

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: P849801

Luminaire Tested: **GLAN-SB7A-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849801  
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-SB7A-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31665 lumens  
Efficiency: N/A  
Efficacy: 159.0 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

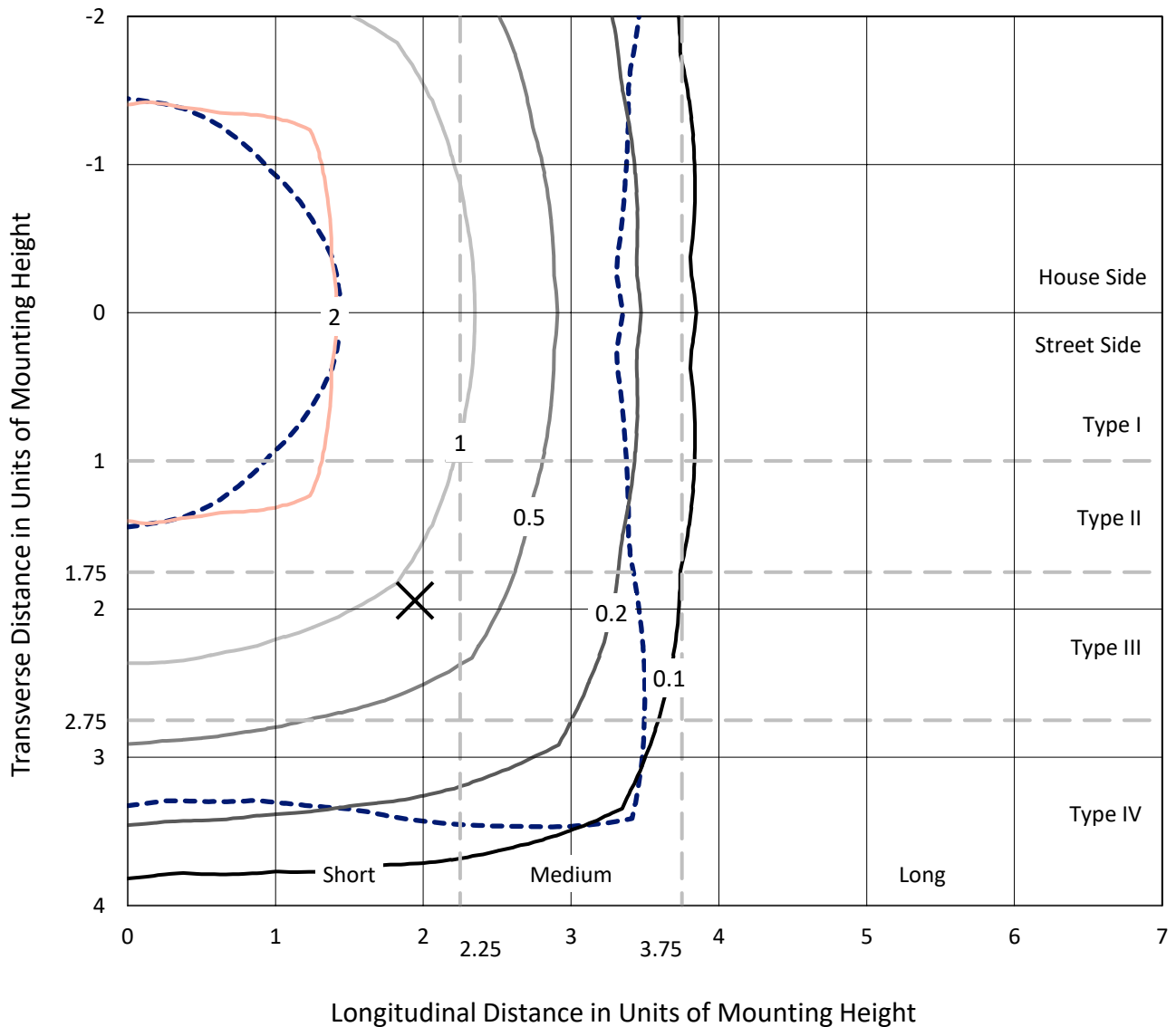
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

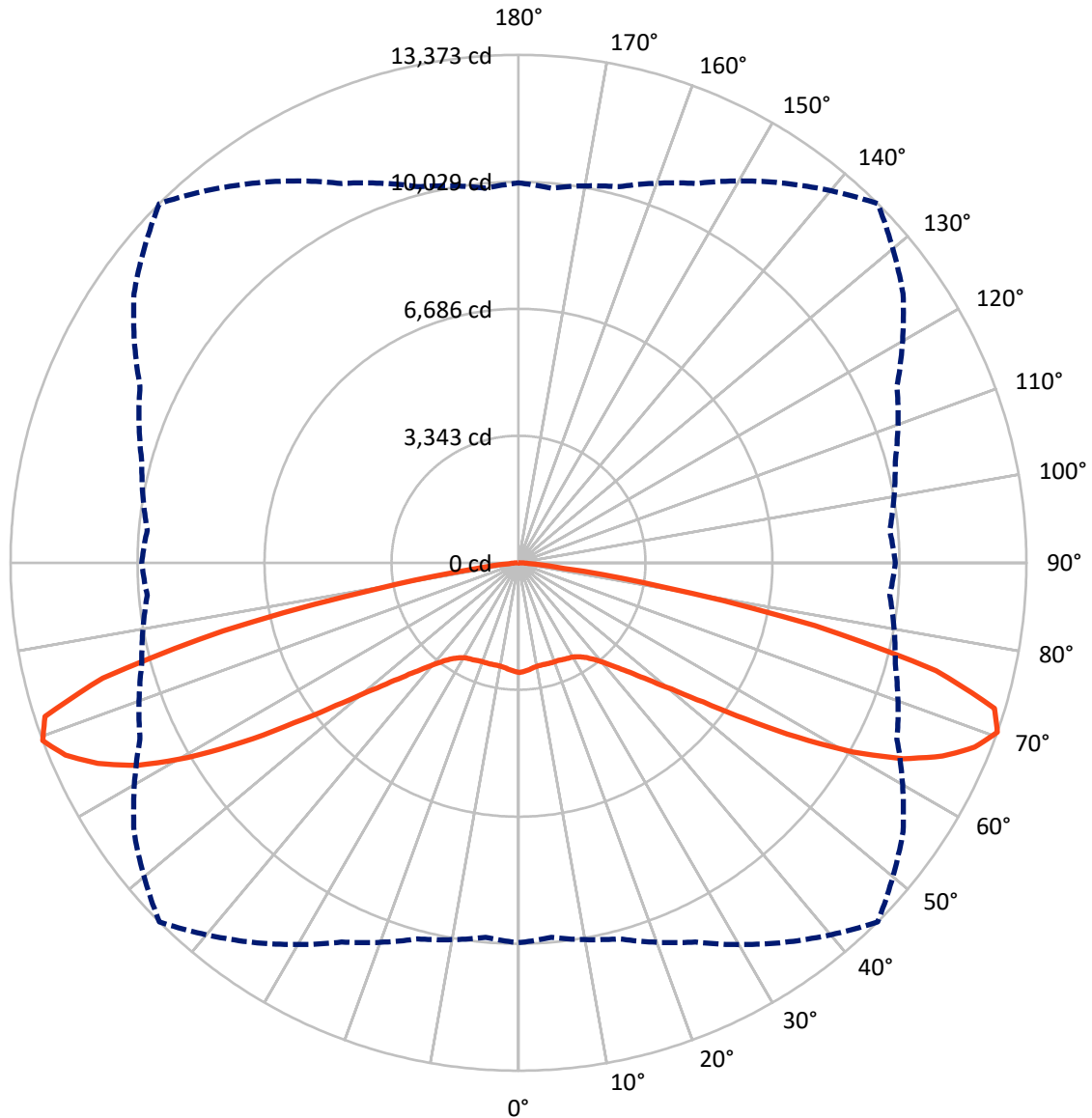
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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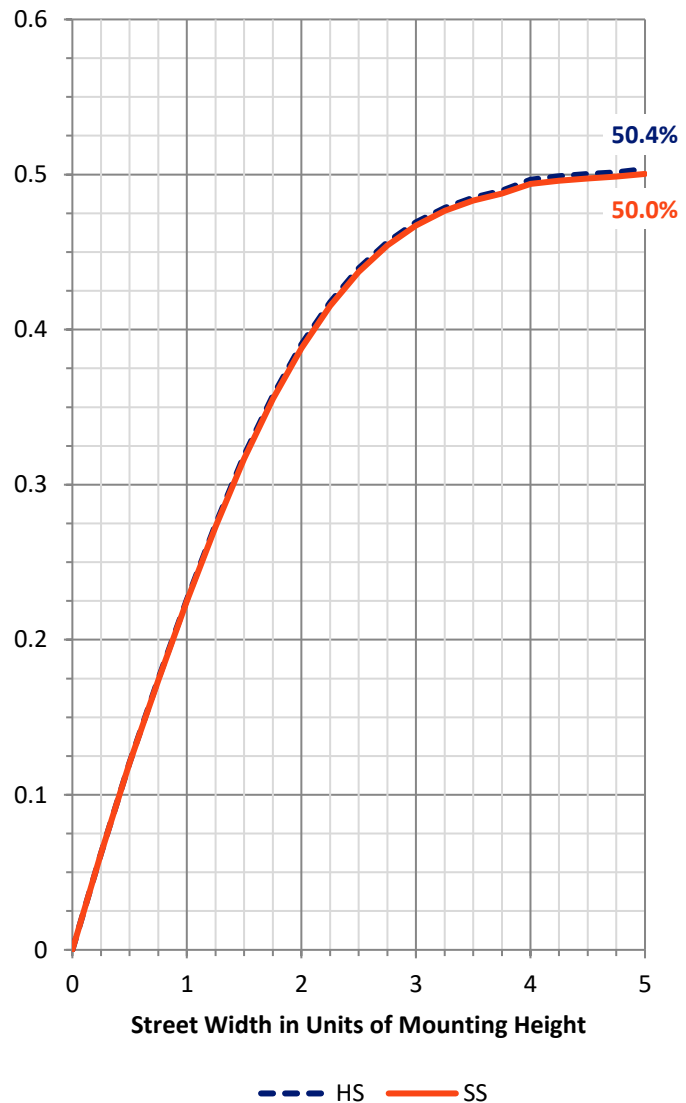
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15832.5	0.0	15832.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15832.5	0.0	15832.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31665.0	0.0	31665.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.7	0.8
10°-20°	789.0	2.5
20°-30°	1312.9	4.1
30°-40°	1985.6	6.3
40°-50°	3299.5	10.4
50°-60°	6226.1	19.7
60°-70°	10513.1	33.2
70°-80°	6908.2	21.8
80°-90°	361.9	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°	31665.0	100.0
0°-180°	31665.0	100.0

**Coefficient of Utilization**



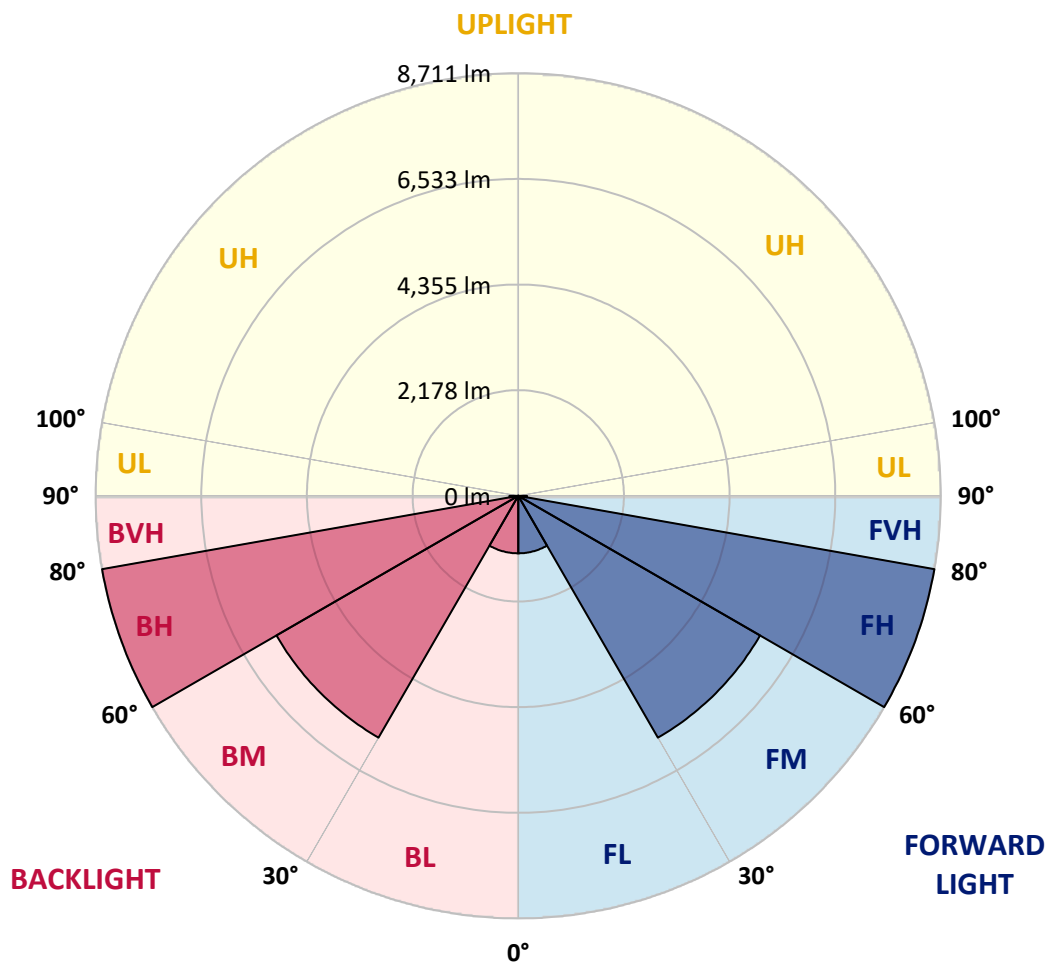
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1185.3	3.7			
FM (30°-60°)	5755.6	18.2			
FH (60°-80°)	8710.6	27.5			G4/12000
FVH (80°-90°)	181.0	0.6			G2/225
BL (0°-30°)	1185.3	3.7	B3/2500		
BM (30°-60°)	5755.6	18.2	B4/8500		
BH (60°-80°)	8710.6	27.5	B5		G4/12000
BVH (80°-90°)	181.0	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°	2888.5	2888.5	2888.5	2888.5	2888.5	2888.5	2888.5	2888.5	2888.5	2888.5
2.5°	2870.4	2878.6	2875.3	2868.7	2868.7	2863.8	2868.7	2872.0	2877.0	2880.3
5°	2832.5	2839.1	2837.5	2832.5	2834.2	2829.2	2832.5	2837.5	2840.8	2842.4
7.5°	2799.6	2806.2	2802.9	2794.7	2794.7	2789.7	2791.4	2796.3	2801.3	2802.9
10°	2791.4	2798.0	2788.1	2774.9	2770.0	2763.4	2765.0	2770.0	2779.9	2784.8
12.5°	2794.7	2799.6	2789.7	2770.0	2765.0	2758.5	2758.5	2763.4	2776.6	2783.2
15°	2804.5	2809.5	2794.7	2773.3	2768.3	2763.4	2761.8	2768.3	2783.2	2794.7
17.5°	2822.7	2827.6	2804.5	2774.9	2768.3	2770.0	2768.3	2773.3	2796.3	2817.7
20°	2839.1	2842.4	2811.1	2774.9	2768.3	2770.0	2768.3	2778.2	2807.8	2837.5
22.5°	2844.0	2847.3	2817.7	2786.4	2781.5	2783.2	2781.5	2791.4	2819.4	2849.0
25°	2845.7	2850.6	2827.6	2802.9	2811.1	2814.4	2811.1	2812.8	2834.2	2860.5
27.5°	2870.4	2877.0	2855.6	2834.2	2839.1	2837.5	2842.4	2847.3	2863.8	2890.1
30°	2921.4	2926.3	2908.2	2886.8	2883.5	2872.0	2886.8	2903.3	2921.4	2944.4
32.5°	3005.3	3015.2	2992.2	2969.1	2954.3	2947.7	2959.3	2987.2	3011.9	3036.6
35°	3145.2	3151.8	3130.4	3087.6	3061.3	3061.3	3071.2	3107.4	3146.9	3178.2
37.5°	3342.7	3351.0	3313.1	3262.1	3222.6	3222.6	3235.8	3273.6	3332.9	3377.3
40°	3583.0	3594.6	3546.8	3494.2	3456.3	3449.7	3466.2	3509.0	3564.9	3620.9
42.5°	3872.7	3885.9	3823.3	3777.3	3747.6	3747.6	3755.9	3795.4	3846.4	3915.5
45°	4243.0	4266.1	4180.5	4134.4	4106.4	4113.0	4117.9	4152.5	4198.6	4277.6
47.5°	4684.1	4707.2	4616.6	4568.9	4564.0	4595.2	4575.5	4600.2	4624.9	4715.4
50°	5184.5	5224.0	5161.4	5158.1	5168.0	5225.6	5179.5	5192.7	5164.7	5222.3
52.5°	5796.7	5854.3	5842.8	5862.6	5972.8	6091.3	5986.0	5939.9	5834.6	5852.7
55°	6539.0	6626.2	6642.7	6761.2	7011.4	7253.3	7029.5	6843.5	6619.7	6578.5
57.5°	7383.3	7452.5	7531.5	7773.4	8240.8	8670.4	8240.8	7829.4	7477.1	7393.2
60°	8291.8	8377.4	8453.1	8810.3	9504.8	10108.9	9491.7	8838.3	8372.5	8258.9
62.5°	9267.8	9378.1	9430.8	9827.4	10637.2	11358.1	10648.7	9857.1	9340.3	9218.5
65°	10204.3	10294.9	10354.1	10777.1	11550.7	12273.2	11603.3	10823.2	10291.6	10131.9
67.5°	10640.5	10689.9	10834.7	11313.6	12130.0	12954.6	12268.2	11364.7	10770.5	10490.7
70°	10001.9	9901.5	10250.4	11017.4	12199.1	13372.6	12357.1	10994.3	10266.9	9812.6
72.5°	7729.0	7556.1	8161.8	9473.6	11409.1	13106.0	11488.1	9547.6	8538.7	7617.0
75°	4205.2	4009.3	4845.4	6504.4	9098.3	11359.7	9307.3	6690.4	5395.1	4173.9
77.5°	1186.7	1112.6	1787.4	3146.9	5472.5	7975.8	5683.2	3216.0	2119.9	1257.4
80°	363.7	352.2	477.3	948.0	2324.0	3820.0	2233.4	959.5	607.3	383.5
82.5°	215.6	197.5	237.0	345.6	592.5	1199.8	576.1	360.4	289.7	194.2
85°	123.4	115.2	139.9	167.9	199.1	255.1	166.2	171.2	154.7	103.7
87.5°	51.0	46.1	54.3	52.7	46.1	59.3	44.4	52.7	62.5	41.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2888.5
2878.6
2842.4
2802.9
2784.8
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2849.0
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3026.7
3166.6
3360.8
3602.8
3910.6
4274.3
4689.1
5187.8
5791.8
6514.3
7334.0
8160.2
9119.7
10052.9
10494.0
9921.2
7845.8
4445.5
1397.3
404.9
210.7
108.6
37.9
0.0

OF REPORT)