

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: P528093

Luminaire Tested: **GLAN-SA3A-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-830-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7452 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

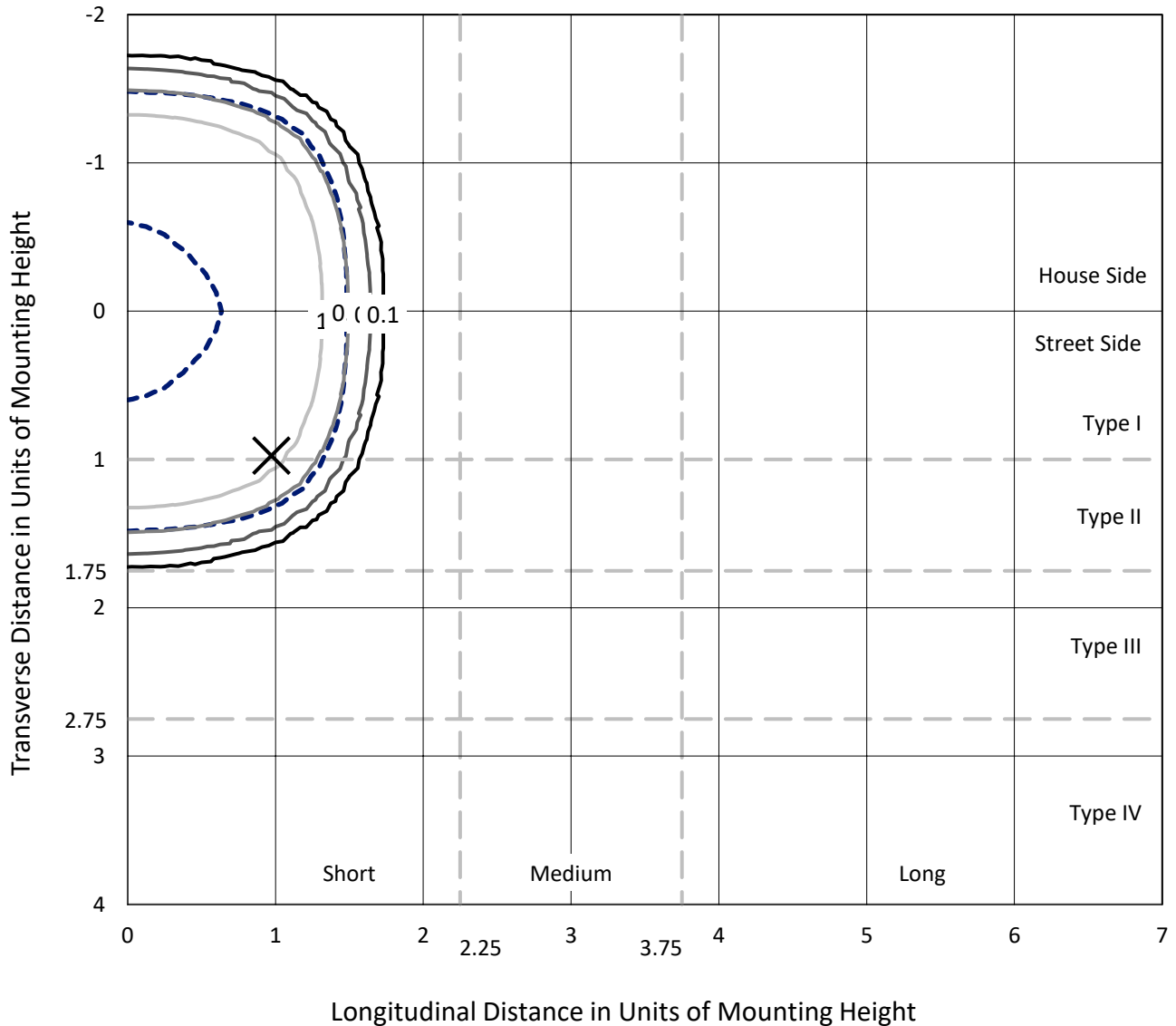
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

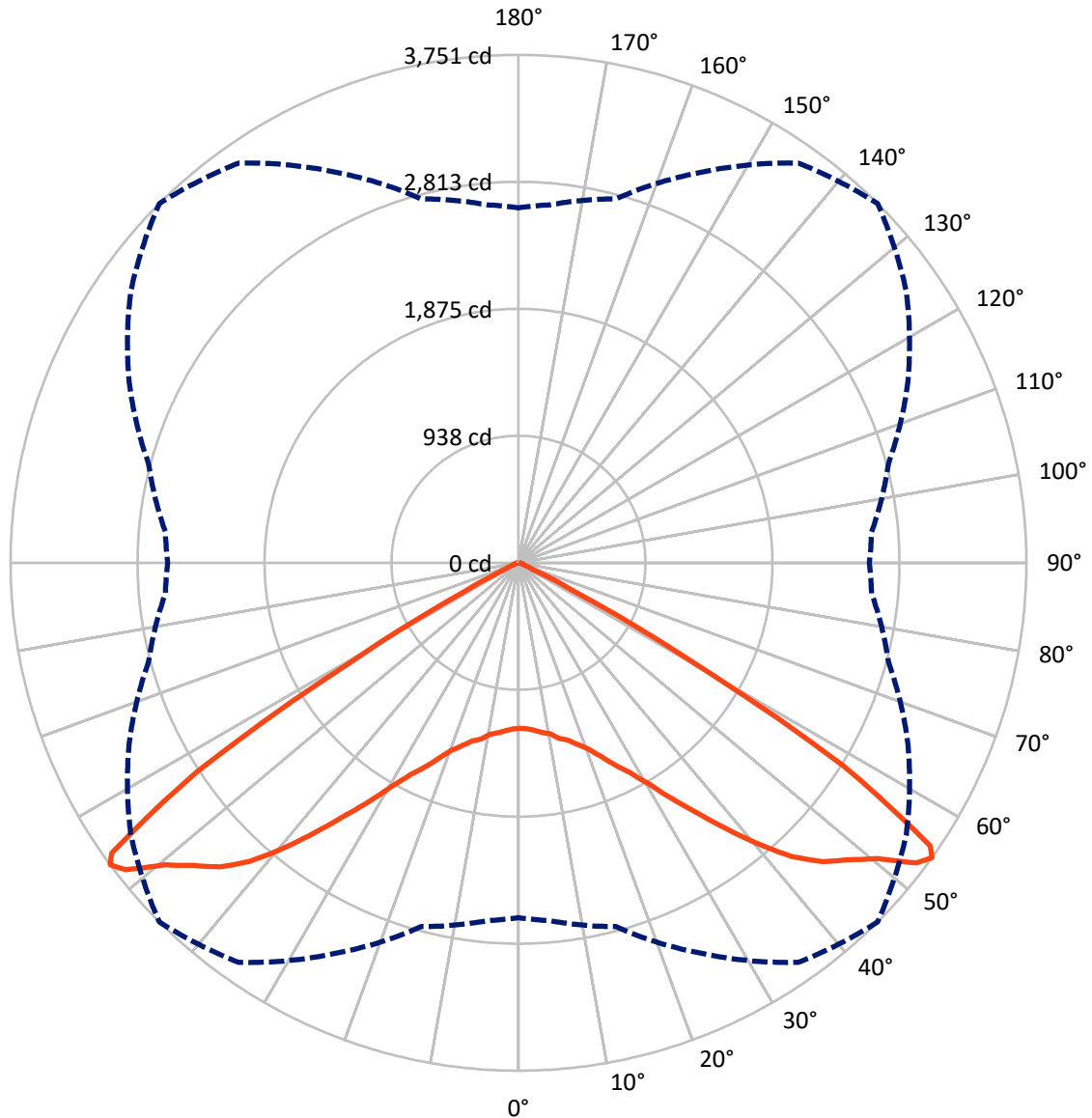
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 54-Deg Vertical

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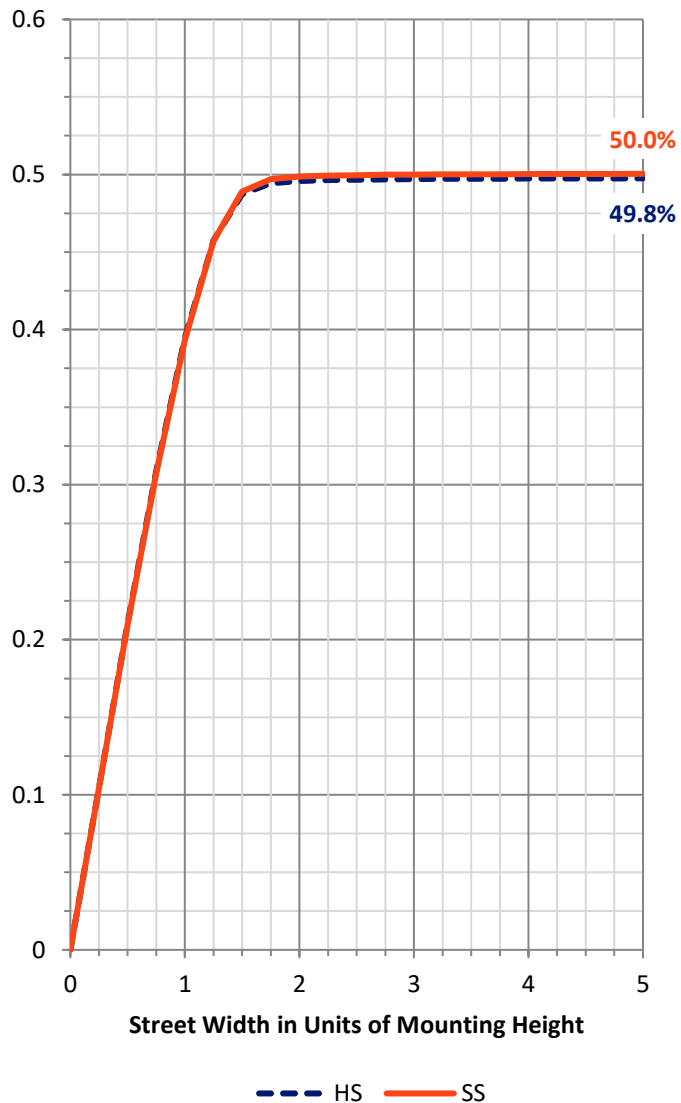
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3726.0	0.0	3726.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3726.0	0.0	3726.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7452.0	0.0	7452.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	1.6
10°-20°	387.3	5.2
20°-30°	759.1	10.2
30°-40°	1365.0	18.3
40°-50°	2336.6	31.4
50°-60°	2260.8	30.3
60°-70°	193.5	2.6
70°-80°	22.9	0.3
80°-90°	7.2	0.1
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°	7452.0	100.0
0°-180°	7452.0	100.0

**Coefficient of Utilization**

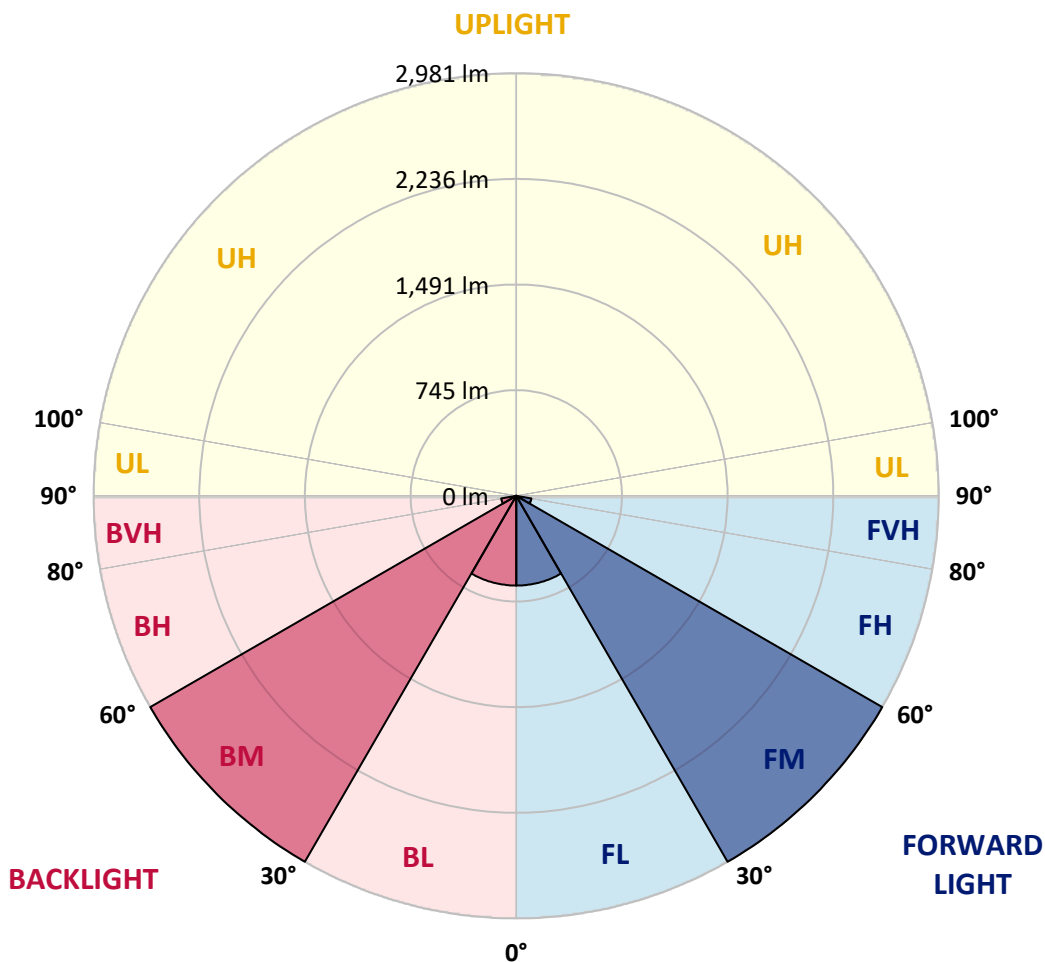


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	633.0	8.5			
FM (30°-60°)	2981.2	40.0			
FH (60°-80°)	108.2	1.5			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	633.0	8.5	B2/1000		
BM (30°-60°)	2981.2	40.0	B3/5000		
BH (60°-80°)	108.2	1.5	B0/110		G0/660
BVH (80°-90°)	3.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9	1221.9
2.5°	1227.8	1234.9	1230.2	1233.7	1233.7	1227.8	1231.3	1217.2	1226.6	1219.5	1220.7
5°	1246.7	1245.5	1245.5	1246.7	1242.0	1244.3	1239.6	1234.9	1231.3	1226.6	1240.8
7.5°	1270.3	1270.3	1262.0	1264.4	1262.0	1265.6	1256.1	1246.7	1243.1	1239.6	1237.2
10°	1292.7	1290.4	1286.8	1297.5	1289.2	1284.5	1279.7	1273.8	1260.9	1256.1	1251.4
12.5°	1325.8	1324.6	1319.9	1330.5	1325.8	1330.5	1312.8	1297.5	1295.1	1279.7	1288.0
15°	1364.7	1375.4	1367.1	1367.1	1364.7	1358.8	1351.8	1344.7	1323.4	1317.5	1318.7
17.5°	1415.5	1412.0	1413.1	1413.1	1425.0	1409.6	1395.4	1377.7	1367.1	1363.6	1351.8
20°	1463.9	1468.6	1467.5	1475.7	1482.8	1466.3	1450.9	1448.6	1419.1	1423.8	1407.2
22.5°	1548.9	1545.4	1551.3	1557.2	1552.5	1550.1	1535.9	1518.2	1492.2	1480.4	1478.1
25°	1638.6	1632.7	1622.1	1636.3	1643.4	1654.0	1626.8	1617.4	1577.2	1559.5	1560.7
27.5°	1715.4	1723.6	1735.4	1741.3	1759.1	1755.5	1736.6	1705.9	1675.2	1655.2	1642.2
30°	1820.4	1825.2	1845.2	1853.5	1884.2	1892.5	1862.9	1827.5	1773.2	1747.3	1731.9
32.5°	1917.3	1950.3	1949.1	1990.5	2040.0	2074.3	2021.1	1966.8	1912.5	1881.8	1854.7
35°	2074.3	2068.4	2102.6	2146.3	2226.6	2265.5	2207.7	2145.1	2062.5	2012.9	1991.6
37.5°	2220.7	2223.0	2269.1	2338.7	2430.8	2491.0	2440.2	2337.5	2252.5	2188.8	2159.3
40°	2433.2	2437.9	2485.1	2564.2	2668.1	2733.0	2674.0	2570.1	2456.8	2407.2	2407.2
42.5°	2682.3	2702.3	2733.0	2801.5	2894.8	2966.8	2913.7	2832.2	2717.7	2653.9	2663.4
45°	2938.5	2947.9	2968.0	3069.5	3113.2	3148.6	3099.0	3061.2	2984.5	2906.6	2893.6
47.5°	3178.1	3181.7	3240.7	3272.6	3306.8	3277.3	3309.2	3259.6	3173.4	3097.8	3082.5
50°	3284.4	3278.5	3362.3	3459.1	3485.1	3433.1	3406.0	3372.9	3241.9	3151.0	3110.8
52.5°	2975.1	3009.3	3165.1	3434.3	3637.4	3681.0	3522.8	3370.5	3126.2	2949.1	2921.9
54°	2620.9	2652.8	2781.4	3180.5	3603.1	3750.7	3495.7	3172.2	2827.5	2617.3	2590.2
55°	2270.2	2234.8	2468.6	2875.9	3442.6	3689.3	3388.3	2916.0	2521.7	2329.3	2291.5
57.5°	1229.0	1234.9	1432.0	1816.9	2419.0	2828.7	2498.1	1972.7	1489.9	1273.8	1255.0
60°	389.6	399.0	485.2	734.3	1155.8	1380.1	1182.9	792.2	547.8	439.2	421.5
62.5°	121.6	126.3	138.1	205.4	316.4	452.2	354.2	212.5	158.2	145.2	147.6
65°	74.4	74.4	75.6	80.3	94.4	109.8	106.3	93.3	89.7	87.4	86.2
67.5°	48.4	47.2	49.6	53.1	55.5	56.7	60.2	63.8	62.6	60.2	60.2
70°	29.5	28.3	30.7	35.4	36.6	39.0	42.5	47.2	46.0	43.7	44.9
72.5°	16.5	16.5	17.7	21.3	24.8	27.2	30.7	34.2	35.4	34.2	34.2
75°	5.9	7.1	9.4	13.0	15.3	18.9	22.4	26.0	29.5	27.2	26.0
77.5°	2.4	2.4	4.7	8.3	11.8	15.3	21.3	24.8	27.2	24.8	22.4
80°	1.2	1.2	3.5	7.1	10.6	14.2	17.7	21.3	22.4	20.1	17.7
82.5°	1.2	1.2	3.5	7.1	10.6	13.0	18.9	21.3	23.6	21.3	17.7
85°	0.0	1.2	3.5	7.1	9.4	10.6	10.6	7.1	5.9	3.5	3.5
87.5°	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)