

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: P953357

Luminaire Tested: **GALN-SB6D-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953357  
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-SB6D-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

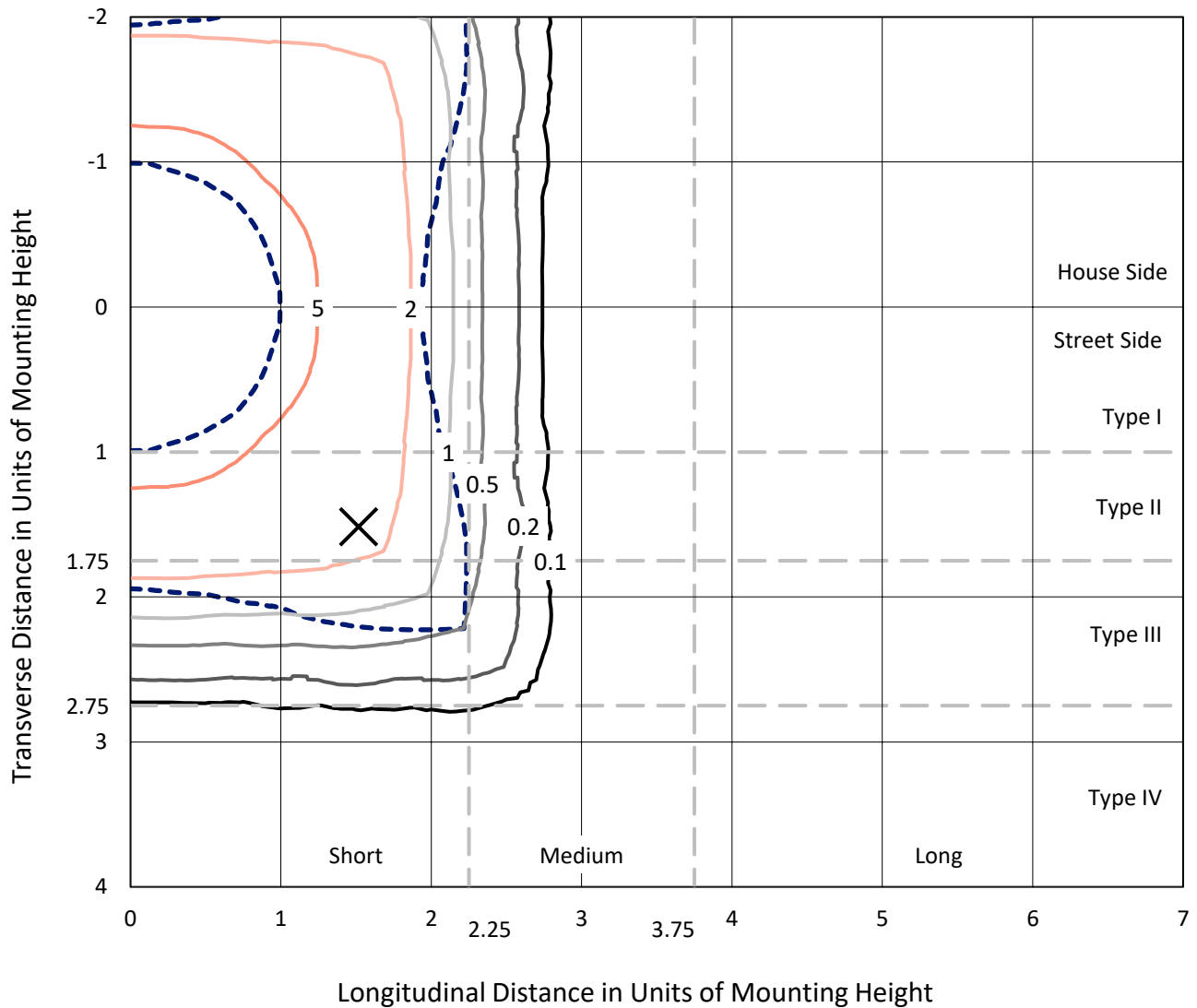
Lumens per Lamp: N/A  
Luminaire Lumens: 46857 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P953357  
 CATALOG NUMBER: GALN-SB6D-940-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

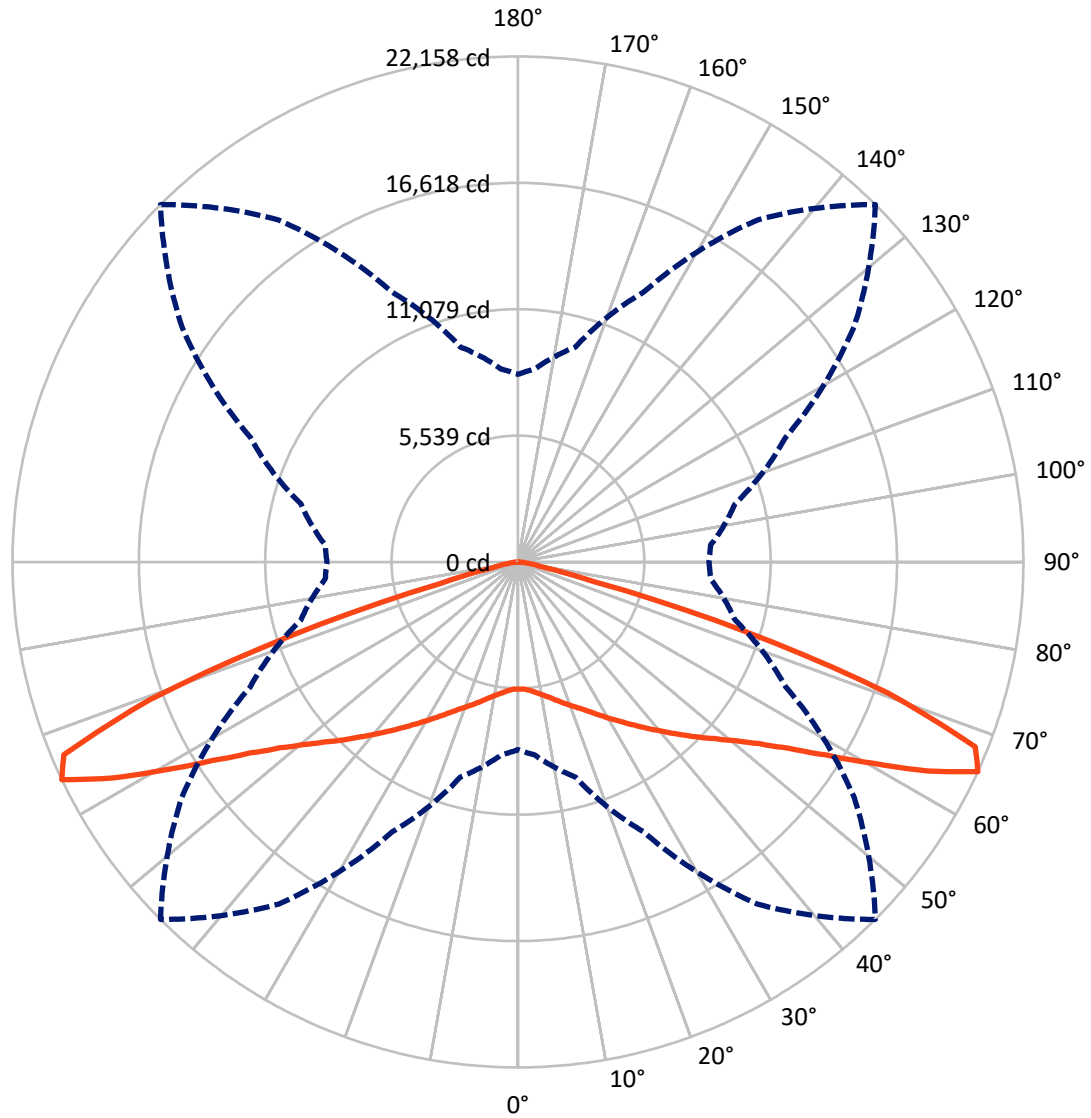
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P953357  
CATALOG NUMBER: GALN-SB6D-940-U-5NQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P953357

CATALOG NUMBER: GALN-SB6D-940-U-5NQ

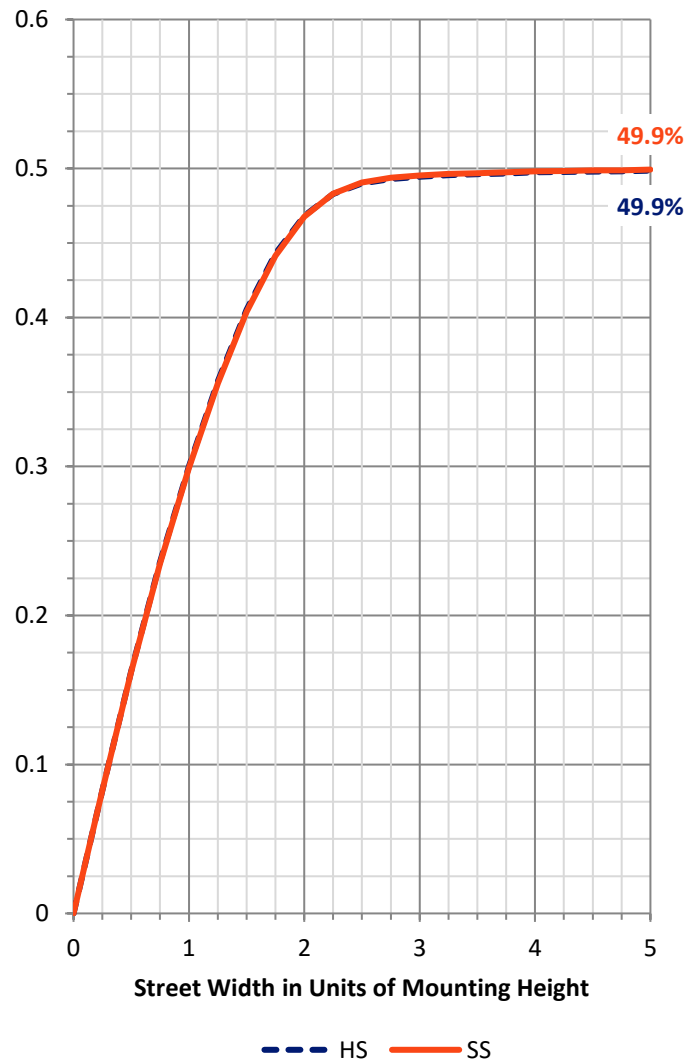
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23428.5	0.0	23428.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23428.5	0.0	23428.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46857.0	0.0	46857.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	550.3	1.2
10°-20°	1795.8	3.8
20°-30°	3390.7	7.2
30°-40°	5552.1	11.8
40°-50°	8608.6	18.4
50°-60°	12716.8	27.1
60°-70°	12105.2	25.8
70°-80°	1953.3	4.2
80°-90°	184.1	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°	46857.0	100.0
0°-180°	46857.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P953357

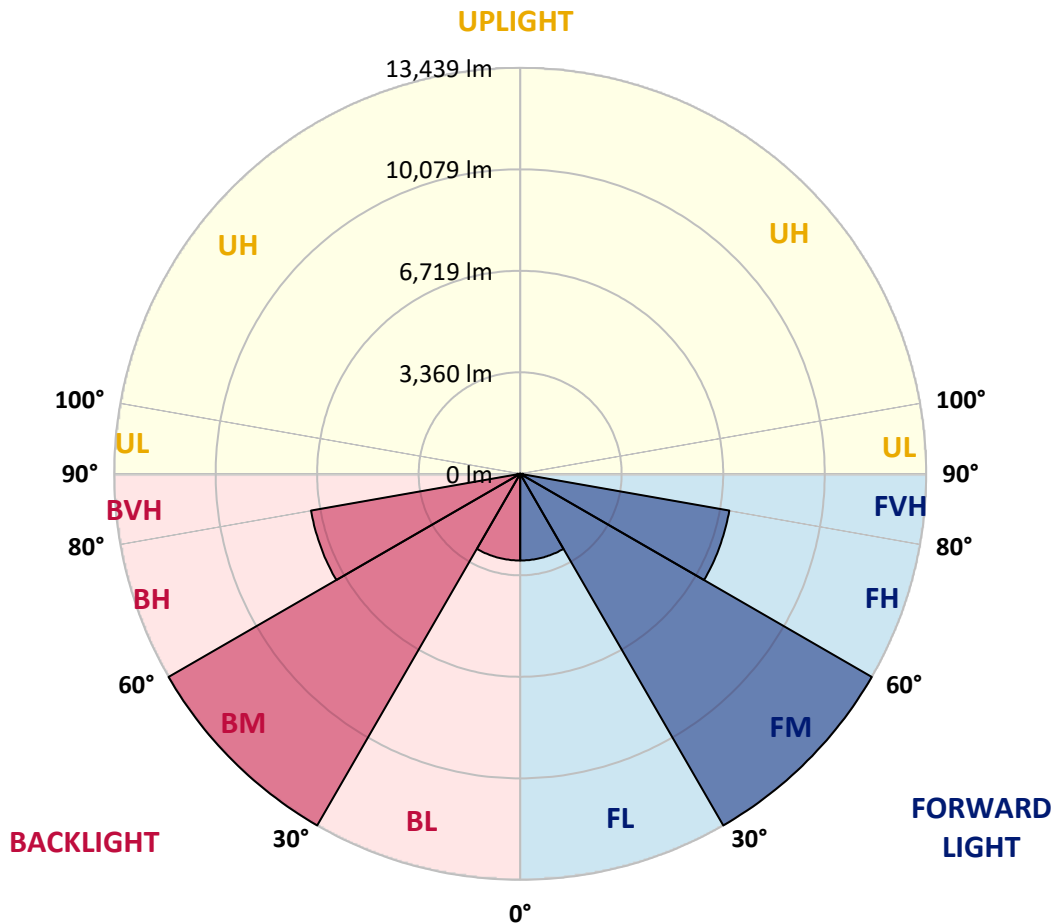
CATALOG NUMBER: GALN-SB6D-940-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2868.4	6.1			
FM (30°-60°)	13438.8	28.7			
FH (60°-80°)	7029.3	15.0			G3/7500
FVH (80°-90°)	92.1	0.2			G1/100
BL (0°-30°)	2868.4	6.1	B4/5000		
BM (30°-60°)	13438.8	28.7	B5		
BH (60°-80°)	7029.3	15.0	B5		G3/7500
BVH (80°-90°)	92.1	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



REPORT NUMBER: P953357

CATALOG NUMBER: GALN-SB6D-940-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5576.5	5576.5	5576.5	5576.5	5576.5	5576.5	5576.5	5576.5	5576.5	5576.5
2.5°	5614.1	5595.3	5609.4	5597.6	5588.2	5578.8	5583.5	5600.0	5607.0	5609.4
5°	5689.3	5672.8	5679.9	5679.9	5663.4	5658.7	5661.1	5672.8	5686.9	5686.9
7.5°	5811.5	5795.1	5811.5	5802.1	5788.0	5783.3	5781.0	5790.4	5811.5	5811.5
10°	5959.7	5940.8	5950.3	5945.6	5929.1	5922.0	5919.7	5933.8	5952.6	5950.3
12.5°	6121.9	6100.7	6112.5	6098.4	6093.7	6086.6	6086.6	6084.3	6096.0	6086.6
15°	6302.9	6288.8	6293.5	6284.1	6291.1	6286.4	6267.6	6258.2	6262.9	6248.8
17.5°	6516.8	6483.9	6500.4	6495.7	6495.7	6505.1	6474.5	6462.8	6472.2	6458.1
20°	6763.7	6730.8	6737.8	6728.4	6716.7	6726.1	6688.5	6697.9	6704.9	6695.5
22.5°	7034.0	6991.7	6989.4	6994.1	6968.2	6970.6	6944.7	6968.2	6982.3	6956.5
25°	7311.5	7266.8	7297.3	7285.6	7252.7	7259.7	7240.9	7264.4	7276.2	7243.3
27.5°	7605.3	7574.8	7603.0	7610.0	7570.1	7598.3	7570.1	7591.2	7603.0	7553.6
30°	7948.6	7918.0	7943.9	7962.7	7915.6	7960.3	7936.8	7950.9	7953.3	7894.5
32.5°	8322.4	8275.3	8341.2	8350.6	8298.9	8352.9	8322.4	8341.2	8352.9	8273.0
35°	8778.4	8719.7	8794.9	8783.1	8738.5	8783.1	8754.9	8783.1	8811.4	8715.0
37.5°	9269.8	9208.7	9288.6	9267.4	9225.1	9255.7	9239.2	9258.0	9302.7	9199.3
40°	9810.5	9735.3	9843.4	9805.8	9765.8	9761.1	9770.5	9782.3	9841.1	9725.9
42.5°	10388.8	10308.9	10471.1	10412.4	10355.9	10318.3	10348.9	10372.4	10428.8	10299.5
45°	11049.5	10957.8	11169.4	11098.8	11009.5	10931.9	10981.3	11016.5	11098.8	10943.7
47.5°	11778.3	11674.8	11900.5	11879.3	11733.6	11564.3	11677.2	11778.3	11839.4	11651.3
50°	12490.6	12410.7	12706.9	12732.7	12554.1	12316.6	12474.1	12626.9	12643.4	12396.6
52.5°	13158.3	13078.3	13508.6	13670.8	13510.9	13228.8	13395.7	13550.9	13426.3	13106.5
55°	13691.9	13626.1	14173.9	14592.3	14646.4	14413.7	14512.4	14507.7	14098.6	13607.3
57.5°	13821.2	13811.8	14503.0	15389.3	15953.5	15981.8	15786.6	15288.2	14406.6	13746.0
60°	13233.5	13292.3	14242.1	15805.4	17310.0	17935.4	17091.4	15669.1	14056.3	13139.5
62.5°	11475.0	11630.1	12775.1	15297.6	18405.6	20182.9	18137.6	15090.7	12617.5	11420.9
65°	8223.6	8494.0	9758.8	13054.8	18306.8	22157.7	17987.1	12949.0	9852.8	8472.8
67.5°	3731.0	4006.0	5080.4	8938.3	15913.6	21621.7	15876.0	9032.3	5334.3	4020.1
70°	1351.8	1398.8	1744.4	3578.1	10170.2	17227.8	10605.1	3604.0	1854.9	1490.5
72.5°	818.1	825.2	898.1	1281.3	3533.5	10459.4	3683.9	1323.6	916.9	813.4
75°	519.6	514.9	639.5	782.9	1253.1	3528.8	1314.2	782.9	637.1	580.7
77.5°	373.8	385.6	458.4	585.4	789.9	1196.6	775.8	559.5	458.4	376.2
80°	279.8	286.8	333.8	456.1	554.8	745.3	493.7	413.8	345.6	235.1
82.5°	202.2	202.2	218.6	331.5	338.5	402.0	268.0	291.5	228.0	166.9
85°	119.9	117.5	136.4	197.5	176.3	148.1	122.2	178.7	143.4	103.4
87.5°	42.3	44.7	42.3	56.4	47.0	40.0	37.6	49.4	40.0	35.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5576.5
5609.4
5686.9
5804.5
5945.6
6091.3
6251.2
6469.8
6716.7
6982.3
7280.9
7591.2
7929.8
8327.1
8773.7
9262.7
9763.5
10367.7
11023.6
11714.8
12427.1
13115.9
13623.8
13703.7
13031.3
11350.4
8371.7
3961.3
1471.7
827.5
585.4
383.2
242.1
166.9
101.1
32.9
0.0

OF REPORT)