

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: P649785

Luminaire Tested: **GLAN-SA3A-835-U-5MQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649785  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-835-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11211 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

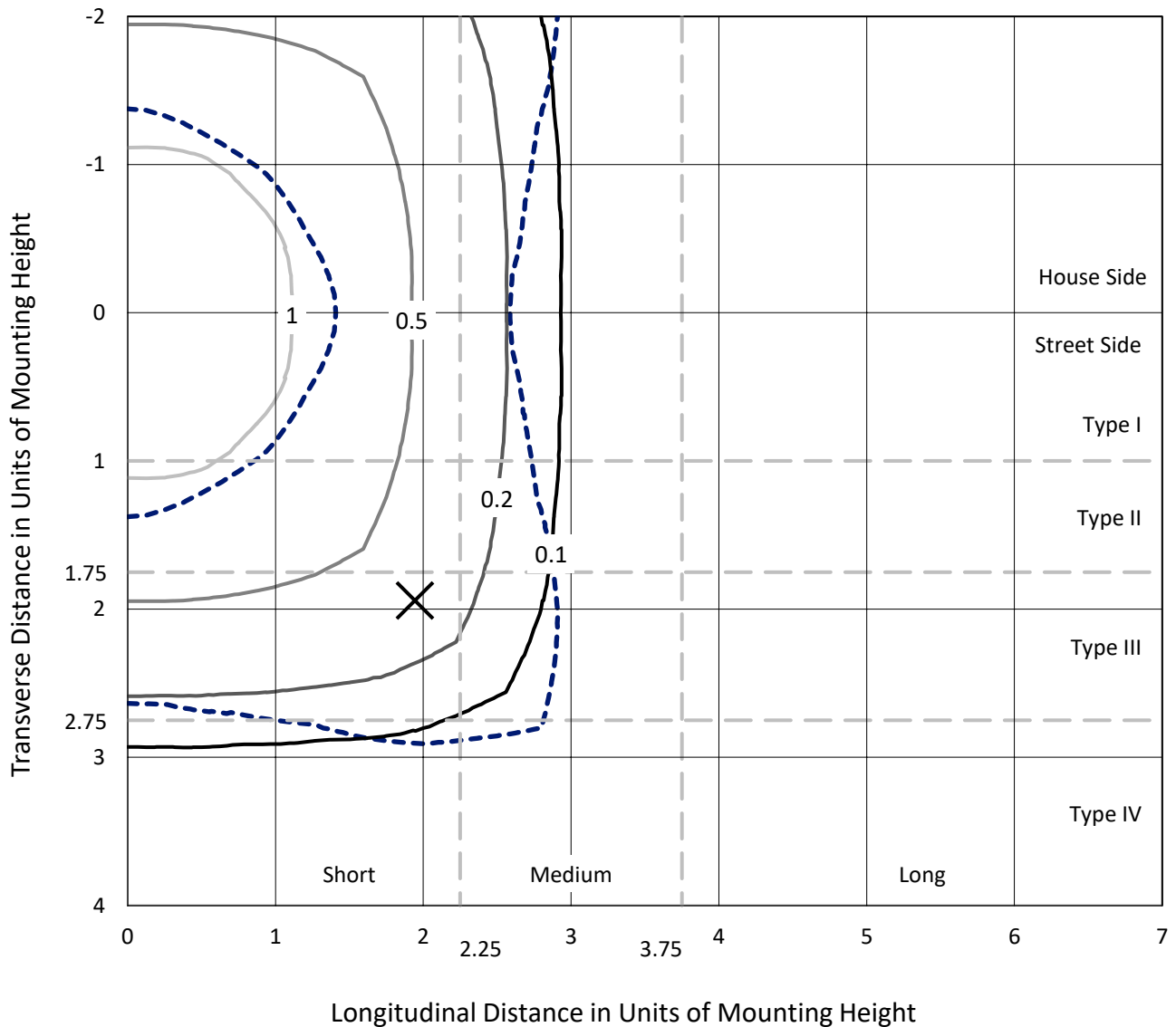
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

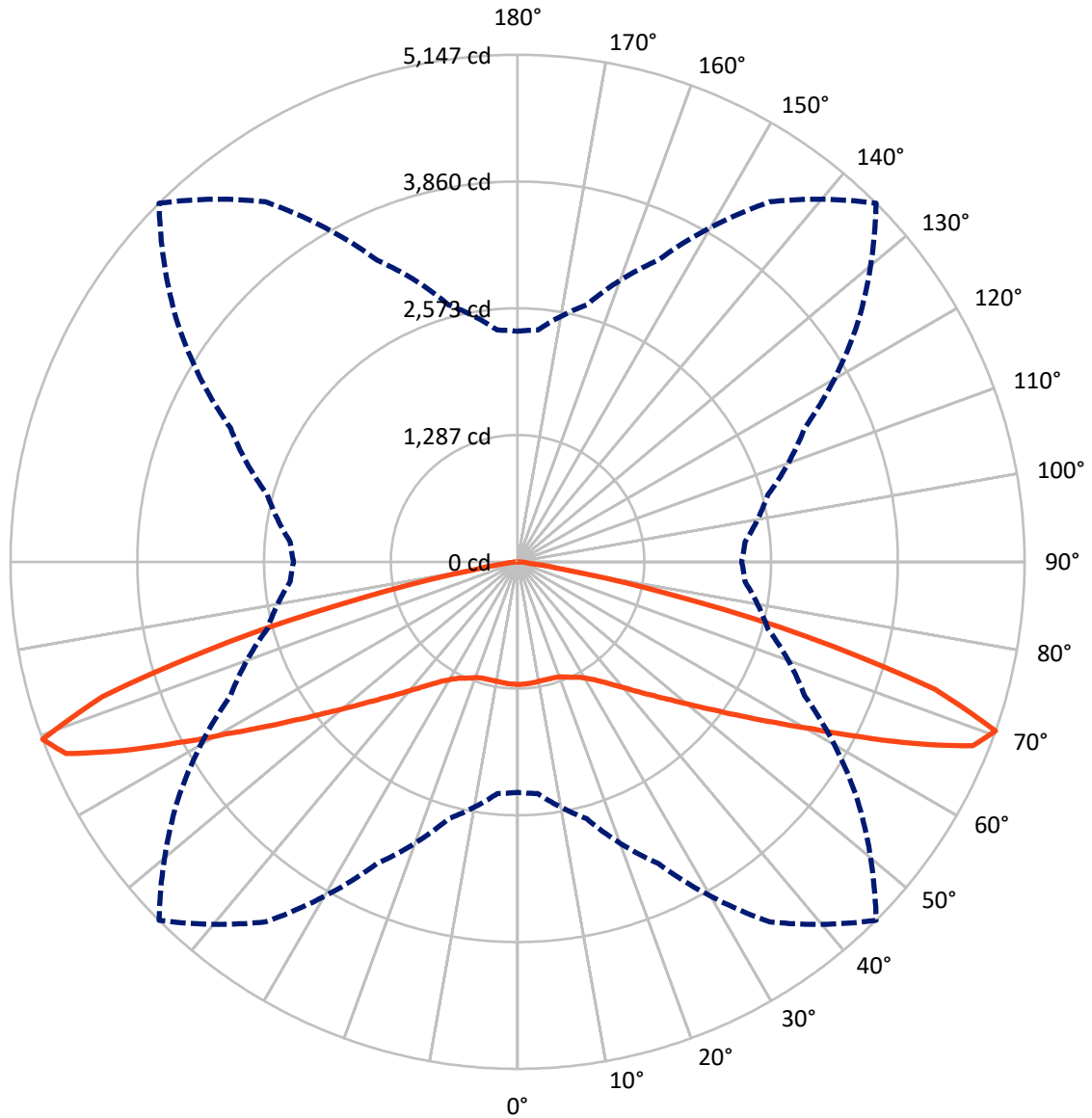
× Max cd  
 - - - 1/2 Max cd



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 70-Deg Vertical

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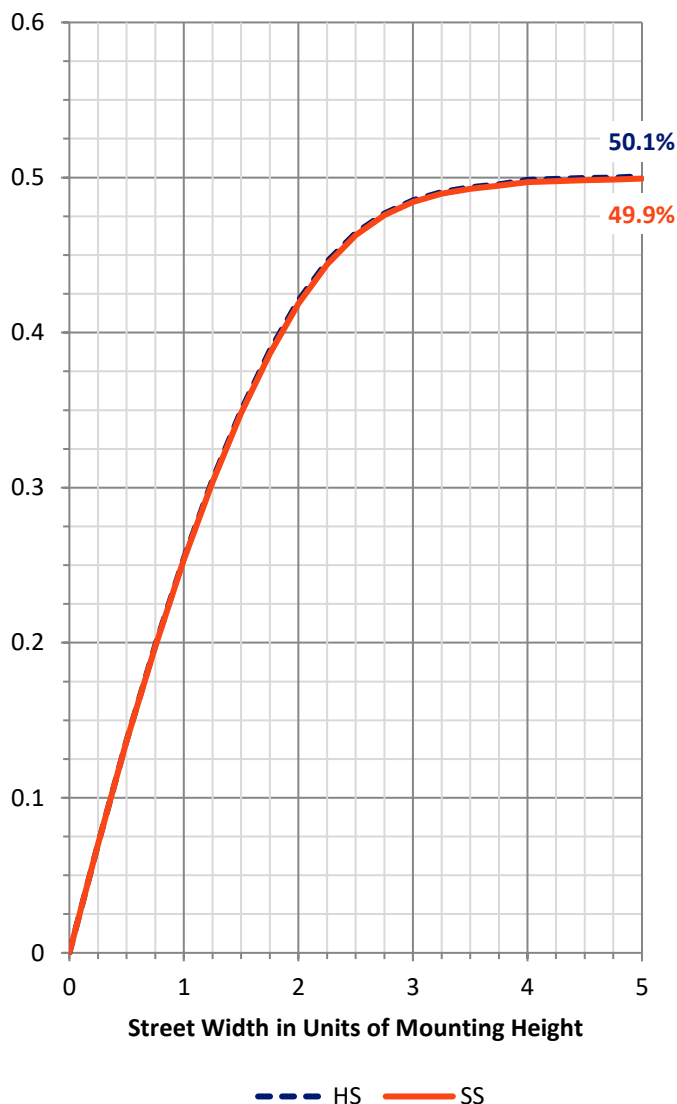
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5605.5	0.0	5605.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5605.5	0.0	5605.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11211.0	0.0	11211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.1	1.1
10°-20°	346.4	3.1
20°-30°	592.5	5.3
30°-40°	940.4	8.4
40°-50°	1517.1	13.5
50°-60°	2468.4	22.0
60°-70°	3578.3	31.9
70°-80°	1587.2	14.2
80°-90°	62.6	0.6
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°	11211.0	100.0
0°-180°	11211.0	100.0

**Coefficient of Utilization**

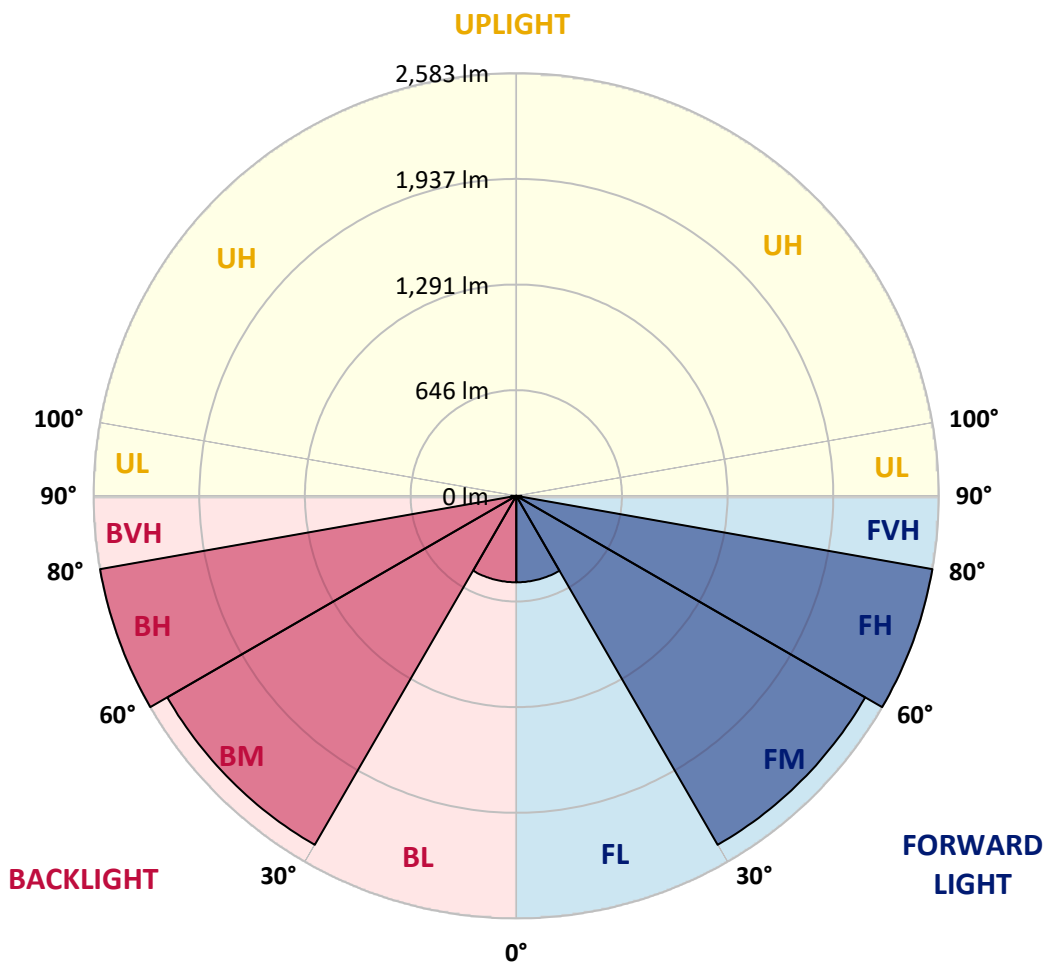


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.5	4.7			
FM (30°-60°)	2463.0	22.0			
FH (60°-80°)	2582.7	23.0			G2/5000
FVH (80°-90°)	31.3	0.3			G1/100
BL (0°-30°)	528.5	4.7	B2/1000		
BM (30°-60°)	2463.0	22.0	B2/2500		
BH (60°-80°)	2582.7	23.0	B4/5000		G2/5000
BVH (80°-90°)	31.3	0.3			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°	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9	1244.9
2.5°	1244.9	1246.1	1244.3	1243.2	1242.5	1242.5	1242.0	1242.5	1246.1	1246.7	1244.9
5°	1241.4	1242.5	1242.0	1240.8	1240.2	1240.2	1239.6	1239.0	1242.0	1243.2	1242.5
7.5°	1236.7	1237.2	1236.7	1236.0	1236.7	1236.0	1234.3	1233.1	1235.5	1235.5	1234.9
10°	1228.4	1229.5	1229.0	1229.5	1230.7	1230.7	1228.4	1226.0	1226.6	1225.4	1225.4
12.5°	1218.3	1220.1	1220.7	1223.0	1226.0	1229.5	1224.2	1218.9	1217.7	1217.2	1216.5
15°	1211.8	1213.6	1216.0	1218.3	1223.7	1231.3	1223.7	1215.4	1213.0	1210.7	1209.5
17.5°	1210.0	1212.4	1216.0	1219.5	1226.6	1234.3	1227.8	1219.5	1213.6	1210.0	1208.9
20°	1214.8	1216.5	1221.9	1228.4	1238.4	1246.1	1239.6	1230.7	1221.9	1216.5	1214.8
22.5°	1224.2	1227.2	1233.7	1245.5	1259.7	1270.9	1262.0	1247.3	1233.1	1226.0	1223.7
25°	1244.9	1247.3	1255.0	1270.9	1287.5	1298.1	1288.7	1271.5	1252.0	1242.5	1239.6
27.5°	1276.2	1279.8	1288.0	1307.0	1320.5	1326.5	1320.0	1308.2	1294.0	1284.0	1281.5
30°	1320.5	1324.7	1337.1	1357.2	1366.0	1369.6	1366.6	1359.0	1349.0	1338.3	1336.0
32.5°	1380.3	1382.6	1396.8	1415.7	1424.0	1425.1	1421.6	1418.0	1401.5	1383.8	1382.6
35°	1447.0	1451.1	1468.3	1490.8	1498.4	1499.0	1491.9	1486.6	1467.1	1452.9	1452.9
37.5°	1535.6	1537.4	1553.9	1579.4	1587.6	1585.3	1581.7	1577.0	1556.3	1538.0	1538.6
40°	1639.6	1643.1	1657.4	1686.9	1686.9	1683.9	1686.3	1682.7	1662.1	1644.4	1644.9
42.5°	1763.1	1764.9	1782.0	1813.3	1811.0	1805.0	1807.4	1802.7	1789.7	1769.6	1762.5
45°	1894.9	1902.0	1931.5	1961.6	1956.9	1938.0	1947.5	1946.3	1934.5	1904.3	1906.1
47.5°	2053.8	2065.6	2094.0	2130.0	2124.7	2095.2	2105.8	2112.9	2096.3	2063.3	2057.3
50°	2232.8	2240.6	2282.4	2316.1	2311.4	2280.1	2304.3	2305.5	2264.1	2217.5	2217.5
52.5°	2423.7	2431.4	2488.1	2540.7	2543.7	2498.2	2517.7	2516.4	2449.1	2387.6	2375.9
55°	2637.5	2641.1	2714.3	2791.8	2808.3	2764.0	2766.3	2742.8	2655.3	2583.8	2577.3
57.5°	2858.6	2871.6	2952.5	3052.9	3102.0	3074.8	3062.4	2999.2	2914.7	2832.6	2828.4
60°	3103.2	3103.7	3208.9	3327.7	3427.0	3445.3	3394.5	3310.0	3200.7	3091.9	3087.2
62.5°	3272.7	3298.2	3431.1	3631.9	3809.8	3912.7	3778.5	3601.3	3386.2	3210.7	3193.0
65°	3307.6	3324.7	3527.4	3867.7	4231.1	4452.7	4142.5	3765.5	3398.6	3164.6	3152.8
67.5°	3025.7	3044.1	3317.0	3839.4	4526.5	4980.9	4378.8	3686.4	3188.2	2898.7	2875.6
70°	2340.4	2361.1	2698.5	3379.7	4460.9	5146.9	4210.4	3215.4	2629.3	2316.7	2274.8
72.5°	1244.3	1320.5	1608.9	2319.7	3620.7	4431.4	3452.3	2346.3	1695.7	1386.1	1330.6
75°	454.4	463.8	624.5	1028.7	2106.4	3038.7	2187.3	1119.1	643.5	496.9	471.5
77.5°	187.9	187.3	205.6	310.8	765.1	1556.3	853.8	328.5	205.0	189.6	187.3
80°	111.1	111.1	122.3	129.4	201.5	469.7	225.1	146.5	122.9	112.3	114.0
82.5°	49.6	52.6	77.4	81.5	97.5	128.8	108.7	93.3	80.3	55.5	50.2
85°	27.2	23.6	40.8	42.5	46.7	47.8	51.4	50.8	46.7	27.2	27.8
87.5°	5.3	6.5	11.8	8.8	10.0	8.8	11.8	16.5	17.1	9.5	7.7
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)