

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: P850231

Luminaire Tested: **GLAN-SB7C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850231
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-SB7C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34693 lumens
Efficiency: N/A
Efficacy: 99.0 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

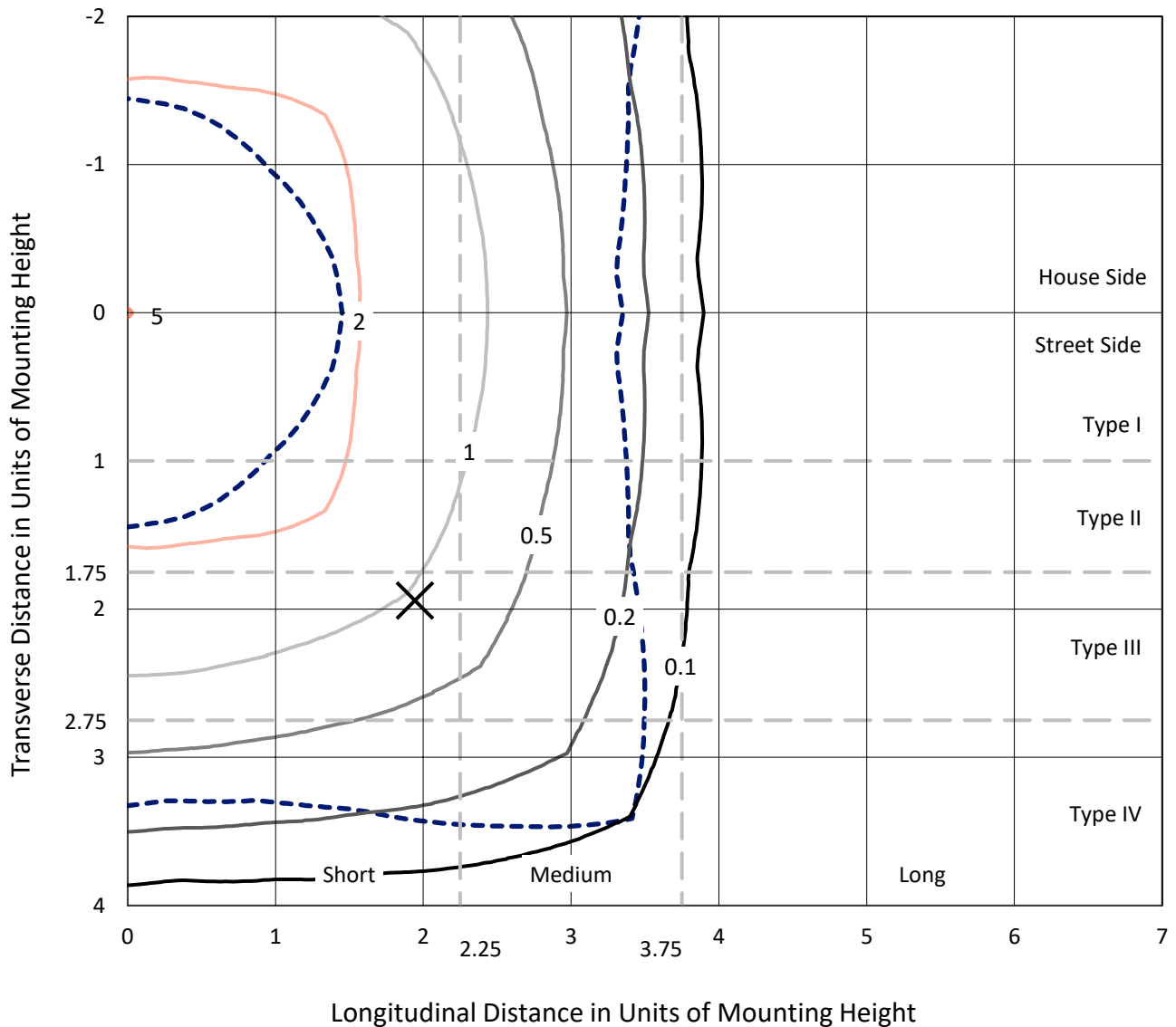
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

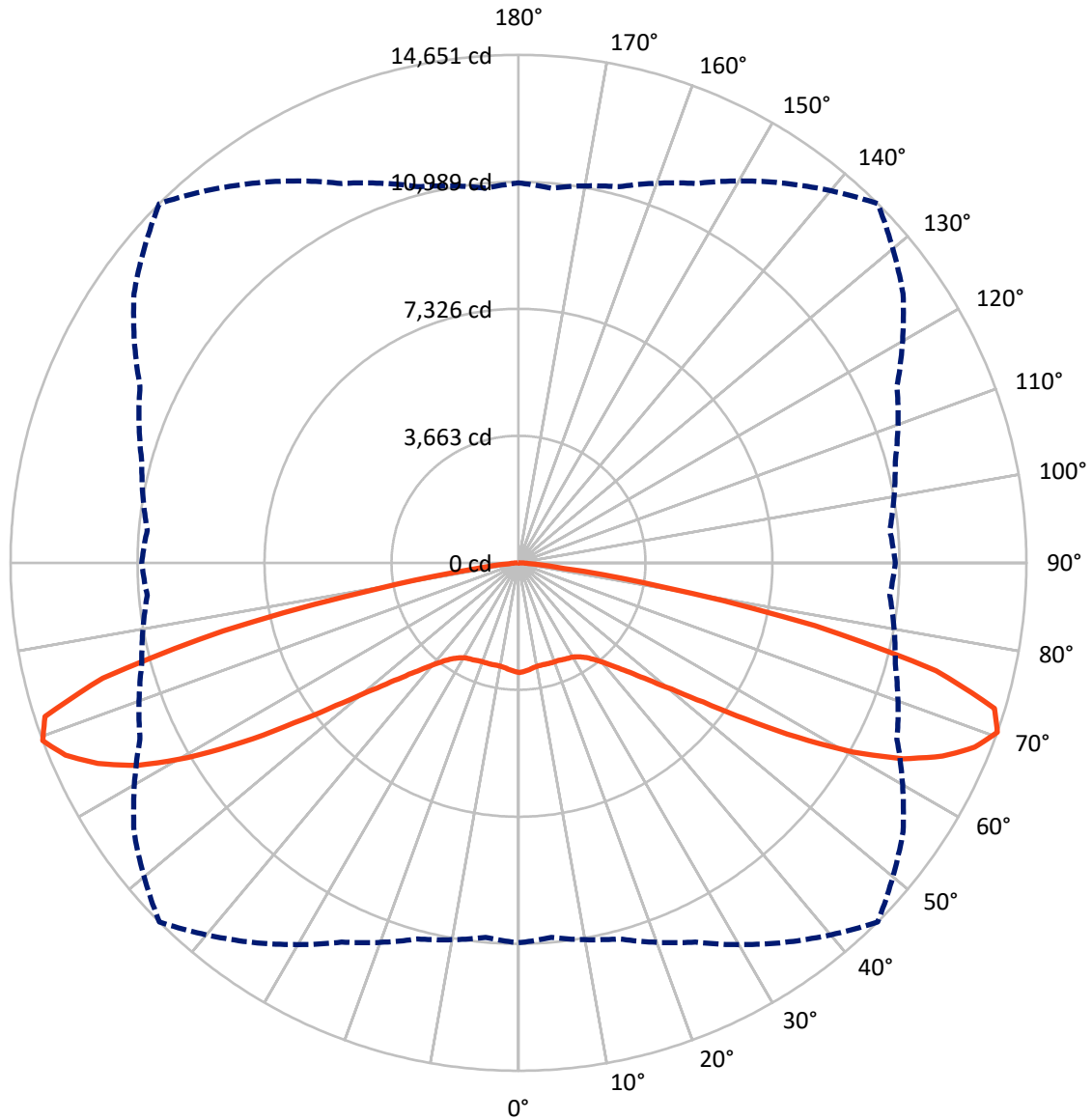
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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
House Side	Lumens	17346.5	0.0	17346.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17346.5	0.0	17346.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34693.0	0.0	34693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.4	0.8
10°-20°	864.4	2.5
20°-30°	1438.5	4.1
30°-40°	2175.4	6.3
40°-50°	3615.1	10.4
50°-60°	6821.5	19.7
60°-70°	11518.4	33.2
70°-80°	7568.8	21.8
80°-90°	396.5	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°	34693.0	100.0
0°-180°	34693.0	100.0

Coefficient of Utilization

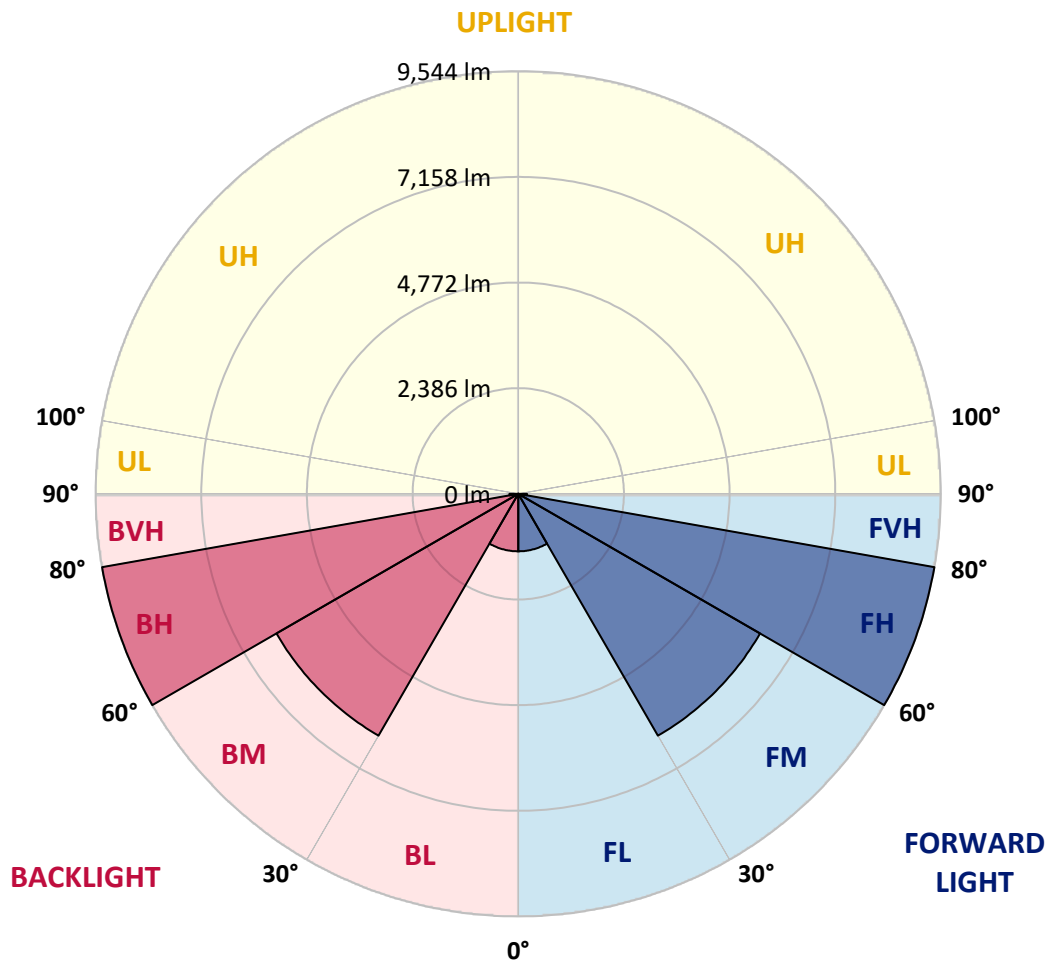


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1298.6	3.7			
FM (30°-60°)	6306.0	18.2			
FH (60°-80°)	9543.6	27.5			G4/12000
FVH (80°-90°)	198.3	0.6			G2/225
BL (0°-30°)	1298.6	3.7	B3/2500		
BM (30°-60°)	6306.0	18.2	B4/8500		
BH (60°-80°)	9543.6	27.5	B5		G4/12000
BVH (80°-90°)	198.3	0.6			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°	3164.7	3164.7	3164.7	3164.7	3164.7	3164.7	3164.7	3164.7	3164.7	3164.7
2.5°	3144.9	3153.9	3150.3	3143.1	3143.1	3137.7	3143.1	3146.7	3152.1	3155.7
5°	3103.4	3110.6	3108.8	3103.4	3105.2	3099.8	3103.4	3108.8	3112.4	3114.2
7.5°	3067.3	3074.5	3070.9	3061.9	3061.9	3056.5	3058.3	3063.7	3069.1	3070.9
10°	3058.3	3065.5	3054.7	3040.3	3034.9	3027.7	3029.5	3034.9	3045.7	3051.1
12.5°	3061.9	3067.3	3056.5	3034.9	3029.5	3022.2	3022.2	3027.7	3042.1	3049.3
15°	3072.7	3078.1	3061.9	3038.5	3033.1	3027.7	3025.9	3033.1	3049.3	3061.9
17.5°	3092.6	3098.0	3072.7	3040.3	3033.1	3034.9	3033.1	3038.5	3063.7	3087.2
20°	3110.6	3114.2	3079.9	3040.3	3033.1	3034.9	3033.1	3043.9	3076.3	3108.8
22.5°	3116.0	3119.6	3087.2	3052.9	3047.5	3049.3	3047.5	3058.3	3089.0	3121.4
25°	3117.8	3123.2	3098.0	3070.9	3079.9	3083.6	3079.9	3081.8	3105.2	3134.0
27.5°	3144.9	3152.1	3128.6	3105.2	3110.6	3108.8	3114.2	3119.6	3137.7	3166.5
30°	3200.8	3206.2	3186.3	3162.9	3159.3	3146.7	3162.9	3180.9	3200.8	3226.0
32.5°	3292.7	3303.6	3278.3	3253.1	3236.8	3229.6	3242.2	3272.9	3299.9	3327.0
35°	3446.0	3453.2	3429.8	3382.9	3354.0	3354.0	3364.9	3404.5	3447.8	3482.1
37.5°	3662.4	3671.4	3629.9	3574.0	3530.8	3530.8	3545.2	3586.7	3651.6	3700.3
40°	3925.7	3938.3	3886.0	3828.3	3786.8	3779.6	3797.6	3844.5	3905.8	3967.1
42.5°	4243.0	4257.5	4188.9	4138.5	4106.0	4106.0	4115.0	4158.3	4214.2	4289.9
45°	4648.8	4674.0	4580.2	4529.8	4499.1	4506.3	4511.7	4549.6	4600.1	4686.6
47.5°	5132.0	5157.3	5058.1	5005.8	5000.4	5034.7	5013.0	5040.1	5067.1	5166.3
50°	5680.2	5723.5	5655.0	5651.4	5662.2	5725.3	5674.8	5689.2	5658.6	5721.7
52.5°	6351.0	6414.2	6401.5	6423.2	6544.0	6673.8	6558.4	6507.9	6392.5	6412.3
55°	7164.3	7259.9	7277.9	7407.7	7681.8	7946.9	7701.7	7497.9	7252.7	7207.6
57.5°	8089.4	8165.1	8251.7	8516.7	9028.9	9499.5	9028.9	8578.1	8192.2	8100.2
60°	9084.8	9178.5	9261.5	9652.8	10413.8	11075.5	10399.3	9683.4	9173.1	9048.7
62.5°	10154.1	10274.9	10332.6	10767.2	11654.4	12444.2	11667.0	10799.7	10233.4	10100.0
65°	11180.1	11279.3	11344.2	11807.7	12655.2	13446.8	12712.9	11858.2	11275.7	11100.8
67.5°	11658.0	11712.1	11870.8	12395.5	13289.9	14193.4	13441.4	12451.4	11800.5	11493.9
70°	10958.3	10848.3	11230.6	12070.9	13365.7	14651.4	13538.8	12045.7	11248.7	10751.0
72.5°	8468.1	8278.7	8942.3	10379.5	12500.1	14359.3	12586.7	10460.6	9355.3	8345.4
75°	4607.3	4392.7	5308.8	7126.4	9968.4	12446.0	10197.4	7330.2	5911.0	4573.0
77.5°	1300.1	1219.0	1958.3	3447.8	5995.8	8738.5	6226.6	3523.5	2322.6	1377.7
80°	398.5	385.9	522.9	1038.7	2546.2	4185.3	2447.0	1051.3	665.4	420.2
82.5°	236.2	216.4	259.7	378.7	649.2	1314.6	631.1	394.9	317.4	212.8
85°	135.2	126.2	153.3	183.9	218.2	279.5	182.1	187.5	169.5	113.6
87.5°	55.9	50.5	59.5	57.7	50.5	64.9	48.7	57.7	68.5	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3164.7
3153.9
3114.2
3070.9
3051.1
3051.1
3063.7
3087.2
3110.6
3121.4
3132.2
3159.3
3220.6
3316.2
3469.4
3682.2
3947.3
4284.5
4683.0
5137.5
5683.8
6345.6
7137.3
8035.3
8940.5
9991.8
11014.2
11497.5
10870.0
8596.1
4870.6
1531.0
443.6
230.8
119.0
41.5
0.0

OF REPORT)