

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: P382712

Luminaire Tested: **GAN-SA1A-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P382712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1A-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4787.2 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

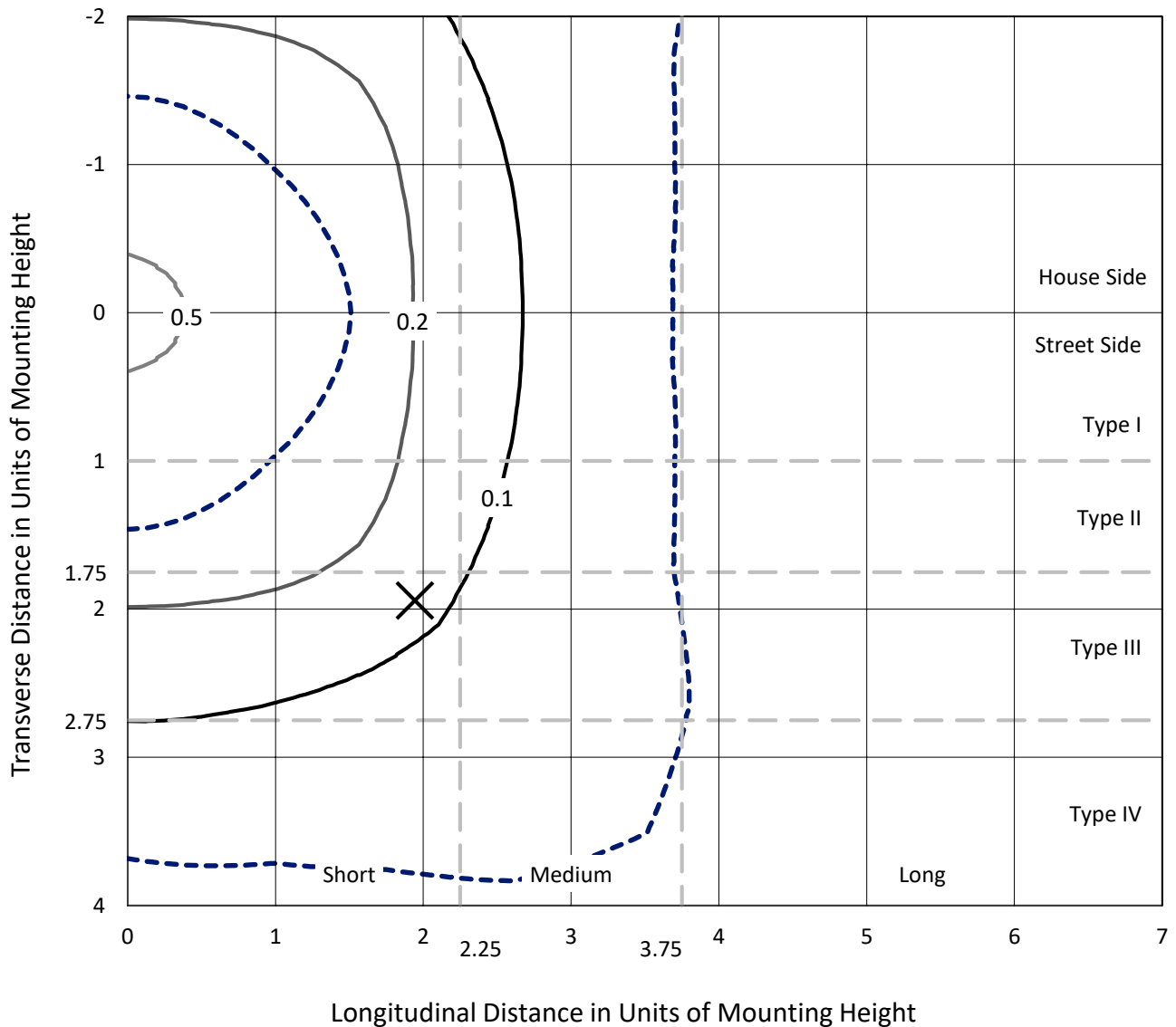
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

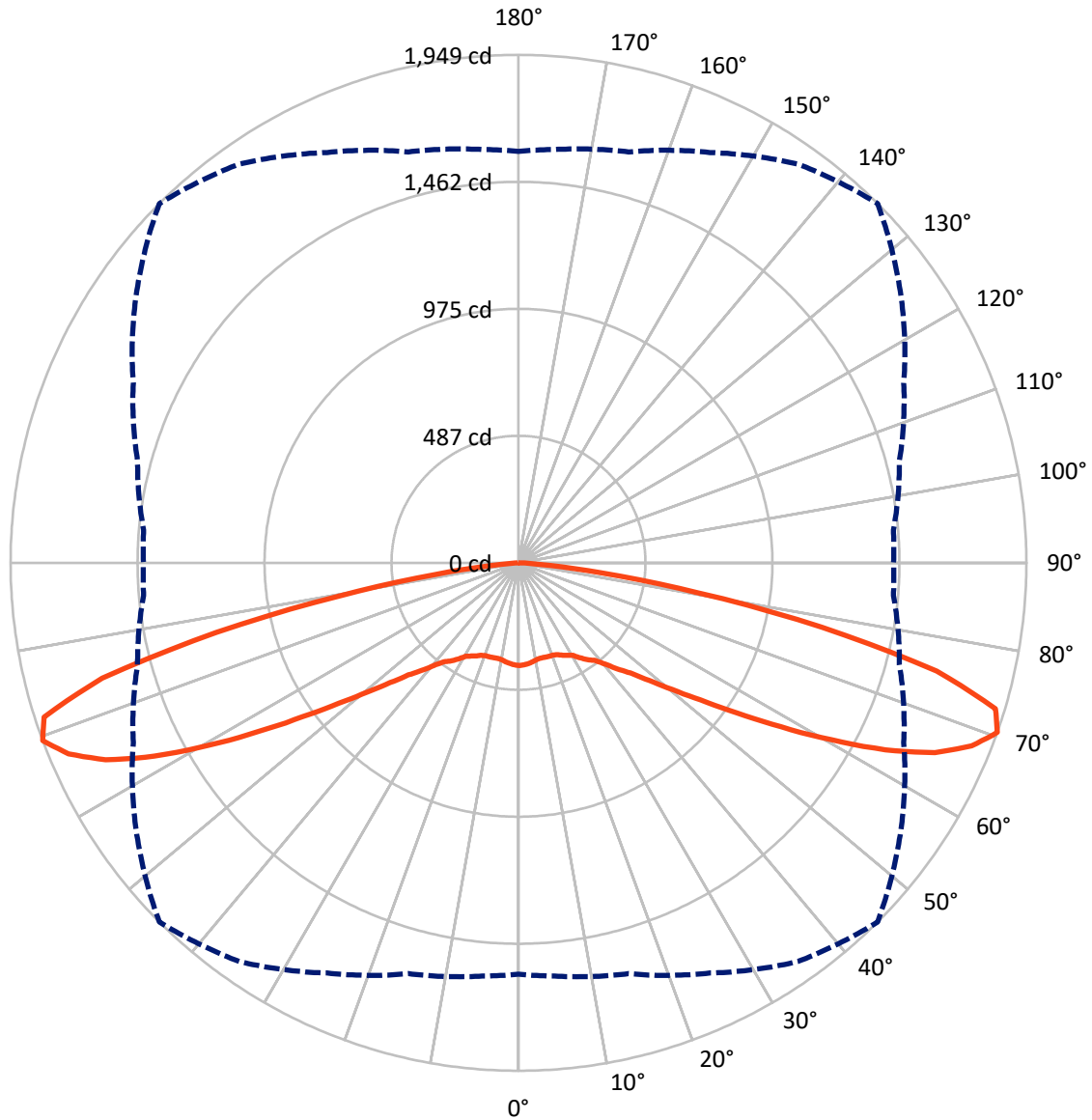
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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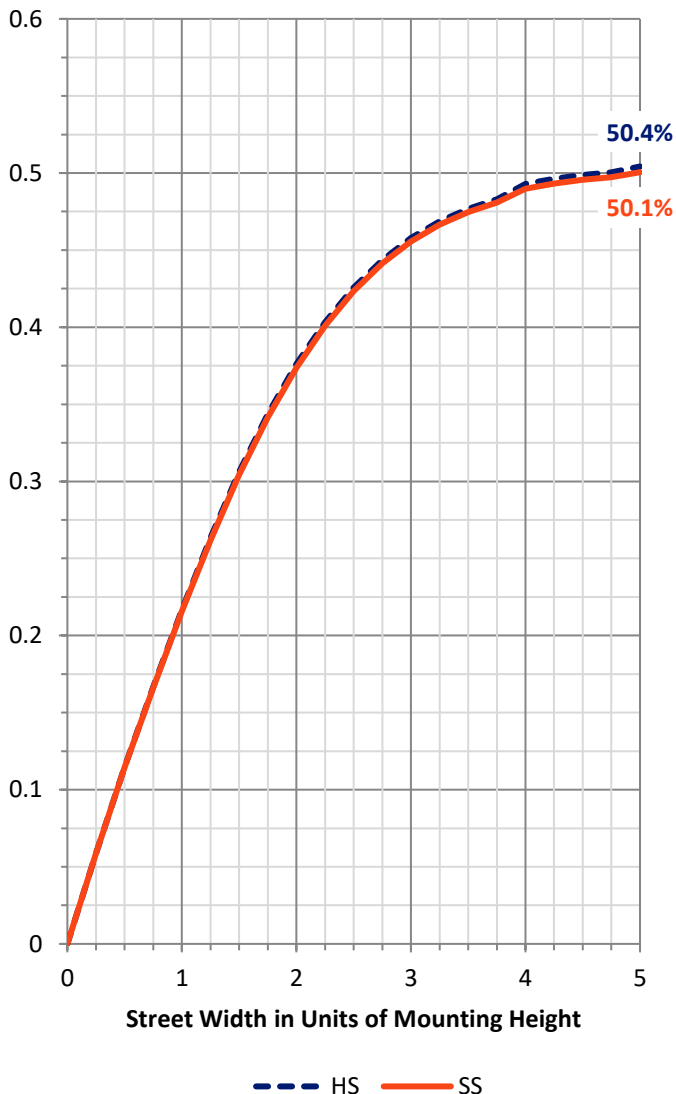
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2393.6	0.0	2393.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2393.6	0.0	2393.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4787.2	0.0	4787.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.8	0.8
10°-20°	107.4	2.2
20°-30°	183.1	3.8
30°-40°	286.1	6.0
40°-50°	485.0	10.1
50°-60°	884.4	18.5
60°-70°	1522.5	31.8
70°-80°	1193.4	24.9
80°-90°	88.5	1.8
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°	4787.2	100.0
0°-180°	4787.2	100.0



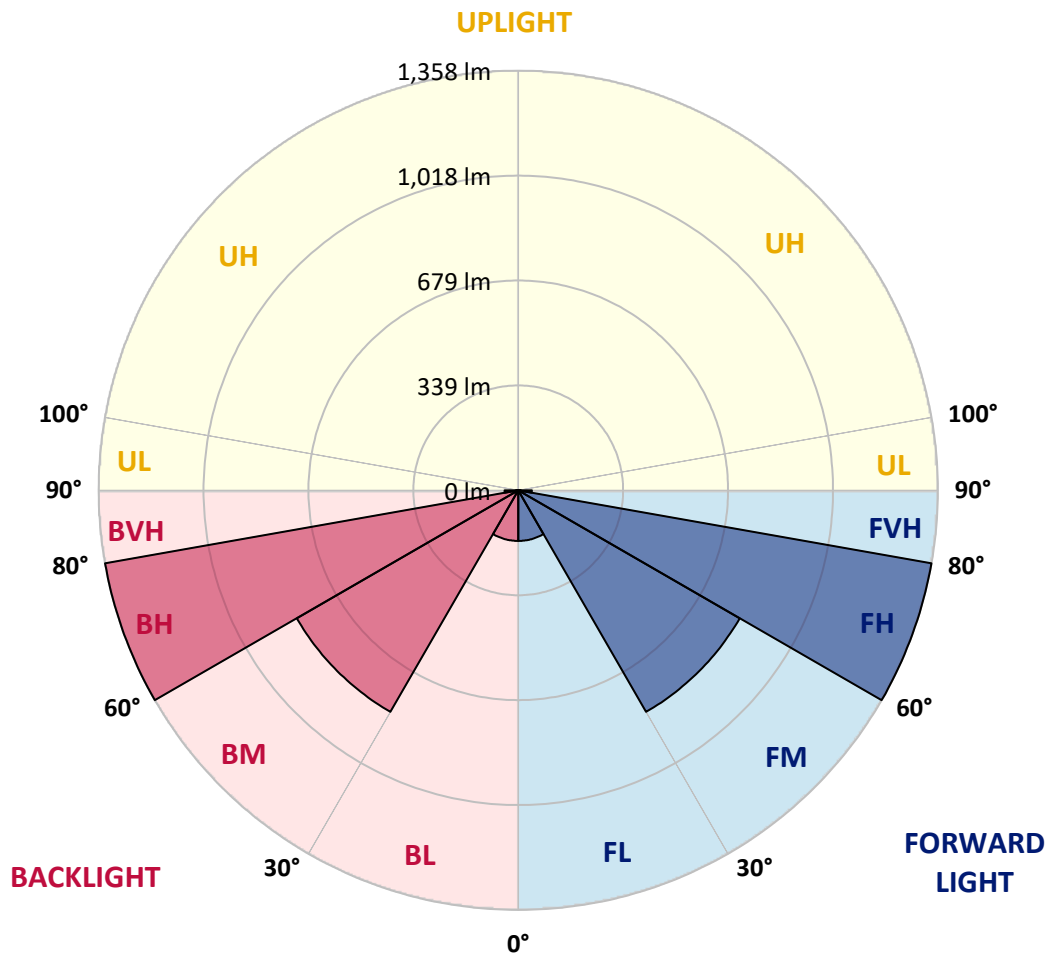
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.7	3.4			
FM (30°-60°)	827.7	17.3			
FH (60°-80°)	1358.0	28.4			G1/1800
FVH (80°-90°)	44.2	0.9			G1/100
BL (0°-30°)	163.7	3.4	B1/500		
BM (30°-60°)	827.7	17.3	B1/1000		
BH (60°-80°)	1358.0	28.4	B3/2500		G1/1800
BVH (80°-90°)	44.2	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	394.0	394.0	394.0	394.0	394.0	394.0	394.0	394.0	394.0	394.0	394.0
2.5°	392.3	392.7	392.3	392.6	391.8	392.1	392.1	392.1	391.9	392.1	391.8
5°	388.7	389.1	388.5	388.7	388.3	388.7	388.9	388.7	388.5	388.6	388.0
7.5°	383.5	383.9	383.4	383.9	383.2	384.0	383.9	383.4	382.9	382.9	382.3
10°	380.7	380.8	379.6	379.1	377.6	378.0	378.5	379.0	379.4	380.4	380.3
12.5°	380.8	380.8	379.0	376.9	374.9	375.3	376.1	377.8	379.7	381.5	381.7
15°	382.4	382.3	379.4	376.1	374.7	376.1	376.5	377.6	380.7	383.7	383.9
17.5°	383.5	383.5	379.1	375.3	375.1	377.4	377.2	377.6	381.0	385.5	385.6
20°	385.6	385.6	379.9	375.8	375.8	378.1	378.3	379.1	382.4	387.3	388.2
22.5°	390.2	390.3	384.4	381.0	381.3	382.8	383.2	384.4	387.5	392.9	393.9
25°	396.7	397.0	390.8	388.9	390.0	392.7	392.4	393.4	396.7	401.9	402.9
27.5°	405.7	404.9	399.3	398.4	399.5	401.4	401.3	401.4	404.1	408.9	410.0
30°	417.4	417.1	413.0	413.4	413.0	412.4	412.5	413.8	415.2	419.0	420.1
32.5°	428.8	429.2	426.6	429.0	432.4	434.8	431.2	427.7	426.1	428.2	429.2
35°	449.4	450.2	446.2	444.6	449.4	456.4	446.1	440.3	443.5	446.2	447.0
37.5°	484.4	484.9	478.3	471.9	468.4	475.1	464.7	465.2	476.3	481.4	481.2
40°	524.3	524.5	520.1	514.5	508.4	510.0	505.9	507.2	514.5	519.1	520.4
42.5°	571.8	571.3	564.4	556.5	554.7	556.3	549.3	548.4	556.8	565.0	565.2
45°	633.5	632.3	623.3	614.5	606.2	602.7	600.9	605.5	617.2	624.7	624.9
47.5°	699.8	696.8	692.0	685.1	677.8	674.3	671.5	673.6	682.1	685.1	685.3
50°	768.1	768.6	769.6	766.9	764.2	763.1	755.7	751.4	753.9	748.4	747.6
52.5°	848.9	850.2	859.4	867.2	871.7	874.2	860.0	845.3	837.1	826.3	823.1
55°	944.4	946.5	960.0	981.5	1003.6	1015.4	989.9	962.3	936.9	916.7	910.2
57.5°	1050.9	1054.5	1073.0	1114.3	1159.8	1187.5	1144.4	1094.4	1045.1	1016.1	1011.1
60°	1175.6	1179.2	1204.8	1264.0	1337.6	1379.2	1314.0	1232.2	1170.9	1143.2	1133.8
62.5°	1324.2	1324.5	1356.0	1425.2	1522.4	1580.4	1492.1	1382.6	1319.4	1286.0	1277.0
65°	1484.0	1484.7	1517.4	1592.1	1692.6	1755.7	1655.9	1541.9	1464.7	1415.4	1408.4
67.5°	1596.9	1600.2	1634.6	1724.5	1818.6	1875.4	1772.2	1643.2	1553.9	1495.2	1489.4
70°	1578.8	1591.8	1632.2	1737.1	1867.9	1949.1	1791.0	1631.2	1513.4	1444.1	1439.1
72.5°	1376.9	1401.8	1455.6	1593.4	1802.5	1914.2	1688.2	1460.9	1327.6	1268.6	1259.7
75°	937.6	978.0	1059.3	1258.0	1540.0	1657.3	1421.3	1164.9	1039.4	957.7	951.8
77.5°	418.1	427.2	530.1	759.0	1062.7	1190.2	1032.6	762.0	572.0	456.2	431.9
80°	116.5	117.9	157.4	282.6	531.9	699.3	571.0	296.9	166.9	117.7	110.9
82.5°	37.1	40.2	49.1	73.3	178.8	319.1	183.5	79.2	56.4	45.0	40.5
85°	18.1	17.9	24.9	29.8	45.6	70.6	48.6	36.7	32.1	21.3	19.3
87.5°	7.6	7.7	11.6	10.4	13.3	11.4	15.6	16.5	17.2	9.5	8.2
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)