

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: P955499

Luminaire Tested: **GALN-SB8B-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955499  
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-SB8B-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

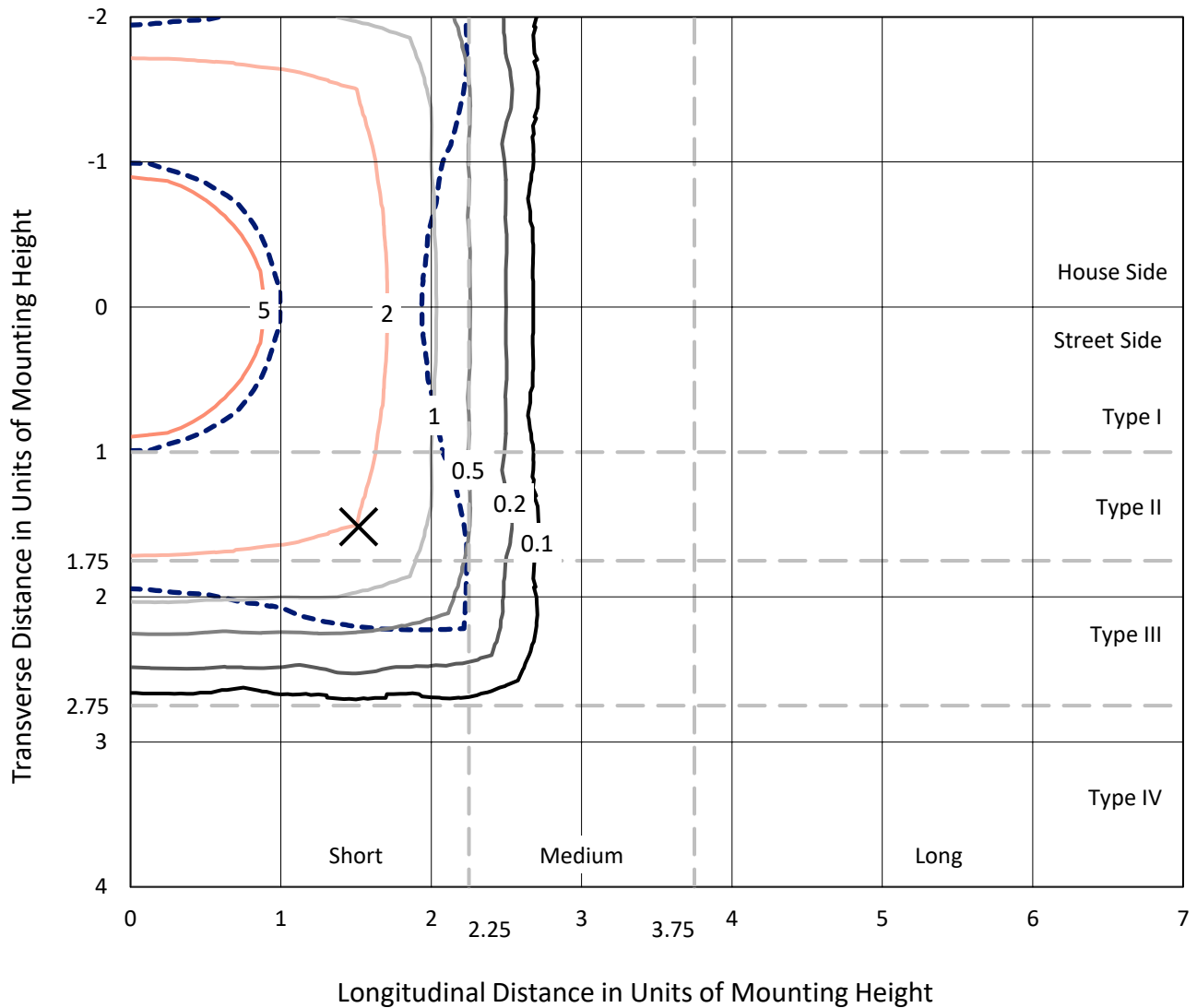
Lumens per Lamp: N/A  
Luminaire Lumens: 34575 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

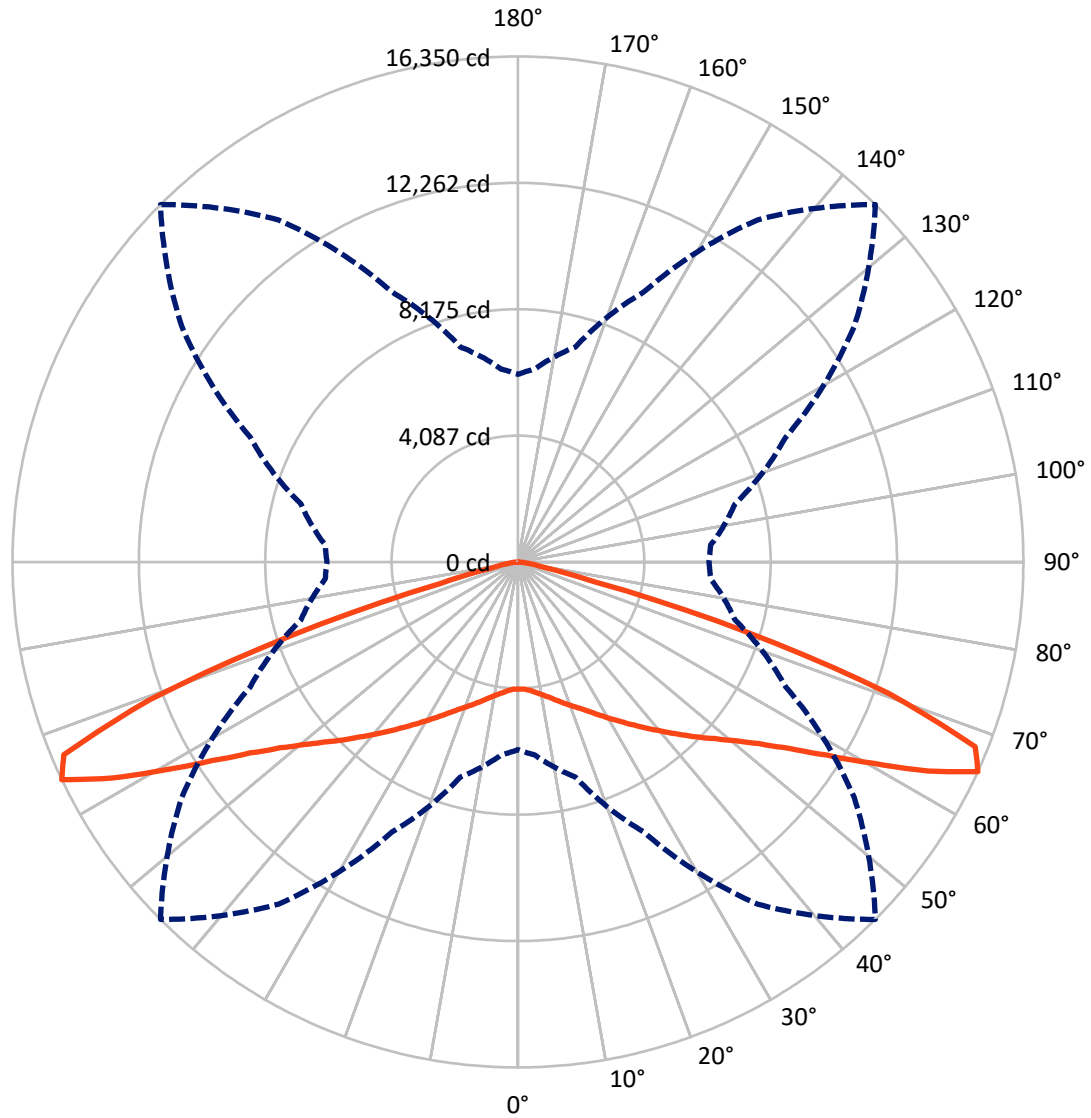
✕ Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17287.5	0.0	17287.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17287.5	0.0	17287.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34575.0	0.0	34575.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	406.1	1.2
10°-20°	1325.1	3.8
20°-30°	2501.9	7.2
30°-40°	4096.8	11.8
40°-50°	6352.2	18.4
50°-60°	9383.5	27.1
60°-70°	8932.2	25.8
70°-80°	1441.3	4.2
80°-90°	135.9	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°	34575.0	100.0
0°-180°	34575.0	100.0

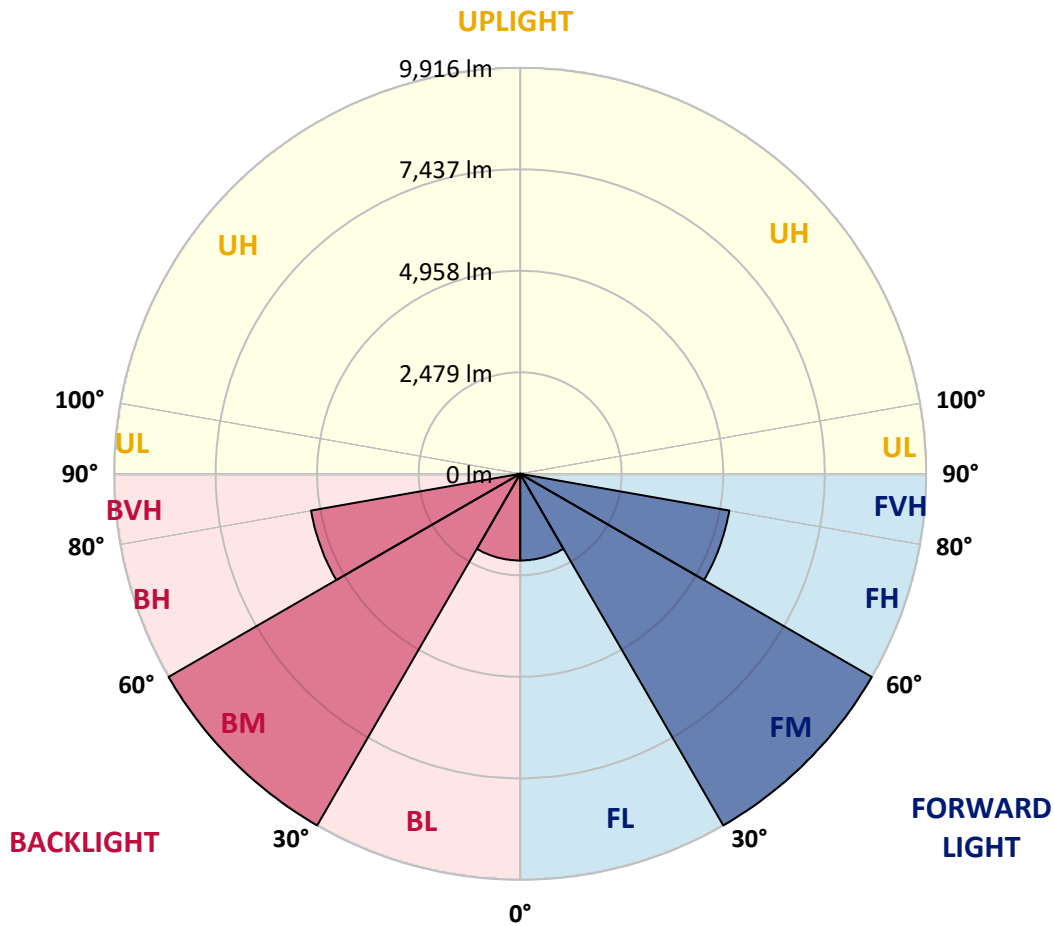


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2116.6	6.1			
FM (30°-60°)	9916.2	28.7			
FH (60°-80°)	5186.8	15.0			G3/7500
FVH (80°-90°)	67.9	0.2			G1/100
BL (0°-30°)	2116.6	6.1	B3/2500		
BM (30°-60°)	9916.2	28.7	B5		
BH (60°-80°)	5186.8	15.0	B5		G3/7500
BVH (80°-90°)	67.9	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-G3**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4114.8	4114.8	4114.8	4114.8	4114.8	4114.8	4114.8	4114.8	4114.8	4114.8
2.5°	4142.5	4128.6	4139.1	4130.4	4123.4	4116.5	4120.0	4132.1	4137.3	4139.1
5°	4198.0	4185.9	4191.1	4191.1	4179.0	4175.5	4177.2	4185.9	4196.3	4196.3
7.5°	4288.2	4276.1	4288.2	4281.3	4270.9	4267.4	4265.7	4272.6	4288.2	4288.2
10°	4397.5	4383.7	4390.6	4387.1	4375.0	4369.8	4368.0	4378.4	4392.3	4390.6
12.5°	4517.2	4501.6	4510.3	4499.9	4496.4	4491.2	4491.2	4489.5	4498.1	4491.2
15°	4650.8	4640.4	4643.9	4636.9	4642.1	4638.7	4624.8	4617.8	4621.3	4610.9
17.5°	4808.7	4784.4	4796.5	4793.0	4793.0	4800.0	4777.4	4768.8	4775.7	4765.3
20°	4990.8	4966.5	4971.7	4964.8	4956.1	4963.1	4935.3	4942.2	4947.4	4940.5
22.5°	5190.3	5159.1	5157.3	5160.8	5141.7	5143.5	5124.4	5141.7	5152.1	5133.1
25°	5395.0	5362.0	5384.6	5375.9	5351.6	5356.8	5343.0	5360.3	5369.0	5344.7
27.5°	5611.8	5589.3	5610.1	5615.3	5585.8	5606.6	5585.8	5601.4	5610.1	5573.7
30°	5865.1	5842.6	5861.6	5875.5	5840.8	5873.8	5856.4	5866.8	5868.6	5825.2
32.5°	6140.9	6106.2	6154.8	6161.7	6123.6	6163.5	6140.9	6154.8	6163.5	6104.5
35°	6477.5	6434.1	6489.6	6480.9	6448.0	6480.9	6460.1	6480.9	6501.8	6430.6
37.5°	6840.0	6794.9	6853.9	6838.3	6807.1	6829.6	6817.5	6831.4	6864.3	6788.0
40°	7239.0	7183.5	7263.3	7235.5	7206.1	7202.6	7209.5	7218.2	7261.6	7176.6
42.5°	7665.8	7606.8	7726.5	7683.1	7641.5	7613.7	7636.3	7653.6	7695.2	7599.8
45°	8153.2	8085.6	8241.7	8189.6	8123.7	8066.5	8102.9	8128.9	8189.6	8075.2
47.5°	8691.0	8614.7	8781.2	8765.6	8658.0	8533.1	8616.4	8691.0	8736.1	8597.3
50°	9216.6	9157.6	9376.2	9395.3	9263.4	9088.2	9204.5	9317.2	9329.4	9147.2
52.5°	9709.3	9650.3	9967.7	10087.4	9969.5	9761.3	9884.5	9999.0	9907.0	9671.1
55°	10103.0	10054.5	10458.7	10767.4	10807.3	10635.6	10708.5	10705.0	10403.2	10040.6
57.5°	10198.5	10191.5	10701.5	11355.5	11771.9	11792.7	11648.7	11280.9	10630.4	10142.9
60°	9764.8	9808.1	10509.0	11662.6	12772.8	13234.2	12611.5	11562.0	10371.9	9695.4
62.5°	8467.2	8581.7	9426.5	11287.9	13581.2	14892.6	13383.4	11135.2	9310.3	8427.3
65°	6068.1	6267.6	7200.8	9632.9	13508.3	16349.8	13272.4	9554.9	7270.2	6252.0
67.5°	2753.0	2956.0	3748.7	6595.4	11742.4	15954.3	11714.6	6664.8	3936.1	2966.4
70°	997.5	1032.2	1287.2	2640.3	7504.4	12712.1	7825.4	2659.3	1368.7	1099.8
72.5°	603.7	608.9	662.7	945.4	2607.3	7717.8	2718.3	976.7	676.5	600.2
75°	383.4	379.9	471.8	577.7	924.6	2603.8	969.7	577.7	470.1	428.5
77.5°	275.8	284.5	338.3	431.9	582.9	883.0	572.5	412.9	338.3	277.6
80°	206.4	211.6	246.3	336.5	409.4	549.9	364.3	305.3	255.0	173.5
82.5°	149.2	149.2	161.3	244.6	249.8	296.6	197.8	215.1	168.3	123.2
85°	88.5	86.7	100.6	145.7	130.1	109.3	90.2	131.8	105.8	76.3
87.5°	31.2	33.0	31.2	41.6	34.7	29.5	27.8	36.4	29.5	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4114.8
4139.1
4196.3
4283.0
4387.1
4494.7
4612.6
4774.0
4956.1
5152.1
5372.4
5601.4
5851.2
6144.4
6474.0
6834.8
7204.3
7650.1
8134.1
8644.1
9169.8
9678.0
10052.7
10111.7
9615.6
8375.3
6177.4
2923.0
1085.9
610.6
431.9
282.8
178.7
123.2
74.6
24.3
0.0

OF REPORT)