

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: P955688

Luminaire Tested: **GLAN-SB8C-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55181 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 399.8
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

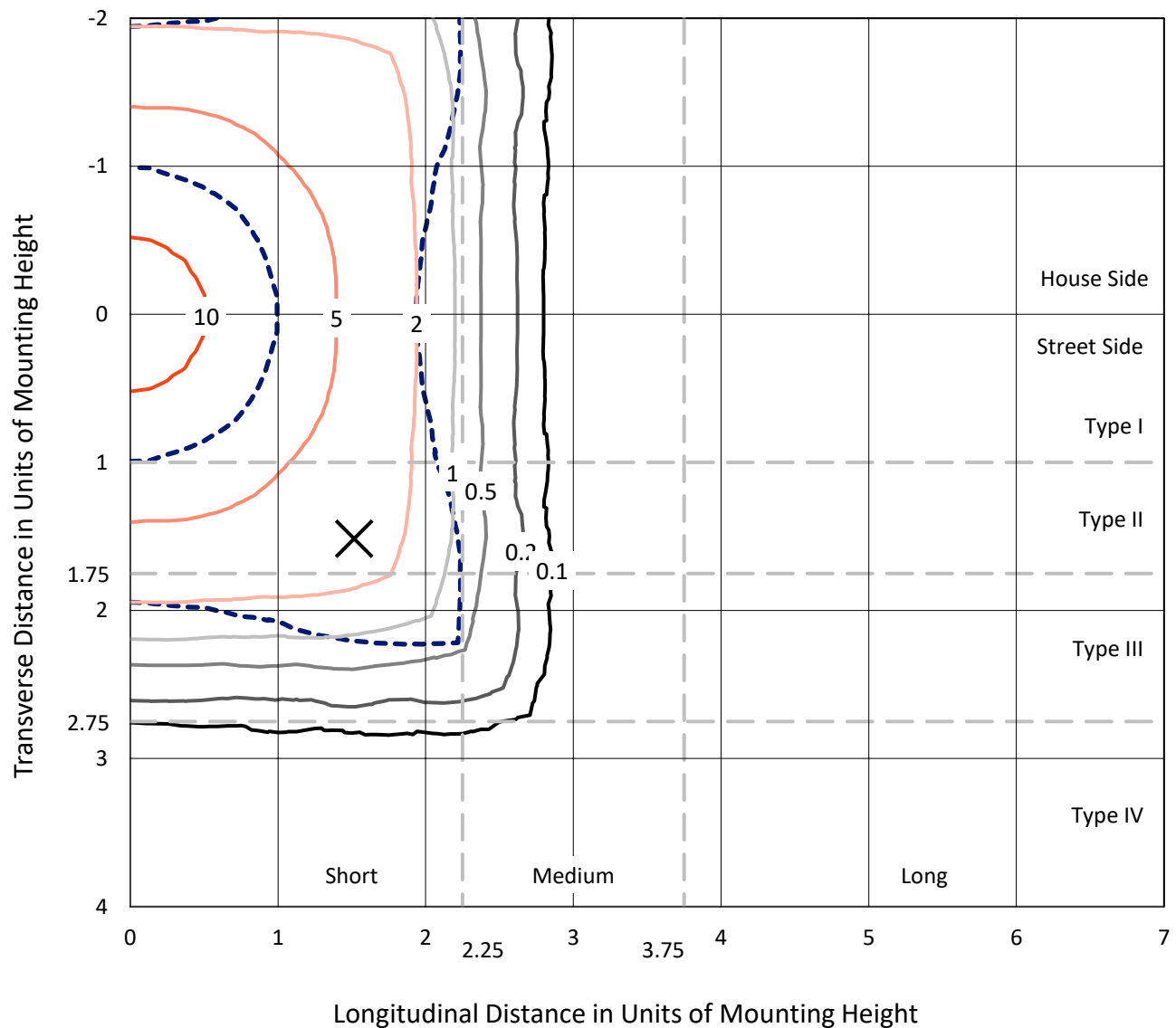


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

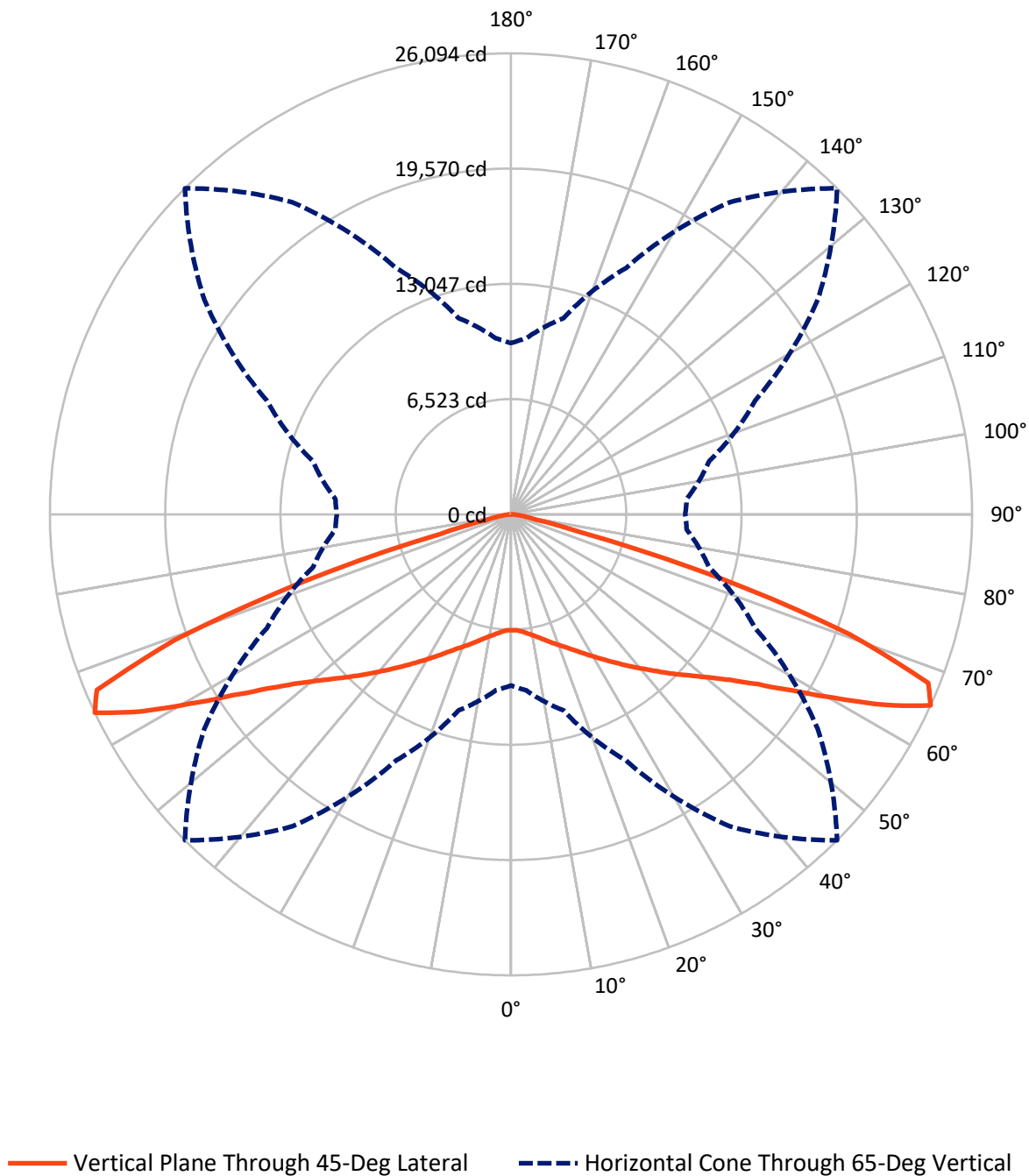


Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27590.5	0.0	27590.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27590.5	0.0	27590.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55181.0	0.0	55181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.1	1.2
10°-20°	2114.8	3.8
20°-30°	3993.0	7.2
30°-40°	6538.5	11.8
40°-50°	10137.9	18.4
50°-60°	14975.8	27.1
60°-70°	14255.6	25.8
70°-80°	2300.3	4.2
80°-90°	216.8	0.4
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°	55181.0	100.0
0°-180°	55181.0	100.0

Coefficient of Utilization



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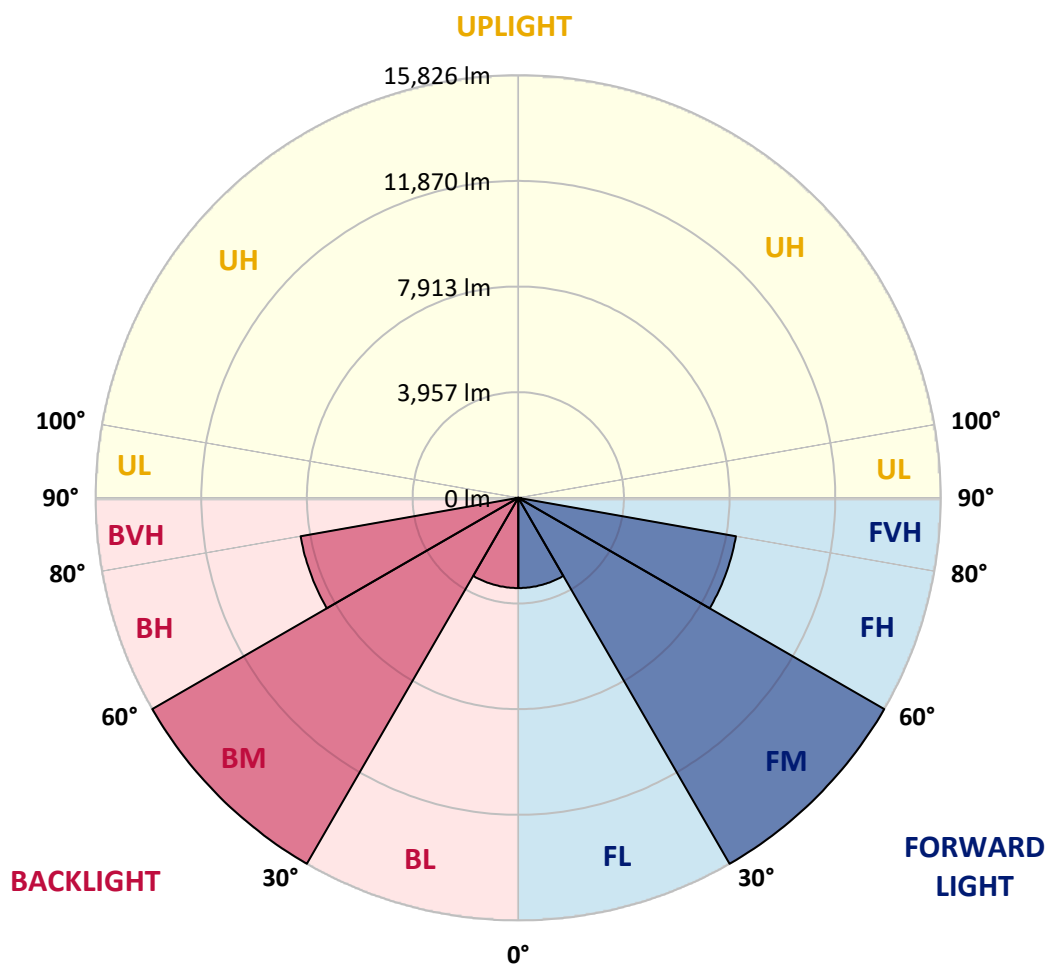
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3378.0	6.1			
FM	(30°-60°)	15826.1	28.7			
FH	(60°-80°)	8278.0	15.0			G4/12000
FVH	(80°-90°)	108.4	0.2			G2/225
BL	(0°-30°)	3378.0	6.1	B4/5000		
BM	(30°-60°)	15826.1	28.7	B5		
BH	(60°-80°)	8278.0	15.0	B5		G4/12000
BVH	(80°-90°)	108.4	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6567.1	6567.1	6567.1	6567.1	6567.1	6567.1	6567.1	6567.1	6567.1	6567.1
2.5°	6611.4	6589.2	6605.9	6592.0	6580.9	6569.9	6575.4	6594.8	6603.1	6605.9
5°	6700.0	6680.6	6688.9	6688.9	6669.5	6664.0	6666.8	6680.6	6697.2	6697.2
7.5°	6843.9	6824.6	6843.9	6832.9	6816.3	6810.7	6808.0	6819.0	6843.9	6843.9
10°	7018.4	6996.2	7007.3	7001.8	6982.4	6974.1	6971.3	6987.9	7010.1	7007.3
12.5°	7209.4	7184.5	7198.3	7181.7	7176.2	7167.9	7167.9	7165.1	7178.9	7167.9
15°	7422.6	7406.0	7411.5	7400.4	7408.7	7403.2	7381.1	7370.0	7375.5	7358.9
17.5°	7674.5	7635.8	7655.1	7649.6	7649.6	7660.7	7624.7	7610.8	7621.9	7605.3
20°	7965.2	7926.5	7934.8	7923.7	7909.9	7920.9	7876.6	7887.7	7896.0	7884.9
22.5°	8283.6	8233.8	8231.0	8236.5	8206.1	8208.9	8178.4	8206.1	8222.7	8192.3
25°	8610.3	8557.7	8593.7	8579.9	8541.1	8549.4	8527.3	8554.9	8568.8	8530.0
27.5°	8956.4	8920.4	8953.6	8961.9	8914.9	8948.1	8914.9	8939.8	8953.6	8895.5
30°	9360.6	9324.6	9355.1	9377.2	9321.8	9374.4	9346.8	9363.4	9366.1	9296.9
32.5°	9800.8	9745.4	9823.0	9834.0	9773.1	9836.8	9800.8	9823.0	9836.8	9742.7
35°	10337.9	10268.7	10357.3	10343.4	10290.8	10343.4	10310.2	10343.4	10376.7	10263.2
37.5°	10916.5	10844.6	10938.7	10913.8	10863.9	10899.9	10880.6	10902.7	10955.3	10833.5
40°	11553.3	11464.7	11592.1	11547.8	11500.7	11495.2	11506.3	11520.1	11589.3	11453.6
42.5°	12234.4	12140.3	12331.3	12262.1	12195.6	12151.3	12187.3	12215.0	12281.5	12129.2
45°	13012.4	12904.4	13153.6	13070.5	12965.3	12873.9	12932.1	12973.6	13070.5	12887.8
47.5°	13870.6	13748.8	14014.6	13989.7	13818.0	13618.7	13751.6	13870.6	13942.6	13721.1
50°	14709.5	14615.4	14964.2	14994.7	14784.3	14504.6	14690.1	14870.1	14889.5	14598.8
52.5°	15495.8	15401.7	15908.3	16099.3	15911.1	15578.8	15775.4	15958.1	15811.4	15434.9
55°	16124.3	16046.7	16691.8	17184.6	17248.3	16974.2	17090.5	17085.0	16603.2	16024.6
57.5°	16276.5	16265.5	17079.4	18123.2	18787.6	18820.9	18591.1	18004.1	16965.9	16187.9
60°	15584.4	15653.6	16772.1	18613.2	20385.1	21121.6	20127.6	18452.6	16553.4	15473.6
62.5°	13513.5	13696.2	15044.5	18015.2	21675.3	23768.3	21359.7	17771.6	14859.0	13449.8
65°	9684.5	10002.9	11492.4	15374.0	21559.0	26093.9	21182.5	15249.4	11603.2	9978.0
67.5°	4393.7	4717.7	5982.9	10526.2	18740.6	25462.7	18696.3	10636.9	6281.9	4734.3
70°	1591.9	1647.3	2054.3	4213.8	11976.9	20288.2	12489.1	4244.2	2184.4	1755.3
72.5°	963.5	971.8	1057.6	1508.9	4161.2	12317.4	4338.4	1558.7	1079.7	957.9
75°	611.9	606.3	753.1	921.9	1475.7	4155.7	1547.6	921.9	750.3	683.8
77.5°	440.2	454.0	539.9	689.4	930.2	1409.2	913.6	658.9	539.9	443.0
80°	329.5	337.8	393.1	537.1	653.4	877.6	581.4	487.3	407.0	276.9
82.5°	238.1	238.1	257.5	390.4	398.7	473.4	315.6	343.3	268.6	196.6
85°	141.2	138.4	160.6	232.6	207.6	174.4	144.0	210.4	168.9	121.8
87.5°	49.8	52.6	49.8	66.4	55.4	47.1	44.3	58.1	47.1	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6567.1
6605.9
6697.2
6835.6
7001.8
7173.4
7361.7
7619.2
7909.9
8222.7
8574.3
8939.8
9338.4
9806.3
10332.4
10908.2
11497.9
12209.5
12981.9
13795.9
14634.8
15446.0
16044.0
16138.1
15346.3
13366.7
9858.9
4665.1
1733.1
974.5
689.4
451.3
285.2
196.6
119.0
38.8
0.0

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