

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: P848071

Luminaire Tested: **GLAN-SB4C-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848071  
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-SB4C-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23741 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

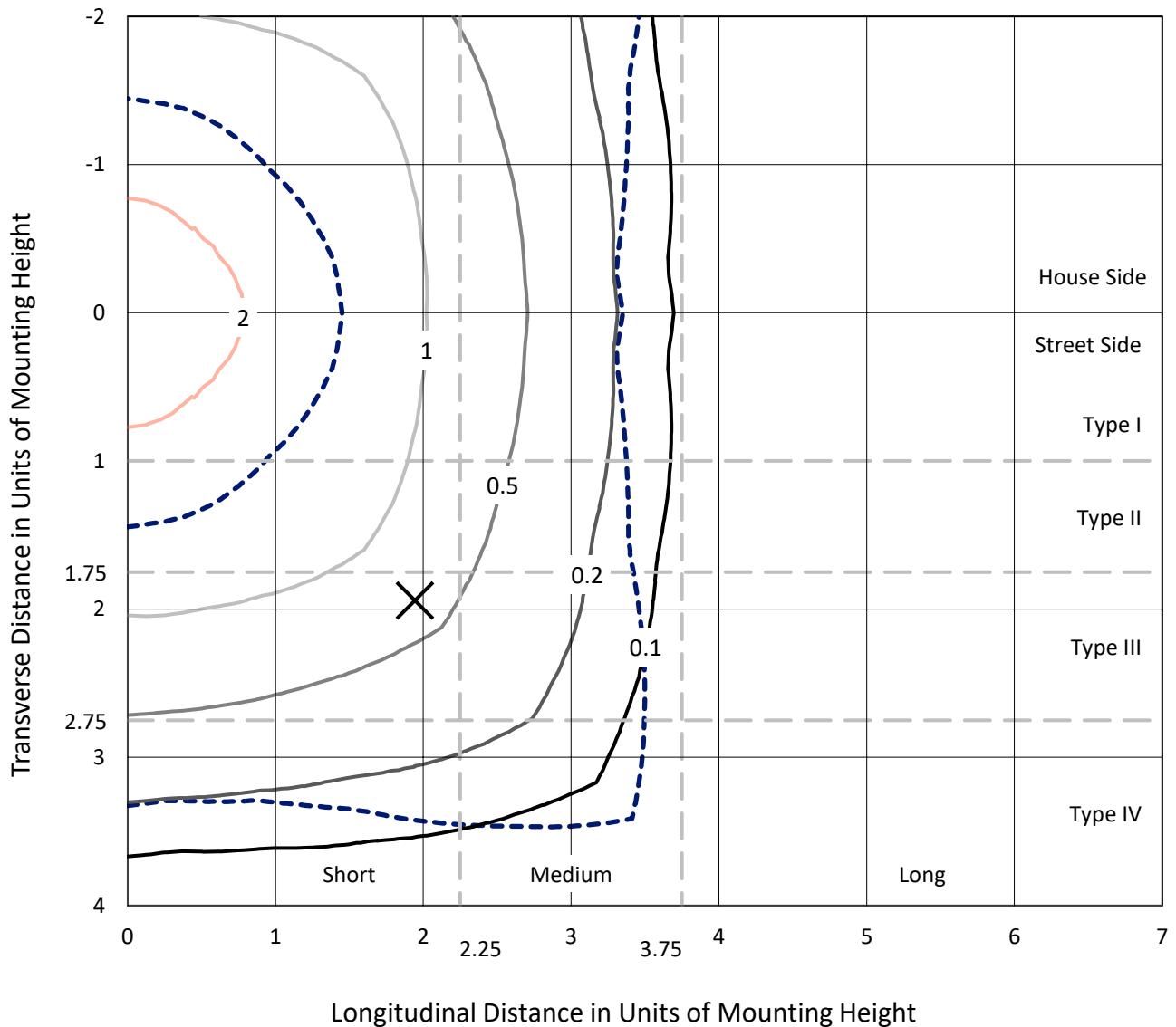
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

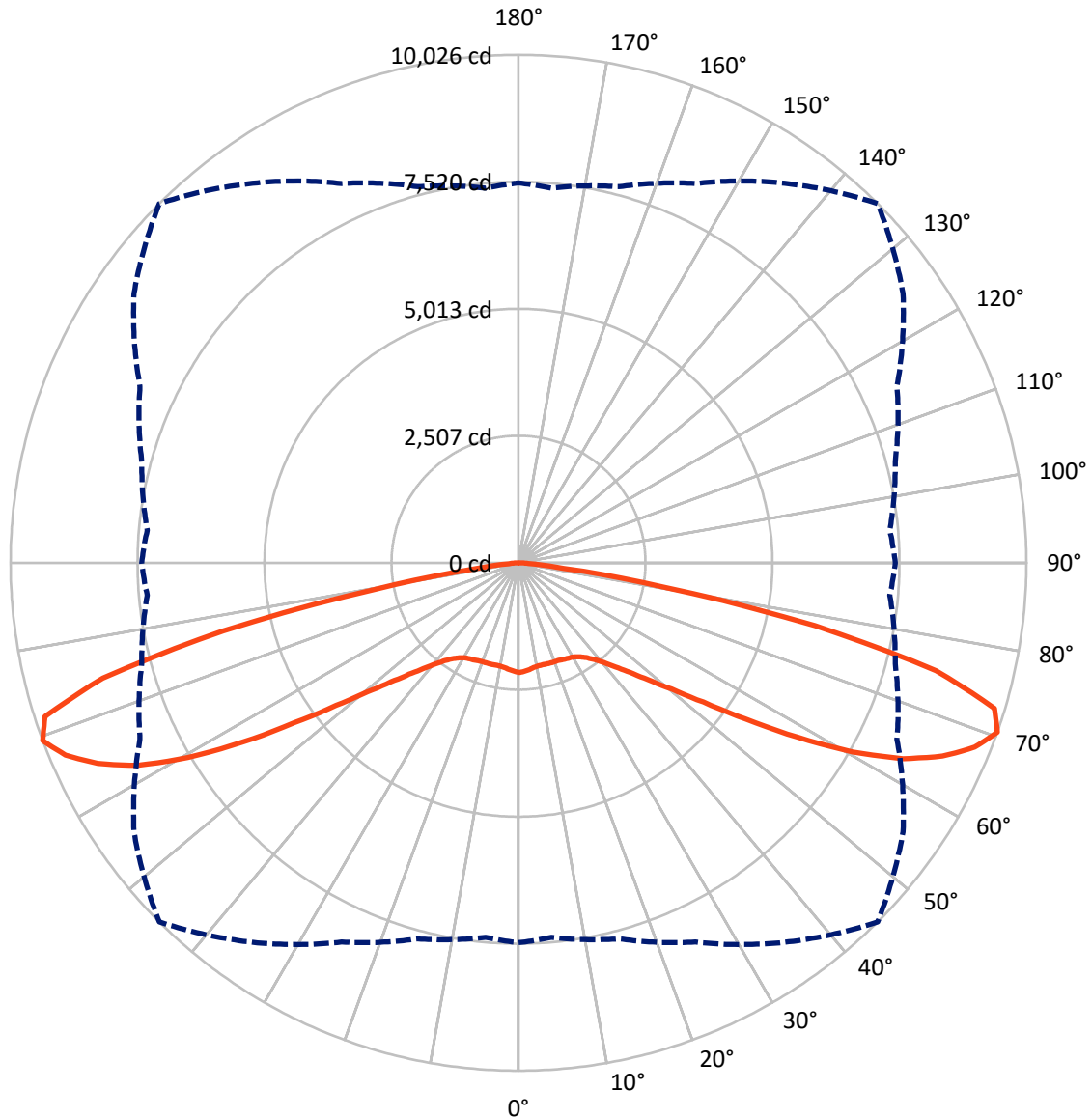
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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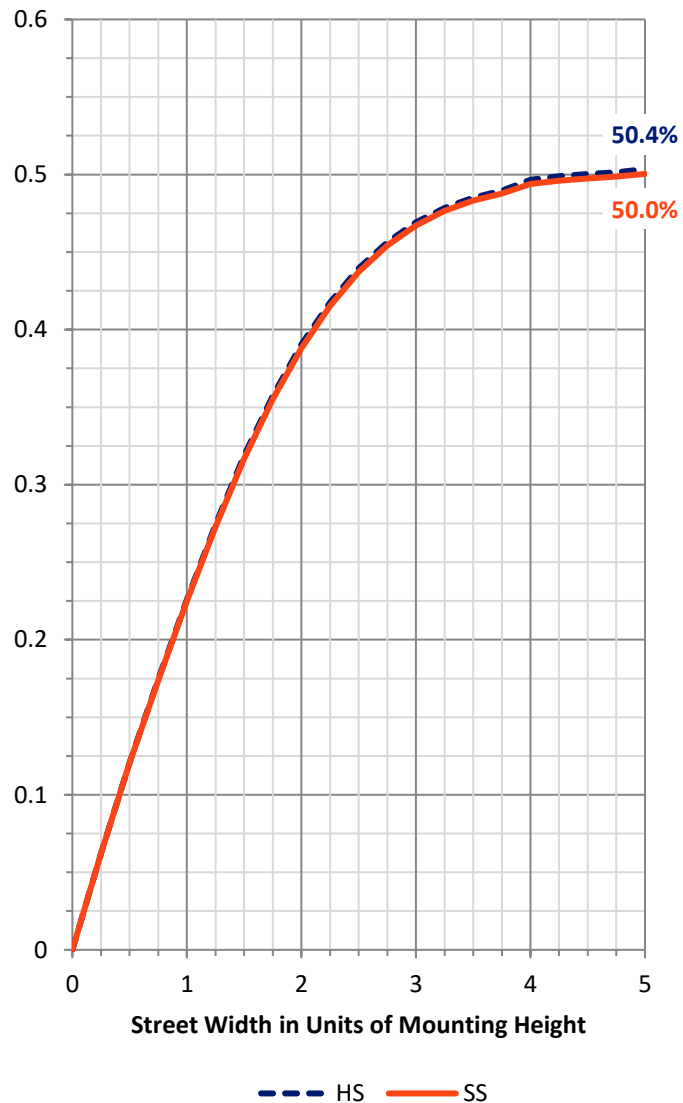
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11870.5	0.0	11870.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11870.5	0.0	11870.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23741.0	0.0	23741.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.5	0.8
10°-20°	591.5	2.5
20°-30°	984.4	4.1
30°-40°	1488.7	6.3
40°-50°	2473.8	10.4
50°-60°	4668.1	19.7
60°-70°	7882.2	33.2
70°-80°	5179.4	21.8
80°-90°	271.3	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°	23741.0	100.0
0°-180°	23741.0	100.0

**Coefficient of Utilization**



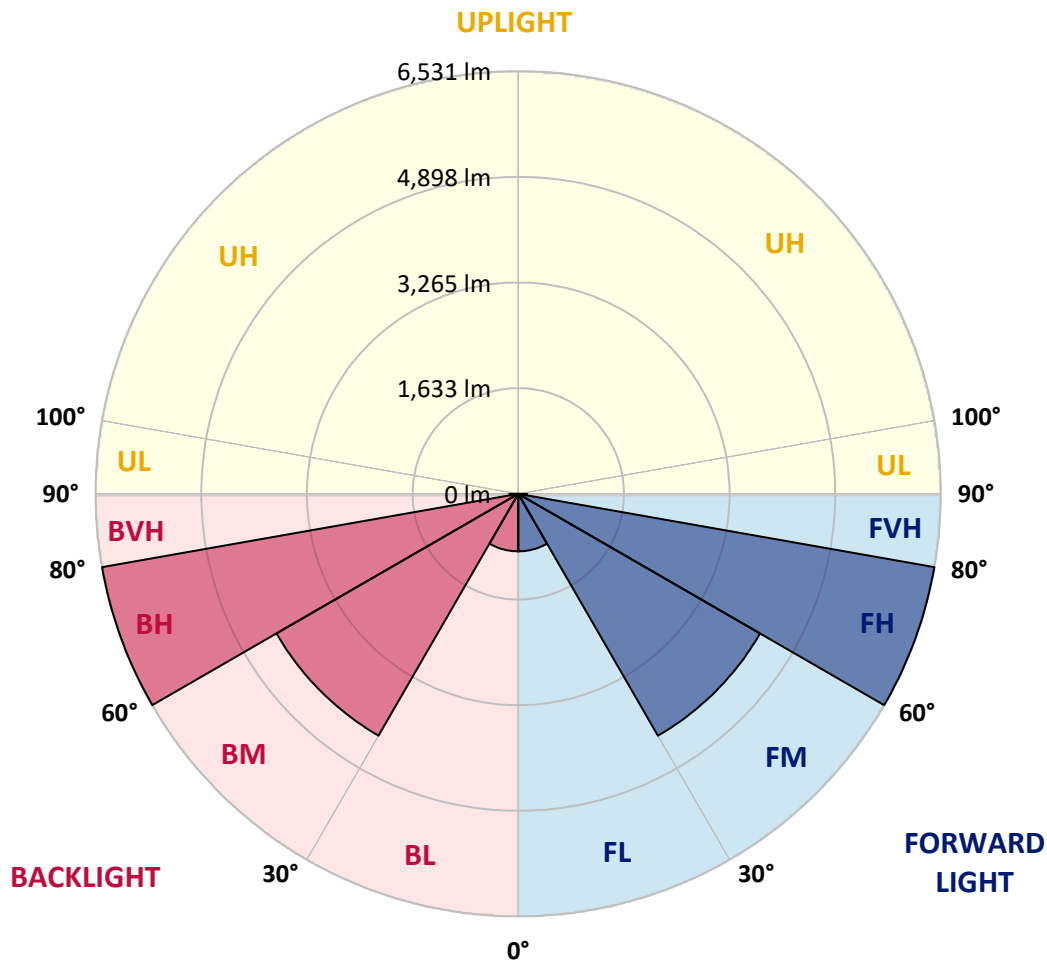
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.7	3.7			
FM (30°-60°)	4315.3	18.2			
FH (60°-80°)	6530.8	27.5			G3/7500
FVH (80°-90°)	135.7	0.6			G2/225
BL (0°-30°)	888.7	3.7	B2/1000		
BM (30°-60°)	4315.3	18.2	B3/5000		
BH (60°-80°)	6530.8	27.5	B5		G3/7500
BVH (80°-90°)	135.7	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°	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7	2165.7
2.5°	2152.1	2158.3	2155.8	2150.8	2150.8	2147.1	2150.8	2153.3	2157.0	2159.5
5°	2123.7	2128.6	2127.4	2123.7	2124.9	2121.2	2123.7	2127.4	2129.9	2131.1
7.5°	2099.0	2104.0	2101.5	2095.3	2095.3	2091.6	2092.9	2096.6	2100.3	2101.5
10°	2092.9	2097.8	2090.4	2080.5	2076.8	2071.9	2073.1	2076.8	2084.2	2087.9
12.5°	2095.3	2099.0	2091.6	2076.8	2073.1	2068.2	2068.2	2071.9	2081.7	2086.7
15°	2102.7	2106.4	2095.3	2079.3	2075.6	2071.9	2070.6	2075.6	2086.7	2095.3
17.5°	2116.3	2120.0	2102.7	2080.5	2075.6	2076.8	2075.6	2079.3	2096.6	2112.6
20°	2128.6	2131.1	2107.7	2080.5	2075.6	2076.8	2075.6	2083.0	2105.2	2127.4
22.5°	2132.3	2134.8	2112.6	2089.1	2085.4	2086.7	2085.4	2092.9	2113.8	2136.0
25°	2133.6	2137.3	2120.0	2101.5	2107.7	2110.1	2107.7	2108.9	2124.9	2144.7
27.5°	2152.1	2157.0	2141.0	2124.9	2128.6	2127.4	2131.1	2134.8	2147.1	2166.9
30°	2190.3	2194.0	2180.5	2164.4	2162.0	2153.3	2164.4	2176.8	2190.3	2207.6
32.5°	2253.3	2260.7	2243.4	2226.1	2215.0	2210.1	2218.7	2239.7	2258.2	2276.7
35°	2358.2	2363.1	2347.1	2315.0	2295.2	2295.2	2302.6	2329.8	2359.4	2382.8
37.5°	2506.2	2512.4	2484.0	2445.8	2416.2	2416.2	2426.0	2454.4	2498.8	2532.2
40°	2686.4	2695.0	2659.3	2619.8	2591.4	2586.4	2598.8	2630.9	2672.8	2714.8
42.5°	2903.6	2913.5	2866.6	2832.0	2809.8	2809.8	2816.0	2845.6	2883.8	2935.7
45°	3181.2	3198.5	3134.3	3099.8	3078.8	3083.7	3087.4	3113.4	3147.9	3207.1
47.5°	3511.9	3529.2	3461.3	3425.6	3421.9	3445.3	3430.5	3449.0	3467.5	3535.4
50°	3887.1	3916.7	3869.8	3867.3	3874.7	3917.9	3883.4	3893.2	3872.3	3915.5
52.5°	4346.1	4389.3	4380.7	4395.5	4478.2	4567.0	4488.0	4453.5	4374.5	4388.1
55°	4902.7	4968.1	4980.4	5069.2	5256.8	5438.2	5270.4	5130.9	4963.1	4932.3
57.5°	5535.7	5587.5	5646.8	5828.1	6178.6	6500.7	6178.6	5870.1	5606.0	5543.1
60°	6216.9	6281.0	6337.8	6605.6	7126.3	7579.2	7116.4	6626.5	6277.3	6192.2
62.5°	6948.6	7031.3	7070.8	7368.2	7975.3	8515.8	7983.9	7390.4	7002.9	6911.6
65°	7650.8	7718.6	7763.0	8080.2	8660.2	9201.9	8699.6	8114.7	7716.2	7596.5
67.5°	7977.8	8014.8	8123.4	8482.5	9094.5	9712.8	9198.2	8520.7	8075.2	7865.5
70°	7499.0	7423.7	7685.3	8260.3	9146.4	10026.2	9264.8	8243.1	7697.6	7357.1
72.5°	5794.8	5665.3	6119.4	7102.9	8554.0	9826.3	8613.3	7158.4	6402.0	5710.9
75°	3152.9	3006.0	3632.9	4876.7	6821.5	8517.0	6978.2	5016.2	4045.0	3129.4
77.5°	889.7	834.2	1340.1	2359.4	4103.0	5979.9	4261.0	2411.2	1589.4	942.8
80°	272.7	264.1	357.9	710.8	1742.4	2864.1	1674.5	719.4	455.3	287.5
82.5°	161.7	148.1	177.7	259.1	444.2	899.6	431.9	270.2	217.2	145.6
85°	92.5	86.4	104.9	125.9	149.3	191.3	124.6	128.3	116.0	77.7
87.5°	38.3	34.6	40.7	39.5	34.6	44.4	33.3	39.5	46.9	30.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2165.7
2158.3
2131.1
2101.5
2087.9
2087.9
2096.6
2112.6
2128.6
2136.0
2143.4
2162.0
2203.9
2269.3
2374.2
2519.8
2701.2
2932.0
3204.7
3515.6
3889.5
4342.4
4884.1
5498.7
6118.1
6837.6
7537.2
7867.9
7438.5
5882.4
3333.0
1047.7
303.6
158.0
81.4
28.4
0.0

OF REPORT)