

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: P653804

Luminaire Tested: **GLAN-SA4A-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P653804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4A-840-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7936.5 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

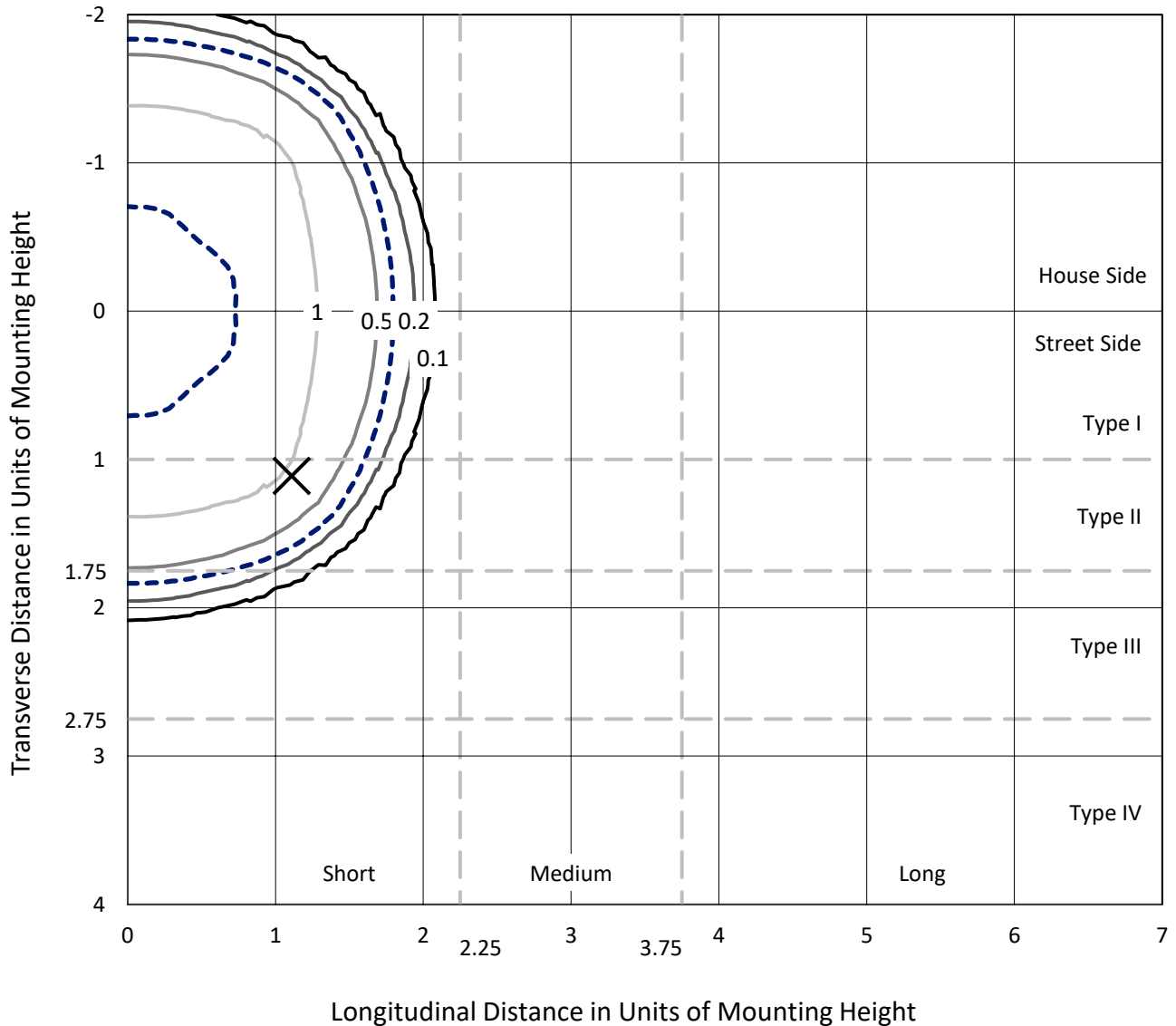
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

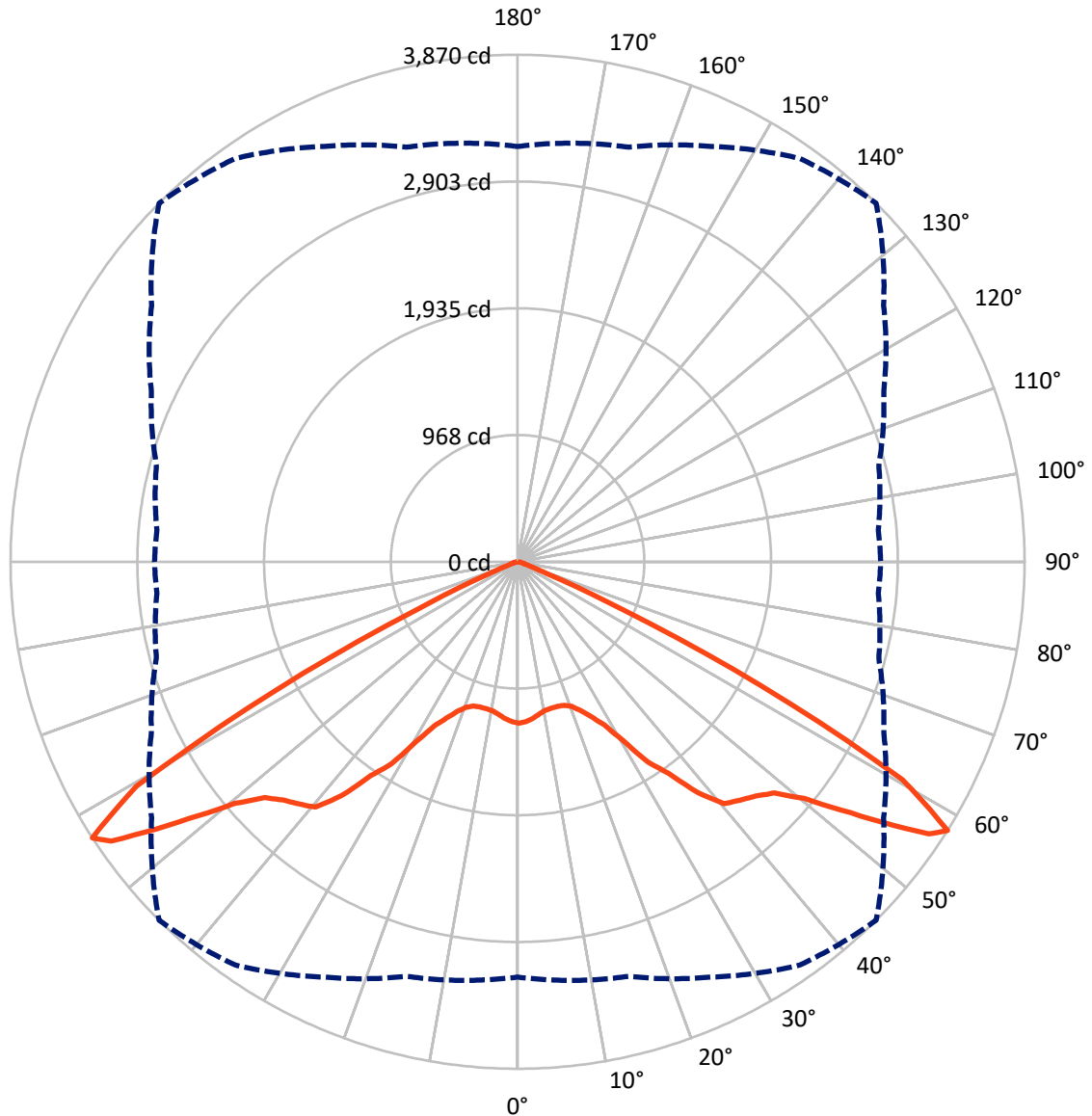
× Max cd  
 - - - 1/2 Max cd



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 57.5-Deg Vertical

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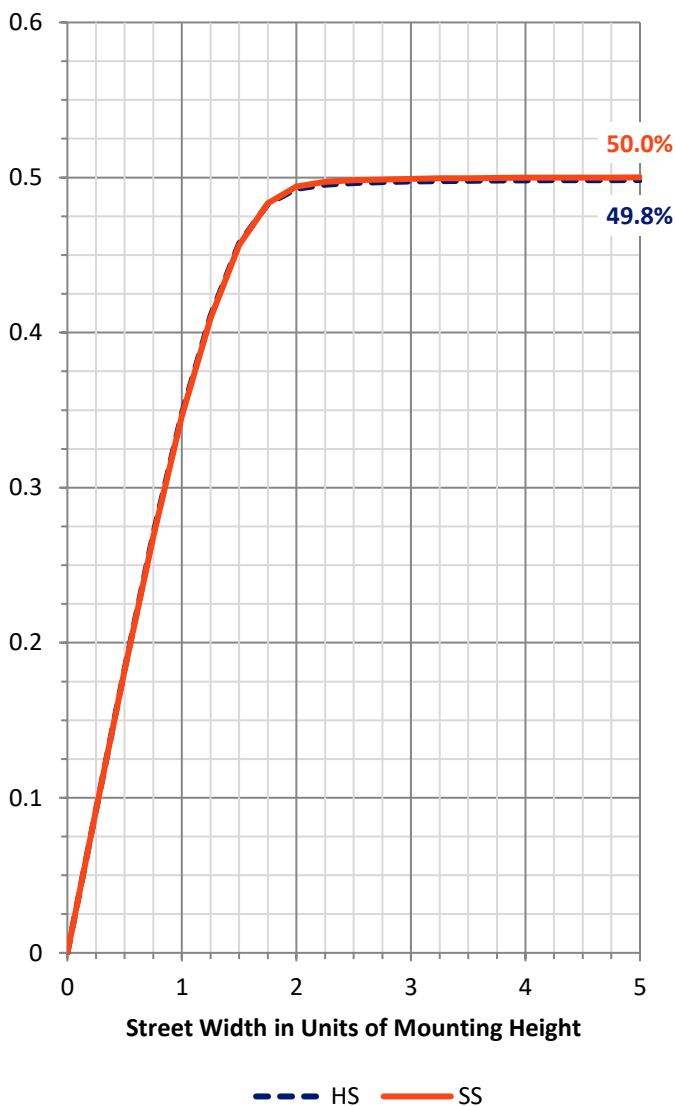
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3968.2	0.0	3968.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3968.2	0.0	3968.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7936.5	0.0	7936.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.1	1.4
10°-20°	327.0	4.1
20°-30°	603.6	7.6
30°-40°	1187.0	15.0
40°-50°	1933.3	24.4
50°-60°	2757.1	34.7
60°-70°	954.6	12.0
70°-80°	51.2	0.6
80°-90°	9.6	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°	7936.5	100.0
0°-180°	7936.5	100.0

**Coefficient of Utilization**

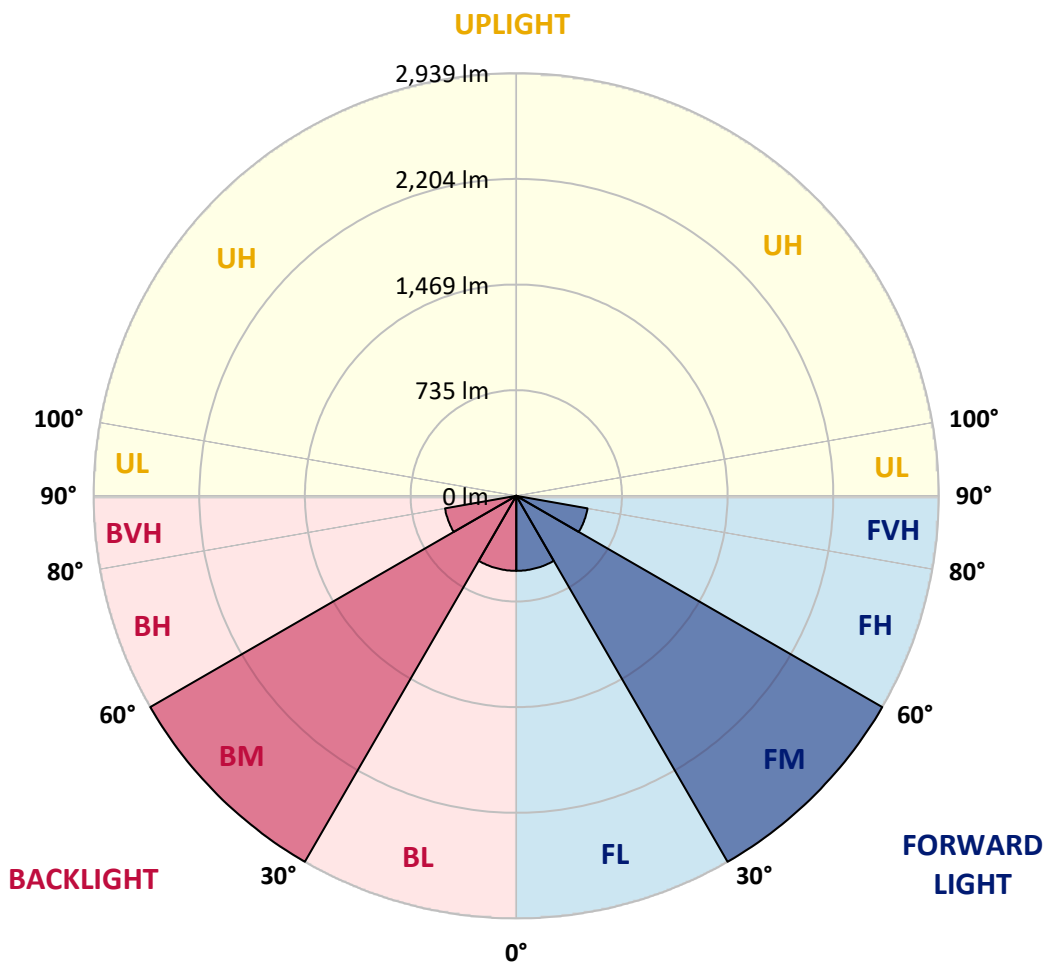


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.8	6.6			
FM (30°-60°)	2938.7	37.0			
FH (60°-80°)	502.9	6.3			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	521.8	6.6	B2/1000		
BM (30°-60°)	2938.7	37.0	B3/5000		
BH (60°-80°)	502.9	6.3	B2/1000		G0/660
BVH (80°-90°)	4.8	0.1			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°	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1
2.5°	1227.7	1234.3	1226.1	1222.7	1221.1	1221.1	1216.2	1216.2	1214.5	1216.2	1209.5
5°	1207.8	1214.5	1214.5	1212.8	1202.9	1201.3	1196.3	1193.0	1194.6	1188.0	1193.0
7.5°	1188.0	1193.0	1186.4	1184.7	1181.4	1174.8	1173.1	1158.2	1159.9	1159.9	1163.2
10°	1184.7	1183.0	1173.1	1164.9	1154.9	1153.3	1148.3	1145.0	1145.0	1143.3	1148.3
12.5°	1184.7	1176.5	1174.8	1156.5	1140.1	1146.6	1133.4	1125.2	1136.7	1140.1	1146.6
15°	1183.0	1191.4	1163.2	1154.9	1143.3	1145.0	1133.4	1125.2	1131.7	1135.1	1140.1
17.5°	1193.0	1188.0	1179.8	1163.2	1158.2	1151.6	1136.7	1130.1	1130.1	1138.4	1140.1
20°	1219.4	1206.2	1189.7	1181.4	1186.4	1178.1	1159.9	1135.1	1141.7	1148.3	1153.3
22.5°	1244.3	1234.3	1222.7	1217.8	1245.9	1232.7	1201.3	1173.1	1163.2	1174.8	1183.0
25°	1292.3	1292.3	1270.8	1277.4	1308.8	1310.4	1274.0	1224.4	1217.8	1222.7	1226.1
27.5°	1389.9	1394.9	1376.6	1383.3	1396.5	1408.1	1376.6	1335.3	1320.4	1318.8	1323.7
30°	1495.8	1505.7	1504.0	1532.2	1570.2	1576.9	1530.5	1462.7	1418.0	1409.8	1416.3
32.5°	1634.7	1639.7	1636.4	1669.5	1772.1	1820.1	1699.3	1603.4	1543.7	1558.6	1543.7
35°	1896.2	1891.2	1854.8	1861.5	1945.8	1980.6	1864.7	1803.5	1775.4	1805.2	1798.6
37.5°	2121.3	2103.0	2073.2	2116.3	2203.9	2235.4	2114.6	2007.0	1955.7	2005.4	2026.9
40°	2311.5	2265.1	2223.8	2266.8	2384.3	2427.3	2250.3	2162.5	2142.7	2179.1	2225.5
42.5°	2472.0	2442.2	2387.6	2391.0	2468.7	2488.5	2346.2	2294.9	2275.1	2333.0	2356.1
45°	2586.2	2558.1	2506.8	2503.4	2563.0	2549.7	2422.3	2387.6	2399.2	2437.2	2448.8
47.5°	2644.1	2659.0	2629.2	2637.5	2668.9	2637.5	2536.5	2536.5	2510.0	2533.3	2521.7
50°	2811.2	2764.9	2802.9	2802.9	2836.0	2839.3	2738.4	2702.0	2630.8	2591.1	2591.1
52.5°	3006.4	3009.8	3024.7	3079.2	3135.5	3183.5	3039.5	2884.0	2764.9	2713.6	2706.9
55°	3167.0	3200.0	3259.6	3362.1	3524.4	3590.6	3342.3	3064.4	2918.8	2839.3	2822.8
56°	3254.7	3223.2	3325.8	3466.4	3678.2	3764.2	3392.0	3100.8	2940.2	2850.9	2849.2
57.5°	3170.2	3205.0	3276.1	3497.9	3757.7	3870.1	3410.2	3084.2	2854.2	2763.2	2771.5
60°	2503.4	2536.5	2632.5	2880.7	3287.7	3375.4	2885.6	2543.2	2338.0	2207.3	2208.9
62.5°	1416.3	1441.1	1515.7	1745.7	1998.8	2083.2	1798.6	1570.2	1427.9	1355.1	1332.0
65°	521.2	511.2	522.8	640.3	795.8	867.0	747.9	632.1	557.6	531.1	521.2
67.5°	195.3	180.4	168.8	180.4	226.6	239.9	220.1	183.7	172.1	177.0	180.4
70°	120.8	114.2	91.0	86.0	84.4	82.8	87.7	92.7	105.9	124.1	127.4
72.5°	84.4	79.4	64.5	61.2	57.9	56.3	64.5	71.1	82.8	96.0	97.6
75°	33.1	34.7	33.1	36.4	38.1	39.7	46.3	51.3	56.3	56.3	54.6
77.5°	6.6	6.6	9.9	13.2	16.6	21.5	31.5	36.4	38.1	36.4	31.5
80°	0.0	0.0	3.3	6.6	13.2	18.2	28.1	31.5	34.7	31.5	24.8
82.5°	0.0	0.0	3.3	8.2	13.2	16.6	26.5	33.1	38.1	34.7	26.5
85°	0.0	0.0	3.3	6.6	9.9	11.6	11.6	8.2	8.2	5.0	3.3
87.5°	0.0	0.0	0.0	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)