

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: P652980

Luminaire Tested: **GLAN-SA7C-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652980  
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-SA7C-840-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 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: 34937.7 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

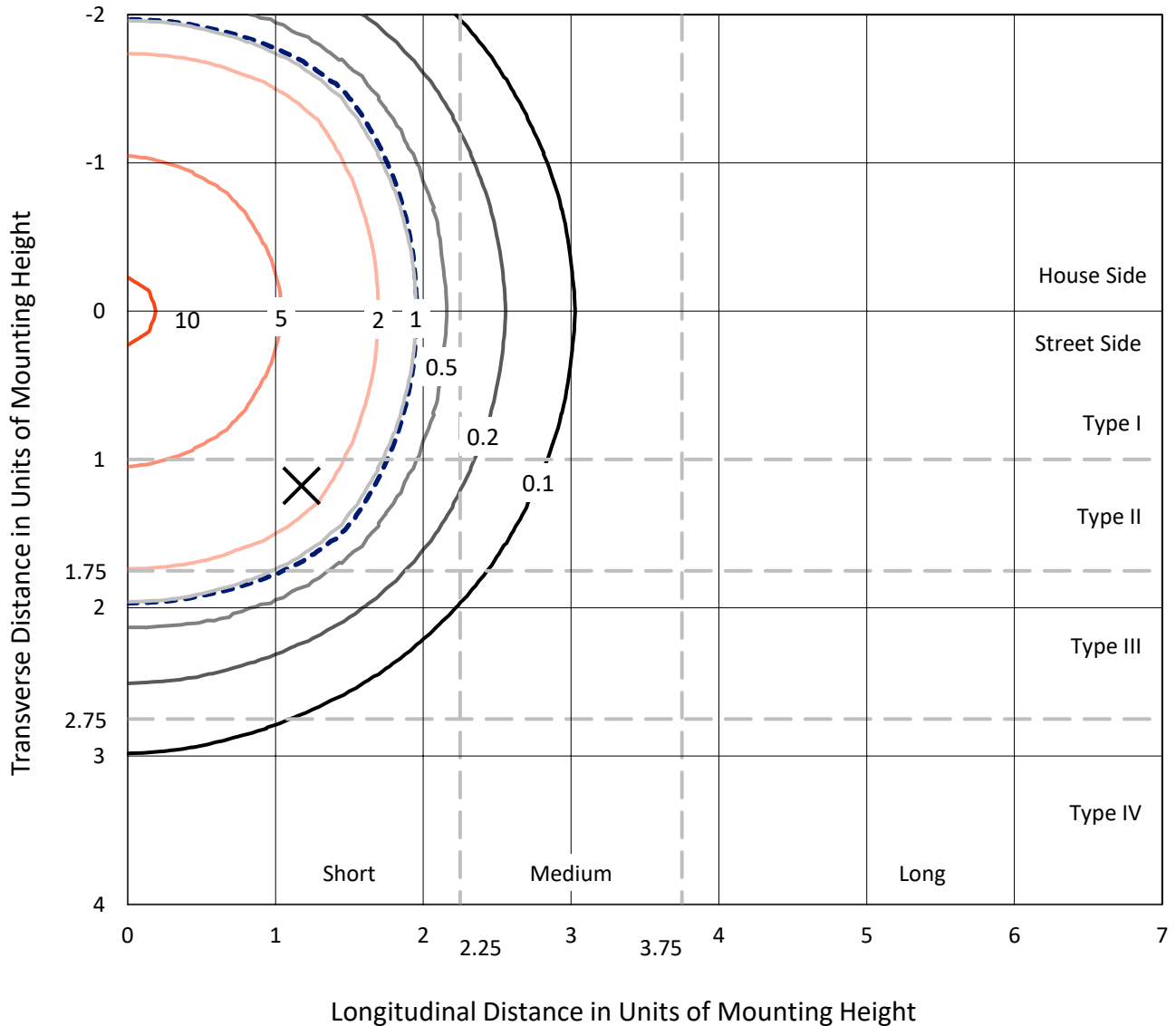
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

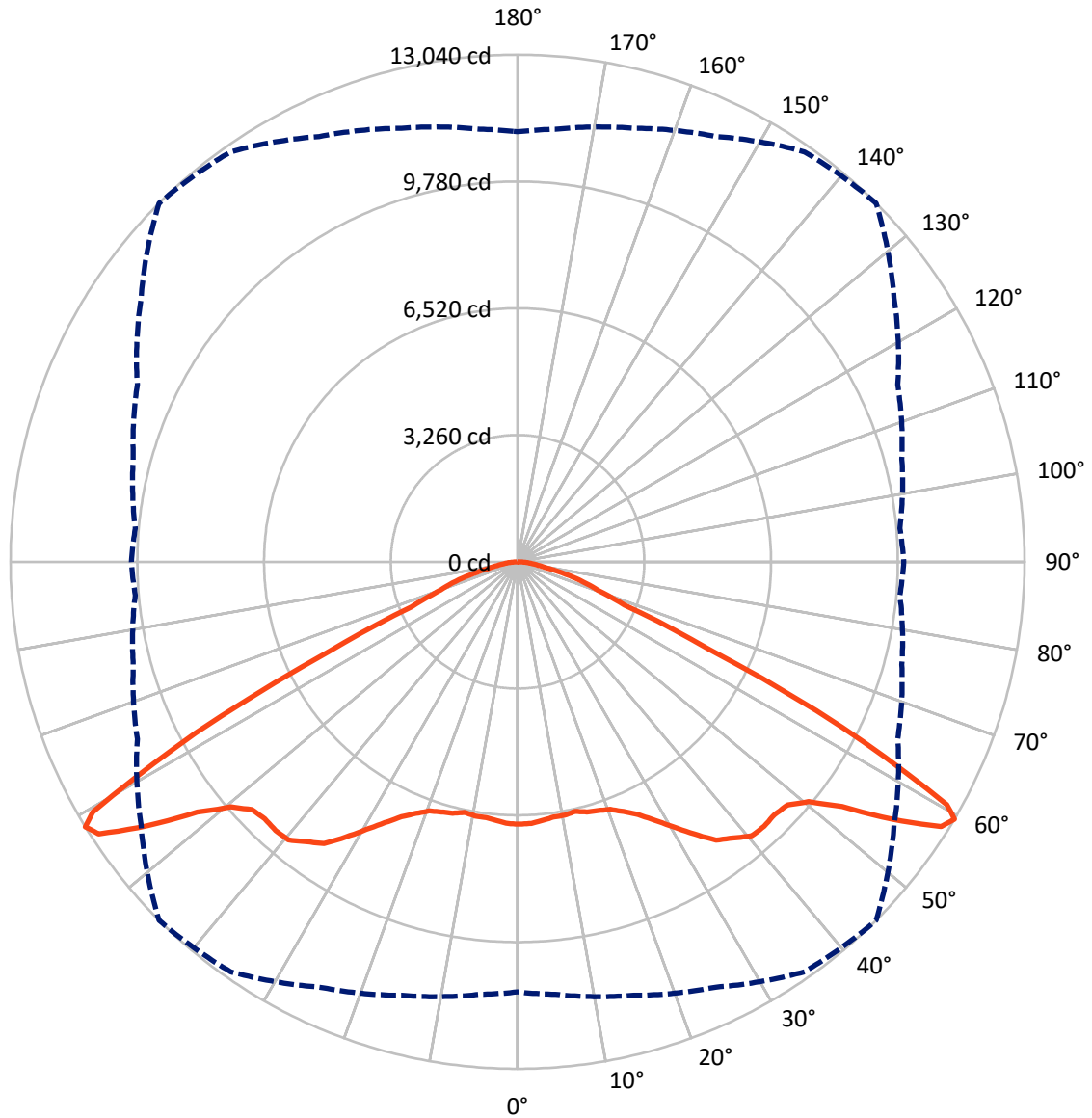
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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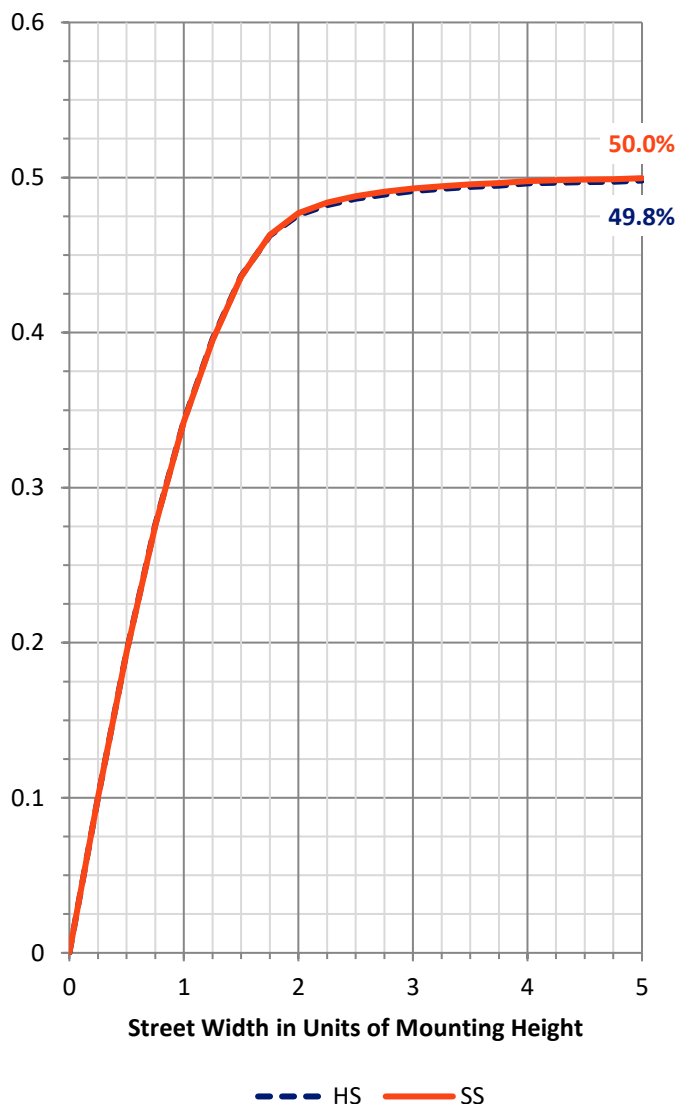
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17468.8	0.0	17468.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17468.8	0.0	17468.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34937.7	0.0	34937.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	636.1	1.8
10°-20°	1891.8	5.4
20°-30°	3303.3	9.5
30°-40°	5275.8	15.1
40°-50°	7186.7	20.6
50°-60°	9718.4	27.8
60°-70°	5329.6	15.3
70°-80°	1363.5	3.9
80°-90°	232.5	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°	34937.7	100.0
0°-180°	34937.7	100.0

**Coefficient of Utilization**



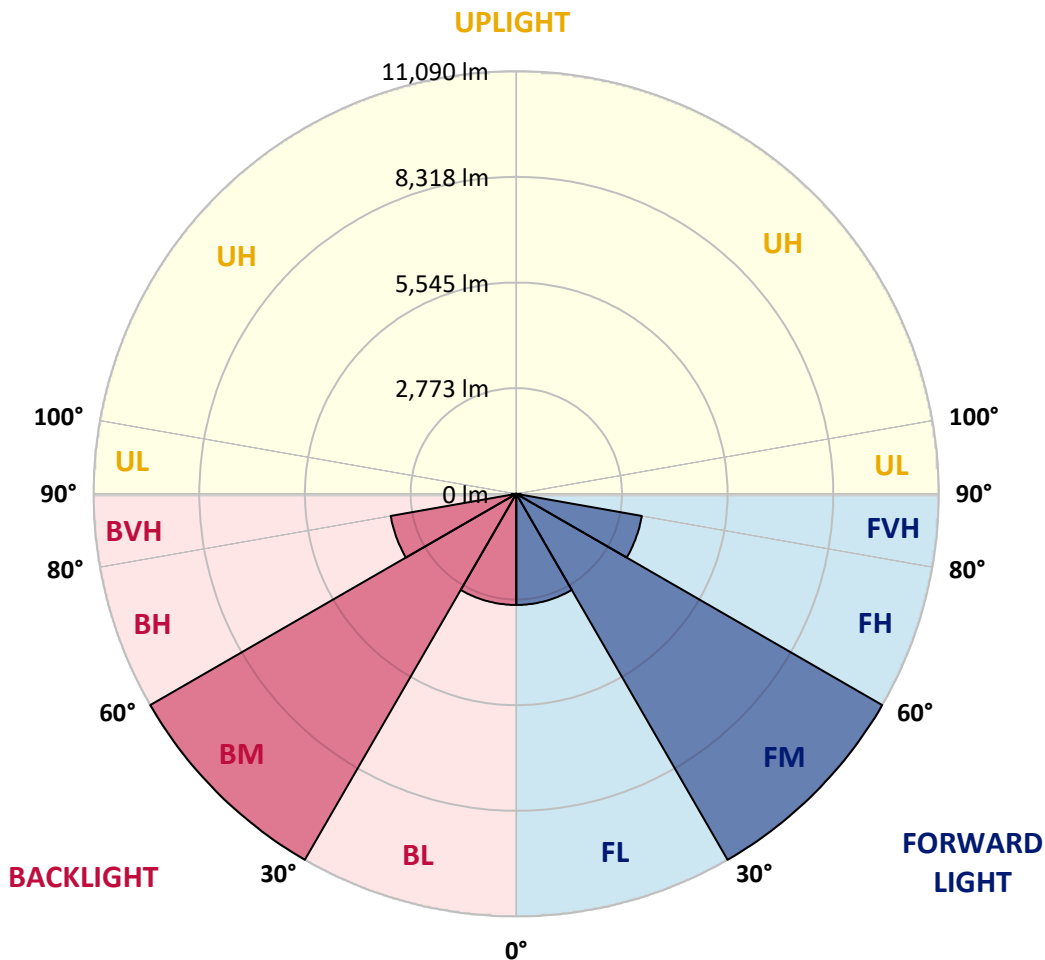
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2915.6	8.3			
FM (30°-60°)	11090.4	31.7			
FH (60°-80°)	3346.5	9.6			G2/5000
FVH (80°-90°)	116.3	0.3			G2/225
BL (0°-30°)	2915.6	8.3	B4/5000		
BM (30°-60°)	11090.4	31.7	B5		
BH (60°-80°)	3346.5	9.6	B4/5000		G2/5000
BVH (80°-90°)	116.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3	6748.3
2.5°	6708.0	6757.3	6721.4	6752.7	6748.3	6734.8	6712.4	6699.1	6681.2	6708.0	6663.2
5°	6681.2	6721.4	6761.7	6708.0	6708.0	6681.2	6667.7	6640.8	6640.8	6636.3	6631.9
7.5°	6725.9	6685.6	6667.7	6676.6	6685.6	6627.4	6667.7	6614.0	6569.1	6600.5	6636.3
10°	6685.6	6703.5	6636.3	6667.7	6618.4	6627.4	6600.5	6636.3	6587.0	6587.0	6587.0
12.5°	6725.9	6676.6	6699.1	6676.6	6663.2	6587.0	6622.9	6582.6	6578.1	6622.9	6582.6
15°	6806.5	6725.9	6708.0	6663.2	6676.6	6676.6	6640.8	6645.3	6596.0	6622.9	6631.9
17.5°	6779.6	6734.8	6721.4	6667.7	6712.4	6725.9	6658.7	6614.0	6645.3	6640.8	6636.3
20°	6802.0	6819.9	6806.5	6815.5	6833.4	6797.6	6734.8	6672.2	6631.9	6690.1	6685.6
22.5°	6945.3	6927.4	6918.5	6909.5	6940.9	6976.7	6891.6	6793.1	6793.1	6833.4	6851.3
25°	7061.7	7057.3	7052.8	7093.1	7200.6	7200.6	7093.1	6967.7	6936.4	6963.2	6940.9
27.5°	7231.9	7281.1	7263.2	7334.9	7491.6	7527.5	7384.1	7236.4	7151.3	7120.0	7160.3
30°	7621.5	7563.3	7576.7	7652.8	7791.6	7908.1	7688.7	7531.9	7415.5	7411.1	7429.0
32.5°	7881.2	7926.0	7966.3	8037.9	8257.4	8346.9	8082.7	7827.4	7755.8	7715.5	7729.0
35°	8400.7	8360.4	8351.4	8423.0	8642.5	8790.2	8458.9	8235.0	8141.0	8230.5	8230.5
37.5°	8893.2	8781.3	8696.2	8790.2	8991.7	9009.6	8727.6	8606.6	8557.3	8660.4	8655.9
40°	9126.1	9117.1	8920.1	8973.8	9242.5	9269.4	9005.2	8861.9	8853.0	8987.3	9121.6
42.5°	9367.9	9282.8	9085.7	9121.6	9287.2	9296.2	9045.5	9005.2	9103.7	9233.6	9242.5
45°	9408.2	9336.5	9211.1	9121.6	9242.5	9269.4	9121.6	9148.5	9157.4	9314.2	9314.2
47.5°	9488.8	9479.8	9408.2	9341.0	9363.4	9341.0	9247.0	9287.2	9421.6	9497.7	9461.9
50°	9712.7	9618.7	9690.3	9632.1	9636.6	9699.3	9614.1	9654.5	9627.6	9560.4	9515.7
52.5°	10205.3	10160.5	10223.2	10263.5	10308.3	10451.5	10353.0	10138.1	9936.6	9757.5	9753.0
55°	10926.2	10957.6	11078.5	11284.5	11459.1	11687.5	11212.8	10697.9	10375.4	10093.3	10111.3
57.5°	11606.9	11584.5	11750.2	12220.3	12730.8	12847.3	11915.9	11181.4	10657.6	10478.4	10402.3
59°	11060.6	11168.1	11544.2	12068.1	12869.7	13039.8	11821.9	10787.4	10232.1	9869.4	9932.1
60°	10200.8	10241.1	10576.9	11306.8	12390.5	12681.6	11190.4	10178.4	9439.6	9229.0	9323.1
62.5°	7209.6	7178.2	7420.0	8015.6	8987.3	9381.4	8320.0	7608.0	7142.4	6909.5	6963.2
65°	3833.1	3976.4	4075.0	4446.6	4961.6	5378.0	4939.2	4630.2	4370.5	4177.9	4173.5
67.5°	2588.3	2570.3	2592.7	2677.8	2852.4	2968.9	2959.9	2803.2	2780.9	2745.0	2785.3
70°	2180.8	2171.8	2131.5	2131.5	2167.3	2194.2	2225.5	2243.5	2279.3	2324.0	2319.6
72.5°	1768.8	1746.4	1719.5	1706.1	1750.9	1764.3	1804.6	1822.5	1853.9	1849.4	1889.7
75°	1168.7	1168.7	1200.1	1235.9	1249.4	1276.2	1280.7	1334.4	1334.4	1343.4	1307.6
77.5°	653.8	635.9	658.3	694.1	725.4	774.6	823.9	864.2	886.7	877.7	877.7
80°	380.6	380.6	403.0	443.3	483.7	528.4	564.2	595.6	618.0	609.0	591.1
82.5°	237.3	237.3	259.7	300.0	331.4	358.3	407.5	447.8	474.7	465.7	443.3
85°	120.9	120.9	147.8	174.7	215.0	232.9	228.4	210.5	206.0	183.6	183.6
87.5°	31.4	31.4	44.7	49.3	40.3	44.7	44.7	44.7	44.7	44.7	49.3
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)