

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: P530254

Luminaire Tested: **GLAN-SA5C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5C-727-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24980 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

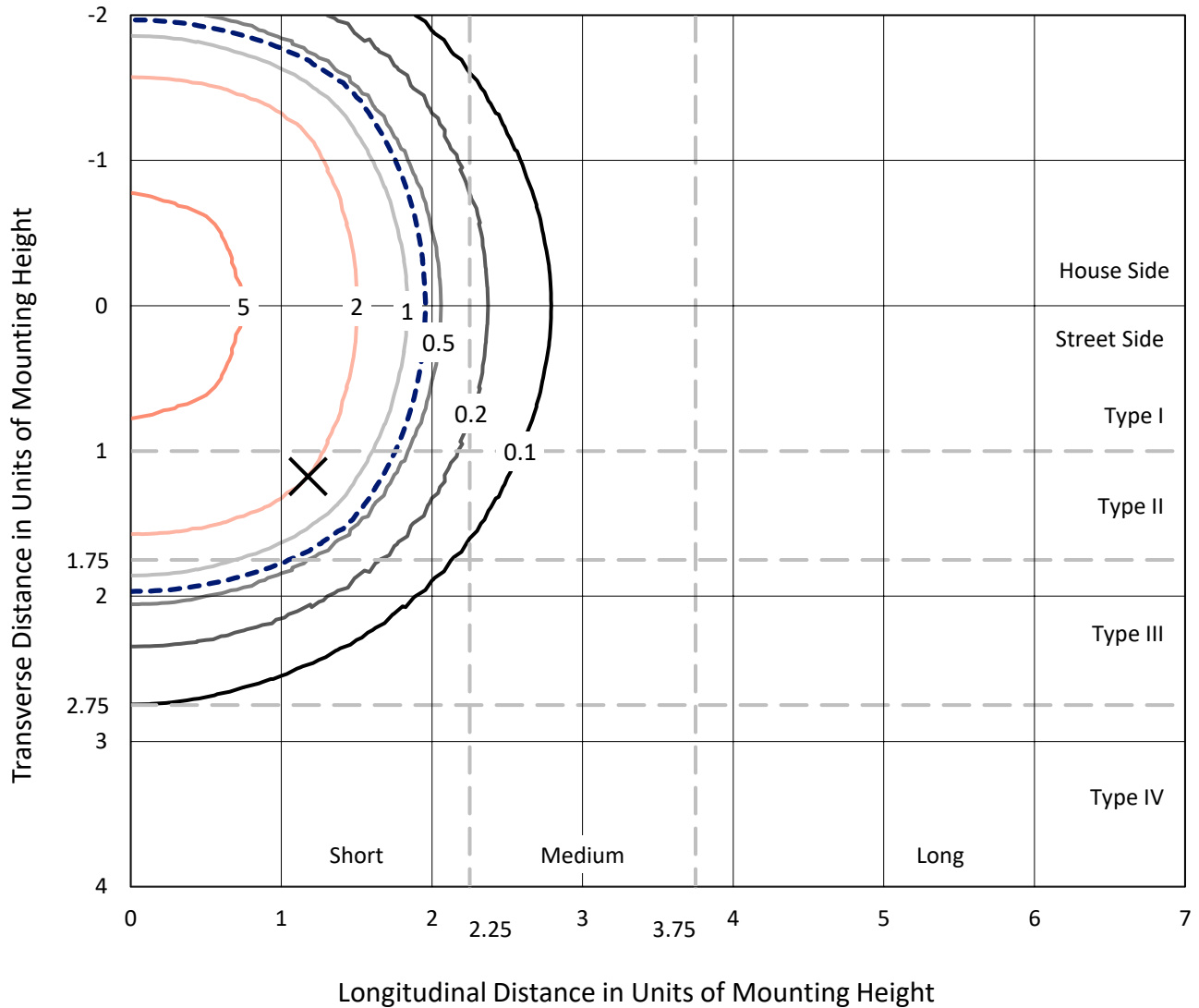
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P530254  
 CATALOG NUMBER: GLAN-SA5C-727-U-5WQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

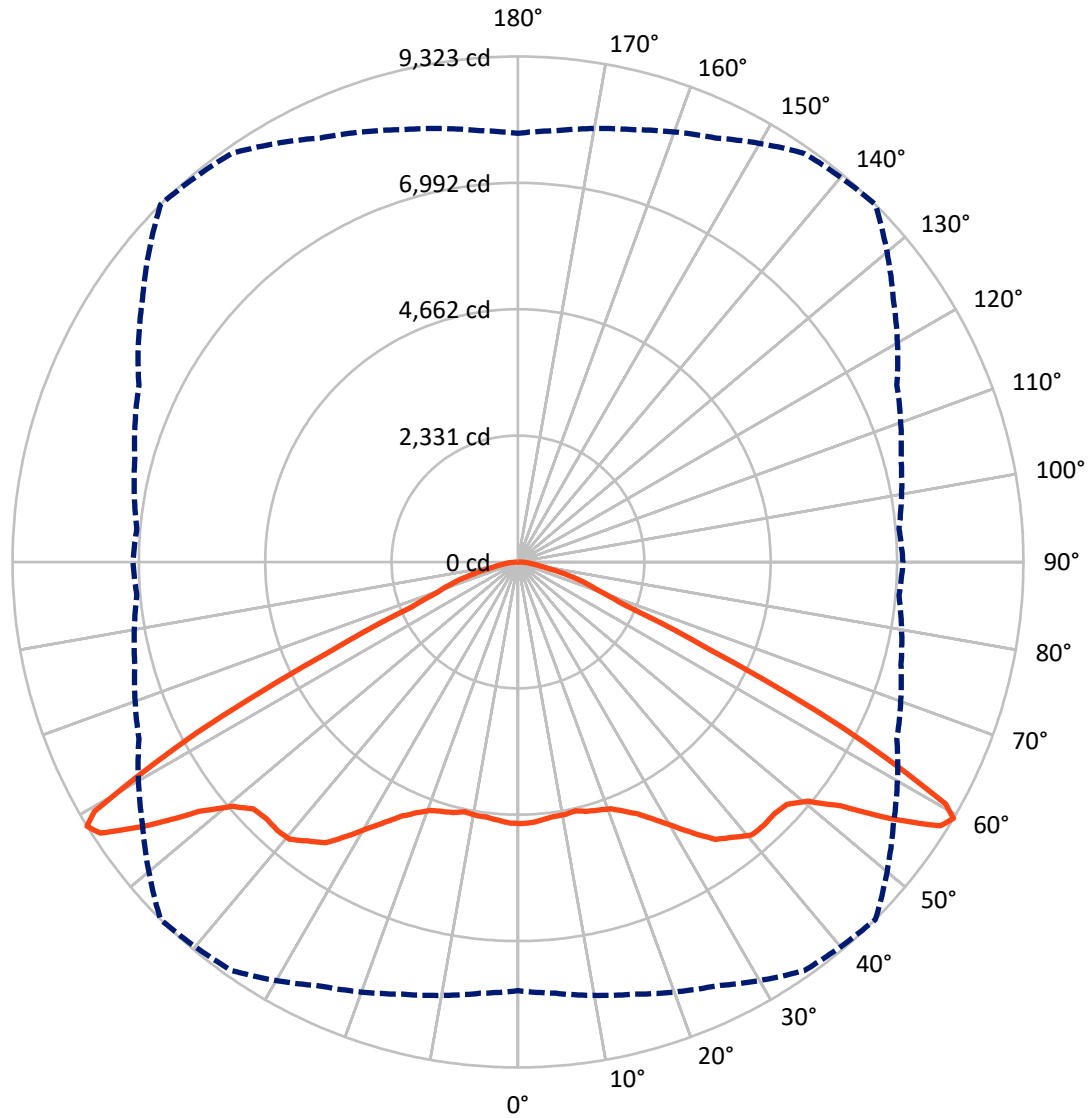
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P530254  
CATALOG NUMBER: GLAN-SA5C-727-U-5WQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P530254  
 CATALOG NUMBER: GLAN-SA5C-727-U-5WQ-GRSWH

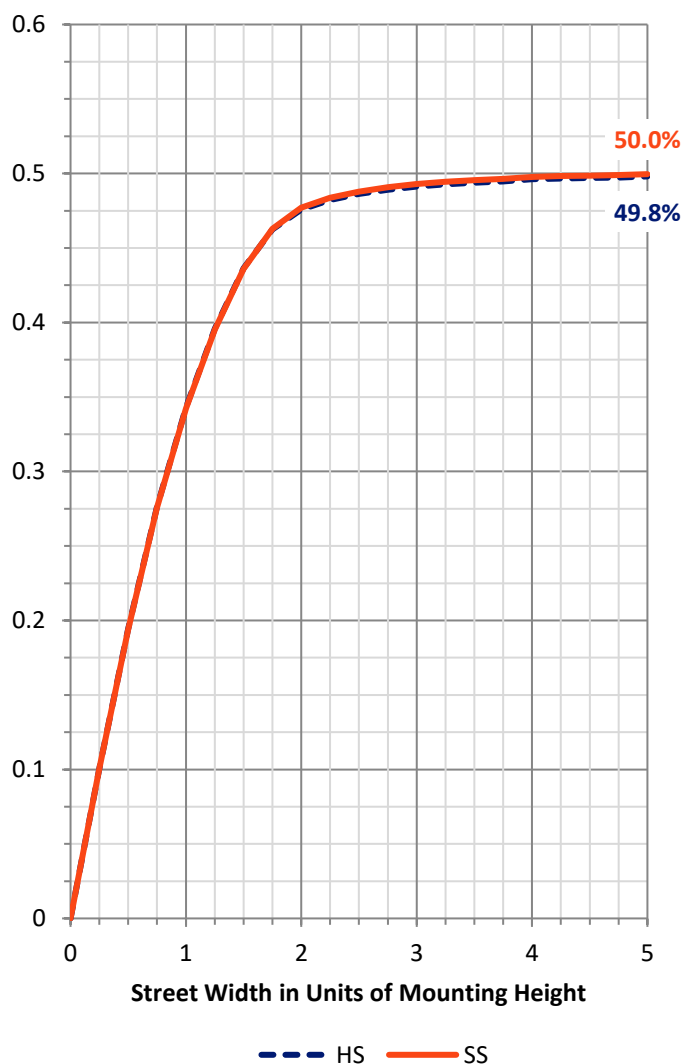
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12490.0	0.0	12490.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12490.0	0.0	12490.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24980.0	0.0	24980.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	454.8	1.8
10°-20°	1352.6	5.4
20°-30°	2361.8	9.5
30°-40°	3772.1	15.1
40°-50°	5138.4	20.6
50°-60°	6948.5	27.8
60°-70°	3810.6	15.3
70°-80°	974.9	3.9
80°-90°	166.3	0.7
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°	24980.0	100.0
0°-180°	24980.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530254

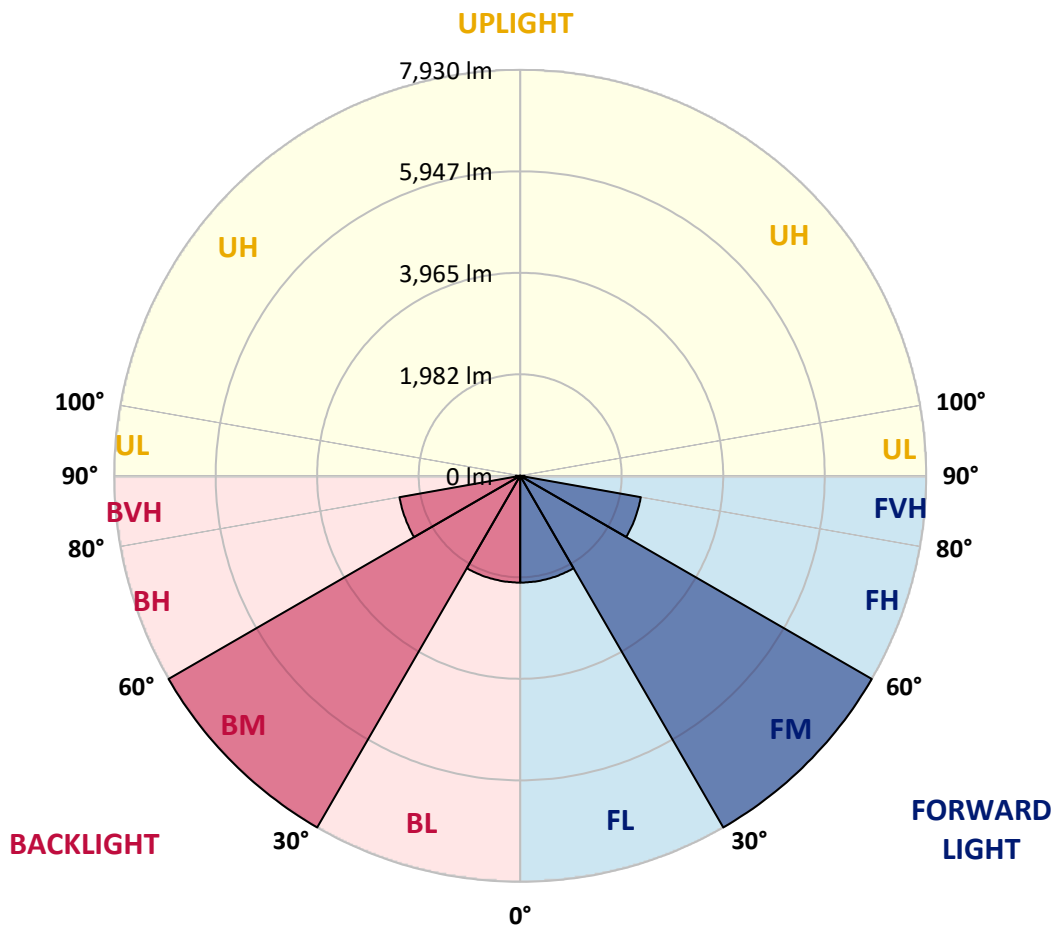
CATALOG NUMBER: GLAN-SA5C-727-U-5WQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2084.6	8.3			
FM (30°-60°)	7929.5	31.7			
FH (60°-80°)	2392.7	9.6			G2/5000
FVH (80°-90°)	83.1	0.3			G1/100
BL (0°-30°)	2084.6	8.3	B3/2500		
BM (30°-60°)	7929.5	31.7	B4/8500		
BH (60°-80°)	2392.7	9.6	B3/2500		G2/5000
BVH (80°-90°)	83.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





REPORT NUMBER: P530254

CATALOG NUMBER: GLAN-SA5C-727-U-5WQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9	4824.9
2.5°	4796.1	4831.3	4805.7	4828.1	4824.9	4815.3	4799.3	4789.7	4776.9	4796.1	4764.1
5°	4776.9	4805.7	4834.5	4796.1	4796.1	4776.9	4767.3	4748.1	4748.1	4744.9	4741.7
7.5°	4808.9	4780.1	4767.3	4773.7	4780.1	4738.5	4767.3	4728.9	4696.9	4719.3	4744.9
10°	4780.1	4792.9	4744.9	4767.3	4732.1	4738.5	4719.3	4744.9	4709.7	4709.7	4709.7
12.5°	4808.9	4773.7	4789.7	4773.7	4764.1	4709.7	4735.3	4706.5	4703.3	4735.3	4706.5
15°	4866.6	4808.9	4796.1	4764.1	4773.7	4773.7	4748.1	4751.3	4716.1	4735.3	4741.7
17.5°	4847.4	4815.3	4805.7	4767.3	4799.3	4808.9	4760.9	4728.9	4751.3	4748.1	4744.9
20°	4863.4	4876.2	4866.6	4873.0	4885.8	4860.2	4815.3	4770.5	4741.7	4783.3	4780.1
22.5°	4965.8	4953.0	4946.6	4940.2	4962.6	4988.2	4927.4	4857.0	4857.0	4885.8	4898.6
25°	5049.1	5045.9	5042.7	5071.5	5148.3	5148.3	5071.5	4981.8	4959.4	4978.6	4962.6
27.5°	5170.7	5205.9	5193.1	5244.4	5356.4	5382.0	5279.6	5173.9	5113.1	5090.7	5119.5
30°	5449.3	5407.6	5417.3	5471.7	5570.9	5654.2	5497.3	5385.2	5302.0	5298.8	5311.6
32.5°	5635.0	5667.0	5695.8	5747.0	5903.9	5967.9	5779.0	5596.5	5545.3	5516.5	5526.1
35°	6006.4	5977.5	5971.1	6022.4	6179.3	6284.9	6048.0	5887.9	5820.7	5884.7	5884.7
37.5°	6358.5	6278.5	6217.7	6284.9	6429.0	6441.8	6240.1	6153.6	6118.4	6192.1	6188.9
40°	6525.0	6518.6	6377.8	6416.2	6608.3	6627.5	6438.6	6336.1	6329.7	6425.8	6521.8
42.5°	6697.9	6637.1	6496.2	6521.8	6640.3	6646.7	6467.4	6438.6	6509.0	6601.9	6608.3
45°	6726.7	6675.5	6585.9	6521.8	6608.3	6627.5	6521.8	6541.0	6547.4	6659.5	6659.5
47.5°	6784.4	6778.0	6726.7	6678.7	6694.7	6678.7	6611.5	6640.3	6736.3	6790.8	6765.2
50°	6944.5	6877.2	6928.4	6886.8	6890.0	6934.9	6874.0	6902.8	6883.6	6835.6	6803.6
52.5°	7296.6	7264.6	7309.5	7338.3	7370.3	7472.7	7402.3	7248.6	7104.5	6976.5	6973.3
55°	7812.1	7834.5	7921.0	8068.2	8193.1	8356.4	8017.0	7648.8	7418.3	7216.6	7229.4
57.5°	8298.8	8282.8	8401.2	8737.4	9102.4	9185.6	8519.7	7994.6	7620.0	7491.9	7437.5
59°	7908.2	7985.0	8253.9	8628.5	9201.6	9323.3	8452.5	7712.9	7315.9	7056.5	7101.3
60°	7293.4	7322.3	7562.4	8084.3	8859.1	9067.2	8001.0	7277.4	6749.2	6598.7	6665.9
62.5°	5154.7	5132.3	5305.2	5731.0	6425.8	6707.5	5948.7	5439.7	5106.7	4940.2	4978.6
65°	2740.6	2843.1	2913.5	3179.3	3547.5	3845.2	3531.5	3310.5	3124.8	2987.2	2984.0
67.5°	1850.6	1837.8	1853.8	1914.6	2039.5	2122.7	2116.3	2004.3	1988.2	1962.6	1991.4
70°	1559.2	1552.8	1524.0	1524.0	1549.6	1568.8	1591.2	1604.0	1629.7	1661.7	1658.5
72.5°	1264.7	1248.7	1229.4	1219.8	1251.9	1261.5	1290.3	1303.1	1325.5	1322.3	1351.1
75°	835.6	835.6	858.1	883.7	893.3	912.5	915.7	954.1	954.1	960.5	934.9
77.5°	467.4	454.6	470.6	496.3	518.7	553.9	589.1	617.9	633.9	627.5	627.5
80°	272.1	272.1	288.2	317.0	345.8	377.8	403.4	425.8	441.8	435.4	422.6
82.5°	169.7	169.7	185.7	214.5	236.9	256.1	291.4	320.2	339.4	333.0	317.0
85°	86.4	86.4	105.7	124.9	153.7	166.5	163.3	150.5	147.3	131.3	131.3
87.5°	22.4	22.4	32.0	35.2	28.8	32.0	32.0	32.0	32.0	32.0	35.2
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)