

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: P943300

Luminaire Tested: **GLAN-SB7D-722-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

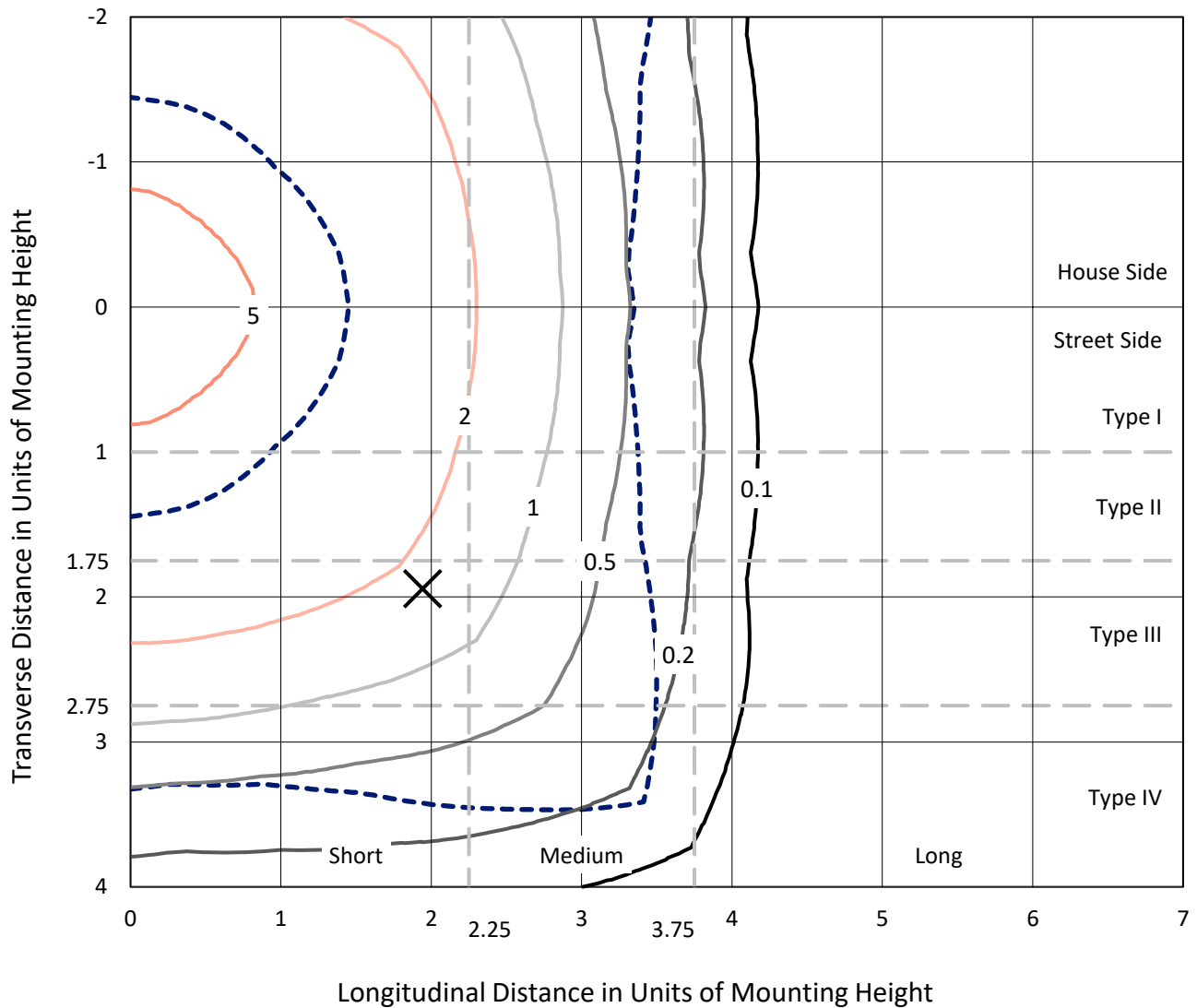
Lumens per Lamp: N/A  
Luminaire Lumens: 60471 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

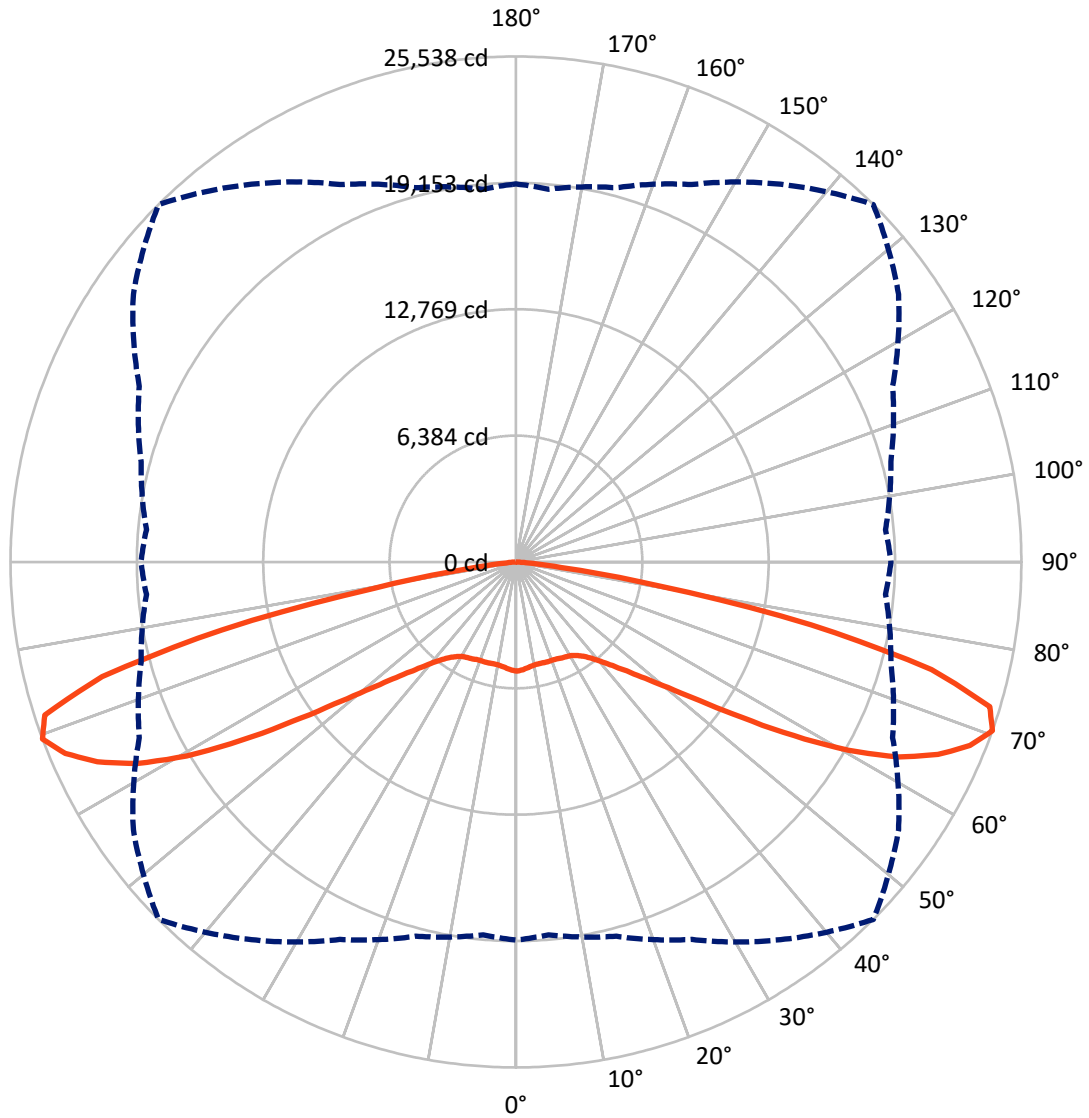
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	30235.5	0.0	30235.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	30235.5	0.0	30235.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	60471.0	0.0	60471.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	513.1	0.8
10°-20°	1506.7	2.5
20°-30°	2507.3	4.1
30°-40°	3791.9	6.3
40°-50°	6301.2	10.4
50°-60°	11890.1	19.7
60°-70°	20076.9	33.2
70°-80°	13192.6	21.8
80°-90°	691.2	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°	60471.0	100.0
0°-180°	60471.0	100.0



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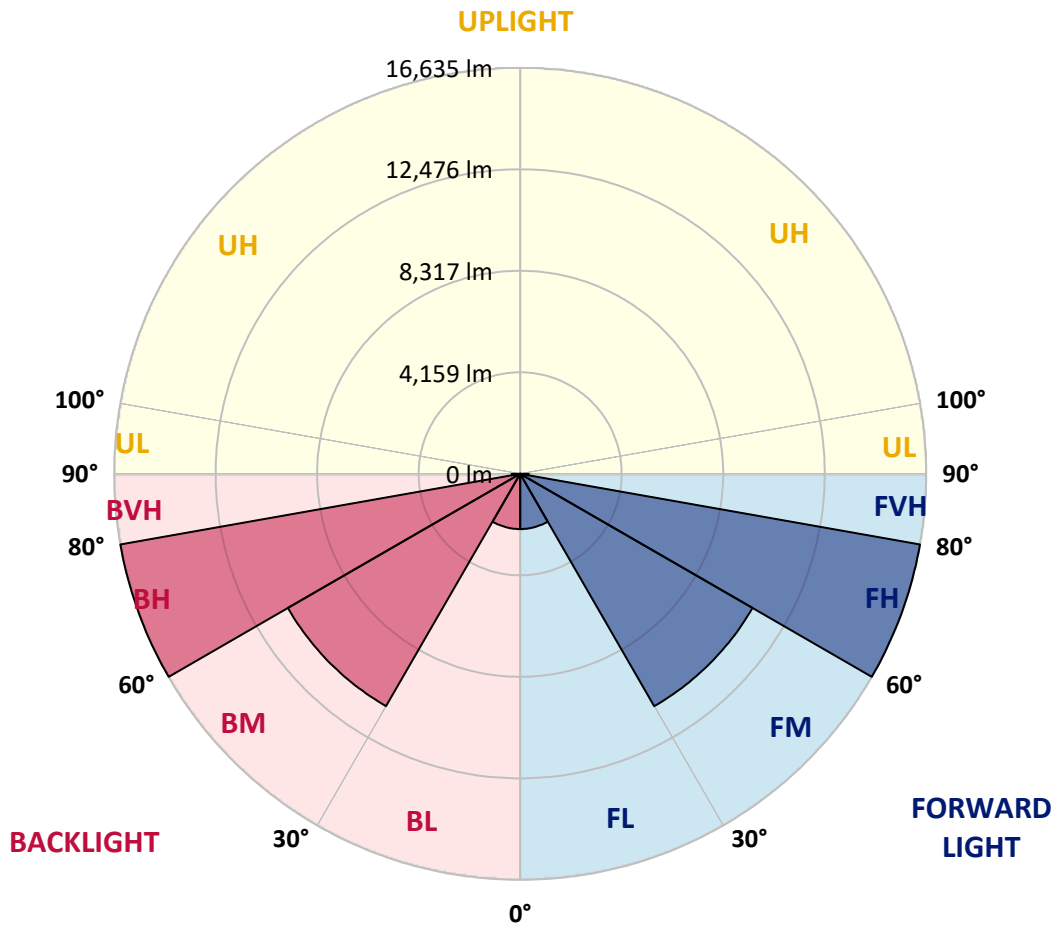
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2263.6	3.7			
FM (30°-60°)	10991.6	18.2			
FH (60°-80°)	16634.8	27.5			G5
FVH (80°-90°)	345.6	0.6			G3/500
BL (0°-30°)	2263.6	3.7	B3/2500		
BM (30°-60°)	10991.6	18.2	B5		
BH (60°-80°)	16634.8	27.5	B5		G5
BVH (80°-90°)	345.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5516.2	5516.2	5516.2	5516.2	5516.2	5516.2	5516.2	5516.2	5516.2	5516.2
2.5°	5481.6	5497.3	5491.0	5478.5	5478.5	5469.0	5478.5	5484.7	5494.2	5500.5
5°	5409.3	5421.9	5418.7	5409.3	5412.4	5403.0	5409.3	5418.7	5425.0	5428.2
7.5°	5346.4	5359.0	5352.7	5337.0	5337.0	5327.6	5330.7	5340.2	5349.6	5352.7
10°	5330.7	5343.3	5324.4	5299.3	5289.9	5277.3	5280.4	5289.9	5308.7	5318.2
12.5°	5337.0	5346.4	5327.6	5289.9	5280.4	5267.9	5267.9	5277.3	5302.4	5315.0
15°	5355.9	5365.3	5337.0	5296.2	5286.7	5277.3	5274.2	5286.7	5315.0	5337.0
17.5°	5390.4	5399.9	5355.9	5299.3	5286.7	5289.9	5286.7	5296.2	5340.2	5381.0
20°	5421.9	5428.2	5368.4	5299.3	5286.7	5289.9	5286.7	5305.6	5362.2	5418.7
22.5°	5431.3	5437.6	5381.0	5321.3	5311.9	5315.0	5311.9	5330.7	5384.2	5440.7
25°	5434.5	5443.9	5399.9	5352.7	5368.4	5374.7	5368.4	5371.6	5412.4	5462.7
27.5°	5481.6	5494.2	5453.3	5412.4	5421.9	5418.7	5428.2	5437.6	5469.0	5519.3
30°	5579.0	5588.5	5553.9	5513.0	5506.7	5484.7	5513.0	5544.5	5579.0	5623.0
32.5°	5739.3	5758.2	5714.2	5670.2	5641.9	5629.3	5651.3	5704.8	5751.9	5799.1
35°	6006.5	6019.1	5978.2	5896.5	5846.2	5846.2	5865.1	5934.2	6009.6	6069.4
37.5°	6383.7	6399.4	6327.1	6229.7	6154.2	6154.2	6179.4	6251.7	6364.8	6449.7
40°	6842.6	6864.6	6773.4	6672.8	6600.5	6588.0	6619.4	6701.1	6808.0	6914.9
42.5°	7395.8	7420.9	7301.5	7213.5	7156.9	7156.9	7172.6	7248.0	7345.5	7477.5
45°	8103.0	8147.0	7983.5	7895.5	7842.1	7854.7	7864.1	7930.1	8018.1	8169.0
47.5°	8945.3	8989.3	8816.4	8725.3	8715.9	8775.6	8737.9	8785.0	8832.2	9005.0
50°	9900.8	9976.3	9856.8	9850.5	9869.4	9979.4	9891.4	9916.5	9863.1	9973.1
52.5°	11070.1	11180.1	11158.1	11195.8	11406.4	11632.7	11431.5	11343.5	11142.4	11176.9
55°	12487.6	12654.2	12685.6	12911.9	13389.7	13851.7	13424.3	13069.1	12641.6	12563.0
57.5°	14100.0	14232.0	14382.9	14844.9	15737.6	16557.9	15737.6	14951.8	14279.2	14118.9
60°	15835.0	15998.5	16143.1	16825.1	18151.5	19305.0	18126.4	16878.5	15989.0	15772.2
62.5°	17698.9	17909.5	18010.1	18767.6	20314.0	21690.7	20336.0	18824.1	17837.2	17604.6
65°	19487.3	19660.2	19773.4	20581.1	22058.4	23438.2	22159.0	20669.1	19653.9	19349.0
67.5°	20320.3	20414.6	20691.1	21605.8	23164.8	24739.5	23428.8	21703.2	20568.6	20034.2
70°	19100.7	18909.0	19575.3	21040.0	23296.8	25537.8	23598.5	20996.0	19606.8	18739.3
72.5°	14760.1	14430.1	15586.7	18091.8	21788.1	25028.7	21939.0	18233.2	16306.5	14546.4
75°	8030.7	7656.6	9253.3	12421.6	17375.2	21693.8	17774.3	12776.8	10303.1	7970.9
77.5°	2266.2	2124.7	3413.4	6009.6	10450.9	15231.6	10853.2	6141.7	4048.3	2401.3
80°	694.6	672.6	911.5	1810.4	4438.1	7295.2	4265.2	1832.4	1159.8	732.3
82.5°	411.7	377.2	452.6	660.1	1131.5	2291.3	1100.1	688.3	553.2	370.9
85°	235.7	220.0	267.2	320.6	380.3	487.2	317.5	326.9	295.5	198.0
87.5°	97.4	88.0	103.7	100.6	88.0	113.2	84.9	100.6	119.4	78.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5516.2
5497.3
5428.2
5352.7
5318.2
5318.2
5340.2
5381.0
5421.9
5440.7
5459.6
5506.7
5613.6
5780.2
6047.4
6418.2
6880.3
7468.0
8162.7
8954.7
9907.1
11060.6
12440.5
14005.7
15583.6
17416.0
19198.2
20040.5
18946.7
14983.2
8489.6
2668.5
773.2
402.3
207.4
72.3
0.0

OF REPORT)