

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: P943980

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943980
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-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: 68757 lumens
Efficiency: N/A
Efficacy: 117.6 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

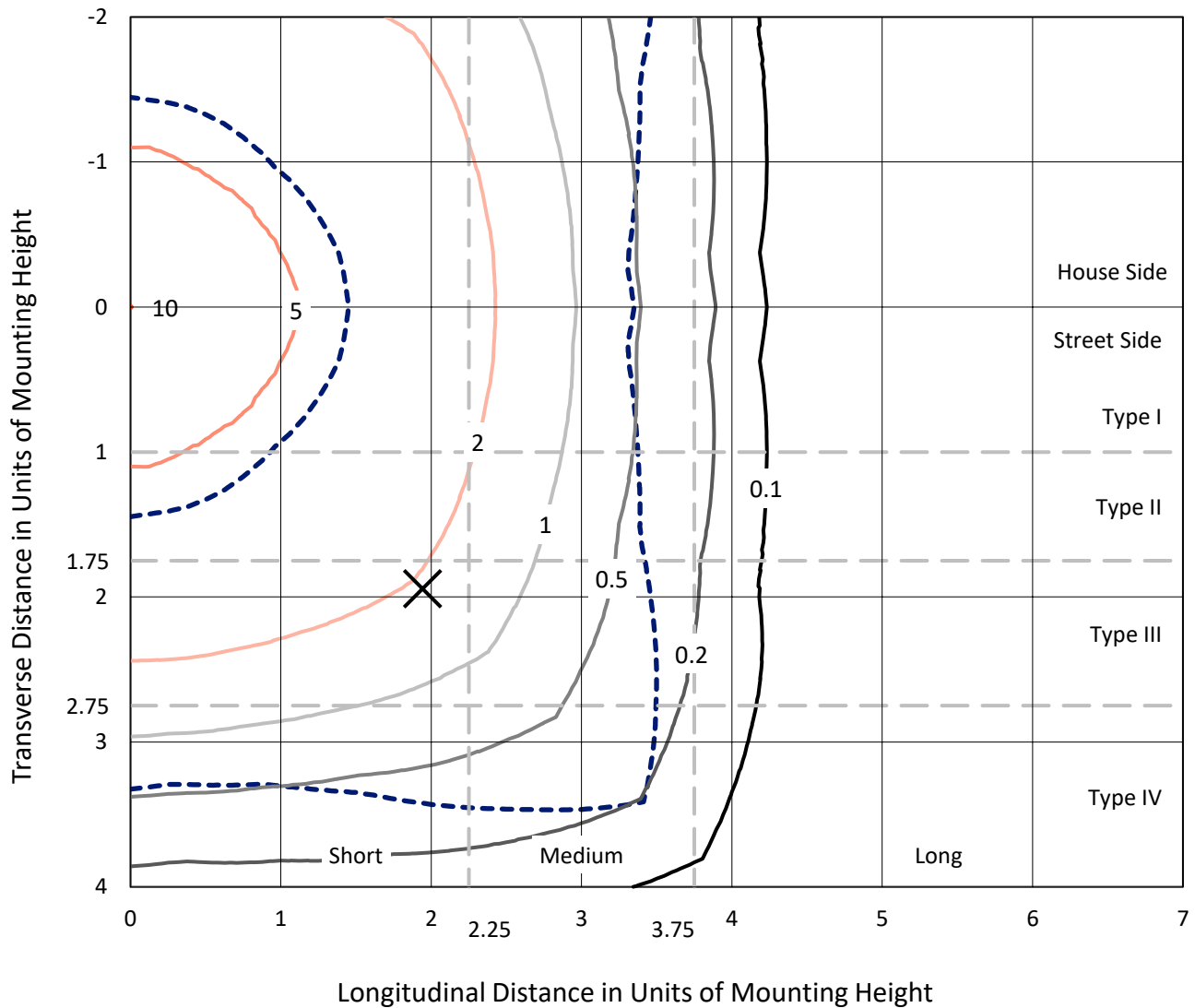


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Iso-Footcandle Lines of Horizontal Illumination

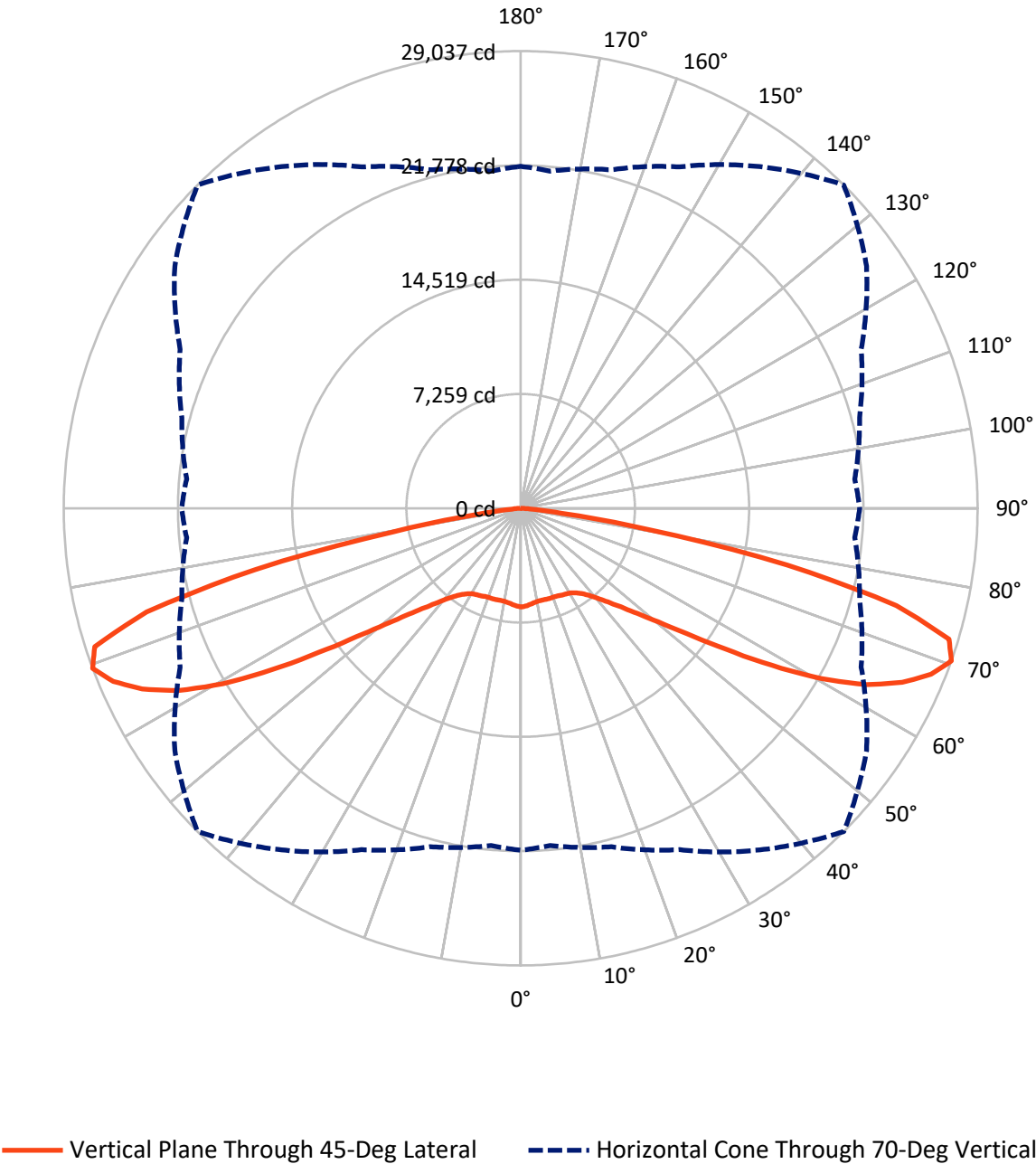
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34378.5	0.0	34378.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34378.5	0.0	34378.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	68757.0	0.0	68757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.4	0.8
10°-20°	1713.1	2.5
20°-30°	2850.9	4.1
30°-40°	4311.4	6.3
40°-50°	7164.6	10.4
50°-60°	13519.3	19.7
60°-70°	22827.9	33.2
70°-80°	15000.3	21.8
80°-90°	785.9	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°	68757.0	100.0
0°-180°	68757.0	100.0

Coefficient of Utilization



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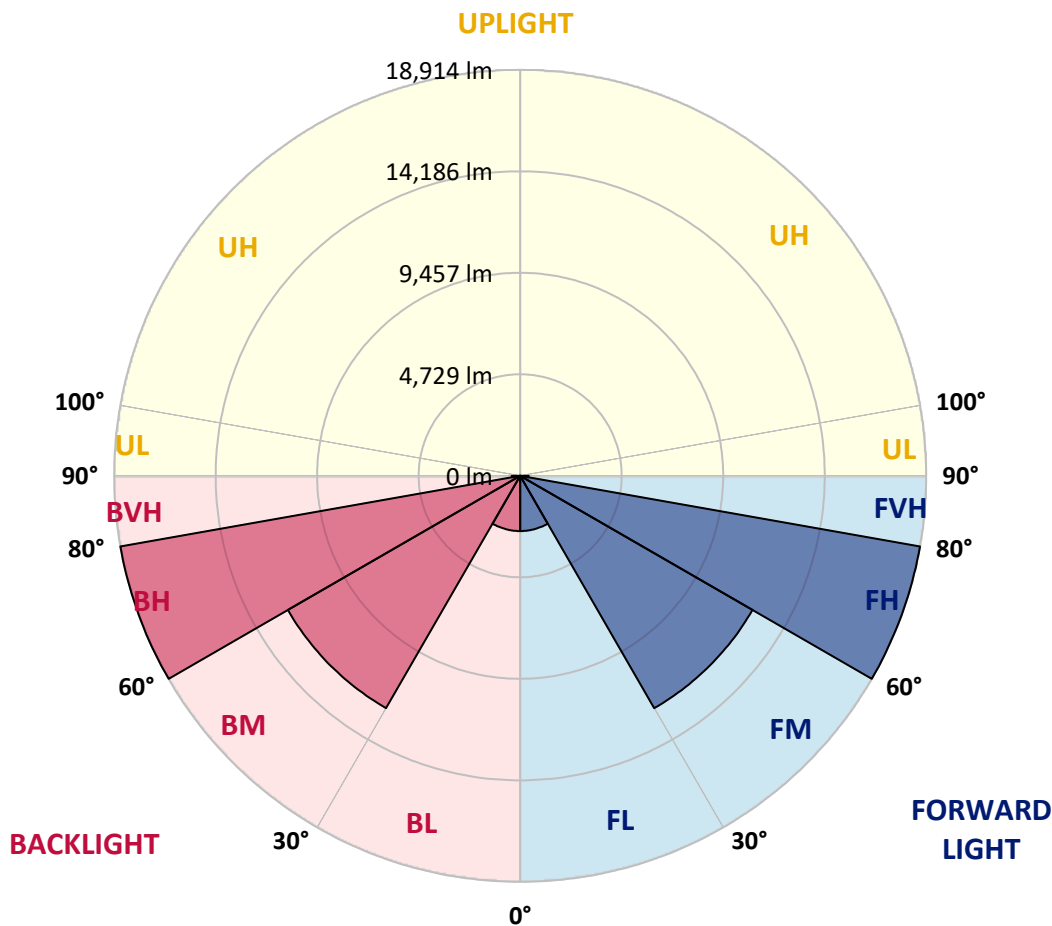
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2573.7	3.7			
FM	(30°-60°)	12497.7	18.2			
FH	(60°-80°)	18914.1	27.5			G5
FVH	(80°-90°)	392.9	0.6			G3/500
BL	(0°-30°)	2573.7	3.7	B4/5000		
BM	(30°-60°)	12497.7	18.2	B5		
BH	(60°-80°)	18914.1	27.5	B5		G5
BVH	(80°-90°)	392.9	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°	6272.0	6272.0	6272.0	6272.0	6272.0	6272.0	6272.0	6272.0	6272.0	6272.0
2.5°	6232.7	6250.6	6243.4	6229.1	6229.1	6218.4	6229.1	6236.3	6247.0	6254.2
5°	6150.5	6164.8	6161.2	6150.5	6154.1	6143.4	6150.5	6161.2	6168.4	6172.0
7.5°	6079.0	6093.3	6086.2	6068.3	6068.3	6057.6	6061.2	6071.9	6082.6	6086.2
10°	6061.2	6075.5	6054.0	6025.4	6014.7	6000.4	6004.0	6014.7	6036.2	6046.9
12.5°	6068.3	6079.0	6057.6	6014.7	6004.0	5989.7	5989.7	6000.4	6029.0	6043.3
15°	6089.8	6100.5	6068.3	6021.9	6011.1	6000.4	5996.8	6011.1	6043.3	6068.3
17.5°	6129.1	6139.8	6089.8	6025.4	6011.1	6014.7	6011.1	6021.9	6071.9	6118.3
20°	6164.8	6172.0	6104.1	6025.4	6011.1	6014.7	6011.1	6032.6	6096.9	6161.2
22.5°	6175.5	6182.7	6118.3	6050.4	6039.7	6043.3	6039.7	6061.2	6121.9	6186.3
25°	6179.1	6189.8	6139.8	6086.2	6104.1	6111.2	6104.1	6107.6	6154.1	6211.3
27.5°	6232.7	6247.0	6200.5	6154.1	6164.8	6161.2	6172.0	6182.7	6218.4	6275.6
30°	6343.5	6354.2	6314.9	6268.4	6261.3	6236.3	6268.4	6304.2	6343.5	6393.5
32.5°	6525.8	6547.2	6497.2	6447.1	6415.0	6400.7	6425.7	6486.5	6540.1	6593.7
35°	6829.5	6843.8	6797.4	6704.5	6647.3	6647.3	6668.7	6747.3	6833.1	6901.0
37.5°	7258.4	7276.3	7194.1	7083.3	6997.5	6997.5	7026.1	7108.3	7236.9	7333.4
40°	7780.2	7805.2	7701.5	7587.2	7505.0	7490.7	7526.4	7619.3	7740.9	7862.4
42.5°	8409.2	8437.7	8301.9	8201.9	8137.5	8137.5	8155.4	8241.2	8352.0	8502.1
45°	9213.3	9263.3	9077.5	8977.4	8916.6	8930.9	8941.7	9016.7	9116.8	9288.3
47.5°	10171.0	10221.1	10024.5	9920.9	9910.2	9978.1	9935.2	9988.8	10042.4	10238.9
50°	11257.5	11343.2	11207.4	11200.3	11221.7	11346.8	11246.8	11275.3	11214.6	11339.7
52.5°	12586.9	12712.0	12687.0	12729.9	12969.3	13226.6	12997.9	12897.9	12669.1	12708.4
55°	14198.7	14388.1	14423.9	14681.2	15224.4	15749.7	15263.7	14859.9	14373.8	14284.5
57.5°	16032.1	16182.2	16353.7	16879.1	17894.0	18826.8	17894.0	17000.6	16235.8	16053.5
60°	18004.8	18190.7	18355.0	19130.6	20638.7	21950.3	20610.1	19191.3	18179.9	17933.3
62.5°	20124.1	20363.5	20477.9	21339.2	23097.5	24662.8	23122.5	21403.5	20281.3	20016.9
65°	22157.6	22354.1	22482.8	23401.3	25080.9	26649.8	25195.3	23501.3	22347.0	22000.3
67.5°	23104.6	23211.8	23526.3	24566.3	26338.9	28129.4	26639.1	24677.1	23387.0	22779.4
70°	21718.0	21500.0	22257.6	23923.0	26489.0	29037.1	26832.1	23873.0	22293.4	21307.0
72.5°	16782.6	16407.3	17722.5	20570.8	24773.6	28458.2	24945.1	20731.6	18540.9	16539.6
75°	9131.1	8705.8	10521.3	14123.7	19756.0	24666.4	20209.9	14527.5	11714.9	9063.2
77.5°	2576.7	2415.9	3881.1	6833.1	11882.9	17318.6	12340.3	6983.2	4603.1	2730.4
80°	789.8	764.8	1036.4	2058.5	5046.2	8294.8	4849.6	2083.5	1318.7	832.7
82.5°	468.2	428.9	514.6	750.5	1286.6	2605.3	1250.8	782.7	629.0	421.7
85°	268.0	250.2	303.8	364.5	432.4	553.9	361.0	371.7	335.9	225.1
87.5°	110.8	100.1	117.9	114.4	100.1	128.7	96.5	114.4	135.8	89.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6272.0
6250.6
6172.0
6086.2
6046.9
6046.9
6071.9
6118.3
6164.8
6186.3
6207.7
6261.3
6382.8
6572.2
6876.0
7297.7
7823.1
8491.4
9281.2
10181.8
11264.6
12576.2
14145.1
15924.9
17718.9
19802.4
21828.8
22786.6
21542.9
17036.3
9652.8
3034.2
879.2
457.4
235.9
82.2
0.0

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