

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: P951407

Luminaire Tested: **GLAN-SB5C-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951407
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-SB5C-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 33875 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 249.5
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

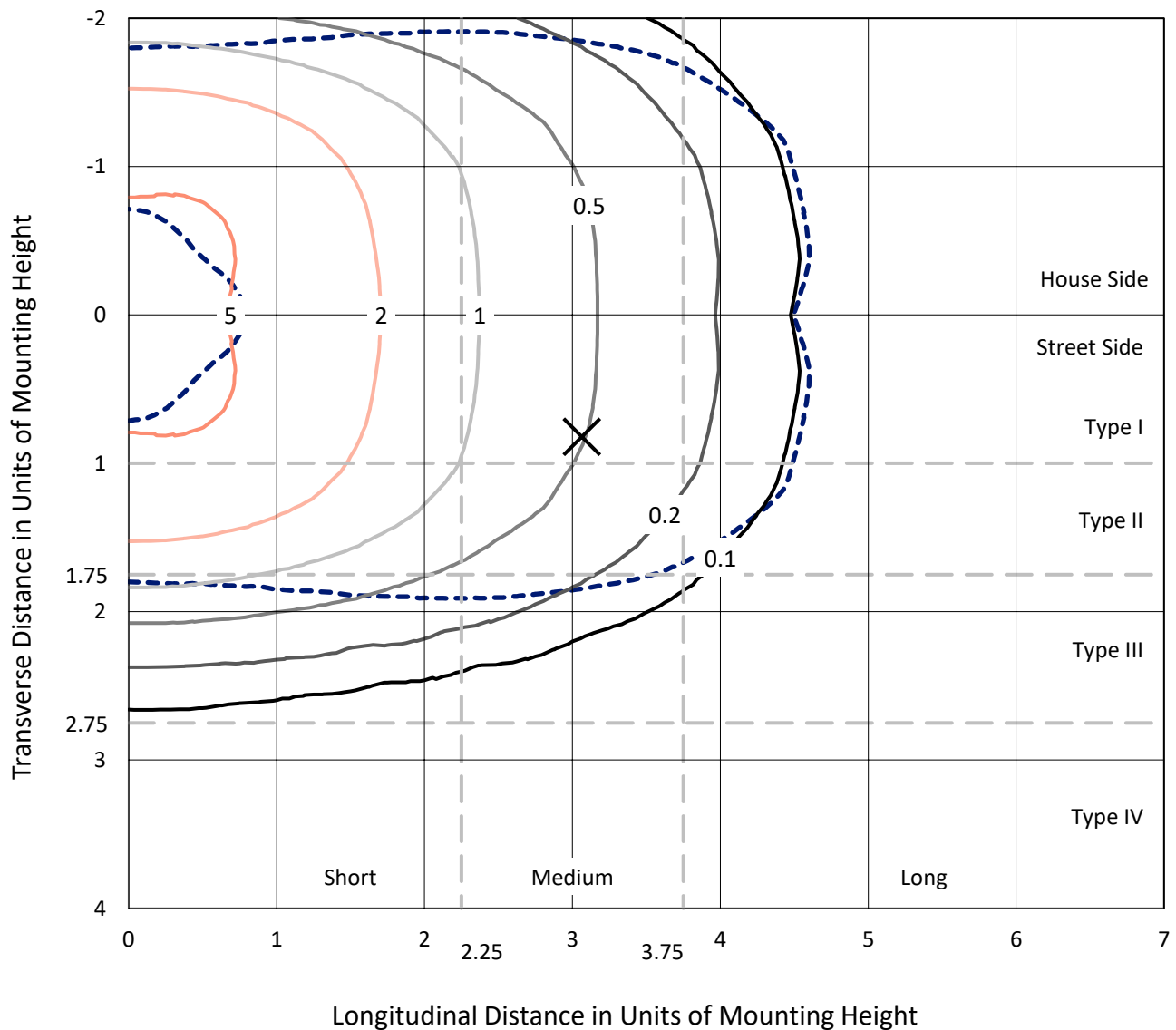


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Iso-Footcandle Lines of Horizontal Illumination

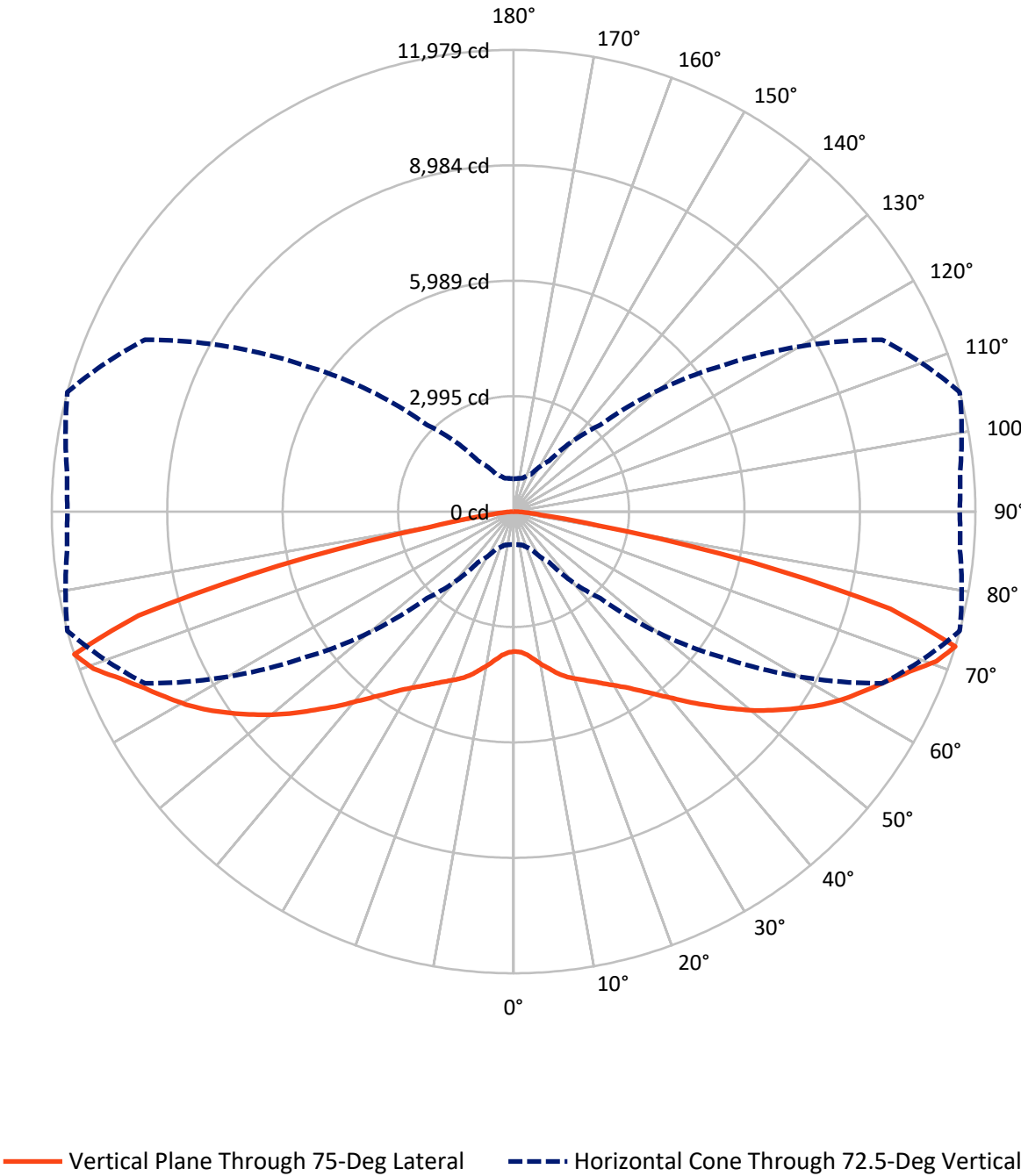
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16937.5	0.0	16937.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16937.5	0.0	16937.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33875.0	0.0	33875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.5	1.0
10°-20°	1172.4	3.5
20°-30°	2265.3	6.7
30°-40°	3825.2	11.3
40°-50°	6066.3	17.9
50°-60°	8122.1	24.0
60°-70°	7729.6	22.8
70°-80°	4033.4	11.9
80°-90°	305.3	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°	33875.0	100.0
0°-180°	33875.0	100.0

Coefficient of Utilization



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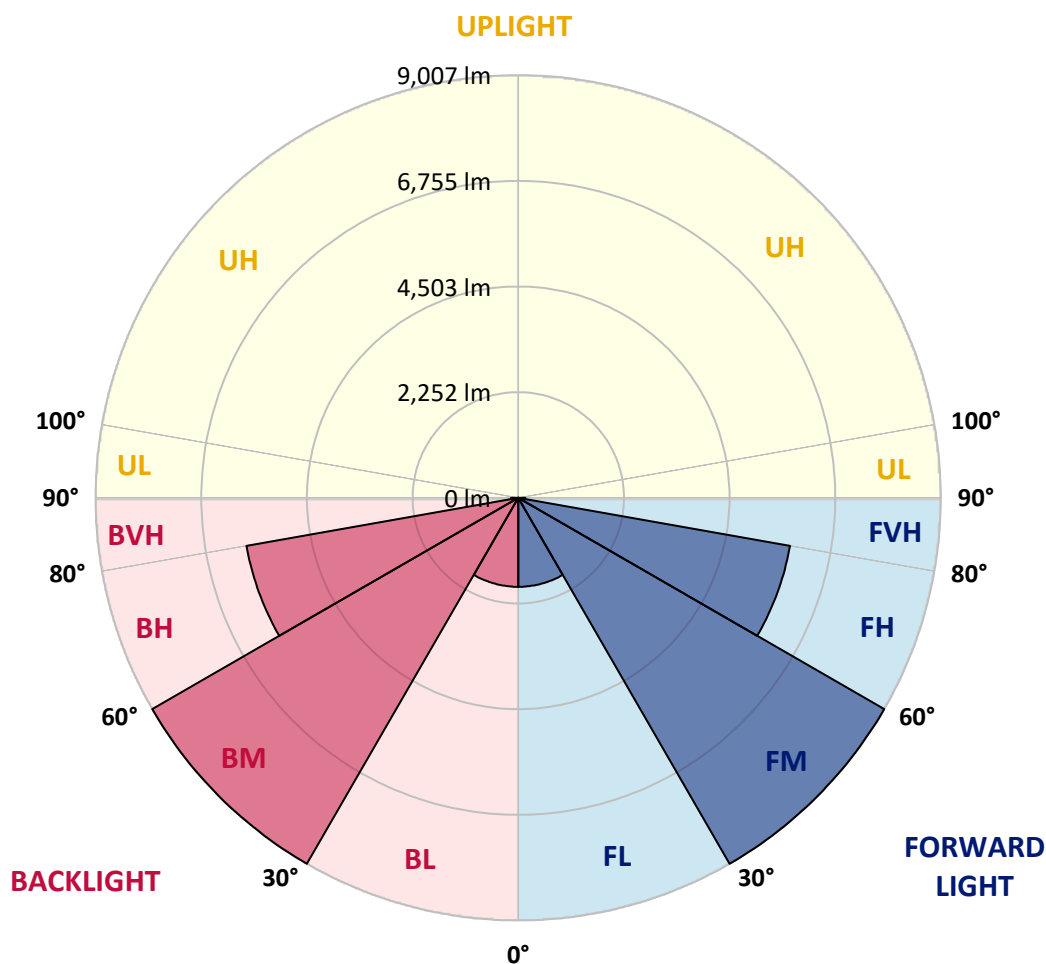
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1896.6	5.6			
FM	(30°-60°)	9006.8	26.6			
FH	(60°-80°)	5881.5	17.4			G3/7500
FVH	(80°-90°)	152.7	0.5			G2/225
BL	(0°-30°)	1896.6	5.6	B3/2500		
BM	(30°-60°)	9006.8	26.6	B5		
BH	(60°-80°)	5881.5	17.4	B5		G5
BVH	(80°-90°)	152.7	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°	3628.6	3628.6	3628.6	3628.6	3628.6	3628.6	3628.6	3628.6	3628.6	3628.6
2.5°	3628.6	3625.2	3628.6	3632.1	3630.3	3630.3	3639.0	3644.2	3654.6	3652.8
5°	3604.4	3602.7	3616.5	3632.1	3644.2	3664.9	3690.9	3709.9	3734.1	3739.3
7.5°	3592.3	3587.1	3611.3	3639.0	3677.0	3728.9	3779.1	3831.0	3872.5	3886.3
10°	3600.9	3602.7	3635.5	3687.4	3748.0	3820.6	3891.5	3979.7	4038.5	4052.4
12.5°	3640.7	3637.3	3692.6	3775.6	3858.7	3950.3	4033.3	4130.2	4194.2	4227.0
15°	3713.4	3706.4	3784.3	3907.1	4028.1	4135.4	4202.8	4294.5	4368.9	4410.4
17.5°	3799.8	3803.3	3905.3	4064.5	4223.6	4344.7	4408.7	4455.3	4512.4	4548.7
20°	3952.0	3959.0	4073.1	4261.6	4443.2	4581.6	4633.5	4616.2	4631.8	4659.4
22.5°	4156.1	4159.6	4287.6	4491.7	4681.9	4834.1	4868.7	4797.8	4754.6	4773.6
25°	4393.1	4415.6	4543.6	4752.8	4948.3	5093.6	5109.1	5001.9	4894.7	4899.8
27.5°	4681.9	4702.7	4832.4	5039.9	5238.8	5365.1	5363.4	5219.8	5062.4	5022.6
30°	4995.0	5017.5	5150.6	5365.1	5550.2	5660.9	5636.6	5465.4	5240.6	5166.2
32.5°	5366.8	5380.7	5515.6	5730.0	5901.3	5989.5	5939.3	5728.3	5448.1	5363.4
35°	5816.5	5837.3	5937.6	6139.9	6290.4	6363.1	6278.3	6029.2	5714.5	5619.3
37.5°	6330.2	6316.4	6430.5	6610.4	6734.9	6779.9	6664.0	6368.2	6018.9	5906.5
40°	6866.4	6859.4	6984.0	7156.9	7224.4	7252.0	7080.8	6757.4	6370.0	6248.9
42.5°	7352.4	7347.2	7514.9	7706.9	7788.2	7757.1	7540.9	7170.8	6776.4	6638.1
45°	7741.5	7734.6	7940.4	8210.2	8369.3	8317.5	8026.9	7627.4	7188.1	7044.5
47.5°	8040.7	8044.2	8265.6	8599.4	8877.8	8896.9	8523.3	8092.6	7641.2	7478.6
50°	8256.9	8267.3	8504.3	8874.4	9254.9	9422.6	9030.0	8570.0	8109.9	7926.6
52.5°	8310.5	8329.6	8614.9	9049.1	9497.0	9817.0	9545.4	9028.3	8554.4	8379.7
55°	8025.2	8063.2	8424.7	9035.2	9645.8	10076.4	9998.6	9493.6	9002.4	8822.5
57.5°	7369.7	7423.3	7845.3	8642.6	9612.9	10254.6	10349.7	9939.8	9450.3	9277.4
60°	6451.3	6515.3	6920.0	7789.9	9149.4	10320.3	10597.0	10373.9	9862.0	9694.2
62.5°	5065.9	5148.9	5633.2	6653.6	8170.4	10014.2	10808.0	10766.5	10232.1	10022.8
65°	3249.8	3338.1	3848.3	5053.8	6864.6	9076.7	10873.7	11148.8	10623.0	10330.7
67.5°	1959.6	1999.4	2251.9	3063.1	5017.5	7663.7	10316.8	11572.5	11079.6	10716.4
70°	1253.9	1276.4	1426.9	1798.7	2836.5	5591.7	8936.6	11652.1	11633.0	11112.4
72.5°	850.9	857.9	897.6	1065.4	1605.0	3177.2	6591.4	10548.6	11978.9	11622.6
75°	622.6	660.7	724.7	754.1	911.5	1587.7	3777.4	7411.2	10095.4	10251.1
77.5°	463.5	465.3	553.5	588.1	650.3	845.8	1598.1	4137.1	6267.9	6581.0
80°	392.6	371.9	370.1	473.9	489.5	527.5	714.3	1428.6	2245.0	1361.2
82.5°	326.9	304.4	275.0	370.1	333.8	323.4	309.6	581.1	714.3	351.1
85°	228.3	217.9	207.5	242.1	190.3	162.6	148.7	271.5	300.9	148.7
87.5°	98.6	102.0	103.8	107.2	79.6	57.1	57.1	76.1	76.1	58.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3628.6
3651.1
3739.3
3889.8
4066.2
4240.9
4425.9
4566.0
4680.2
4787.4
4908.5
5034.8
5174.8
5384.1
5633.2
5927.2
6288.7
6672.6
7077.4
7527.0
7981.9
8424.7
8872.6
9317.1
9730.5
10047.0
10367.0
10744.0
11109.0
11567.3
9874.1
5870.1
1029.1
299.2
131.4
43.2
0.0