

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: P850961

Luminaire Tested: **GLAN-SB8D-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850961  
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-SB8D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 65086 lumens  
Efficiency: N/A  
Efficacy: 111.3 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

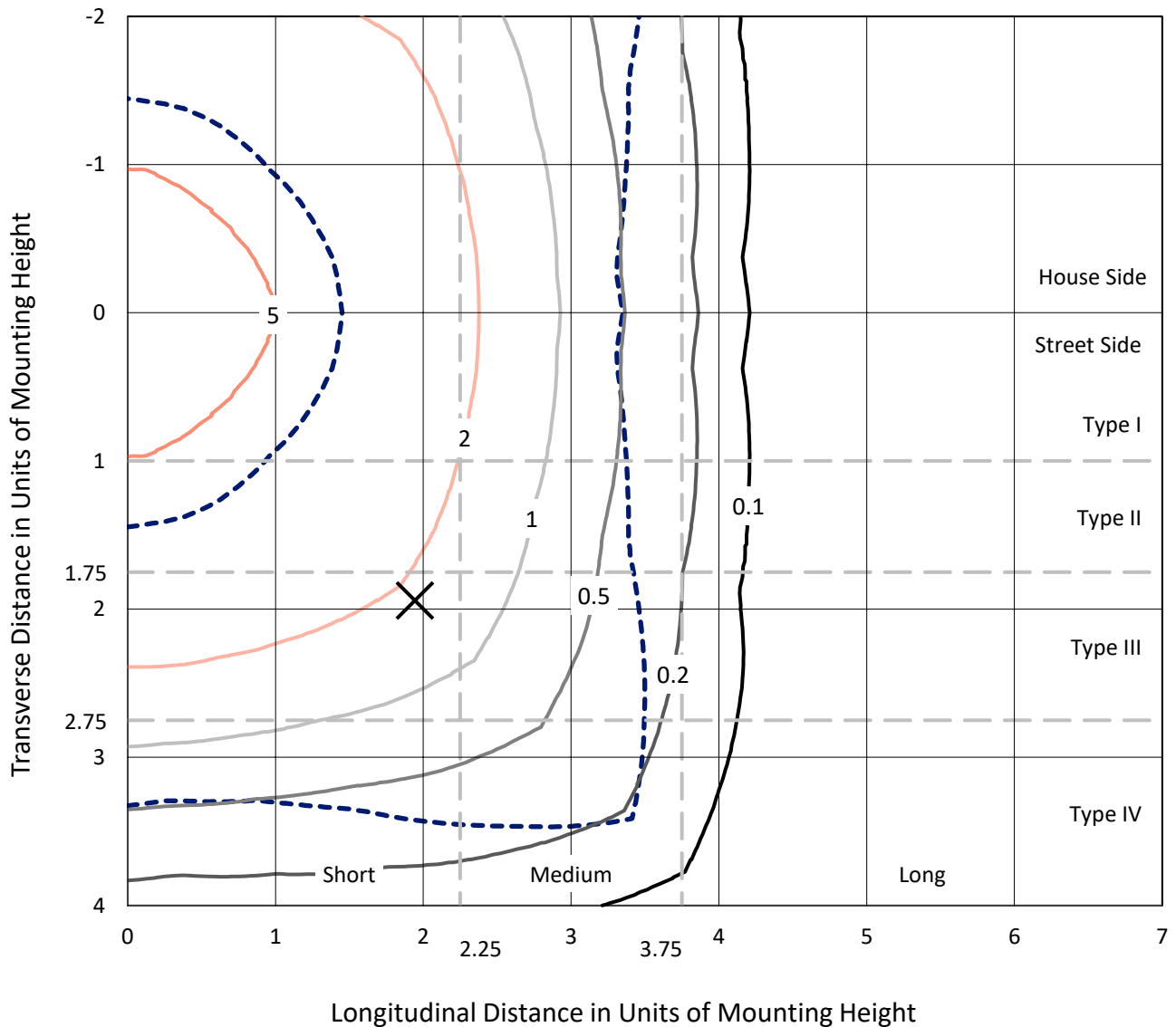
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

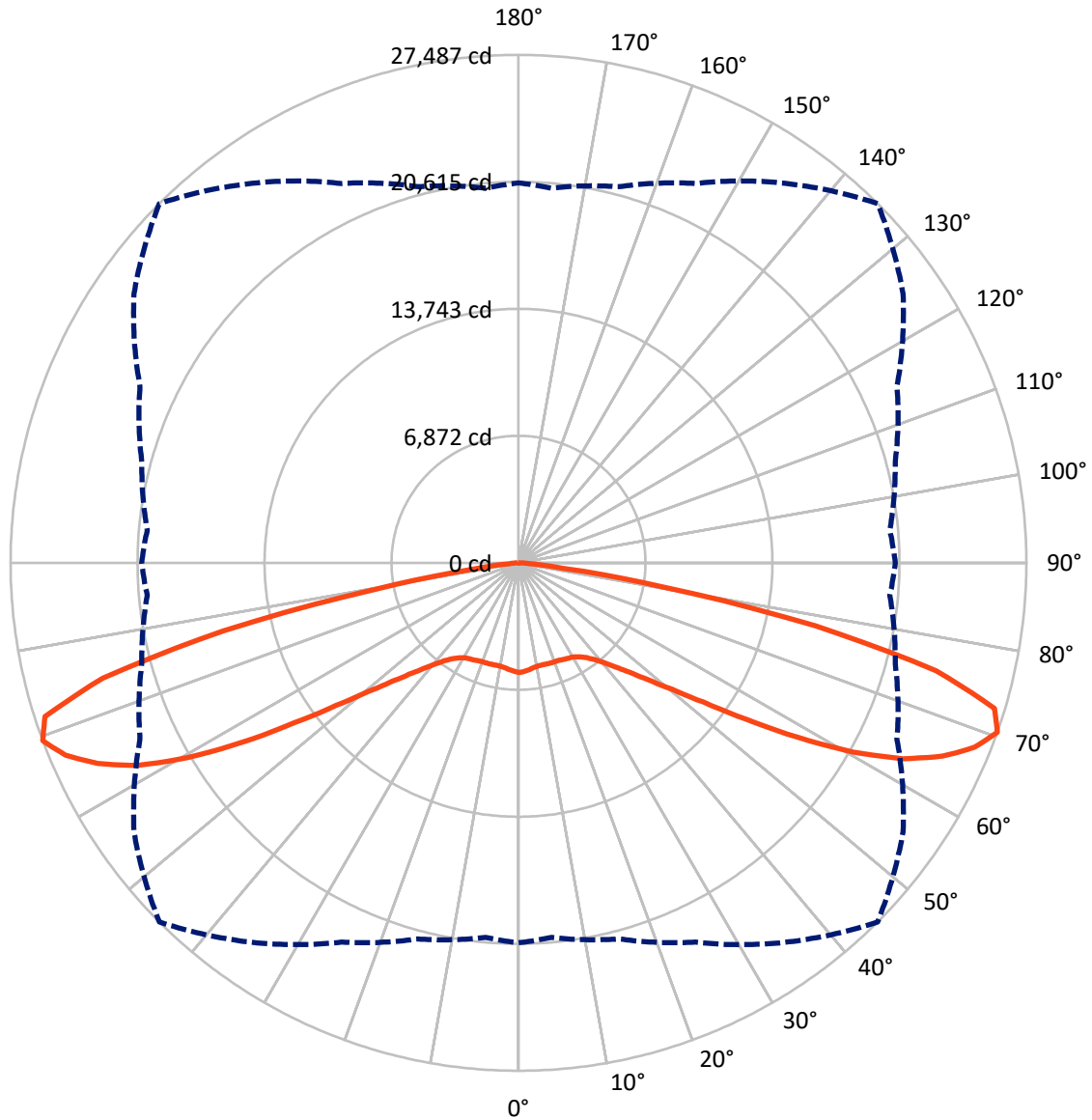
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	32543.0	0.0	32543.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	32543.0	0.0	32543.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	65086.0	0.0	65086.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.3	0.8
10°-20°	1621.7	2.5
20°-30°	2698.7	4.1
30°-40°	4081.3	6.3
40°-50°	6782.1	10.4
50°-60°	12797.5	19.7
60°-70°	21609.1	33.2
70°-80°	14199.4	21.8
80°-90°	743.9	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°	65086.0	100.0
0°-180°	65086.0	100.0

**Coefficient of Utilization**

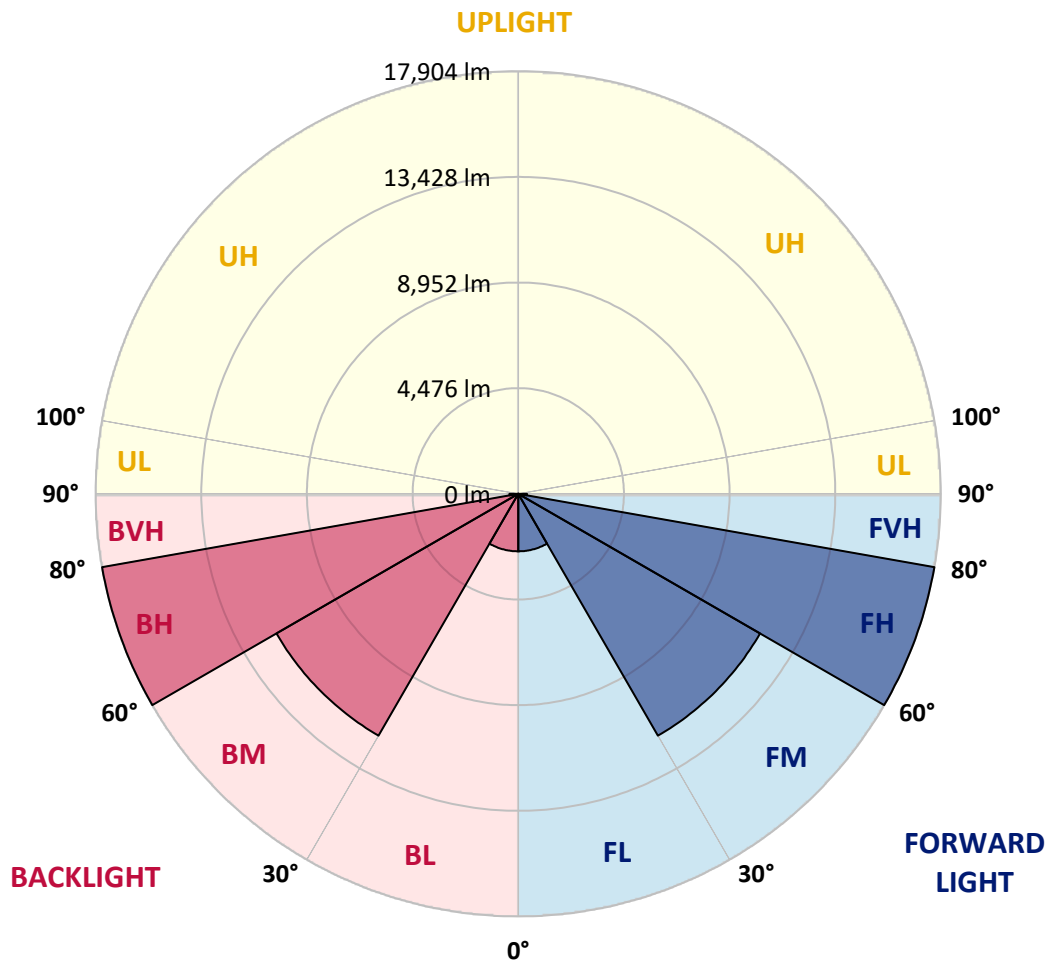


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2436.3	3.7			
FM (30°-60°)	11830.4	18.2			
FH (60°-80°)	17904.3	27.5			G5
FVH (80°-90°)	372.0	0.6			G3/500
BL (0°-30°)	2436.3	3.7	B3/2500		
BM (30°-60°)	11830.4	18.2	B5		
BH (60°-80°)	17904.3	27.5	B5		G5
BVH (80°-90°)	372.0	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°	5937.2	5937.2	5937.2	5937.2	5937.2	5937.2	5937.2	5937.2	5937.2	5937.2
2.5°	5899.9	5916.9	5910.1	5896.6	5896.6	5886.4	5896.6	5903.3	5913.5	5920.2
5°	5822.1	5835.7	5832.3	5822.1	5825.5	5815.4	5822.1	5832.3	5839.0	5842.4
7.5°	5754.5	5768.0	5761.2	5744.3	5744.3	5734.2	5737.6	5747.7	5757.9	5761.2
10°	5737.6	5751.1	5730.8	5703.7	5693.6	5680.0	5683.4	5693.6	5713.9	5724.0
12.5°	5744.3	5754.5	5734.2	5693.6	5683.4	5669.9	5669.9	5680.0	5707.1	5720.6
15°	5764.6	5774.8	5744.3	5700.3	5690.2	5680.0	5676.7	5690.2	5720.6	5744.3
17.5°	5801.8	5812.0	5764.6	5703.7	5690.2	5693.6	5690.2	5700.3	5747.7	5791.7
20°	5835.7	5842.4	5778.2	5703.7	5690.2	5693.6	5690.2	5710.5	5771.4	5832.3
22.5°	5845.8	5852.6	5791.7	5727.4	5717.3	5720.6	5717.3	5737.6	5795.1	5856.0
25°	5849.2	5859.3	5812.0	5761.2	5778.2	5784.9	5778.2	5781.5	5825.5	5879.6
27.5°	5899.9	5913.5	5869.5	5825.5	5835.7	5832.3	5842.4	5852.6	5886.4	5940.5
30°	6004.8	6015.0	5977.7	5933.8	5927.0	5903.3	5933.8	5967.6	6004.8	6052.2
32.5°	6177.3	6197.6	6150.3	6102.9	6072.5	6058.9	6082.6	6140.1	6190.9	6241.6
35°	6464.9	6478.4	6434.5	6346.5	6292.4	6292.4	6312.7	6387.1	6468.3	6532.6
37.5°	6870.9	6887.8	6810.0	6705.1	6623.9	6623.9	6651.0	6728.8	6850.6	6941.9
40°	7364.8	7388.5	7290.4	7182.1	7104.3	7090.8	7124.6	7212.5	7327.6	7442.6
42.5°	7960.2	7987.2	7858.7	7764.0	7703.1	7703.1	7720.0	7801.2	7906.1	8048.1
45°	8721.4	8768.7	8592.8	8498.1	8440.6	8454.1	8464.2	8535.3	8630.0	8792.4
47.5°	9628.0	9675.4	9489.3	9391.2	9381.0	9445.3	9404.7	9455.5	9506.2	9692.3
50°	10656.4	10737.6	10609.1	10602.3	10622.6	10741.0	10646.3	10673.3	10615.8	10734.2
52.5°	11914.9	12033.3	12009.6	12050.2	12276.9	12520.5	12303.9	12209.2	11992.7	12029.9
55°	13440.6	13619.9	13653.8	13897.3	14411.6	14908.9	14448.8	14066.5	13606.4	13521.8
57.5°	15176.1	15318.2	15480.6	15977.9	16938.6	17821.6	16938.6	16092.9	15368.9	15196.4
60°	17043.5	17219.4	17375.1	18109.2	19536.8	20778.3	19509.7	18166.7	17209.3	16975.9
62.5°	19049.6	19276.3	19384.6	20199.9	21864.3	23346.0	21888.0	20260.7	19198.5	18948.1
65°	20974.6	21160.6	21282.4	22151.8	23741.8	25227.0	23850.1	22246.6	21153.9	20825.7
67.5°	21871.1	21972.5	22270.2	23254.7	24932.7	26627.5	25216.8	23359.6	22138.3	21563.2
70°	20558.5	20352.1	21069.3	22645.8	25074.7	27486.8	25399.5	22598.4	21103.1	20169.4
72.5°	15886.5	15531.3	16776.3	19472.5	23450.9	26938.8	23613.3	19624.7	17551.0	15656.5
75°	8643.5	8241.0	9959.5	13369.6	18701.2	23349.4	19130.8	13751.9	11089.5	8579.3
77.5°	2439.1	2286.9	3673.9	6468.3	11248.5	16394.0	11681.5	6610.4	4357.3	2584.6
80°	747.6	724.0	981.1	1948.6	4776.8	7851.9	4590.7	1972.3	1248.3	788.2
82.5°	443.2	406.0	487.2	710.4	1217.9	2466.2	1184.0	740.9	595.4	399.2
85°	253.7	236.8	287.6	345.1	409.3	524.4	341.7	351.8	318.0	213.1
87.5°	104.9	94.7	111.6	108.3	94.7	121.8	91.3	108.3	128.6	84.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
5937.2  
5916.9  
5842.4  
5761.2  
5724.0  
5724.0  
5747.7  
5791.7  
5835.7  
5856.0  
5876.3  
5927.0  
6042.0  
6221.3  
6508.9  
6908.1  
7405.4  
8038.0  
8785.6  
9638.1  
10663.2  
11904.8  
13389.9  
15074.6  
16772.9  
18745.2  
20663.3  
21570.0  
20392.7  
16126.7  
9137.5  
2872.2  
832.2  
433.0  
223.3  
77.8  
0.0

OF REPORT)