

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: P532182

Luminaire Tested: **GLAN-SA7C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532182  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39971 lumens  
Efficiency: N/A  
Efficacy: 106.0 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

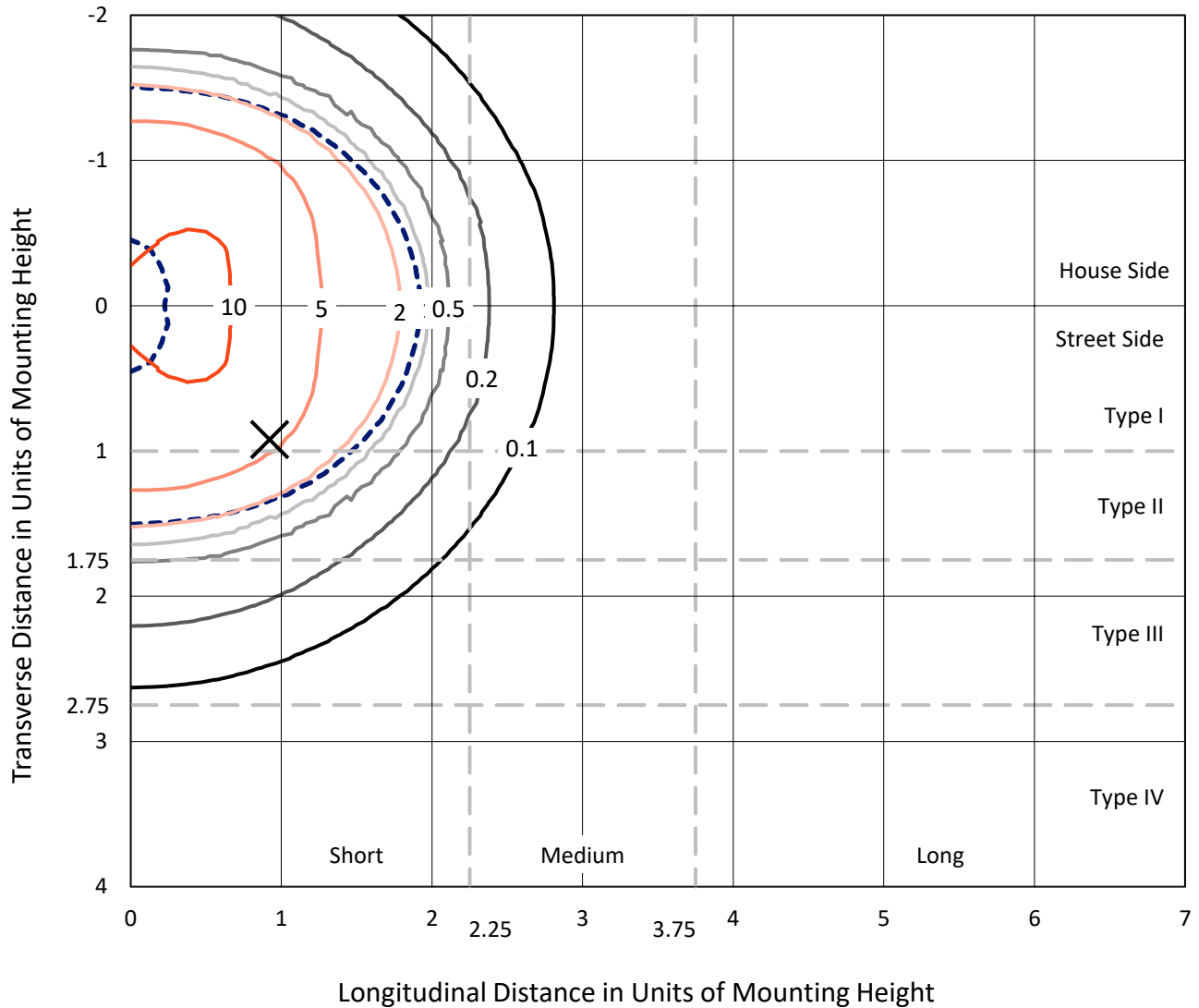
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

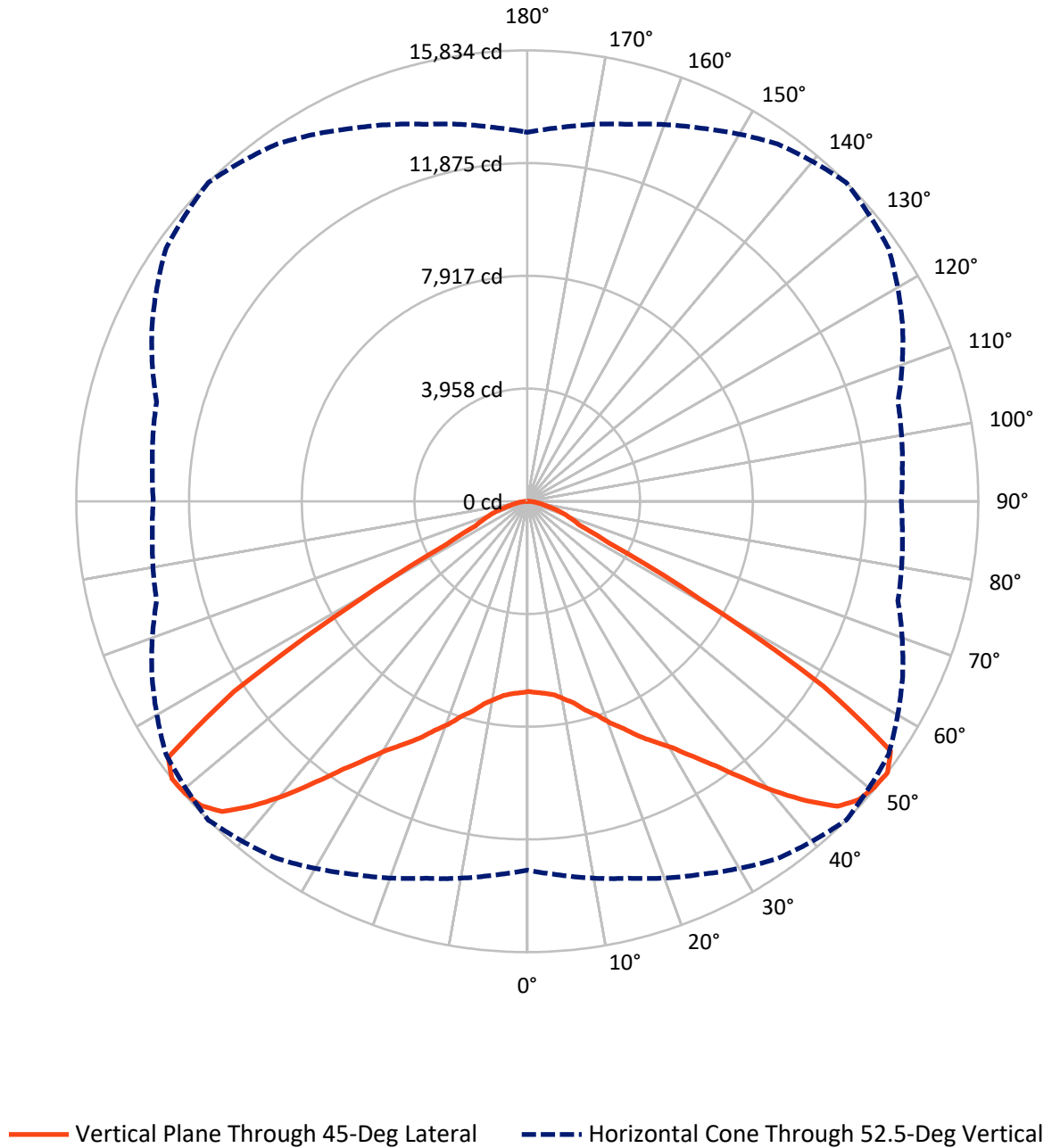
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19985.5	0.0	19985.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19985.5	0.0	19985.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39971.0	0.0	39971.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	656.5	1.6
10°-20°	2157.1	5.4
20°-30°	4106.7	10.3
30°-40°	7051.6	17.6
40°-50°	10838.5	27.1
50°-60°	11006.3	27.5
60°-70°	3067.3	7.7
70°-80°	904.8	2.3
80°-90°	182.3	0.5
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°	39971.0	100.0
0°-180°	39971.0	100.0

**Coefficient of Utilization**



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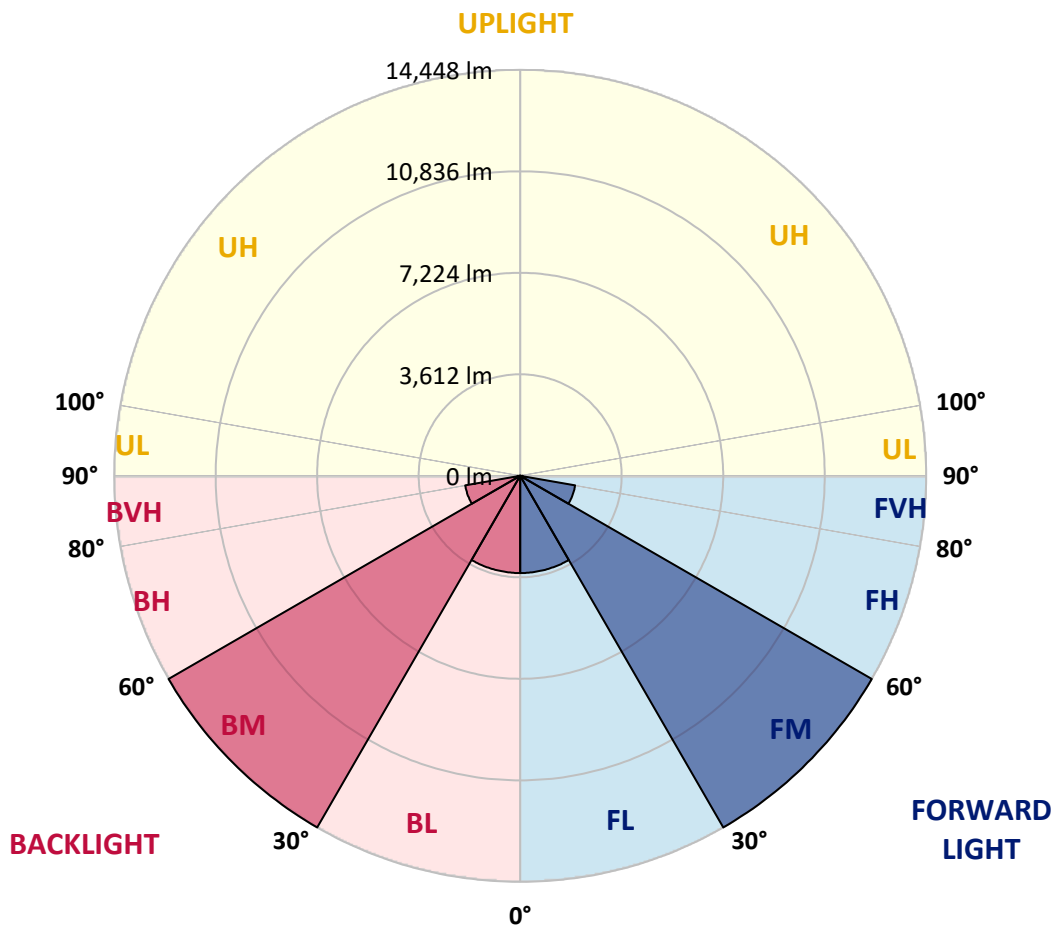
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3460.1	8.7			
FM (30°-60°)	14448.2	36.1			
FH (60°-80°)	1986.1	5.0			G2/5000
FVH (80°-90°)	91.1	0.2			G1/100
BL (0°-30°)	3460.1	8.7	B4/5000		
BM (30°-60°)	14448.2	36.1	B5		
BH (60°-80°)	1986.1	5.0	B3/2500		G2/5000
BVH (80°-90°)	91.1	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7	6681.7
2.5°	6696.6	6627.1	6651.9	6666.8	6731.3	6726.3	6711.4	6731.3	6751.1	6756.1	6746.2
5°	6691.6	6642.0	6661.8	6676.7	6741.2	6775.9	6766.0	6850.3	6909.9	6895.0	6969.4
7.5°	6651.9	6681.7	6656.9	6731.3	6785.8	6870.2	6959.5	7038.8	7113.2	7197.6	7212.4
10°	6741.2	6741.2	6785.8	6845.4	6989.2	7053.7	7182.7	7296.8	7440.6	7539.8	7500.1
12.5°	6835.5	6850.3	6850.3	7004.1	7123.2	7267.0	7386.1	7539.8	7743.2	7862.3	7921.8
15°	6929.7	6939.6	6989.2	7197.6	7376.1	7604.3	7713.4	7852.3	7966.4	8189.6	8194.6
17.5°	7014.0	7068.6	7217.4	7450.5	7673.8	7892.0	8065.6	8209.5	8308.7	8398.0	8378.1
20°	7331.5	7371.2	7524.9	7758.1	8090.4	8303.7	8363.3	8388.1	8452.5	8631.1	8576.6
22.5°	7639.0	7653.9	7797.8	8154.9	8388.1	8670.8	8735.3	8720.4	8745.2	8789.9	8869.2
25°	7956.5	7981.3	8179.7	8482.3	8809.7	9147.0	9201.6	9087.5	9052.8	9102.4	9107.3
27.5°	8363.3	8368.2	8621.2	8884.1	9256.1	9573.6	9657.9	9568.6	9404.9	9444.6	9509.1
30°	8879.1	8844.4	9097.4	9474.4	9866.3	10044.8	10188.7	10144.0	9965.5	9930.8	9876.2
32.5°	9474.4	9484.3	9712.5	10124.2	10382.1	10679.8	10833.5	10759.1	10645.1	10585.5	10620.2
35°	10312.7	10357.3	10511.1	10853.4	11270.1	11418.9	11661.9	11503.2	11205.6	11280.0	11344.5
37.5°	11002.2	11131.2	11418.9	11825.6	12073.7	12346.5	12435.8	12222.5	12004.2	11914.9	12128.2
40°	12058.8	12019.1	12336.6	12743.3	13110.4	13383.2	13269.1	13055.8	12515.1	12520.1	12579.6
42.5°	12966.5	12986.4	13229.4	13715.5	14216.6	14385.2	14023.1	13502.3	12902.0	12837.6	12966.5
45°	13730.4	13809.8	13948.7	14598.5	15089.6	15273.1	14603.5	13988.4	13184.8	12916.9	13130.2
47.5°	14003.3	14132.2	14434.8	15030.1	15516.2	15665.0	15129.3	14246.3	13447.7	13011.2	13125.3
50°	14042.9	13998.3	14494.3	15040.0	15466.6	15789.0	15317.8	14434.8	13383.2	13155.0	13120.3
52.5°	12956.6	13174.9	13705.6	14454.7	15317.8	15833.6	15486.4	14539.0	13472.5	13214.5	13130.2
55°	10486.3	10228.4	11195.7	12455.6	14042.9	15476.5	15426.9	14593.5	13527.1	13313.8	13199.7
57.5°	5853.3	5927.7	6473.3	7842.4	9891.1	12272.1	13715.5	14018.1	13502.3	13378.2	13437.8
60°	2708.4	2733.2	2966.3	3606.2	4876.1	6959.5	8859.3	10788.9	11676.8	11855.4	11855.4
62.5°	2018.9	2009.0	2068.5	2182.6	2450.4	3199.5	4270.9	5803.7	7023.9	7877.1	8100.4
65°	1825.4	1820.5	1850.2	1889.9	1909.8	2013.9	2252.0	2723.3	3120.1	3348.3	3308.6
67.5°	1597.3	1592.3	1602.2	1627.0	1661.7	1716.3	1775.8	1875.0	2013.9	2004.0	1979.2
70°	1289.7	1289.7	1304.6	1324.4	1364.1	1428.6	1498.0	1567.5	1686.5	1711.3	1706.4
72.5°	952.4	937.5	967.3	1007.0	1046.6	1126.0	1200.4	1264.9	1349.2	1374.0	1364.1
75°	605.2	615.1	634.9	679.6	749.0	803.6	883.0	937.5	992.1	1011.9	1016.9
77.5°	337.3	347.2	382.0	436.5	506.0	565.5	634.9	679.6	714.3	719.3	724.2
80°	203.4	208.3	243.1	292.7	352.2	416.7	471.2	515.9	545.6	530.8	525.8
82.5°	124.0	129.0	158.7	203.4	253.0	302.6	362.1	401.8	431.6	411.7	391.9
85°	64.5	69.4	94.2	124.0	163.7	188.5	188.5	168.7	163.7	153.8	148.8
87.5°	19.8	19.8	24.8	29.8	24.8	29.8	34.7	39.7	39.7	44.6	39.7
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)