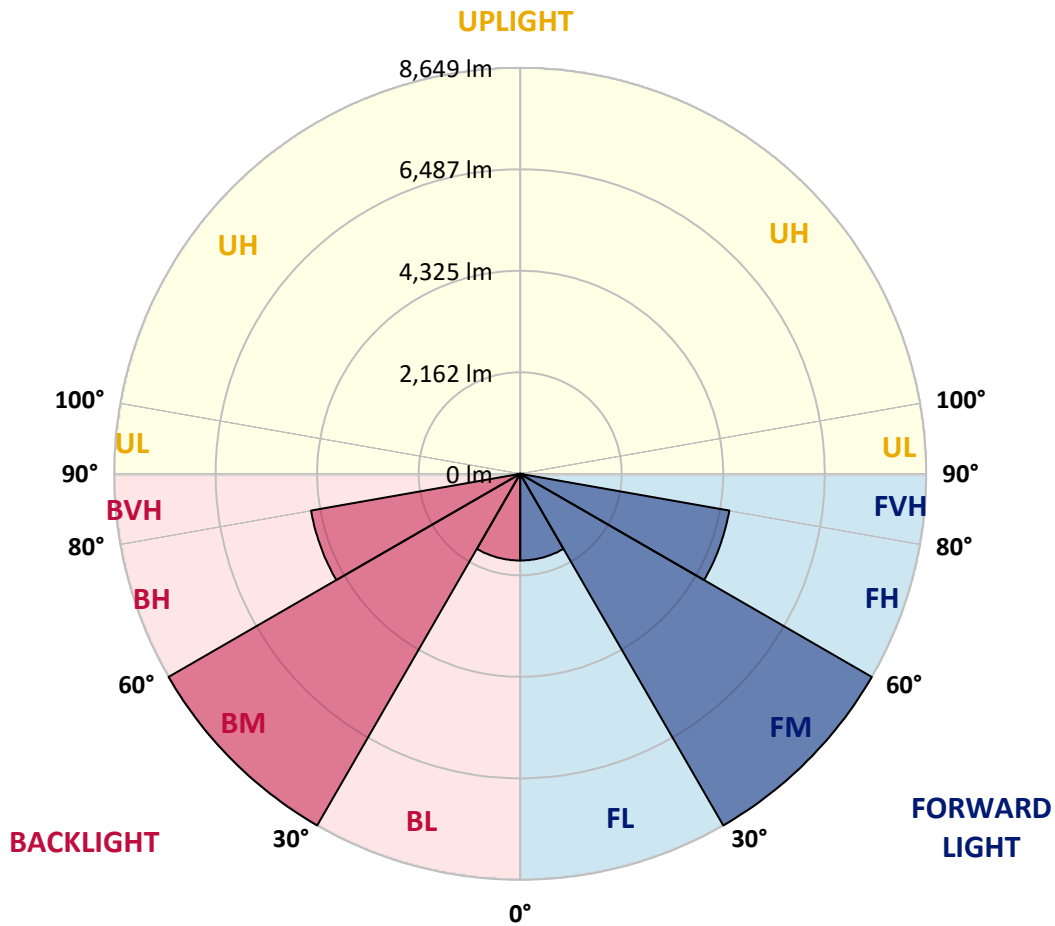
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.1	6.1			
FM (30°-60°)	8649.1	28.7			
FH (60°-80°)	4524.0	15.0			G2/5000
FVH (80°-90°)	59.3	0.2			G1/100
BL (0°-30°)	1846.1	6.1	B3/2500		
BM (30°-60°)	8649.1	28.7	B5		
BH (60°-80°)	4524.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	59.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0	3589.0
2.5°	3613.2	3601.1	3610.2	3602.6	3596.5	3590.5	3593.5	3604.1	3608.7	3610.2
5°	3661.6	3651.0	3655.6	3655.6	3645.0	3641.9	3643.5	3651.0	3660.1	3660.1
7.5°	3740.3	3729.7	3740.3	3734.2	3725.2	3722.1	3720.6	3726.7	3740.3	3740.3
10°	3835.6	3823.5	3829.6	3826.5	3815.9	3811.4	3809.9	3819.0	3831.1	3829.6
12.5°	3940.0	3926.4	3934.0	3924.9	3921.9	3917.3	3917.3	3915.8	3923.4	3917.3
15°	4056.5	4047.4	4050.5	4044.4	4049.0	4045.9	4033.8	4027.8	4030.8	4021.7
17.5°	4194.2	4173.0	4183.6	4180.6	4180.6	4186.6	4167.0	4159.4	4165.5	4156.4
20°	4353.1	4331.9	4336.4	4330.4	4322.8	4328.9	4304.7	4310.7	4315.3	4309.2
22.5°	4527.1	4499.8	4498.3	4501.4	4484.7	4486.2	4469.6	4484.7	4493.8	4477.2
25°	4705.6	4676.9	4696.5	4689.0	4667.8	4672.3	4660.2	4675.4	4682.9	4661.7
27.5°	4894.8	4875.1	4893.2	4897.8	4872.1	4890.2	4872.1	4885.7	4893.2	4861.5
30°	5115.7	5096.0	5112.6	5124.7	5094.5	5123.2	5108.1	5117.2	5118.7	5080.9
32.5°	5356.2	5326.0	5368.3	5374.4	5341.1	5375.9	5356.2	5368.3	5375.9	5324.5
35°	5649.8	5611.9	5660.4	5652.8	5624.1	5652.8	5634.6	5652.8	5671.0	5608.9
37.5°	5966.0	5926.7	5978.1	5964.5	5937.3	5956.9	5946.3	5958.4	5987.2	5920.6
40°	6314.0	6265.6	6335.2	6311.0	6285.3	6282.2	6288.3	6295.9	6333.7	6259.5
42.5°	6686.2	6634.8	6739.2	6701.4	6665.0	6640.8	6660.5	6675.6	6711.9	6628.7
45°	7111.4	7052.4	7188.6	7143.2	7085.7	7035.7	7067.5	7090.2	7143.2	7043.3
47.5°	7580.4	7513.9	7659.1	7645.5	7551.7	7442.8	7515.4	7580.4	7619.8	7498.7
50°	8038.9	7987.5	8178.1	8194.7	8079.8	7926.9	8028.3	8126.7	8137.3	7978.4
52.5°	8468.6	8417.2	8694.1	8798.5	8695.6	8514.0	8621.4	8721.3	8641.1	8435.3
55°	8812.1	8769.7	9122.3	9391.6	9426.4	9276.6	9340.1	9337.1	9073.8	8757.6
57.5°	8895.3	8889.2	9334.1	9904.5	10267.6	10285.8	10160.2	9839.4	9272.0	8846.9
60°	8517.0	8554.9	9166.1	10172.3	11140.7	11543.2	11000.0	10084.6	9046.6	8456.5
62.5°	7385.3	7485.1	8222.0	9845.5	11845.8	12989.6	11673.3	9712.3	8120.6	7350.5
65°	5292.7	5466.7	6280.7	8402.0	11782.2	14260.6	11576.4	8333.9	6341.2	5453.1
67.5°	2401.2	2578.3	3269.7	5752.7	10241.9	13915.6	10217.7	5813.2	3433.1	2587.3
70°	870.0	900.3	1122.7	2302.9	6545.5	11087.7	6825.4	2319.5	1193.8	959.3
72.5°	526.5	531.1	578.0	824.6	2274.1	6731.6	2371.0	851.9	590.1	523.5
75°	334.4	331.4	411.6	503.8	806.5	2271.1	845.8	503.8	410.0	373.7
77.5°	240.6	248.1	295.0	376.8	508.4	770.1	499.3	360.1	295.0	242.1
80°	180.1	184.6	214.9	293.5	357.1	479.6	317.7	266.3	222.4	151.3
82.5°	130.1	130.1	140.7	213.3	217.9	258.7	172.5	187.6	146.8	107.4
85°	77.2	75.7	87.8	127.1	113.5	95.3	78.7	115.0	92.3	66.6
87.5°	27.2	28.7	27.2	36.3	30.3	25.7	24.2	31.8	25.7	22.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3589.0
3610.2
3660.1
3735.8
3826.5
3920.3
4023.2
4163.9
4322.8
4493.8
4686.0
4885.7
5103.6
5359.3
5646.7
5961.5
6283.7
6672.6
7094.8
7539.6
7998.0
8441.4
8768.2
8819.6
8386.9
7305.1
5388.0
2549.5
947.2
532.6
376.8
246.6
155.8
107.4
65.1
21.2
0.0

OF REPORT)