

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: STREETWORKS

Report Number: P654077

Luminaire Tested: **GLAN-SA9A-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA9A-840-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31404.6 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

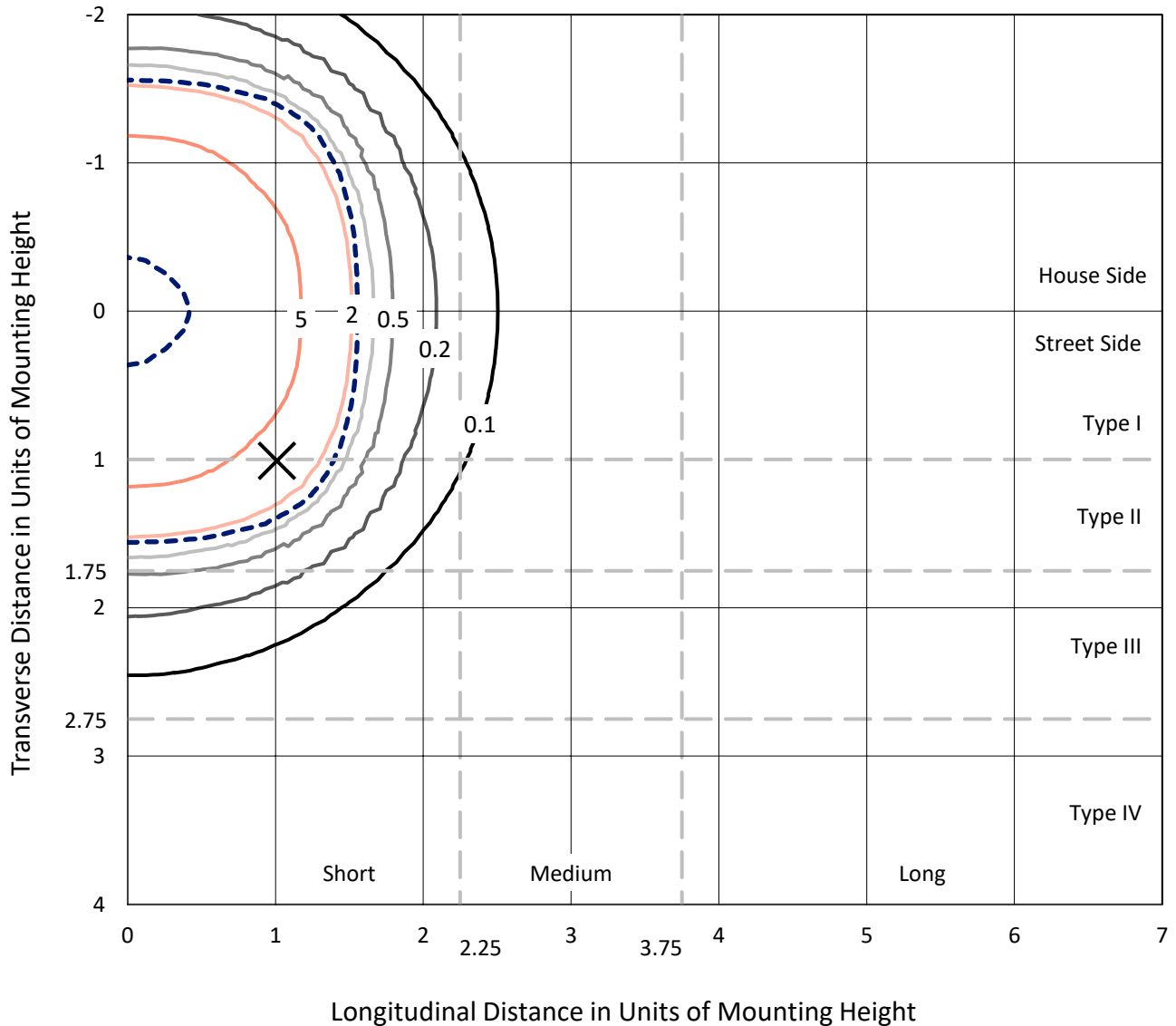
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P654077  
 CATALOG NUMBER: GLAN-SA9A-840-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

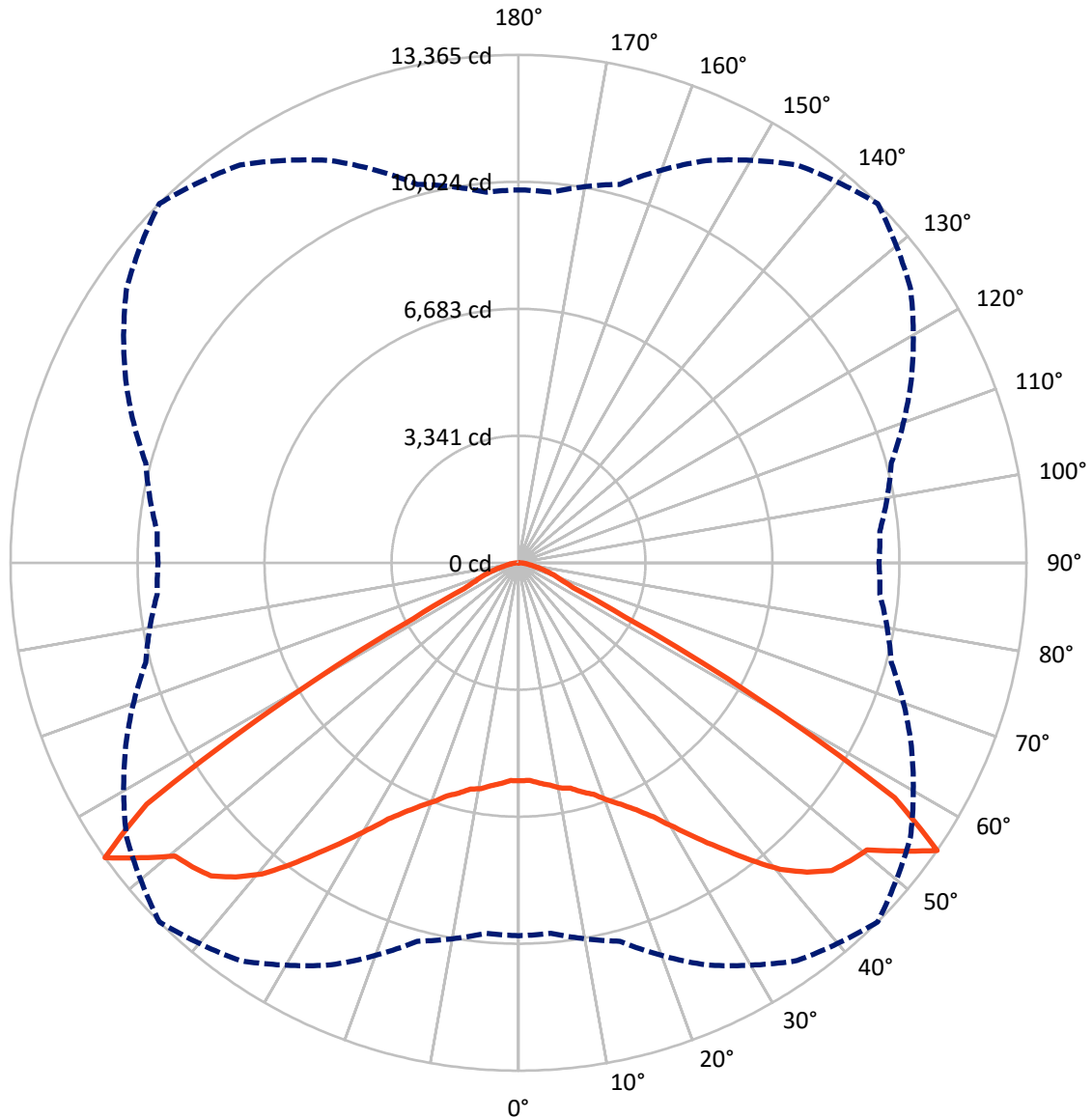
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P654077  
CATALOG NUMBER: GLAN-SA9A-840-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P654077  
 CATALOG NUMBER: GLAN-SA9A-840-U-5NQ-GRSWH

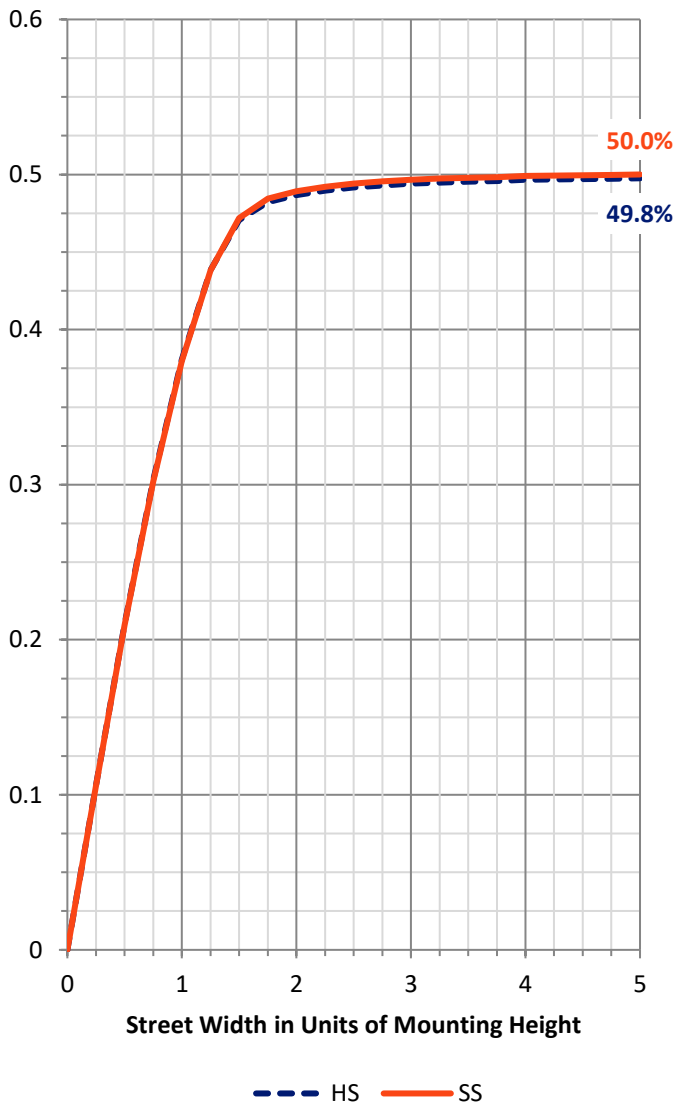
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15702.3	0.0	15702.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15702.3	0.0	15702.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31404.6	0.0	31404.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.2	1.8
10°-20°	1774.9	5.7
20°-30°	3309.6	10.5
30°-40°	5541.3	17.6
40°-50°	8622.7	27.5
50°-60°	8953.0	28.5
60°-70°	1898.6	6.0
70°-80°	625.3	2.0
80°-90°	119.1	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°	31404.6	100.0
0°-180°	31404.6	100.0

**Coefficient of Utilization**



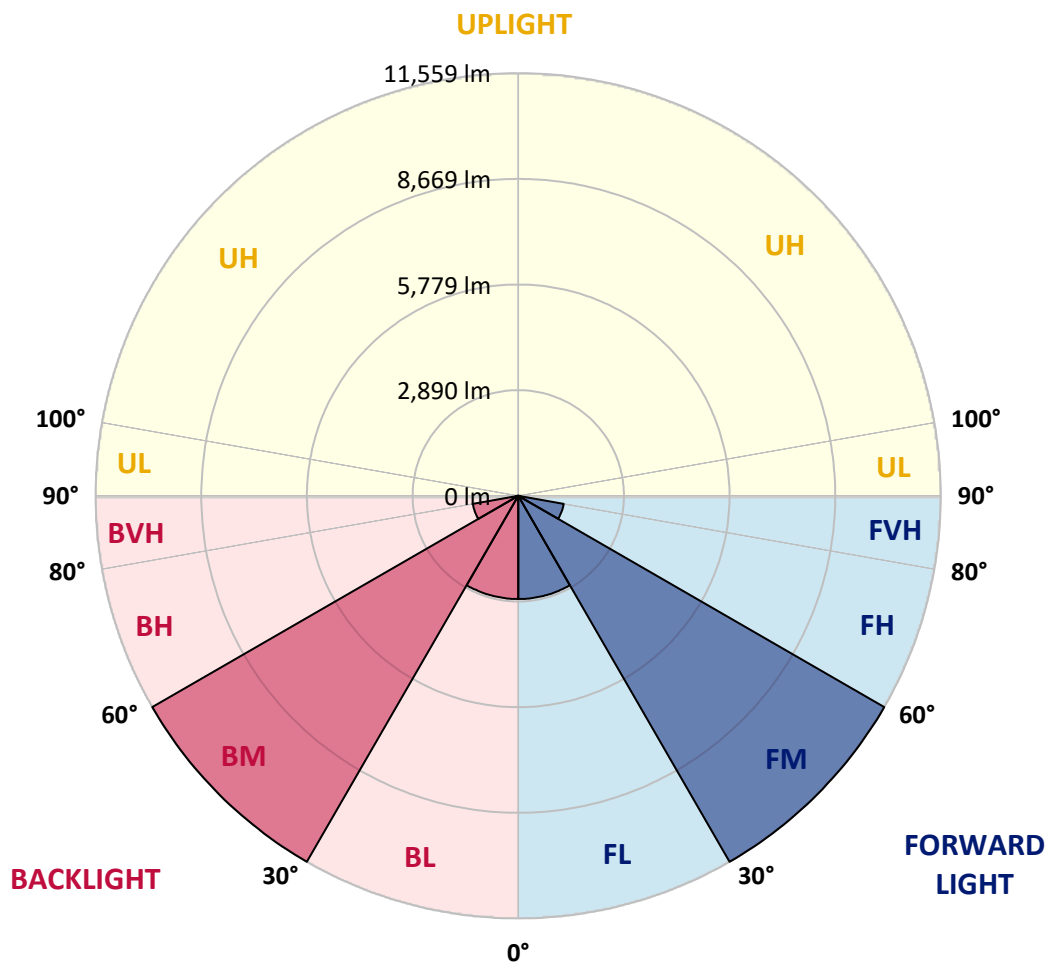
REPORT NUMBER: P654077  
 CATALOG NUMBER: GLAN-SA9A-840-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2822.3	9.0			
FM (30°-60°)	11558.5	36.8			
FH (60°-80°)	1262.0	4.0			G1/1800
FVH (80°-90°)	59.5	0.2			G1/100
BL (0°-30°)	2822.3	9.0	B4/5000		
BM (30°-60°)	11558.5	36.8	B5		
BH (60°-80°)	1262.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	59.5	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-G1**

Type V Short





REPORT NUMBER: P654077

CATALOG NUMBER: GLAN-SA9A-840-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0	5734.0
2.5°	5802.3	5775.7	5730.2	5764.4	5791.0	5734.0	5756.8	5768.2	5760.6	5730.2	5741.6
5°	5885.8	5870.6	5832.7	5859.2	5825.1	5825.1	5802.3	5772.0	5817.5	5809.9	5828.9
7.5°	5885.8	5866.8	5942.8	5893.4	5908.6	5908.6	5870.6	5840.2	5863.0	5828.9	5809.9
10°	6003.5	6030.1	5995.8	6007.3	5999.7	6026.2	5969.3	5950.3	5931.3	5920.0	5897.2
12.5°	6143.8	6124.9	6136.3	6128.7	6155.3	6086.9	6052.8	6011.0	6045.2	5995.8	6030.1
15°	6257.7	6246.4	6257.7	6288.1	6261.5	6257.7	6197.0	6155.3	6102.1	6113.5	6060.4
17.5°	6413.3	6401.9	6405.7	6432.3	6428.4	6409.5	6363.9	6284.3	6265.3	6234.9	6200.8
20°	6644.7	6625.8	6618.2	6629.6	6648.6	6663.7	6572.7	6542.3	6477.8	6428.4	6371.6
22.5°	6842.1	6834.6	6864.9	6815.5	6857.3	6902.8	6815.5	6800.3	6641.0	6614.4	6553.7
25°	7115.4	7103.9	7085.0	7157.1	7206.4	7202.7	7119.1	7035.6	6914.2	6883.8	6883.8
27.5°	7403.7	7339.2	7437.9	7456.9	7544.2	7570.7	7498.6	7377.2	7263.4	7198.8	7214.0
30°	7764.3	7703.6	7726.4	7862.9	7976.8	8075.5	7893.3	7714.9	7555.5	7441.7	7422.8
32.5°	8124.7	8064.0	8132.4	8265.2	8492.8	8640.9	8462.5	8151.3	7965.4	7798.4	7832.6
35°	8417.0	8462.5	8572.6	8773.6	9009.0	9248.1	8963.5	8724.4	8458.7	8272.7	8299.3
37.5°	8887.5	9028.0	9115.3	9346.7	9680.7	9927.3	9631.3	9320.1	9035.5	8792.7	8709.1
40°	9502.3	9597.2	9695.8	9969.0	10363.7	10610.4	10329.6	9923.5	9642.7	9392.3	9380.9
42.5°	10177.8	10268.9	10371.3	10705.3	10940.6	11126.5	10868.4	10652.1	10340.9	10143.6	10132.3
45°	10963.3	10898.8	11012.6	11232.7	11430.1	11551.6	11384.5	11278.3	11054.4	10872.3	10853.3
47.5°	11487.0	11430.1	11635.0	11832.4	11862.7	11729.8	11764.0	11862.7	11627.4	11327.6	11422.5
50°	11790.6	11790.6	11927.2	12109.4	12052.5	11881.6	12151.1	12158.7	11923.4	11657.8	11657.8
52.5°	11263.1	11380.7	11767.9	12363.6	12553.4	12602.7	12542.0	12283.9	11669.1	11126.5	11099.9
55°	9813.5	9786.9	10310.6	11676.8	12781.0	13365.4	12591.3	11403.5	10155.0	9544.0	9483.3
57.5°	6382.9	6413.3	7195.0	8587.7	10580.0	11669.1	10363.7	8694.0	7195.0	6352.6	6432.3
60°	2872.7	2975.1	3449.5	4489.3	6200.8	7088.8	6216.0	4717.0	3620.3	3142.1	3183.9
62.5°	1650.8	1669.7	1688.7	2003.7	2641.2	3123.1	2743.7	2117.6	1867.1	1783.6	1783.6
65°	1392.7	1381.3	1385.1	1411.7	1480.0	1578.6	1536.9	1480.0	1487.6	1480.0	1468.6
67.5°	1184.0	1199.2	1187.8	1206.8	1210.5	1225.8	1252.3	1275.0	1278.8	1286.5	1278.8
70°	971.4	975.3	982.9	998.0	1001.8	1013.2	1051.2	1070.2	1081.5	1081.5	1096.7
72.5°	743.8	740.0	747.6	762.8	781.7	785.5	819.7	846.2	861.4	842.4	846.2
75°	489.5	493.3	504.7	516.1	542.7	569.2	580.6	607.2	611.0	618.6	599.5
77.5°	292.2	299.8	311.2	334.0	356.8	379.5	406.0	425.0	432.6	425.0	402.3
80°	189.7	189.7	205.0	223.9	250.4	269.5	284.6	299.8	311.2	299.8	292.2
82.5°	117.7	117.7	136.6	159.4	178.4	189.7	212.5	231.5	242.9	235.3	223.9
85°	60.7	64.5	79.7	98.6	113.9	121.4	117.7	106.2	94.9	91.1	83.5
87.5°	19.0	19.0	22.8	22.8	19.0	19.0	22.8	19.0	22.8	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)