

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: P452222

Luminaire Tested: **GLAN-SA3A-830-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11354 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

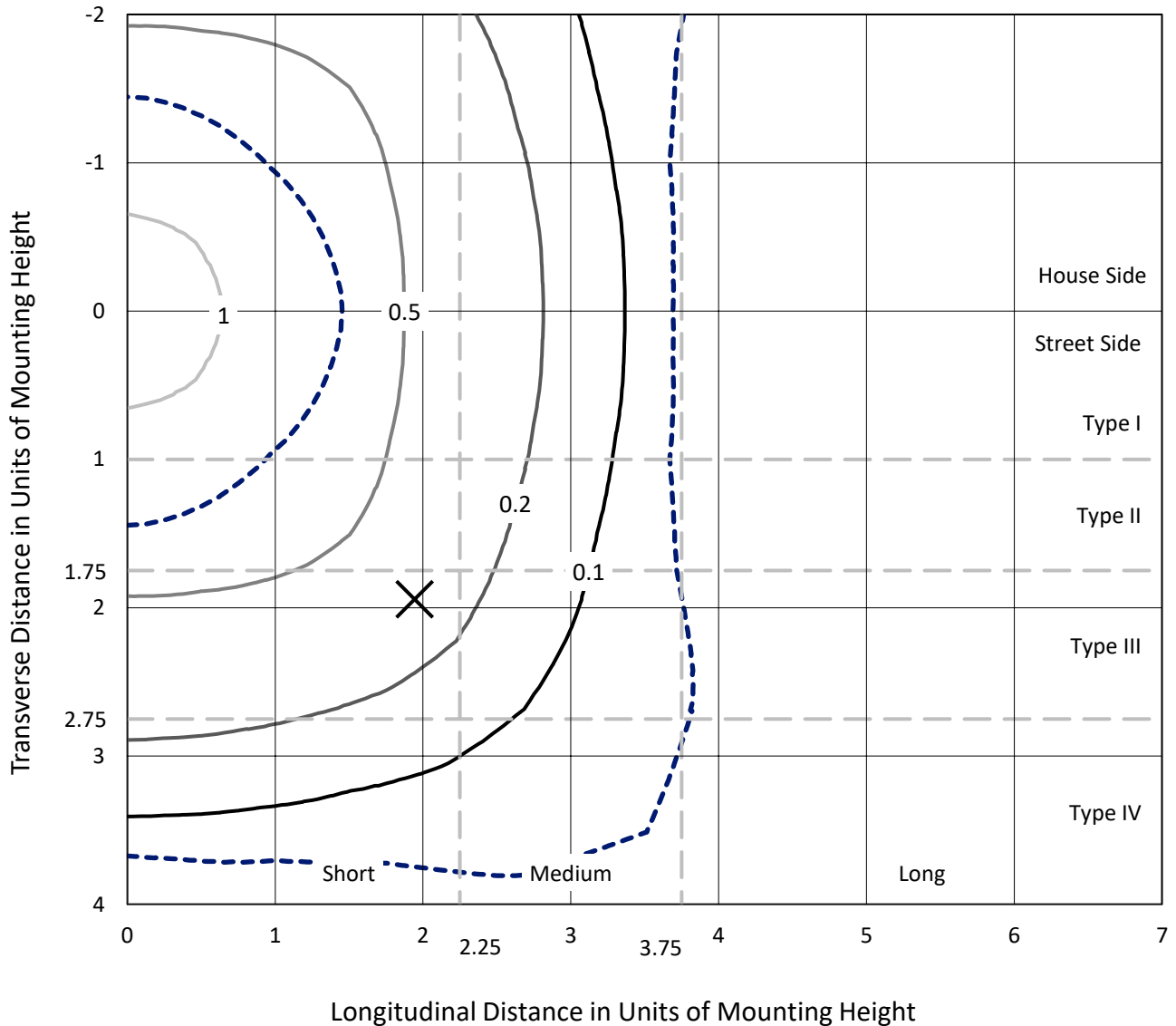
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

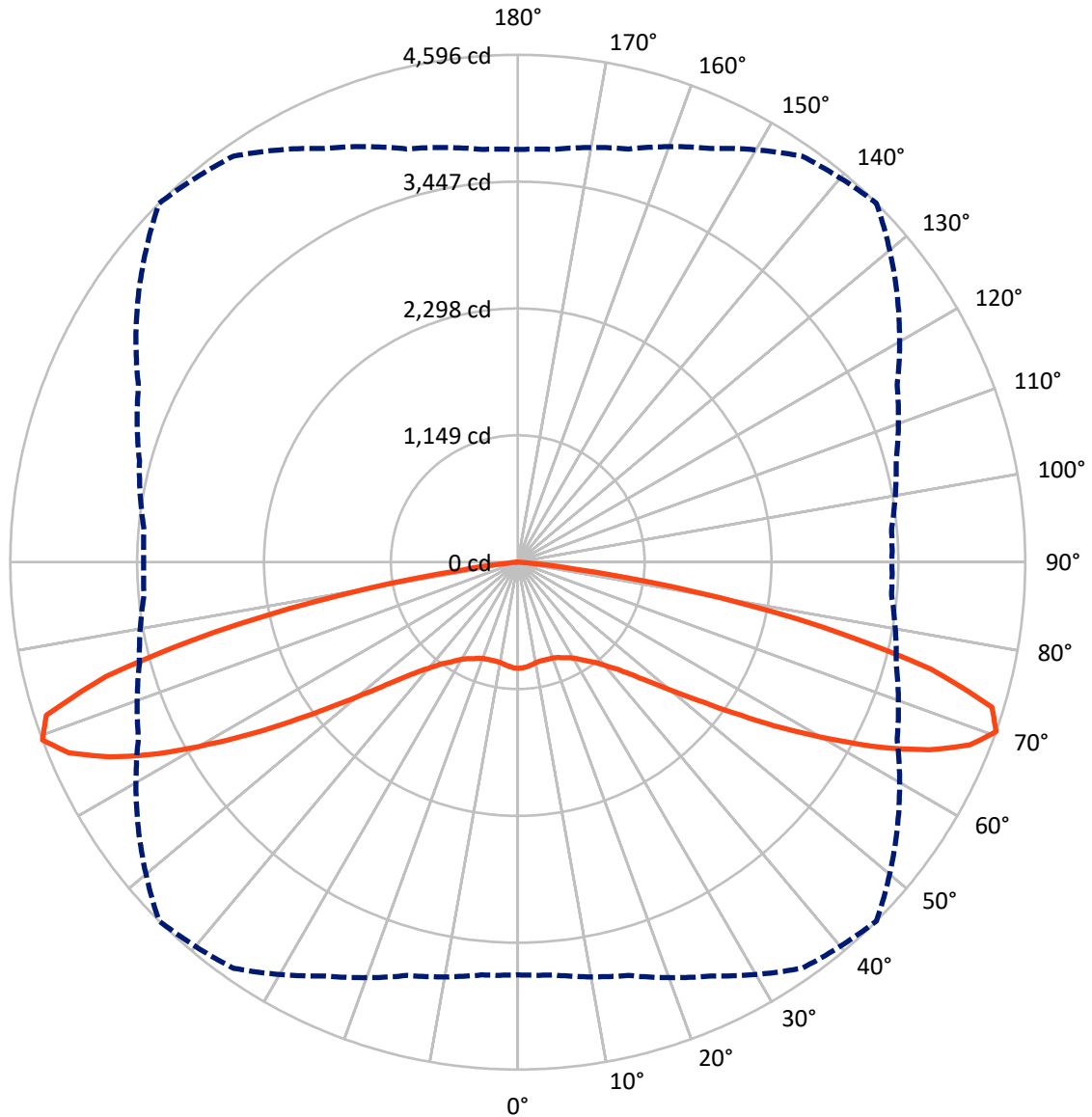
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	5677.0	0.0	5677.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5677.0	0.0	5677.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11354.0	0.0	11354.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	0.8
10°-20°	263.2	2.3
20°-30°	448.4	3.9
30°-40°	695.0	6.1
40°-50°	1169.8	10.3
50°-60°	2128.4	18.7
60°-70°	3603.2	31.7
70°-80°	2789.1	24.6
80°-90°	167.1	1.5
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°	11354.0	100.0
0°-180°	11354.0	100.0

**Coefficient of Utilization**



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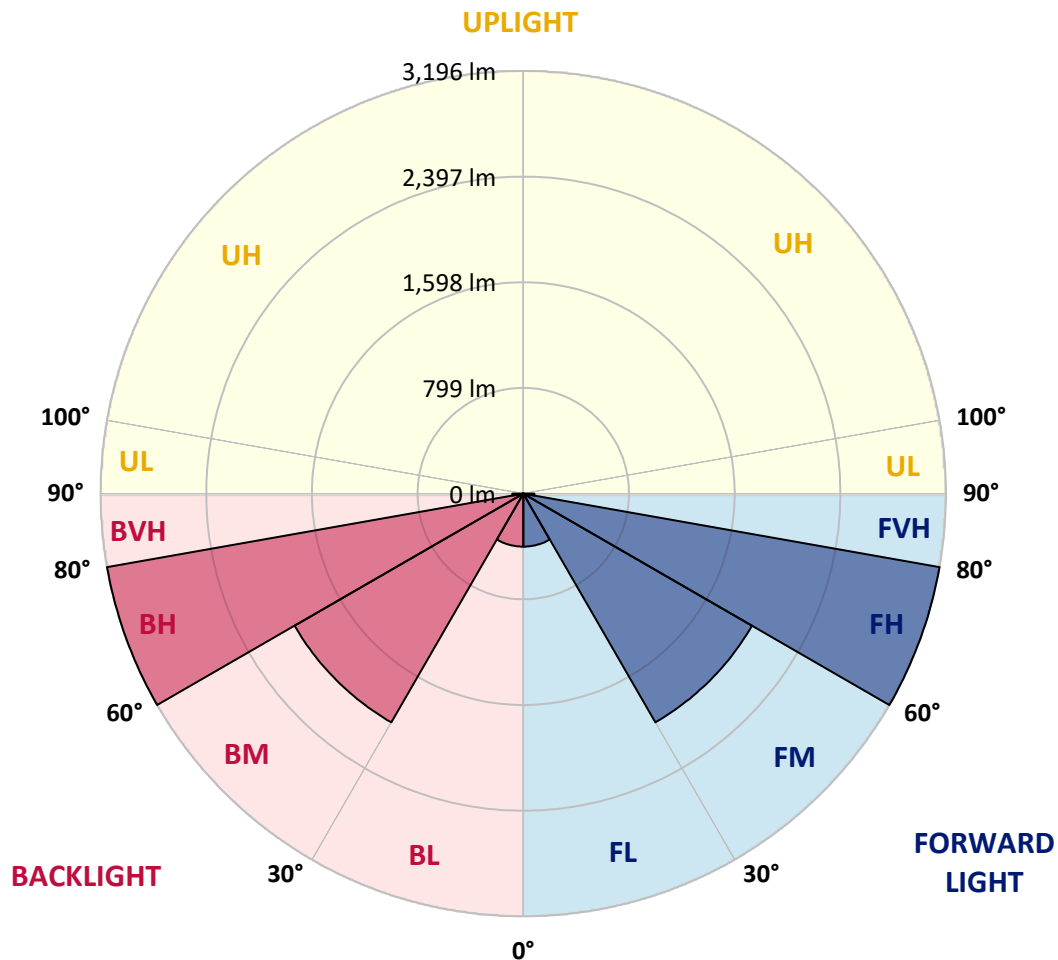
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.7	3.5			
FM (30°-60°)	1996.6	17.6			
FH (60°-80°)	3196.1	28.1			G2/5000
FVH (80°-90°)	83.6	0.7			G1/100
BL (0°-30°)	400.7	3.5	B1/500		
BM (30°-60°)	1996.6	17.6	B2/2500		
BH (60°-80°)	3196.1	28.1	B4/5000		G2/5000
BVH (80°-90°)	83.6	0.7			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3
2.5°	958.9	959.5	959.5	958.3	957.7	957.7	957.1	957.1	958.9	959.5	960.1
5°	950.5	950.5	950.5	949.9	948.7	948.7	947.5	947.5	948.1	949.9	948.7
7.5°	939.1	940.3	940.3	937.9	936.1	936.1	935.5	936.1	936.7	938.5	937.9
10°	935.5	936.1	933.1	928.9	925.9	924.1	924.7	925.9	928.9	930.1	930.7
12.5°	937.9	937.9	932.5	926.5	921.1	918.7	918.1	922.3	927.7	931.3	932.5
15°	940.9	939.7	933.1	925.3	919.9	919.3	918.7	921.7	929.5	936.7	937.3
17.5°	942.7	942.1	933.7	924.1	921.1	921.1	920.5	922.9	931.3	940.3	940.9
20°	948.7	946.9	937.3	927.1	924.7	925.9	924.1	927.1	936.1	946.9	949.3
22.5°	960.7	958.9	949.3	939.1	937.9	937.9	937.3	940.3	949.9	961.3	963.1
25°	975.0	973.2	964.3	957.1	958.3	960.7	959.5	960.1	967.9	977.4	980.4
27.5°	994.2	991.2	983.4	977.4	981.0	981.0	981.0	980.4	985.2	994.2	997.2
30°	1017.6	1016.4	1008.0	1007.4	1010.4	1007.4	1007.4	1008.0	1008.6	1017.0	1020.0
32.5°	1048.2	1045.8	1041.6	1040.4	1048.8	1051.2	1042.8	1035.0	1039.2	1047.6	1049.4
35°	1098.6	1095.0	1089.0	1082.4	1089.0	1100.4	1082.4	1076.4	1087.2	1098.6	1099.8
37.5°	1166.9	1165.1	1155.5	1143.6	1143.0	1154.9	1136.4	1135.8	1156.1	1169.9	1171.7
40°	1252.7	1254.5	1242.5	1231.1	1225.1	1234.7	1220.3	1225.7	1245.5	1261.1	1259.9
42.5°	1373.2	1366.6	1348.0	1337.2	1330.6	1327.0	1323.4	1331.8	1354.0	1370.8	1384.0
45°	1514.1	1511.7	1488.4	1475.2	1460.8	1455.4	1454.2	1469.2	1496.2	1516.5	1518.3
47.5°	1673.7	1668.3	1653.3	1639.5	1634.1	1627.5	1621.5	1632.9	1659.9	1674.3	1678.4
50°	1838.0	1839.2	1839.2	1836.8	1842.2	1843.4	1827.2	1831.4	1846.4	1845.2	1844.0
52.5°	2025.7	2032.2	2063.4	2066.4	2092.2	2109.6	2080.2	2062.8	2057.4	2025.1	2027.5
55°	2246.3	2252.3	2299.1	2345.9	2415.4	2444.8	2383.0	2329.1	2290.7	2241.5	2243.9
57.5°	2521.6	2524.6	2568.9	2658.9	2769.2	2838.2	2729.7	2622.9	2545.0	2498.2	2479.6
60°	2817.8	2820.8	2885.6	2995.3	3166.8	3250.8	3116.4	2941.9	2843.6	2772.2	2777.0
62.5°	3173.4	3185.4	3243.6	3394.7	3602.8	3696.9	3518.8	3285.5	3152.4	3063.7	3067.3
65°	3554.2	3574.6	3638.1	3804.2	3996.1	4097.5	3879.2	3610.0	3444.4	3335.9	3347.3
67.5°	3801.2	3819.2	3911.0	4094.5	4333.7	4417.7	4135.9	3822.2	3615.4	3485.8	3461.8
70°	3738.3	3753.3	3875.6	4135.9	4490.3	4596.4	4197.0	3791.1	3547.6	3398.3	3388.7
72.5°	3299.9	3268.7	3447.4	3821.0	4311.6	4489.7	4004.5	3462.4	3156.0	3002.5	2984.5
75°	2187.0	2254.7	2518.6	2958.7	3647.7	3868.4	3418.1	2780.0	2394.4	2266.7	2246.9
77.5°	731.0	783.2	1017.6	1677.2	2486.8	2818.4	2490.4	1818.2	1286.3	1036.2	1041.0
80°	193.7	191.3	247.7	461.1	1074.6	1632.3	1250.9	615.9	337.0	244.1	231.5
82.5°	69.6	78.0	100.1	127.7	284.8	507.3	358.0	172.7	126.5	93.5	90.5
85°	30.6	30.0	43.2	51.0	71.4	94.7	84.0	73.2	64.2	42.6	39.6
87.5°	6.6	6.6	10.2	7.8	12.6	12.6	15.6	18.6	19.2	12.6	10.2
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)