

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: P847631

Luminaire Tested: **GLAN-SB3D-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847631  
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-SB3D-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24623 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

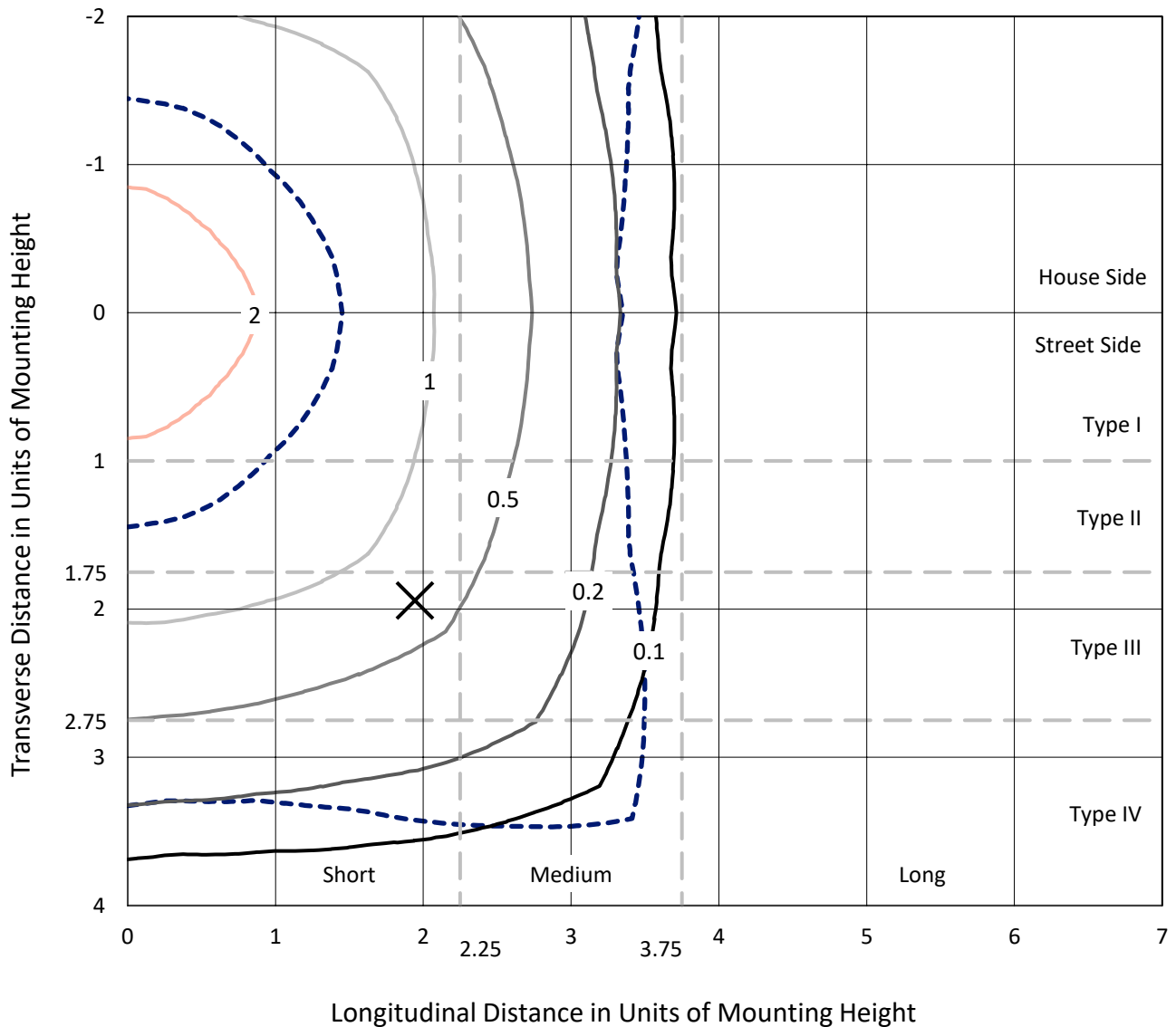
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

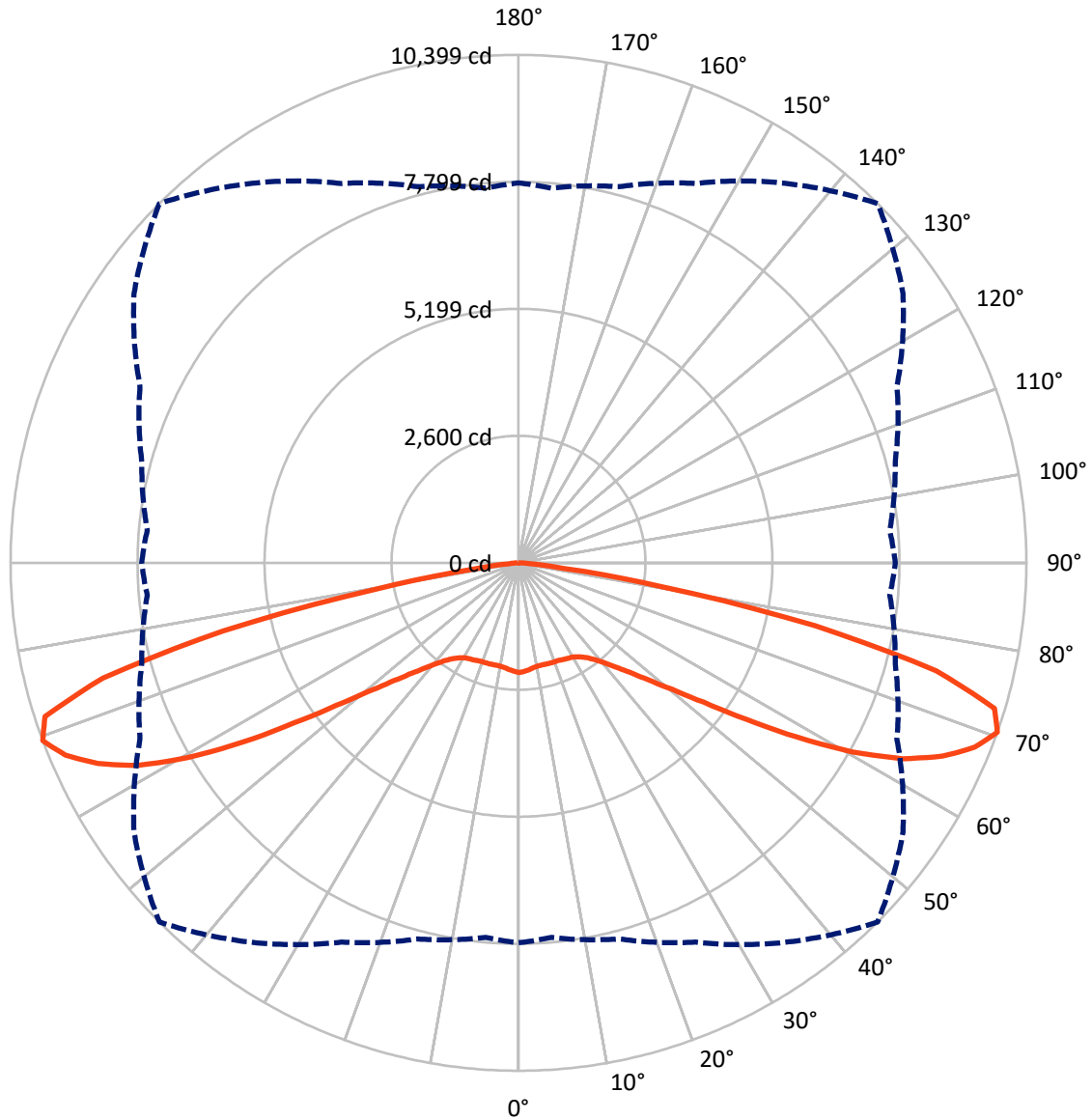
✕ Max cd  
 - - - 1/2 Max cd



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	12311.5	0.0	12311.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12311.5	0.0	12311.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24623.0	0.0	24623.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.9	0.8
10°-20°	613.5	2.5
20°-30°	1021.0	4.1
30°-40°	1544.0	6.3
40°-50°	2565.8	10.4
50°-60°	4841.5	19.7
60°-70°	8175.1	33.2
70°-80°	5371.9	21.8
80°-90°	281.4	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°	24623.0	100.0
0°-180°	24623.0	100.0

**Coefficient of Utilization**



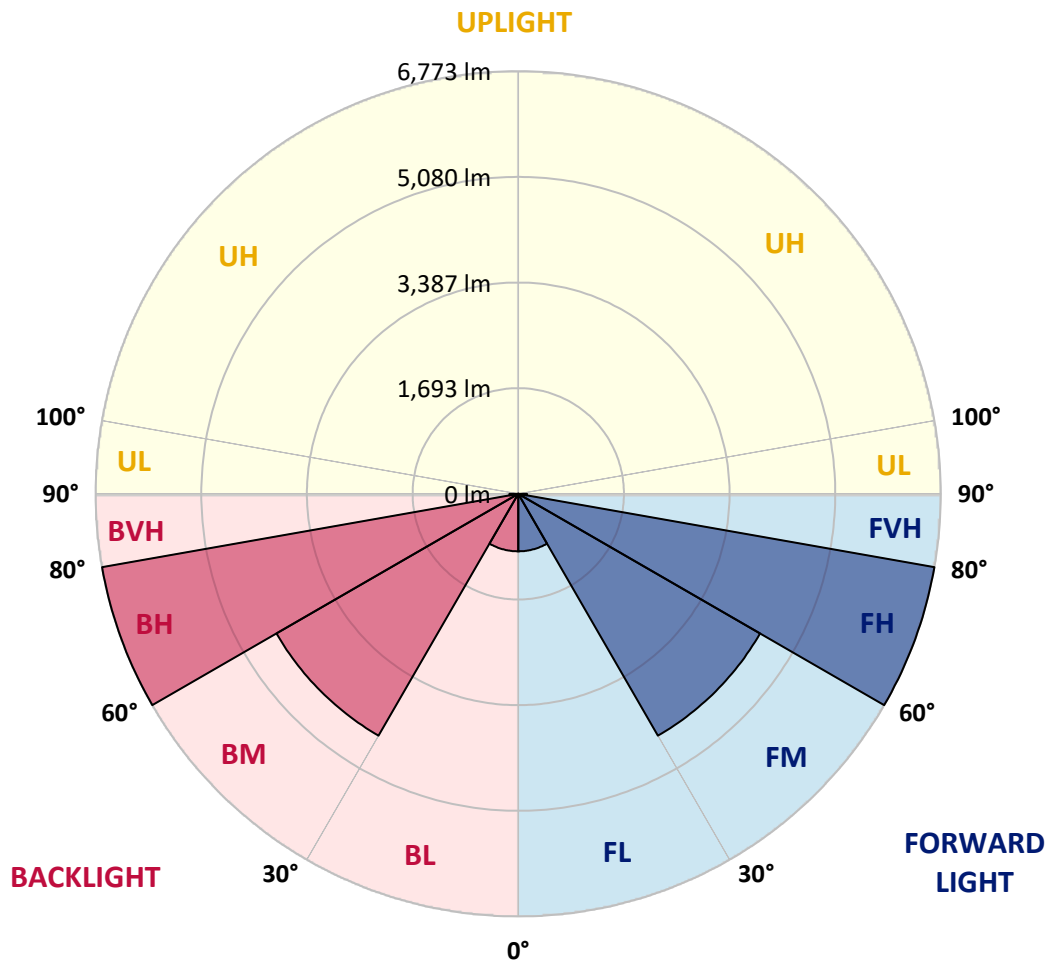
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	921.7	3.7			
FM (30°-60°)	4475.6	18.2			
FH (60°-80°)	6773.5	27.5			G3/7500
FVH (80°-90°)	140.7	0.6			G2/225
BL (0°-30°)	921.7	3.7	B2/1000		
BM (30°-60°)	4475.6	18.2	B3/5000		
BH (60°-80°)	6773.5	27.5	B5		G3/7500
BVH (80°-90°)	140.7	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°	2246.1	2246.1	2246.1	2246.1	2246.1	2246.1	2246.1	2246.1	2246.1	2246.1
2.5°	2232.0	2238.4	2235.9	2230.8	2230.8	2226.9	2230.8	2233.3	2237.2	2239.7
5°	2202.6	2207.7	2206.4	2202.6	2203.9	2200.0	2202.6	2206.4	2209.0	2210.3
7.5°	2177.0	2182.1	2179.6	2173.2	2173.2	2169.3	2170.6	2174.4	2178.3	2179.6
10°	2170.6	2175.7	2168.0	2157.8	2154.0	2148.8	2150.1	2154.0	2161.6	2165.5
12.5°	2173.2	2177.0	2169.3	2154.0	2150.1	2145.0	2145.0	2148.8	2159.1	2164.2
15°	2180.8	2184.7	2173.2	2156.5	2152.7	2148.8	2147.6	2152.7	2164.2	2173.2
17.5°	2194.9	2198.8	2180.8	2157.8	2152.7	2154.0	2152.7	2156.5	2174.4	2191.1
20°	2207.7	2210.3	2186.0	2157.8	2152.7	2154.0	2152.7	2160.4	2183.4	2206.4
22.5°	2211.6	2214.1	2191.1	2166.8	2162.9	2164.2	2162.9	2170.6	2192.4	2215.4
25°	2212.8	2216.7	2198.8	2179.6	2186.0	2188.5	2186.0	2187.2	2203.9	2224.4
27.5°	2232.0	2237.2	2220.5	2203.9	2207.7	2206.4	2210.3	2214.1	2226.9	2247.4
30°	2271.7	2275.5	2261.5	2244.8	2242.3	2233.3	2244.8	2257.6	2271.7	2289.6
32.5°	2337.0	2344.7	2326.7	2308.8	2297.3	2292.2	2301.1	2322.9	2342.1	2361.3
35°	2445.8	2450.9	2434.2	2401.0	2380.5	2380.5	2388.2	2416.3	2447.0	2471.4
37.5°	2599.3	2605.7	2576.3	2536.6	2505.9	2505.9	2516.2	2545.6	2591.7	2626.2
40°	2786.2	2795.2	2758.0	2717.1	2687.7	2682.5	2695.3	2728.6	2772.1	2815.6
42.5°	3011.5	3021.7	2973.1	2937.2	2914.2	2914.2	2920.6	2951.3	2991.0	3044.7
45°	3299.4	3317.3	3250.8	3214.9	3193.2	3198.3	3202.2	3229.0	3264.9	3326.3
47.5°	3642.4	3660.3	3589.9	3552.8	3549.0	3573.3	3557.9	3577.1	3596.3	3666.7
50°	4031.5	4062.2	4013.6	4011.0	4018.7	4063.5	4027.6	4037.9	4016.1	4060.9
52.5°	4507.6	4552.4	4543.4	4558.8	4644.5	4736.7	4654.8	4618.9	4537.0	4551.1
55°	5084.8	5152.6	5165.4	5257.6	5452.1	5640.2	5466.2	5321.6	5147.5	5115.5
57.5°	5741.3	5795.1	5856.5	6044.7	6408.1	6742.2	6408.1	6088.2	5814.3	5749.0
60°	6447.8	6514.4	6573.2	6851.0	7391.1	7860.8	7380.8	6872.7	6510.5	6422.2
62.5°	7206.8	7292.5	7333.5	7641.9	8271.6	8832.2	8280.5	7664.9	7263.1	7168.4
65°	7935.0	8005.4	8051.5	8380.4	8981.9	9543.7	9022.8	8416.2	8002.8	7878.7
67.5°	8274.1	8312.5	8425.2	8797.6	9432.4	10073.6	9539.9	8837.3	8375.3	8157.7
70°	7777.6	7699.5	7970.8	8567.2	9486.1	10398.7	9609.0	8549.3	7983.6	7630.4
72.5°	6010.1	5875.7	6346.7	7366.7	8871.8	10191.3	8933.3	7424.3	6639.8	5923.1
75°	3270.0	3117.7	3767.8	5057.9	7074.9	8833.4	7237.5	5202.5	4195.3	3245.7
77.5°	922.8	865.2	1389.9	2447.0	4255.5	6202.1	4419.3	2500.8	1648.4	977.8
80°	282.8	273.9	371.2	737.2	1807.1	2970.5	1736.7	746.1	472.3	298.2
82.5°	167.7	153.6	184.3	268.8	460.7	933.0	447.9	280.3	225.3	151.0
85°	96.0	89.6	108.8	130.5	154.9	198.4	129.3	133.1	120.3	80.6
87.5°	39.7	35.8	42.2	41.0	35.8	46.1	34.6	41.0	48.6	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2246.1
2238.4
2210.3
2179.6
2165.5
2165.5
2174.4
2191.1
2207.7
2215.4
2223.1
2242.3
2285.8
2353.6
2462.4
2613.4
2801.6
3040.9
3323.7
3646.3
4034.0
4503.7
5065.6
5703.0
6345.4
7091.6
7817.2
8160.2
7714.9
6101.0
3456.8
1086.6
314.8
163.8
84.5
29.4
0.0

OF REPORT)