

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: P953000

Luminaire Tested: **GALN-SB6C-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953000  
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-SB6C-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

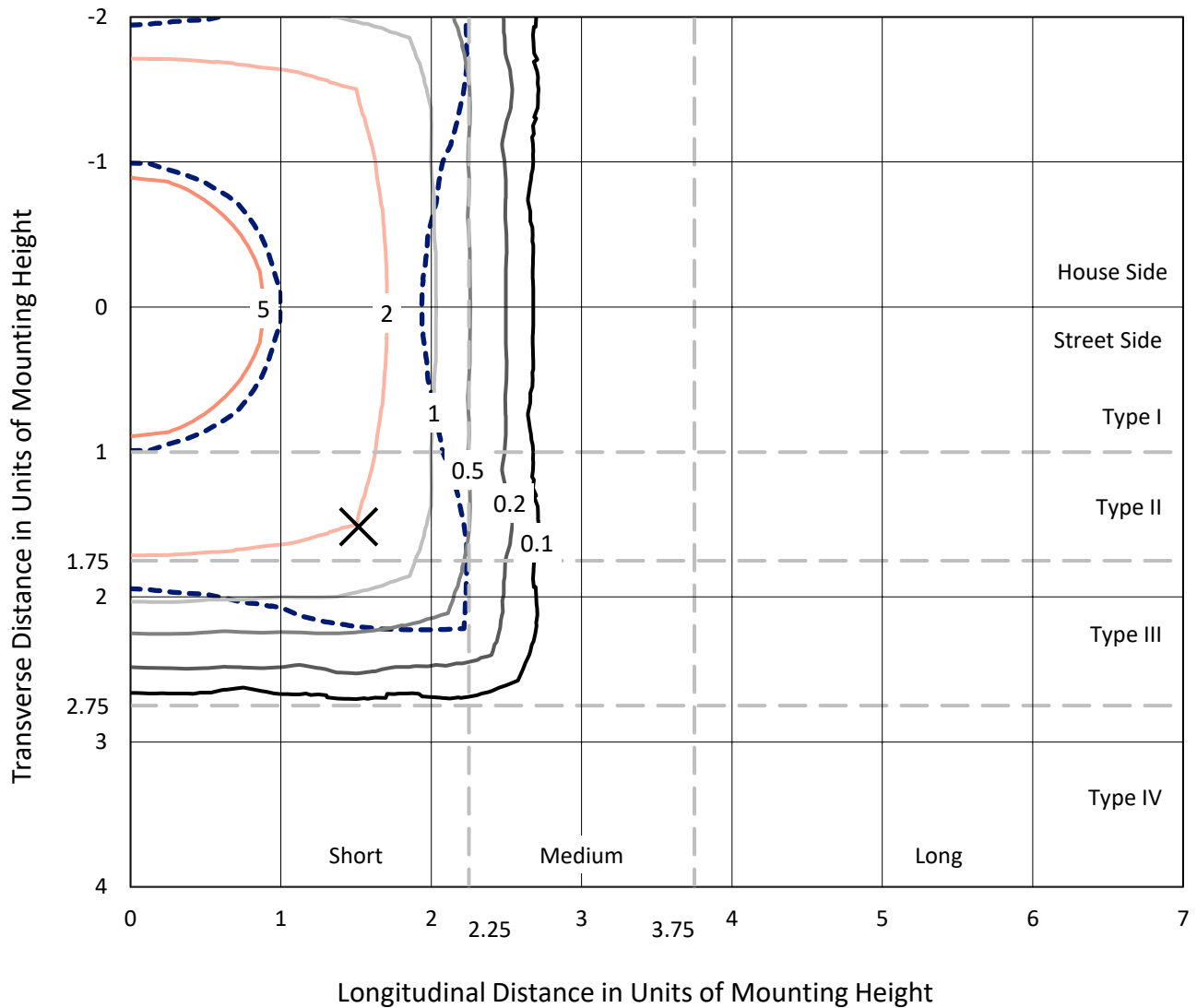
Lumens per Lamp: N/A  
Luminaire Lumens: 34485 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

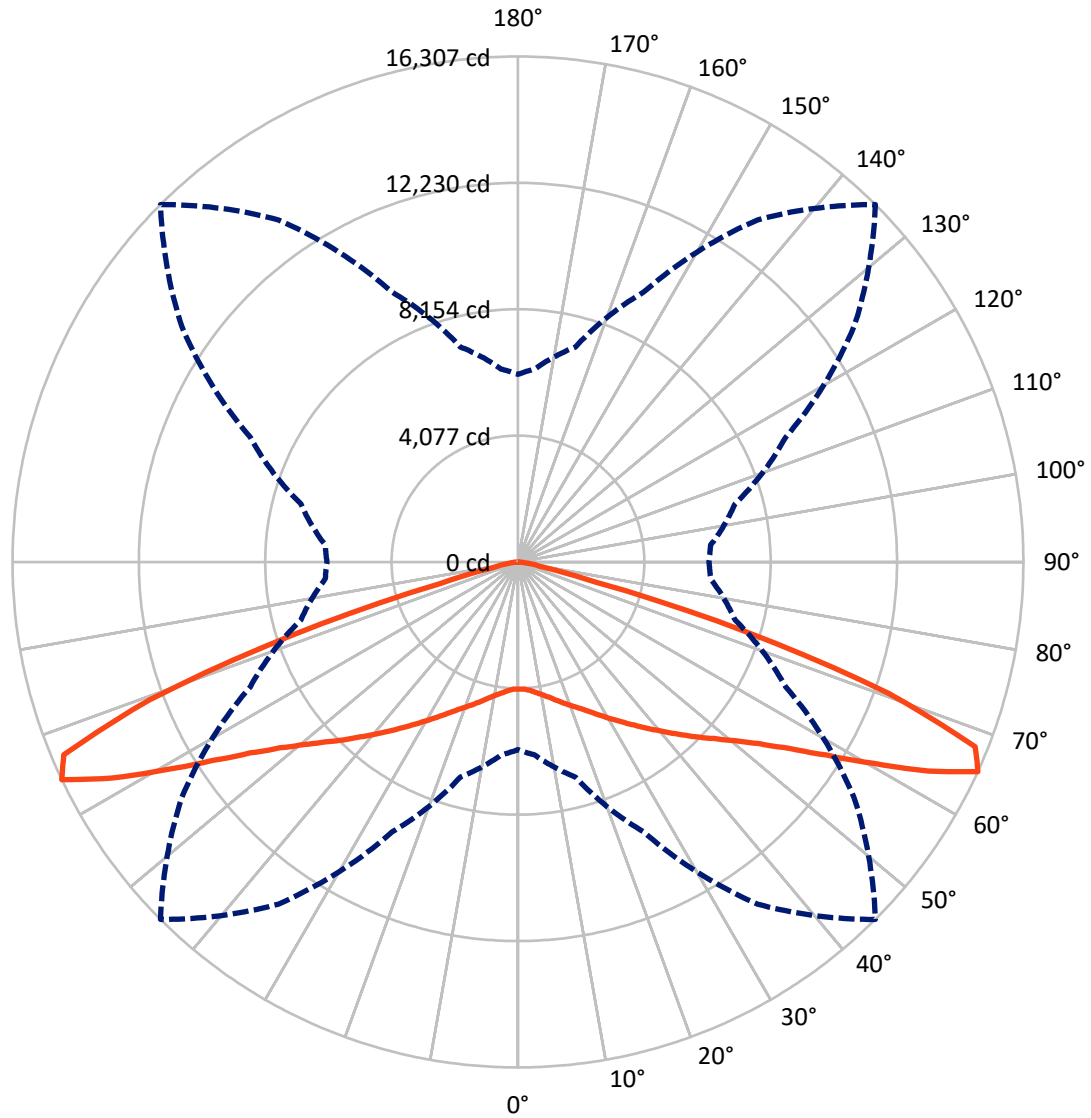
✕ Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17242.5	0.0	17242.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17242.5	0.0	17242.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34485.0	0.0	34485.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.0	1.2
10°-20°	1321.6	3.8
20°-30°	2495.4	7.2
30°-40°	4086.2	11.8
40°-50°	6335.6	18.4
50°-60°	9359.1	27.1
60°-70°	8909.0	25.8
70°-80°	1437.6	4.2
80°-90°	135.5	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°	34485.0	100.0
0°-180°	34485.0	100.0

**Coefficient of Utilization**



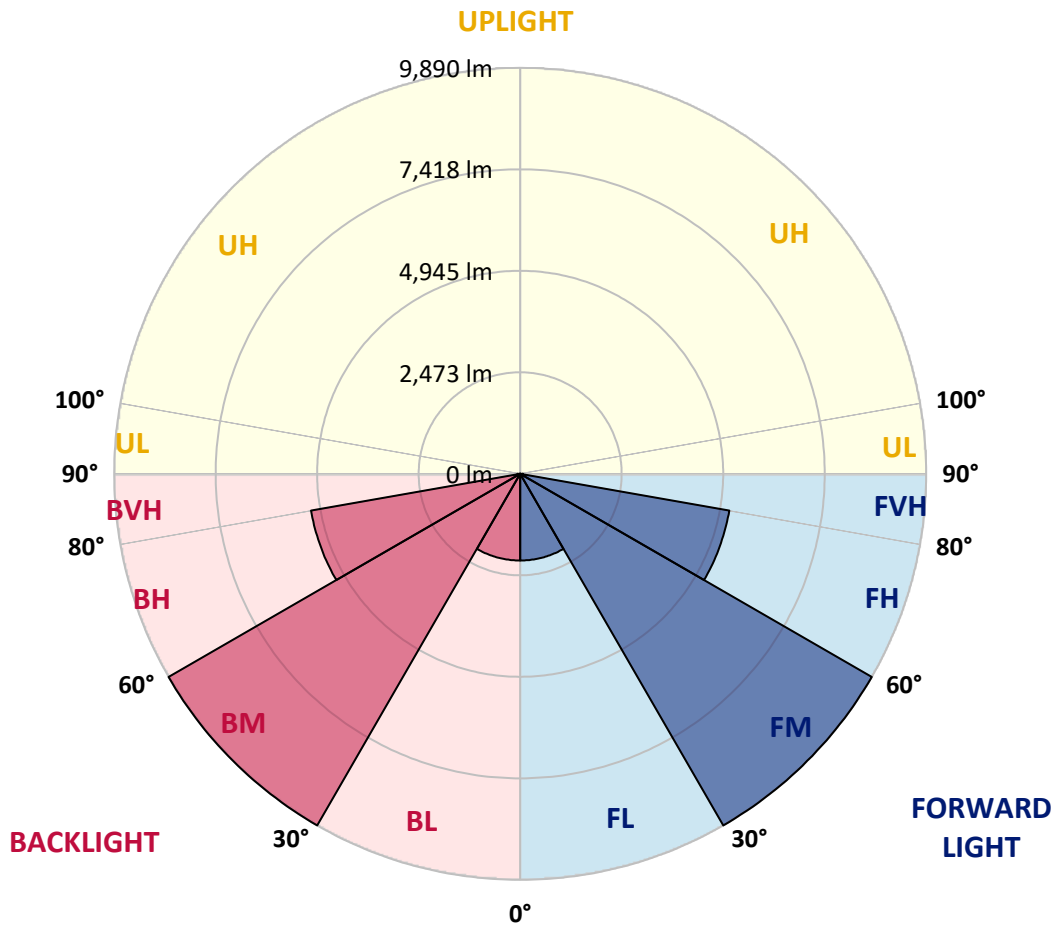
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2111.0	6.1			
FM (30°-60°)	9890.4	28.7			
FH (60°-80°)	5173.3	15.0			G3/7500
FVH (80°-90°)	67.8	0.2			G1/100
BL (0°-30°)	2111.0	6.1	B3/2500		
BM (30°-60°)	9890.4	28.7	B5		
BH (60°-80°)	5173.3	15.0	B5		G3/7500
BVH (80°-90°)	67.8	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°	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1	4104.1
2.5°	4131.7	4117.9	4128.3	4119.6	4112.7	4105.8	4109.3	4121.4	4126.6	4128.3
5°	4187.1	4175.0	4180.2	4180.2	4168.1	4164.6	4166.3	4175.0	4185.4	4185.4
7.5°	4277.1	4265.0	4277.1	4270.2	4259.8	4256.3	4254.6	4261.5	4277.1	4277.1
10°	4386.1	4372.2	4379.2	4375.7	4363.6	4358.4	4356.7	4367.1	4380.9	4379.2
12.5°	4505.5	4489.9	4498.5	4488.2	4484.7	4479.5	4479.5	4477.8	4486.4	4479.5
15°	4638.7	4628.3	4631.8	4624.9	4630.0	4626.6	4612.7	4605.8	4609.3	4598.9
17.5°	4796.1	4771.9	4784.0	4780.6	4780.6	4787.5	4765.0	4756.3	4763.3	4752.9
20°	4977.8	4953.6	4958.8	4951.9	4943.2	4950.1	4922.4	4929.4	4934.6	4927.6
22.5°	5176.8	5145.6	5143.9	5147.4	5128.3	5130.1	5111.0	5128.3	5138.7	5119.7
25°	5381.0	5348.1	5370.6	5361.9	5337.7	5342.9	5329.0	5346.4	5355.0	5330.8
27.5°	5597.2	5574.7	5595.5	5600.7	5571.3	5592.0	5571.3	5586.9	5595.5	5559.2
30°	5849.8	5827.3	5846.4	5860.2	5825.6	5858.5	5841.2	5851.6	5853.3	5810.0
32.5°	6124.9	6090.3	6138.8	6145.7	6107.6	6147.4	6124.9	6138.8	6147.4	6088.6
35°	6460.6	6417.4	6472.7	6464.1	6431.2	6464.1	6443.3	6464.1	6484.8	6413.9
37.5°	6822.2	6777.2	6836.1	6820.5	6789.3	6811.8	6799.7	6813.6	6846.4	6770.3
40°	7220.2	7164.8	7244.4	7216.7	7187.3	7183.8	7190.8	7199.4	7242.7	7157.9
42.5°	7645.8	7587.0	7706.4	7663.1	7621.6	7593.9	7616.4	7633.7	7675.2	7580.1
45°	8132.0	8064.5	8220.2	8168.3	8102.6	8045.5	8081.8	8107.8	8168.3	8054.1
47.5°	8668.4	8592.2	8758.3	8742.8	8635.5	8510.9	8594.0	8668.4	8713.3	8574.9
50°	9192.6	9133.8	9351.8	9370.8	9239.3	9064.6	9180.5	9293.0	9305.1	9123.4
52.5°	9684.0	9625.2	9941.8	10061.2	9943.5	9735.9	9858.7	9972.9	9881.2	9645.9
55°	10076.7	10028.3	10431.4	10739.4	10779.2	10607.9	10680.6	10677.1	10376.1	10014.5
57.5°	10171.9	10165.0	10673.7	11326.0	11741.2	11762.0	11618.4	11251.6	10602.7	10116.5
60°	9739.4	9782.6	10481.6	11632.2	12739.5	13199.8	12578.6	11531.9	10344.9	9670.1
62.5°	8445.2	8559.4	9402.0	11258.5	13545.8	14853.9	13348.6	11106.2	9286.0	8405.4
65°	6052.3	6251.3	7182.1	9607.9	13473.2	16307.2	13237.8	9530.0	7251.3	6235.7
67.5°	2745.8	2948.3	3739.0	6578.3	11711.8	15912.7	11684.1	6647.5	3925.8	2958.7
70°	994.9	1029.5	1283.8	2633.4	7484.9	12679.0	7805.0	2652.4	1365.1	1097.0
72.5°	602.1	607.3	660.9	943.0	2600.5	7697.7	2711.2	974.1	674.8	598.7
75°	382.4	378.9	470.6	576.2	922.2	2597.0	967.2	576.2	468.9	427.4
77.5°	275.1	283.8	337.4	430.8	581.4	880.7	571.0	411.8	337.4	276.8
80°	205.9	211.1	245.7	335.7	408.3	548.5	363.3	304.5	254.3	173.0
82.5°	148.8	148.8	160.9	244.0	249.2	295.9	197.2	214.5	167.8	122.8
85°	88.2	86.5	100.4	145.3	129.8	109.0	90.0	131.5	105.5	76.1
87.5°	31.1	32.9	31.1	41.5	34.6	29.4	27.7	36.3	29.4	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°
4104.1
4128.3
4185.4
4271.9
4375.7
4483.0
4600.6
4761.5
4943.2
5138.7
5358.5
5586.9
5836.0
6128.4
6457.1
6817.0
7185.6
7630.2
8113.0
8621.6
9145.9
9652.8
10026.6
10085.4
9590.6
8353.5
6161.3
2915.4
1083.1
609.0
430.8
282.0
178.2
122.8
74.4
24.2
0.0

OF REPORT)