

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: P954071

Luminaire Tested: **GALN-SB7B-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954071  
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-SB7B-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

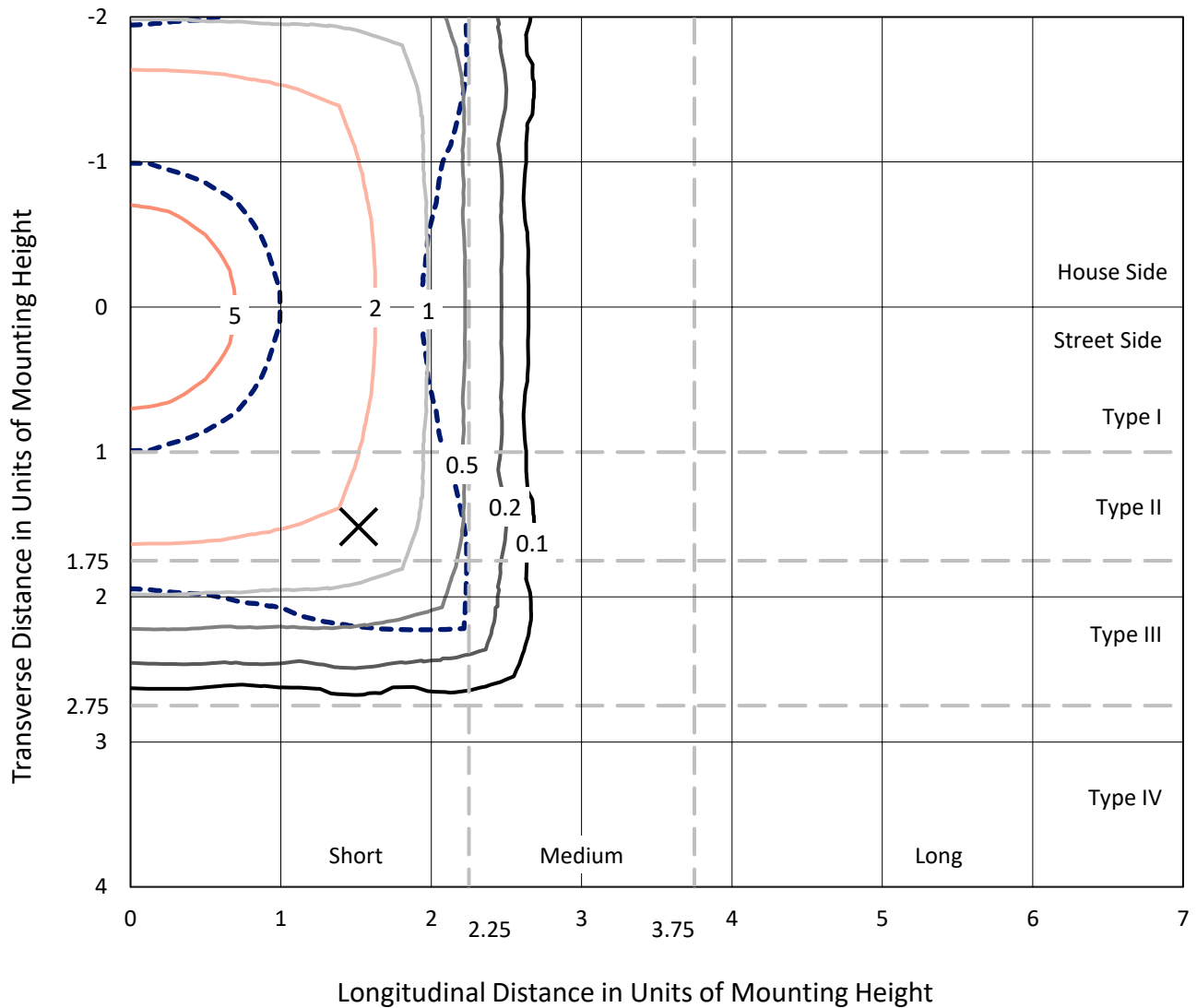
Lumens per Lamp: N/A  
Luminaire Lumens: 30409 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

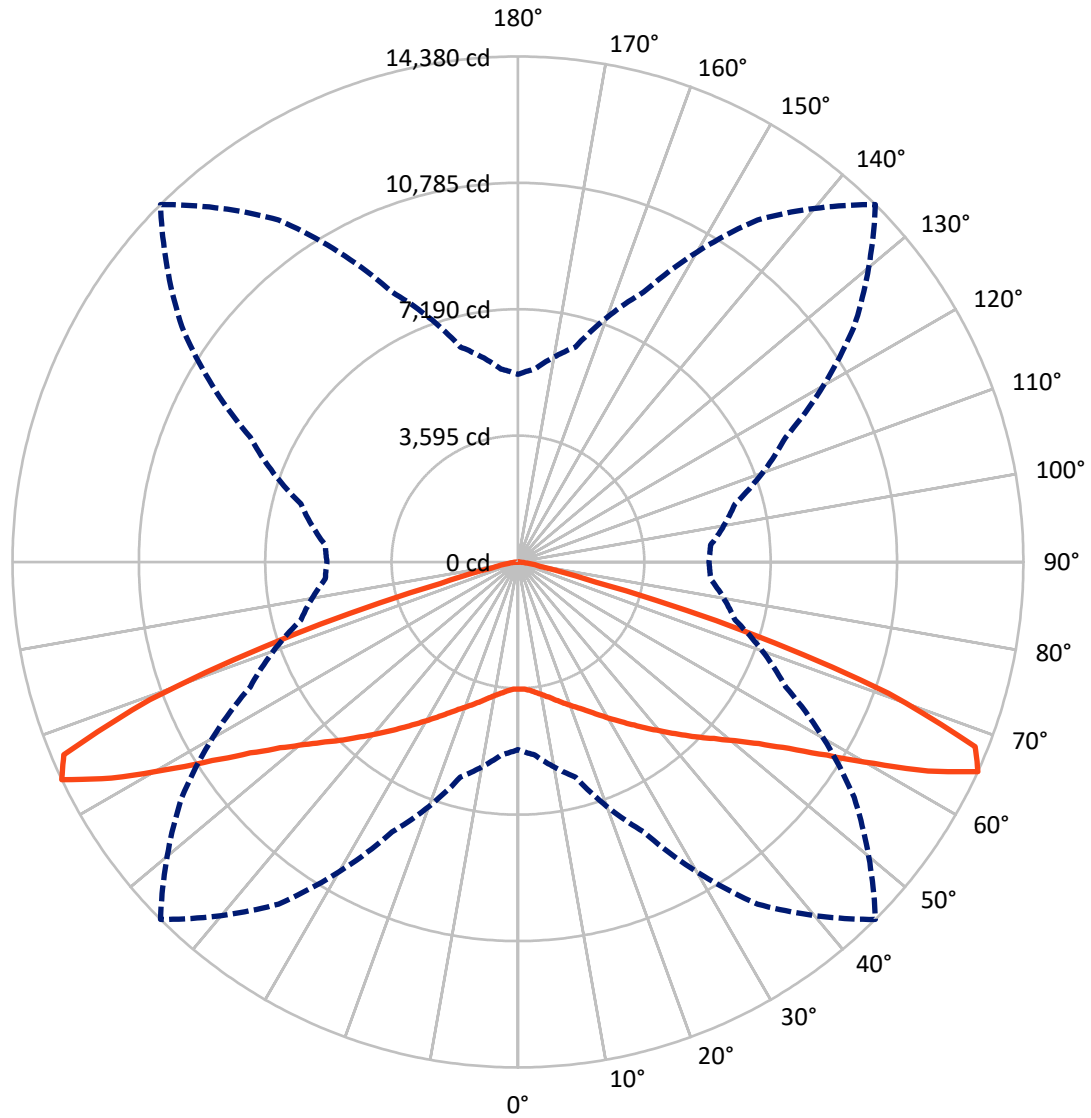
✕ Max cd  
 - - - 1/2 Max cd



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	15204.5	0.0	15204.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15204.5	0.0	15204.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30409.0	0.0	30409.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.2	1.2
10°-20°	1165.4	3.8
20°-30°	2200.5	7.2
30°-40°	3603.2	11.8
40°-50°	5586.8	18.4
50°-60°	8252.9	27.1
60°-70°	7856.0	25.8
70°-80°	1267.7	4.2
80°-90°	119.5	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°	30409.0	100.0
0°-180°	30409.0	100.0

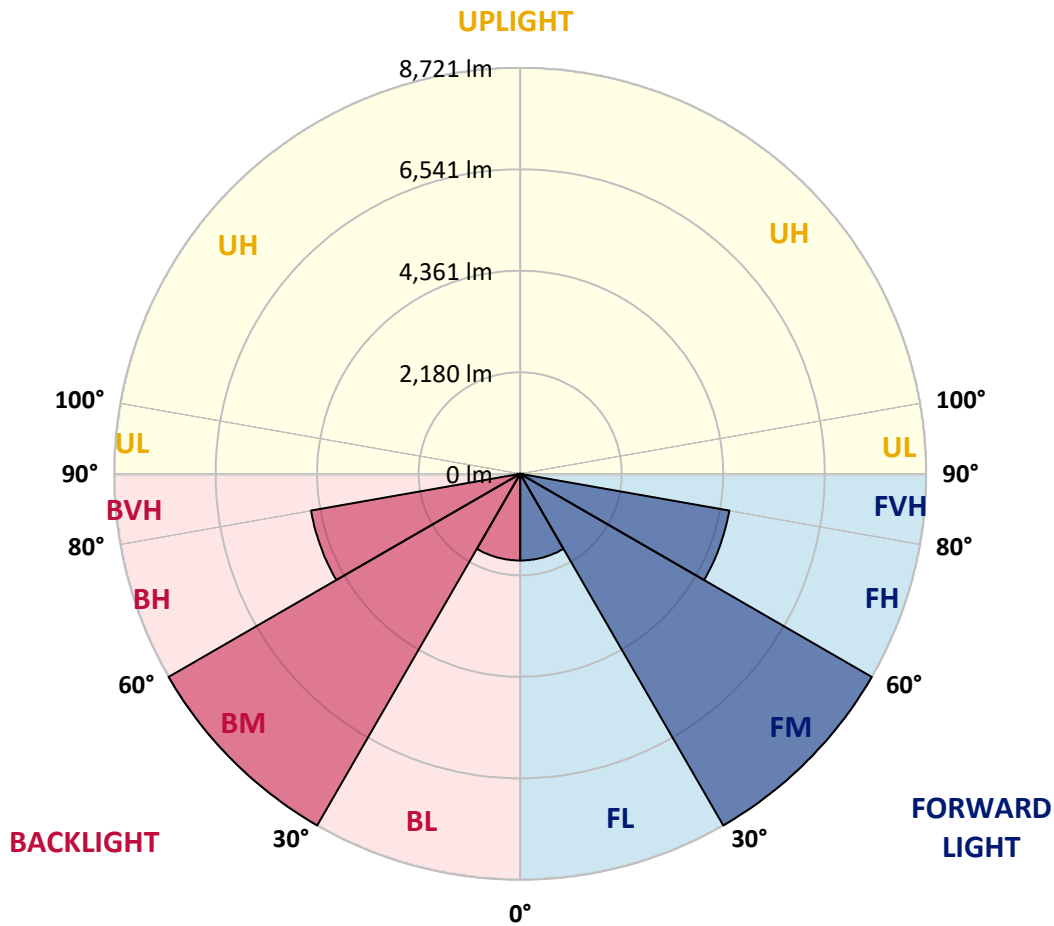


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1861.5	6.1			
FM (30°-60°)	8721.4	28.7			
FH (60°-80°)	4561.8	15.0			G2/5000
FVH (80°-90°)	59.7	0.2			G1/100
BL (0°-30°)	1861.5	6.1	B3/2500		
BM (30°-60°)	8721.4	28.7	B5		
BH (60°-80°)	4561.8	15.0	B4/5000		G2/5000
BVH (80°-90°)	59.7	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°	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0	3619.0
2.5°	3643.4	3631.2	3640.3	3632.7	3626.6	3620.5	3623.6	3634.2	3638.8	3640.3
5°	3692.2	3681.5	3686.1	3686.1	3675.4	3672.4	3673.9	3681.5	3690.7	3690.7
7.5°	3771.5	3760.9	3771.5	3765.4	3756.3	3753.2	3751.7	3757.8	3771.5	3771.5
10°	3867.7	3855.5	3861.6	3858.5	3847.8	3843.3	3841.7	3850.9	3863.1	3861.6
12.5°	3972.9	3959.2	3966.8	3957.7	3954.6	3950.1	3950.1	3948.5	3956.2	3950.1
15°	4090.4	4081.3	4084.3	4078.2	4082.8	4079.7	4067.5	4061.4	4064.5	4055.3
17.5°	4229.3	4207.9	4218.6	4215.5	4215.5	4221.6	4201.8	4194.2	4200.3	4191.1
20°	4389.5	4368.1	4372.7	4366.6	4358.9	4365.0	4340.6	4346.7	4351.3	4345.2
22.5°	4564.9	4537.5	4535.9	4539.0	4522.2	4523.7	4506.9	4522.2	4531.3	4514.6
25°	4744.9	4716.0	4735.8	4728.2	4706.8	4711.4	4699.2	4714.4	4722.1	4700.7
27.5°	4935.7	4915.8	4934.1	4938.7	4912.8	4931.1	4912.8	4926.5	4934.1	4902.1
30°	5158.4	5138.6	5155.4	5167.6	5137.1	5166.0	5150.8	5159.9	5161.5	5123.3
32.5°	5401.0	5370.5	5413.2	5419.3	5385.7	5420.8	5401.0	5413.2	5420.8	5369.0
35°	5697.0	5658.8	5707.7	5700.0	5671.0	5700.0	5681.7	5700.0	5718.3	5655.8
37.5°	6015.9	5976.2	6028.1	6014.3	5986.9	6006.7	5996.0	6008.2	6037.2	5970.1
40°	6366.8	6317.9	6388.1	6363.7	6337.8	6334.7	6340.8	6348.5	6386.6	6311.8
42.5°	6742.1	6690.2	6795.5	6757.4	6720.7	6696.3	6716.2	6731.4	6768.0	6684.1
45°	7170.8	7111.3	7248.6	7202.9	7144.9	7094.5	7126.6	7149.5	7202.9	7102.2
47.5°	7643.8	7576.7	7723.1	7709.4	7614.8	7504.9	7578.2	7643.8	7683.5	7561.4
50°	8106.1	8054.2	8246.4	8263.2	8147.3	7993.2	8095.4	8194.6	8205.2	8045.0
52.5°	8539.4	8487.5	8766.7	8872.0	8768.2	8585.1	8693.5	8794.2	8713.3	8505.8
55°	8885.7	8843.0	9198.5	9470.1	9505.1	9354.1	9418.2	9415.1	9149.7	8830.8
57.5°	8969.6	8963.5	9412.1	9987.3	10353.4	10371.8	10245.1	9921.7	9349.5	8920.8
60°	8588.2	8626.3	9242.7	10257.3	11233.8	11639.6	11091.9	10168.8	9122.2	8527.2
62.5°	7447.0	7547.7	8290.7	9927.8	11944.8	13098.2	11770.8	9793.5	8188.5	7411.9
65°	5336.9	5512.4	6333.2	8472.2	11880.7	14379.8	11673.2	8403.6	6394.2	5498.6
67.5°	2421.3	2599.8	3297.1	5800.7	10327.5	14031.9	10303.1	5861.8	3461.8	2609.0
70°	877.3	907.8	1132.1	2322.1	6600.2	11180.4	6882.5	2338.9	1203.8	967.3
72.5°	530.9	535.5	582.8	831.5	2293.1	6787.9	2390.8	859.0	595.0	527.9
75°	337.2	334.1	415.0	508.1	813.2	2290.1	852.9	508.1	413.5	376.8
77.5°	242.6	250.2	297.5	379.9	512.6	776.6	503.5	363.1	297.5	244.1
80°	181.6	186.1	216.7	296.0	360.1	483.6	320.4	268.5	224.3	152.6
82.5°	131.2	131.2	141.9	215.1	219.7	260.9	173.9	189.2	148.0	108.3
85°	77.8	76.3	88.5	128.2	114.4	96.1	79.3	116.0	93.1	67.1
87.5°	27.5	29.0	27.5	36.6	30.5	25.9	24.4	32.0	25.9	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3619.0
3640.3
3690.7
3767.0
3858.5
3953.1
4056.9
4198.7
4358.9
4531.3
4725.1
4926.5
5146.2
5404.1
5693.9
6011.3
6336.3
6728.4
7154.0
7602.6
8064.9
8511.9
8841.5
8893.3
8457.0
7366.1
5433.0
2570.8
955.1
537.0
379.9
248.7
157.1
108.3
65.6
21.4
0.0

OF REPORT)