

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: P851641

Luminaire Tested: **GLAN-SB9D-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851641  
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-SB9D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 73313 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

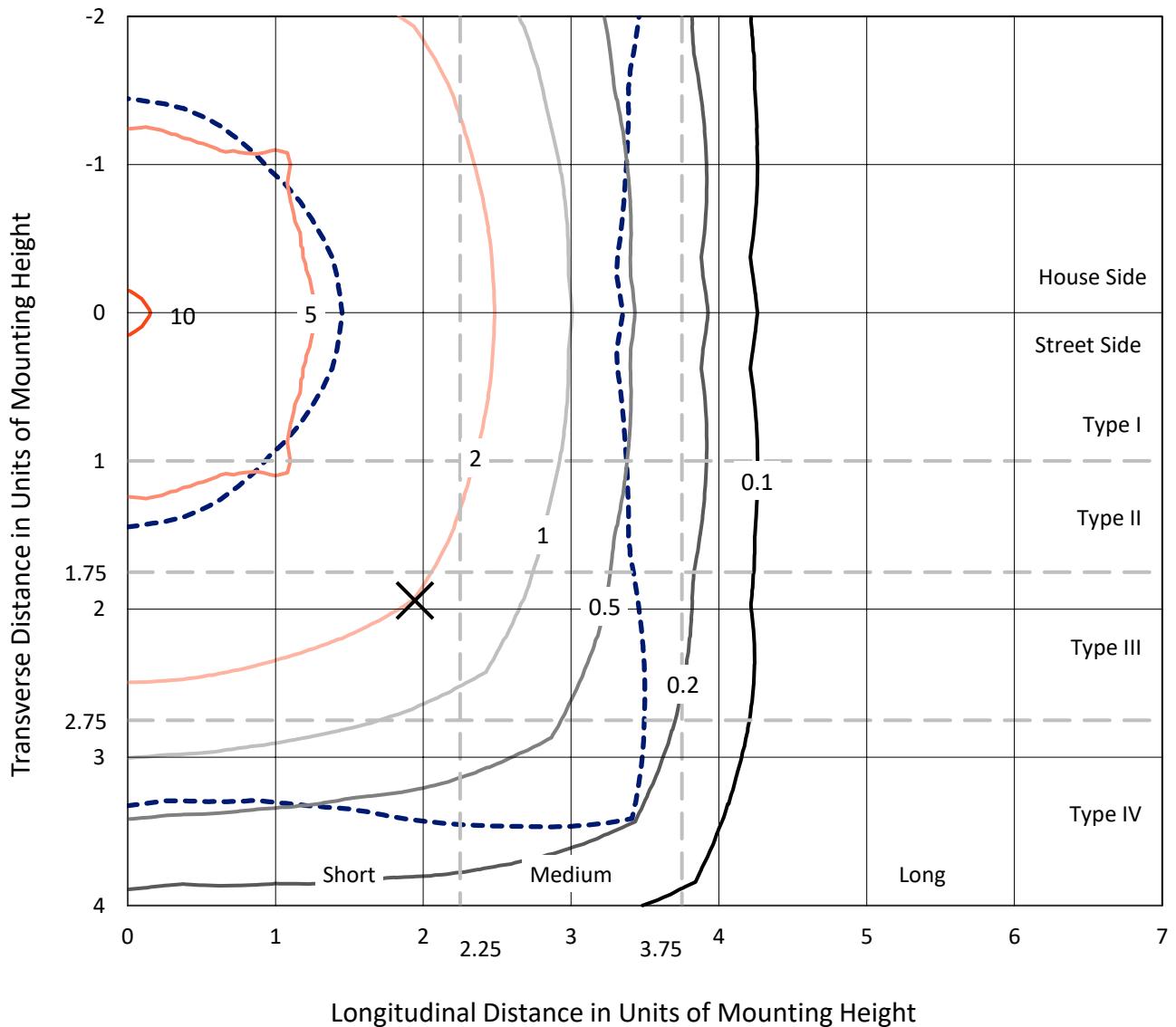
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

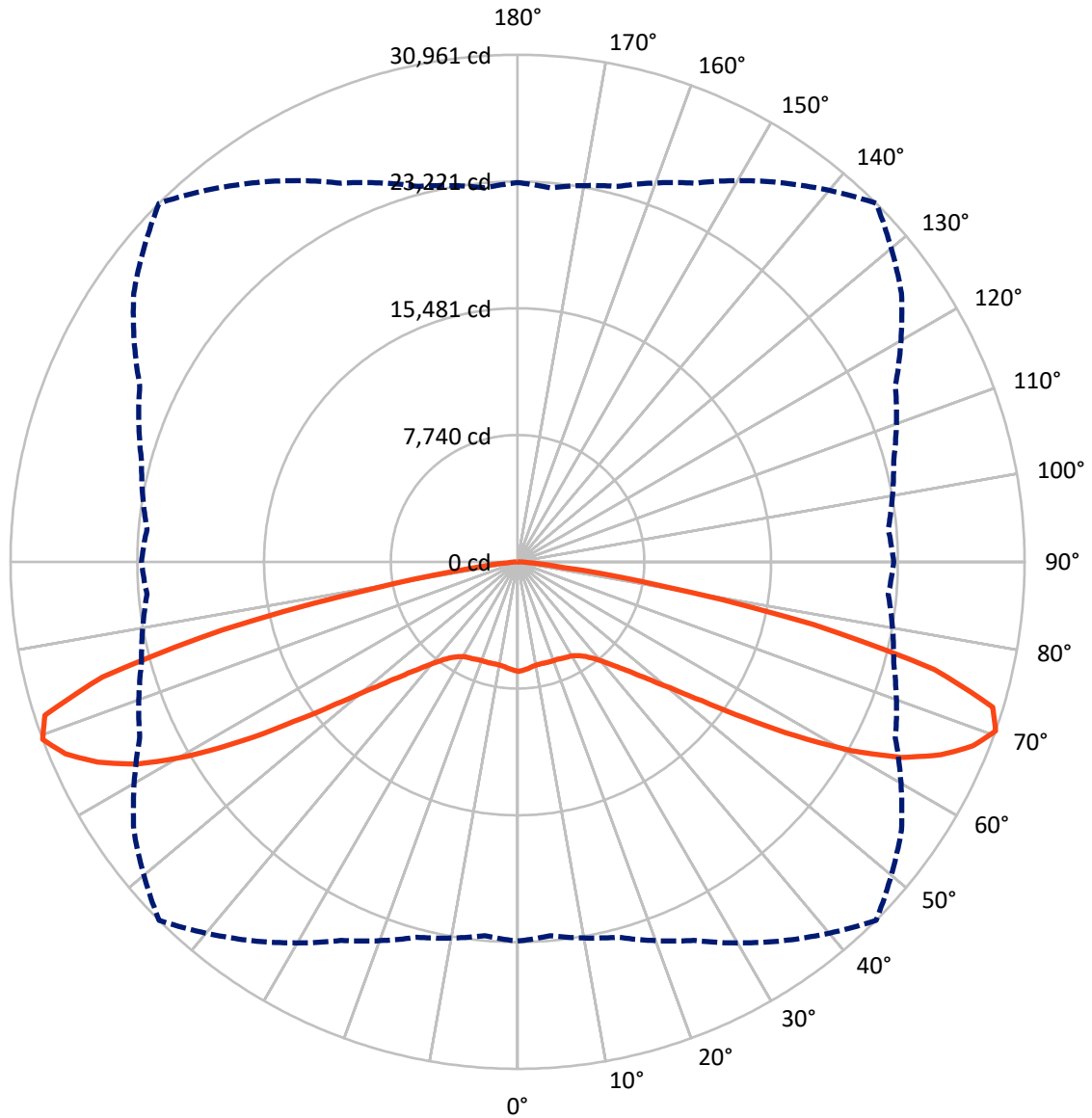
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	36656.5	0.0	36656.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36656.5	0.0	36656.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	73313.0	0.0	73313.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	622.1	0.8
10°-20°	1826.7	2.5
20°-30°	3039.8	4.1
30°-40°	4597.1	6.3
40°-50°	7639.3	10.4
50°-60°	14415.2	19.7
60°-70°	24340.6	33.2
70°-80°	15994.3	21.8
80°-90°	837.9	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°	73313.0	100.0
0°-180°	73313.0	100.0

**Coefficient of Utilization**



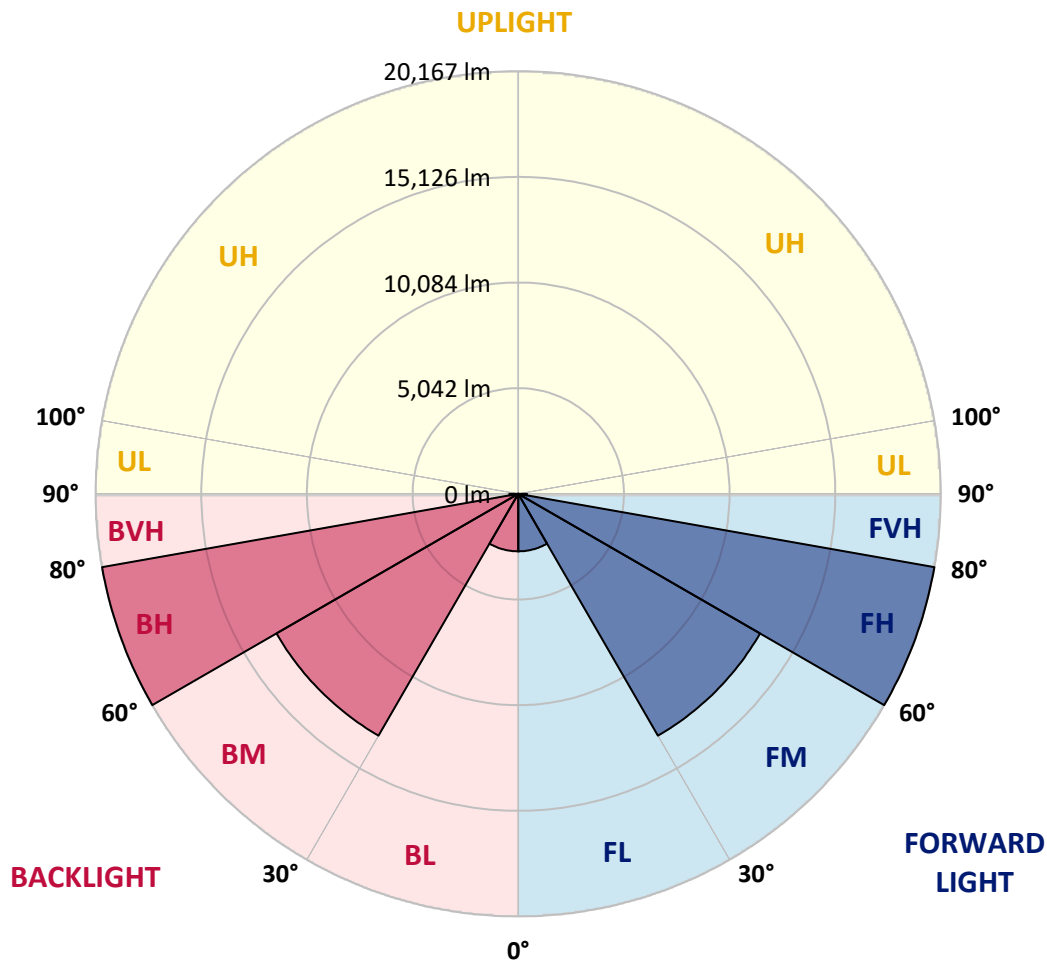
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2744.3	3.7			
FM (30°-60°)	13325.8	18.2			
FH (60°-80°)	20167.4	27.5			G5
FVH (80°-90°)	419.0	0.6			G3/500
BL (0°-30°)	2744.3	3.7	B4/5000		
BM (30°-60°)	13325.8	18.2	B5		
BH (60°-80°)	20167.4	27.5	B5		G5
BVH (80°-90°)	419.0	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°	6687.6	6687.6	6687.6	6687.6	6687.6	6687.6	6687.6	6687.6	6687.6	6687.6
2.5°	6645.7	6664.8	6657.1	6641.9	6641.9	6630.5	6641.9	6649.5	6660.9	6668.6
5°	6558.1	6573.3	6569.5	6558.1	6561.9	6550.4	6558.1	6569.5	6577.1	6580.9
7.5°	6481.8	6497.1	6489.5	6470.4	6470.4	6459.0	6462.8	6474.2	6485.7	6489.5
10°	6462.8	6478.0	6455.2	6424.7	6413.3	6398.0	6401.8	6413.3	6436.1	6447.6
12.5°	6470.4	6481.8	6459.0	6413.3	6401.8	6386.6	6386.6	6398.0	6428.5	6443.7
15°	6493.3	6504.7	6470.4	6420.9	6409.4	6398.0	6394.2	6409.4	6443.7	6470.4
17.5°	6535.2	6546.6	6493.3	6424.7	6409.4	6413.3	6409.4	6420.9	6474.2	6523.8
20°	6573.3	6580.9	6508.5	6424.7	6409.4	6413.3	6409.4	6432.3	6500.9	6569.5
22.5°	6584.7	6592.4	6523.8	6451.4	6439.9	6443.7	6439.9	6462.8	6527.6	6596.2
25°	6588.5	6600.0	6546.6	6489.5	6508.5	6516.1	6508.5	6512.3	6561.9	6622.8
27.5°	6645.7	6660.9	6611.4	6561.9	6573.3	6569.5	6580.9	6592.4	6630.5	6691.4
30°	6763.8	6775.3	6733.3	6683.8	6676.2	6649.5	6683.8	6721.9	6763.8	6817.2
32.5°	6958.2	6981.0	6927.7	6874.3	6840.0	6824.8	6851.5	6916.3	6973.4	7030.6
35°	7282.1	7297.3	7247.8	7148.7	7087.7	7087.7	7110.6	7194.4	7285.9	7358.3
37.5°	7739.4	7758.4	7670.8	7552.6	7461.2	7461.2	7491.7	7579.3	7716.5	7819.4
40°	8295.7	8322.4	8211.9	8089.9	8002.3	7987.0	8025.1	8124.2	8253.8	8383.3
42.5°	8966.4	8996.9	8852.0	8745.4	8676.8	8676.8	8695.8	8787.3	8905.4	9065.4
45°	9823.8	9877.1	9679.0	9572.3	9507.5	9522.7	9534.1	9614.2	9720.9	9903.8
47.5°	10845.0	10898.3	10688.8	10578.3	10566.8	10639.2	10593.5	10650.7	10707.8	10917.4
50°	12003.4	12094.9	11950.1	11942.5	11965.3	12098.7	11992.0	12022.5	11957.7	12091.1
52.5°	13421.0	13554.3	13527.7	13573.4	13828.7	14103.1	13859.2	13752.5	13508.6	13550.5
55°	15139.6	15341.5	15379.6	15654.0	16233.2	16793.4	16275.1	15844.5	15326.3	15231.0
57.5°	17094.4	17254.4	17437.4	17997.5	19079.7	20074.3	19079.7	18127.1	17311.6	17117.3
60°	19197.9	19396.0	19571.3	20398.2	22006.3	23404.8	21975.8	20463.0	19384.6	19121.6
62.5°	21457.5	21712.9	21834.8	22753.2	24628.0	26297.0	24654.7	22821.7	21625.2	21343.2
65°	23625.8	23835.4	23972.6	24951.9	26742.9	28415.7	26864.8	25058.6	23827.7	23458.1
67.5°	24635.6	24749.9	25085.2	26194.1	28084.2	29993.3	28404.3	26312.3	24936.6	24288.8
70°	23157.1	22924.6	23732.5	25508.2	28244.2	30961.2	28610.1	25454.9	23770.6	22718.9
72.5°	17894.6	17494.5	18896.8	21933.9	26415.2	30343.9	26598.1	22105.4	19769.4	17635.5
75°	9736.1	9282.6	11218.4	15059.5	21065.1	26300.8	21549.0	15490.1	12491.2	9663.7
77.5°	2747.5	2576.0	4138.3	7285.9	12670.3	18466.2	13158.0	7445.9	4908.1	2911.3
80°	842.1	815.5	1105.1	2194.9	5380.6	8844.4	5171.0	2221.6	1406.1	887.9
82.5°	499.2	457.3	548.7	800.2	1371.8	2777.9	1333.7	834.5	670.7	449.7
85°	285.8	266.7	323.9	388.7	461.1	590.6	384.9	396.3	358.2	240.1
87.5°	118.1	106.7	125.8	121.9	106.7	137.2	102.9	121.9	144.8	95.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6687.6
6664.8
6580.9
6489.5
6447.6
6447.6
6474.2
6523.8
6573.3
6596.2
6619.0
6676.2
6805.8
7007.7
7331.6
7781.3
8341.4
9054.0
9896.2
10856.4
12011.0
13409.5
15082.4
16980.1
18893.0
21114.6
23275.2
24296.5
22970.4
18165.2
10292.5
3235.2
937.4
487.8
251.5
87.6
0.0

OF REPORT)