

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: P849191

Luminaire Tested: **GLAN-SB6A-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24469 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

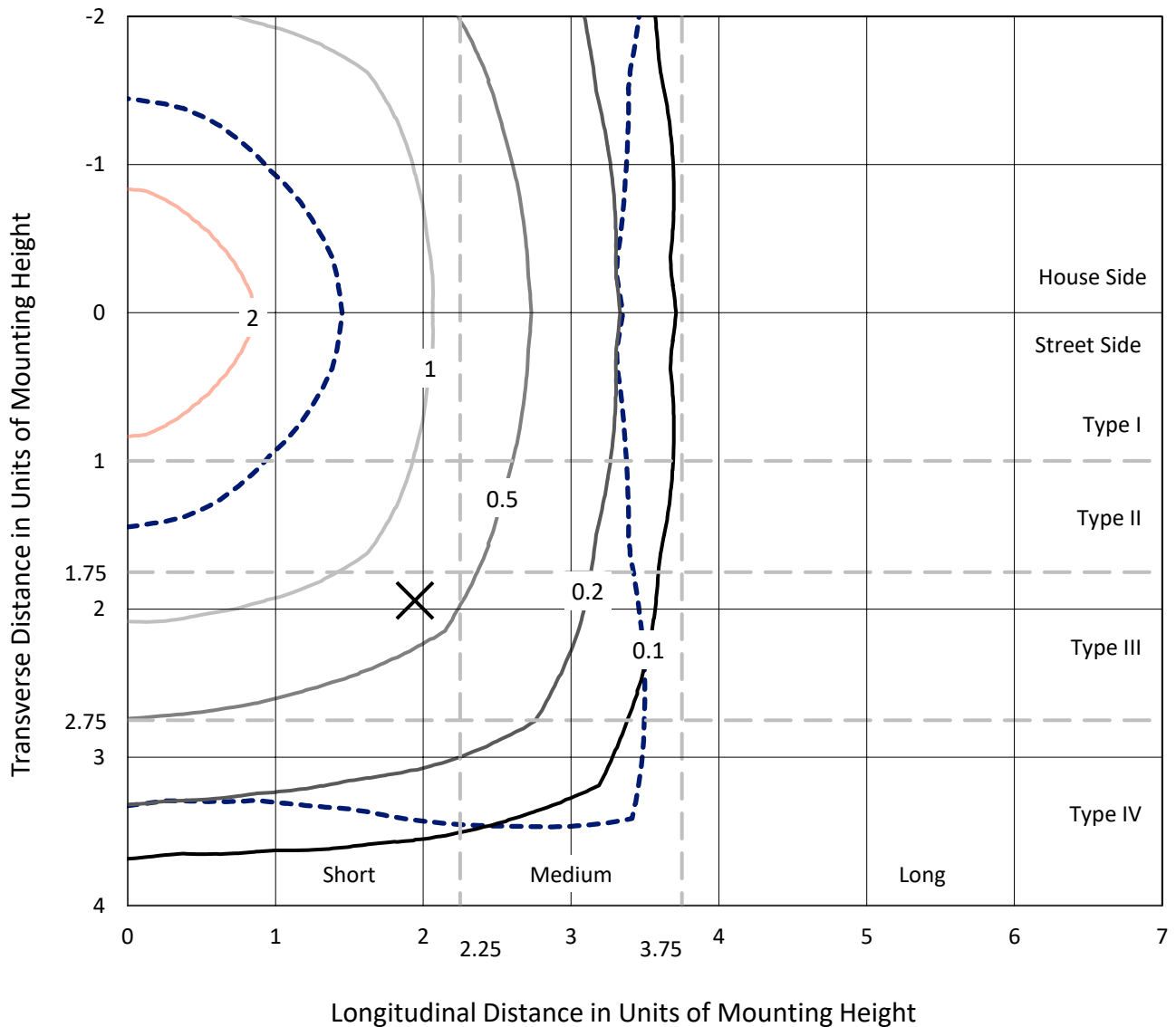
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

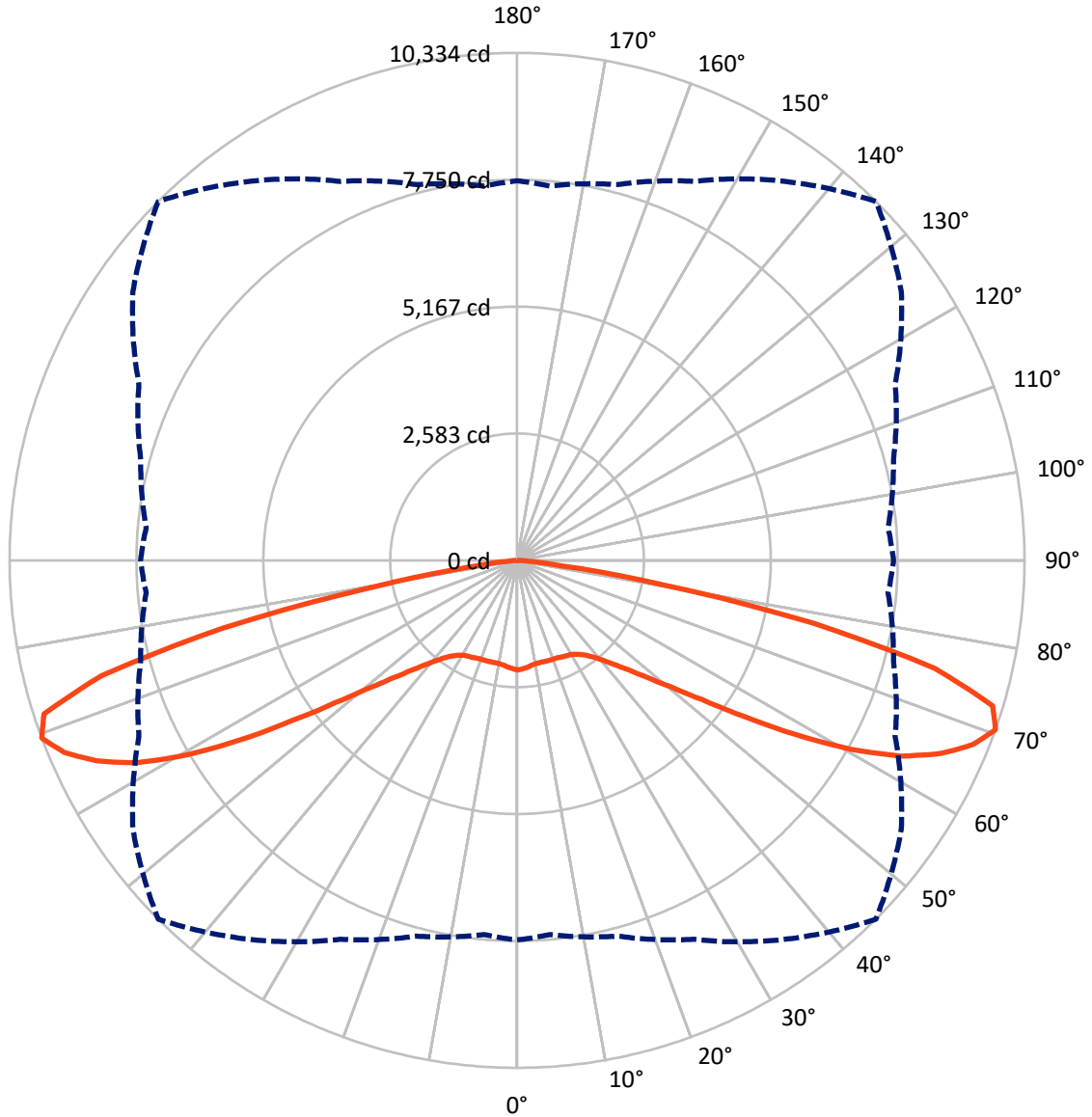
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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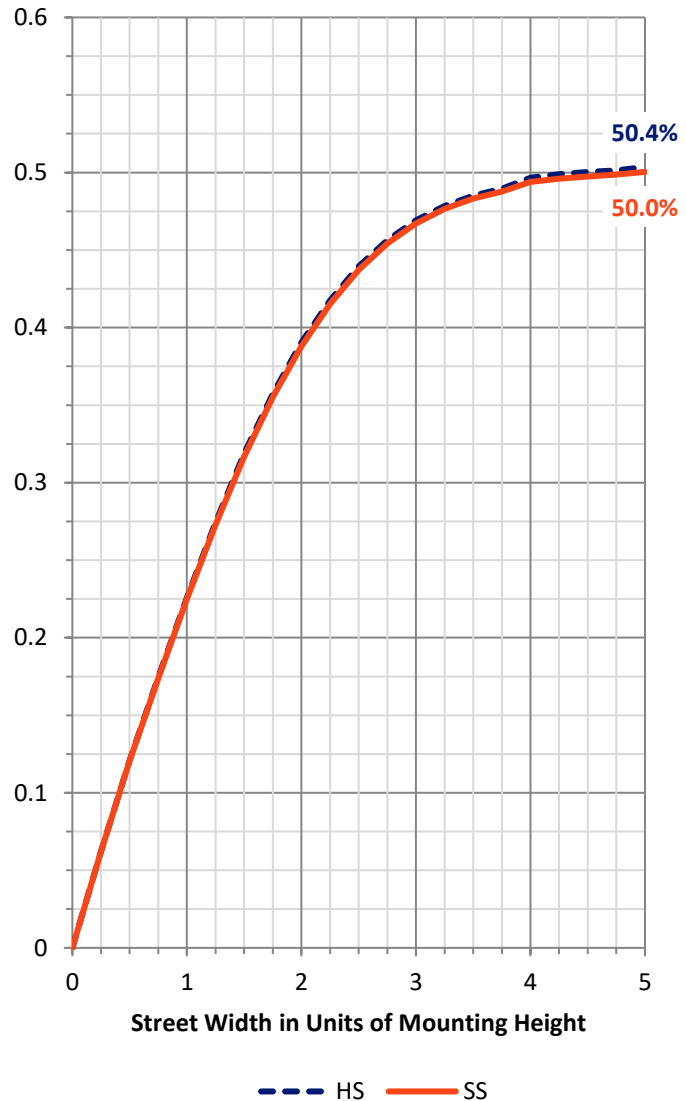
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12234.5	0.0	12234.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12234.5	0.0	12234.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24469.0	0.0	24469.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.6	0.8
10°-20°	609.7	2.5
20°-30°	1014.6	4.1
30°-40°	1534.3	6.3
40°-50°	2549.7	10.4
50°-60°	4811.2	19.7
60°-70°	8123.9	33.2
70°-80°	5338.3	21.8
80°-90°	279.7	1.1
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°	24469.0	100.0
0°-180°	24469.0	100.0

**Coefficient of Utilization**



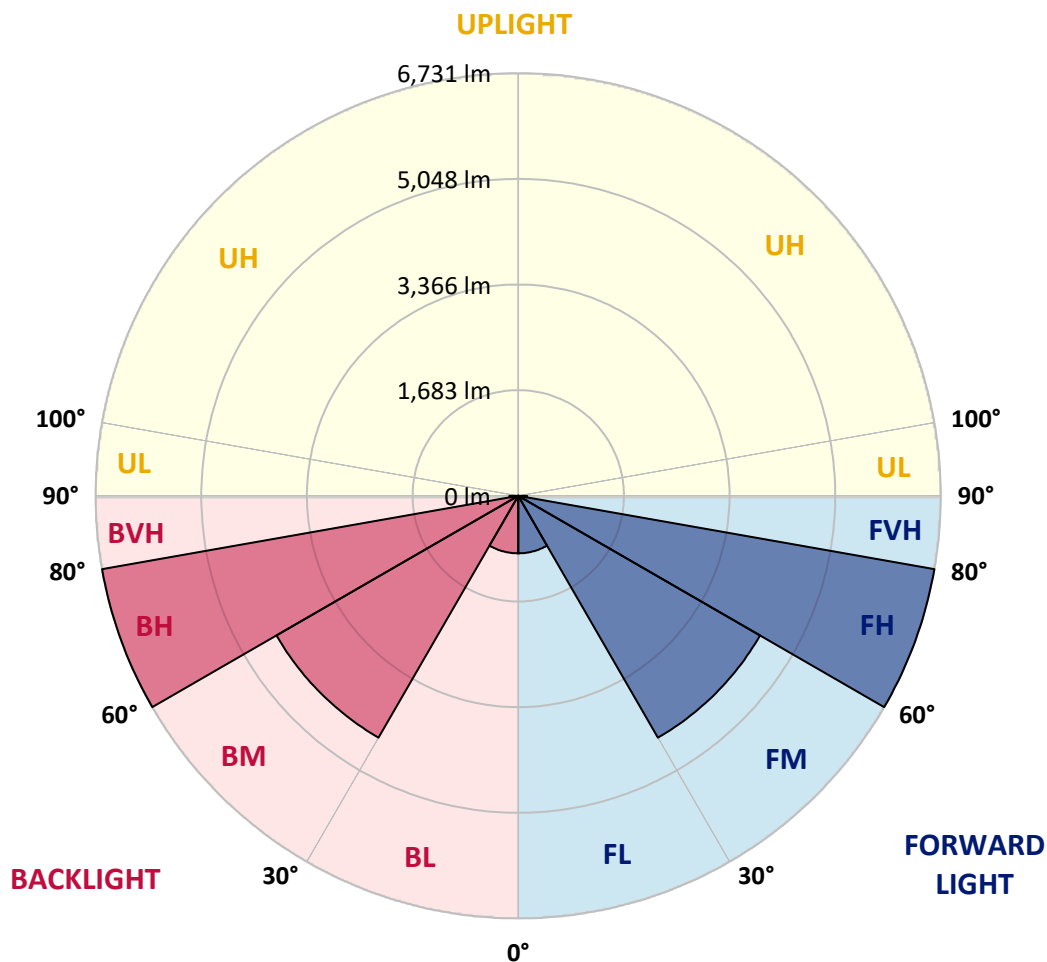
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	915.9	3.7			
FM (30°-60°)	4447.6	18.2			
FH (60°-80°)	6731.1	27.5			G3/7500
FVH (80°-90°)	139.8	0.6			G2/225
BL (0°-30°)	915.9	3.7	B2/1000		
BM (30°-60°)	4447.6	18.2	B3/5000		
BH (60°-80°)	6731.1	27.5	B5		G3/7500
BVH (80°-90°)	139.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2232.1	2232.1	2232.1	2232.1	2232.1	2232.1	2232.1	2232.1	2232.1	2232.1
2.5°	2218.1	2224.4	2221.9	2216.8	2216.8	2213.0	2216.8	2219.3	2223.2	2225.7
5°	2188.8	2193.9	2192.6	2188.8	2190.1	2186.3	2188.8	2192.6	2195.2	2196.5
7.5°	2163.4	2168.5	2165.9	2159.6	2159.6	2155.8	2157.0	2160.8	2164.7	2165.9
10°	2157.0	2162.1	2154.5	2144.3	2140.5	2135.4	2136.7	2140.5	2148.1	2151.9
12.5°	2159.6	2163.4	2155.8	2140.5	2136.7	2131.6	2131.6	2135.4	2145.6	2150.7
15°	2167.2	2171.0	2159.6	2143.0	2139.2	2135.4	2134.1	2139.2	2150.7	2159.6
17.5°	2181.2	2185.0	2167.2	2144.3	2139.2	2140.5	2139.2	2143.0	2160.8	2177.4
20°	2193.9	2196.5	2172.3	2144.3	2139.2	2140.5	2139.2	2146.9	2169.7	2192.6
22.5°	2197.7	2200.3	2177.4	2153.2	2149.4	2150.7	2149.4	2157.0	2178.6	2201.5
25°	2199.0	2202.8	2185.0	2165.9	2172.3	2174.8	2172.3	2173.6	2190.1	2210.4
27.5°	2218.1	2223.2	2206.6	2190.1	2193.9	2192.6	2196.5	2200.3	2213.0	2233.3
30°	2257.5	2261.3	2247.3	2230.8	2228.2	2219.3	2230.8	2243.5	2257.5	2275.3
32.5°	2322.4	2330.0	2312.2	2294.4	2282.9	2277.9	2286.8	2308.4	2327.5	2346.5
35°	2430.5	2435.6	2419.0	2386.0	2365.6	2365.6	2373.2	2401.2	2431.7	2455.9
37.5°	2583.1	2589.5	2560.2	2520.8	2490.2	2490.2	2500.4	2529.7	2575.5	2609.8
40°	2768.8	2777.7	2740.8	2700.1	2670.8	2665.8	2678.5	2711.5	2754.8	2798.0
42.5°	2992.6	3002.8	2954.5	2918.9	2896.0	2896.0	2902.3	2932.8	2972.3	3025.7
45°	3278.8	3296.6	3230.5	3194.8	3173.2	3178.3	3182.1	3208.8	3244.4	3305.5
47.5°	3619.6	3637.4	3567.5	3530.6	3526.8	3551.0	3535.7	3554.8	3573.8	3643.8
50°	4006.3	4036.8	3988.5	3985.9	3993.6	4038.1	4002.5	4012.6	3991.0	4035.5
52.5°	4479.4	4523.9	4515.0	4530.3	4615.5	4707.1	4625.7	4590.0	4508.6	4522.6
55°	5053.0	5120.4	5133.1	5224.7	5418.0	5605.0	5432.0	5288.3	5115.3	5083.5
57.5°	5705.4	5758.9	5819.9	6006.9	6368.1	6700.0	6368.1	6050.1	5777.9	5713.1
60°	6407.5	6473.6	6532.1	6808.1	7344.8	7811.6	7334.7	6829.7	6469.8	6382.1
62.5°	7161.7	7246.9	7287.6	7594.1	8219.9	8776.9	8228.8	7617.0	7217.6	7123.5
65°	7885.4	7955.3	8001.1	8328.0	8925.7	9484.1	8966.4	8363.6	7952.8	7829.4
67.5°	8222.4	8260.5	8372.5	8742.6	9373.4	10010.6	9480.2	8782.0	8322.9	8106.7
70°	7728.9	7651.3	7921.0	8513.6	9426.8	10333.6	9548.9	8495.8	7933.7	7582.7
72.5°	5972.5	5839.0	6307.0	7320.7	8816.3	10127.6	8877.4	7377.9	6598.3	5886.0
75°	3249.5	3098.2	3744.3	5026.3	7030.7	8778.2	7192.2	5170.0	4169.1	3225.4
77.5°	917.0	859.8	1381.2	2431.7	4228.8	6163.3	4391.6	2485.2	1638.1	971.7
80°	281.1	272.2	368.8	732.6	1795.8	2951.9	1725.9	741.5	469.3	296.3
82.5°	166.6	152.6	183.1	267.1	457.9	927.2	445.1	278.5	223.8	150.1
85°	95.4	89.0	108.1	129.7	153.9	197.1	128.5	132.3	119.6	80.1
87.5°	39.4	35.6	42.0	40.7	35.6	45.8	34.3	40.7	48.3	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2232.1
2224.4
2196.5
2165.9
2151.9
2151.9
2160.8
2177.4
2193.9
2201.5
2209.2
2228.2
2271.5
2338.9
2447.0
2597.1
2784.0
3021.9
3302.9
3623.4
4008.8
4475.6
5033.9
5667.3
6305.7
7047.2
7768.4
8109.2
7666.6
6062.8
3435.2
1079.8
312.9
162.8
83.9
29.3
0.0

OF REPORT)