

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: P954263

Luminaire Tested: **GLAN-SB7C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7C-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47691 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 350.5
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

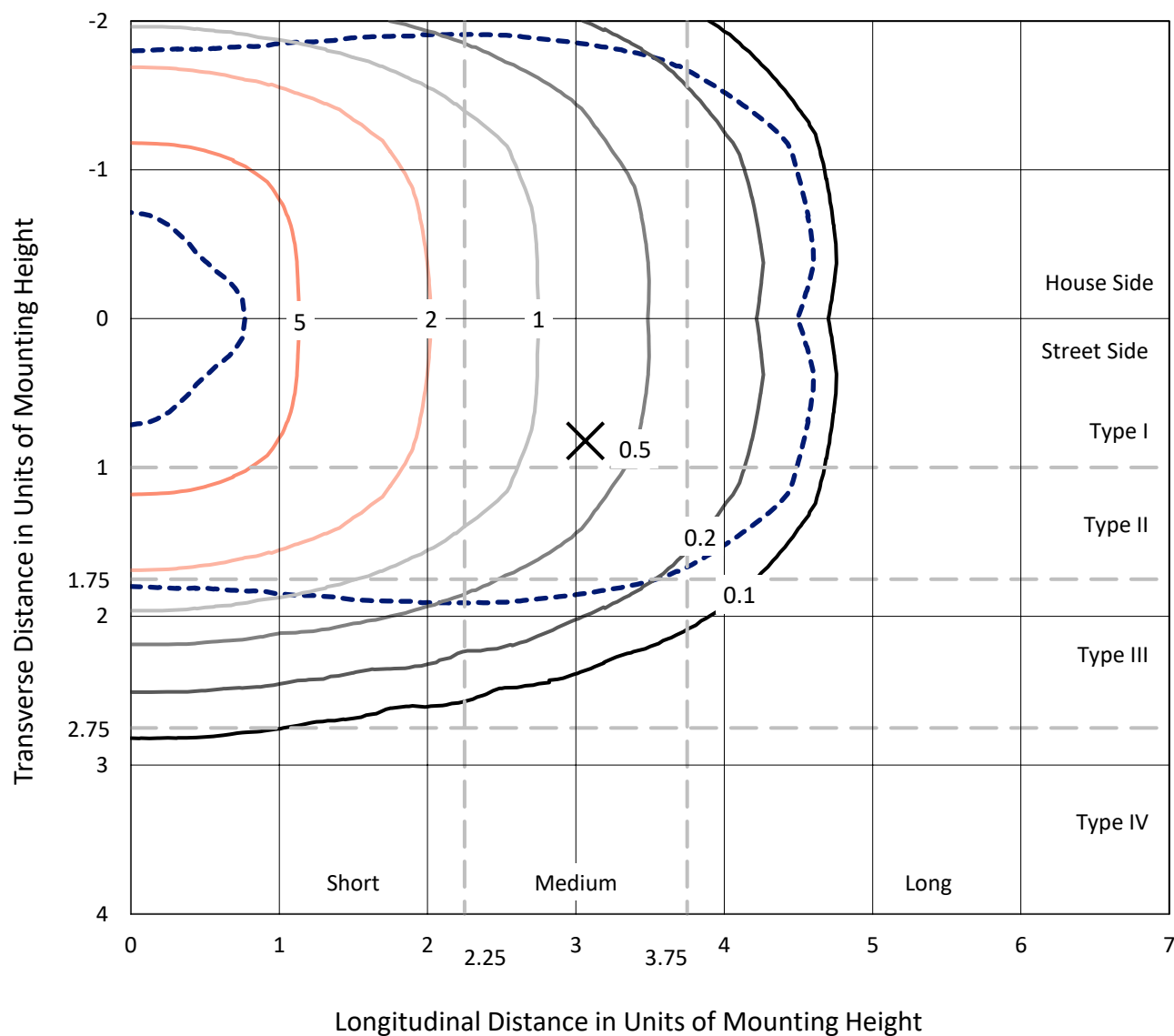


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Iso-Footcandle Lines of Horizontal Illumination

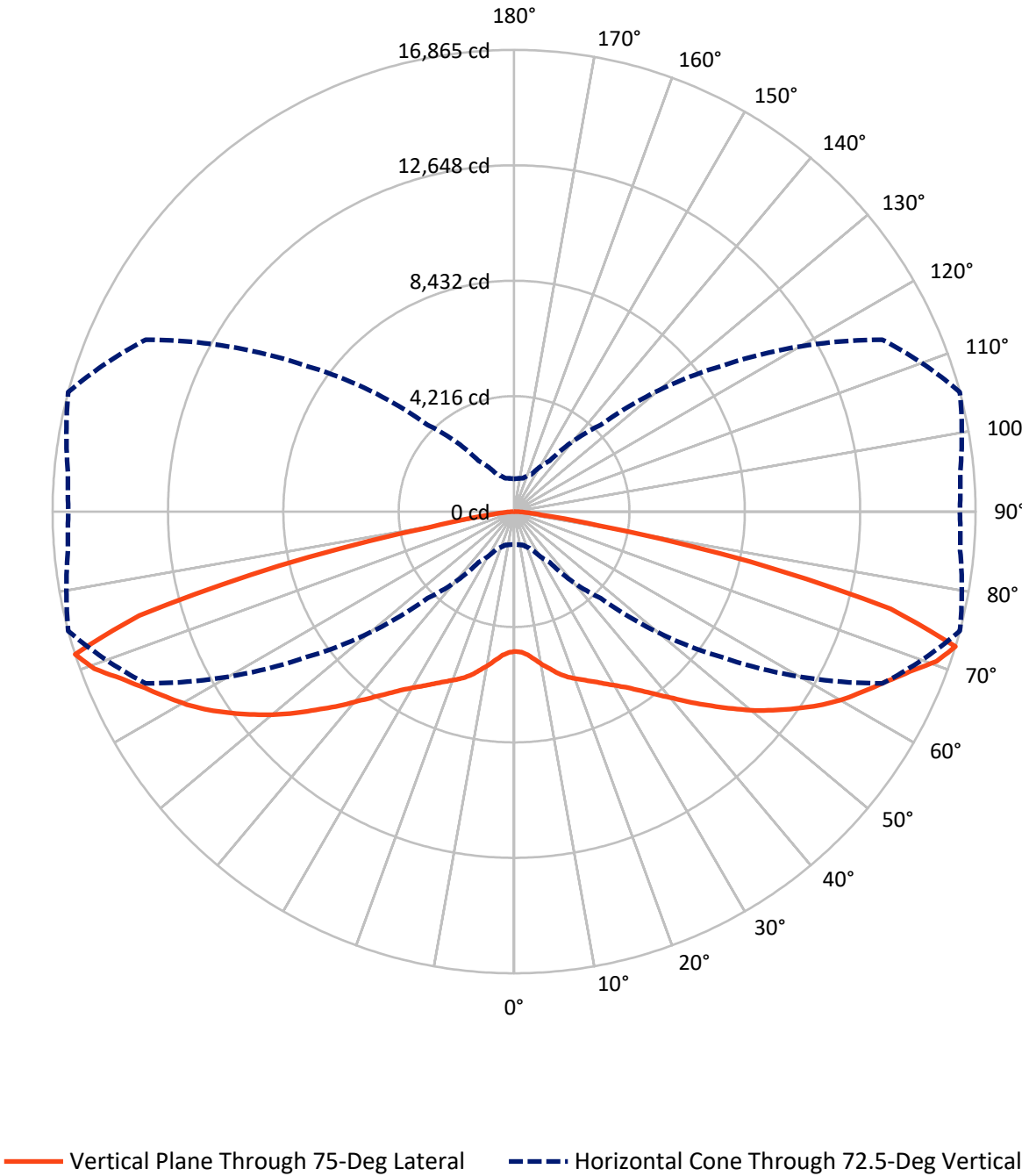
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23845.5	0.0	23845.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23845.5	0.0	23845.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47691.0	0.0	47691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.4	1.0
10°-20°	1650.5	3.5
20°-30°	3189.3	6.7
30°-40°	5385.3	11.3
40°-50°	8540.4	17.9
50°-60°	11434.6	24.0
60°-70°	10882.1	22.8
70°-80°	5678.5	11.9
80°-90°	429.8	0.9
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°	47691.0	100.0
0°-180°	47691.0	100.0

Coefficient of Utilization



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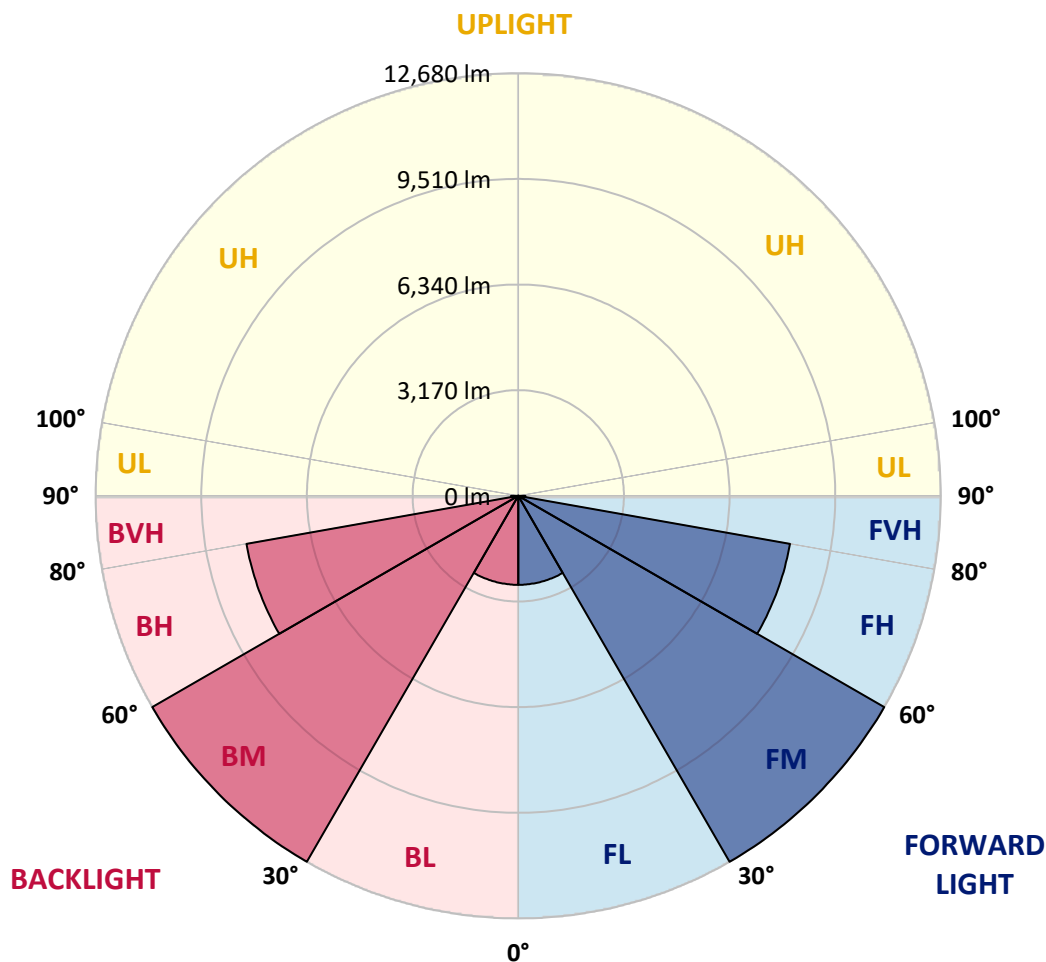
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2670.1	5.6			
FM	(30°-60°)	12680.2	26.6			
FH	(60°-80°)	8280.3	17.4			G4/12000
FVH	(80°-90°)	214.9	0.5			G2/225
BL	(0°-30°)	2670.1	5.6	B4/5000		
BM	(30°-60°)	12680.2	26.6	B5		
BH	(60°-80°)	8280.3	17.4	B5		G5
BVH	(80°-90°)	214.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5108.6	5108.6	5108.6	5108.6	5108.6	5108.6	5108.6	5108.6	5108.6	5108.6
2.5°	5108.6	5103.7	5108.6	5113.4	5111.0	5111.0	5123.2	5130.5	5145.1	5142.6
5°	5074.5	5072.0	5091.5	5113.4	5130.5	5159.7	5196.2	5223.0	5257.1	5264.4
7.5°	5057.4	5050.1	5084.2	5123.2	5176.7	5249.8	5320.4	5393.5	5451.9	5471.4
10°	5069.6	5072.0	5118.3	5191.3	5276.6	5378.8	5478.7	5602.9	5685.6	5705.1
12.5°	5125.6	5120.7	5198.7	5315.5	5432.4	5561.5	5678.3	5814.7	5904.8	5951.1
15°	5227.9	5218.1	5327.7	5500.6	5671.0	5822.0	5917.0	6046.0	6150.7	6209.2
17.5°	5349.6	5354.5	5498.2	5722.2	5946.2	6116.6	6206.7	6272.5	6352.8	6404.0
20°	5563.9	5573.6	5734.3	5999.8	6255.4	6450.2	6523.3	6498.9	6520.8	6559.8
22.5°	5851.2	5856.1	6036.3	6323.6	6591.5	6805.7	6854.4	6754.6	6693.7	6720.5
25°	6184.8	6216.5	6396.7	6691.3	6966.4	7171.0	7192.9	7041.9	6891.0	6898.3
27.5°	6591.5	6620.7	6803.3	7095.5	7375.5	7553.3	7550.8	7348.7	7127.1	7071.1
30°	7032.2	7063.8	7251.3	7553.3	7813.8	7969.6	7935.6	7694.5	7377.9	7273.2
32.5°	7555.7	7575.2	7765.1	8067.0	8308.1	8432.3	8361.7	8064.6	7670.1	7550.8
35°	8188.8	8218.0	8359.2	8644.1	8856.0	8958.2	8838.9	8488.3	8045.1	7911.2
37.5°	8912.0	8892.5	9053.2	9306.4	9481.8	9545.1	9381.9	8965.5	8473.7	8315.4
40°	9666.8	9657.1	9832.4	10075.9	10170.9	10209.8	9968.8	9513.4	8968.0	8797.5
42.5°	10351.0	10343.7	10579.9	10850.2	10964.7	10920.8	10616.5	10095.4	9540.2	9345.4
45°	10898.9	10889.2	11178.9	11558.8	11782.8	11709.8	11300.7	10738.2	10119.7	9917.6
47.5°	11320.2	11325.0	11636.7	12106.7	12498.7	12525.5	11999.5	11393.2	10757.7	10528.8
50°	11624.5	11639.1	11972.7	12493.8	13029.5	13265.7	12713.0	12065.3	11417.6	11159.5
52.5°	11700.0	11726.8	12128.6	12739.7	13370.4	13820.9	13438.6	12710.5	12043.3	11797.4
55°	11298.2	11351.8	11860.7	12720.3	13579.8	14186.1	14076.5	13365.5	12674.0	12420.8
57.5°	10375.4	10450.9	11045.0	12167.5	13533.5	14436.9	14570.8	13993.8	13304.7	13061.2
60°	9082.4	9172.5	9742.3	10967.1	12881.0	14529.4	14919.0	14604.9	13884.2	13648.0
62.5°	7132.0	7248.9	7930.7	9367.3	11502.8	14098.5	15216.1	15157.7	14405.3	14110.6
65°	4575.3	4699.5	5417.8	7115.0	9664.4	12778.7	15308.6	15695.8	14955.6	14544.1
67.5°	2758.8	2814.8	3170.3	4312.3	7063.8	10789.3	14524.6	16292.4	15598.4	15087.1
70°	1765.4	1797.0	2008.8	2532.4	3993.3	7872.2	12581.5	16404.4	16377.6	15644.7
72.5°	1198.0	1207.7	1263.7	1499.9	2259.6	4473.0	9279.7	14850.9	16864.6	16363.0
75°	876.6	930.2	1020.3	1061.6	1283.2	2235.3	5318.0	10433.8	14212.9	14432.0
77.5°	652.6	655.0	779.2	827.9	915.5	1190.7	2249.9	5824.4	8824.3	9265.0
80°	552.7	523.5	521.1	667.2	689.1	742.7	1005.6	2011.3	3160.6	1916.3
82.5°	460.2	428.6	387.2	521.1	469.9	455.3	435.9	818.1	1005.6	494.3
85°	321.4	306.8	292.2	340.9	267.8	228.9	209.4	382.3	423.7	209.4
87.5°	138.8	143.7	146.1	151.0	112.0	80.4	80.4	107.1	107.1	82.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5108.6
5140.2
5264.4
5476.2
5724.6
5970.5
6231.1
6428.3
6589.0
6740.0
6910.4
7088.2
7285.4
7580.1
7930.7
8344.6
8853.5
9394.1
9963.9
10597.0
11237.4
11860.7
12491.4
13117.2
13699.1
14144.7
14595.2
15126.0
15639.8
16285.1
13901.2
8264.3
1448.8
421.2
185.1
60.9
0.0