

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: P848841

Luminaire Tested: **GLAN-SB5C-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848841  
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-SB5C-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31683 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

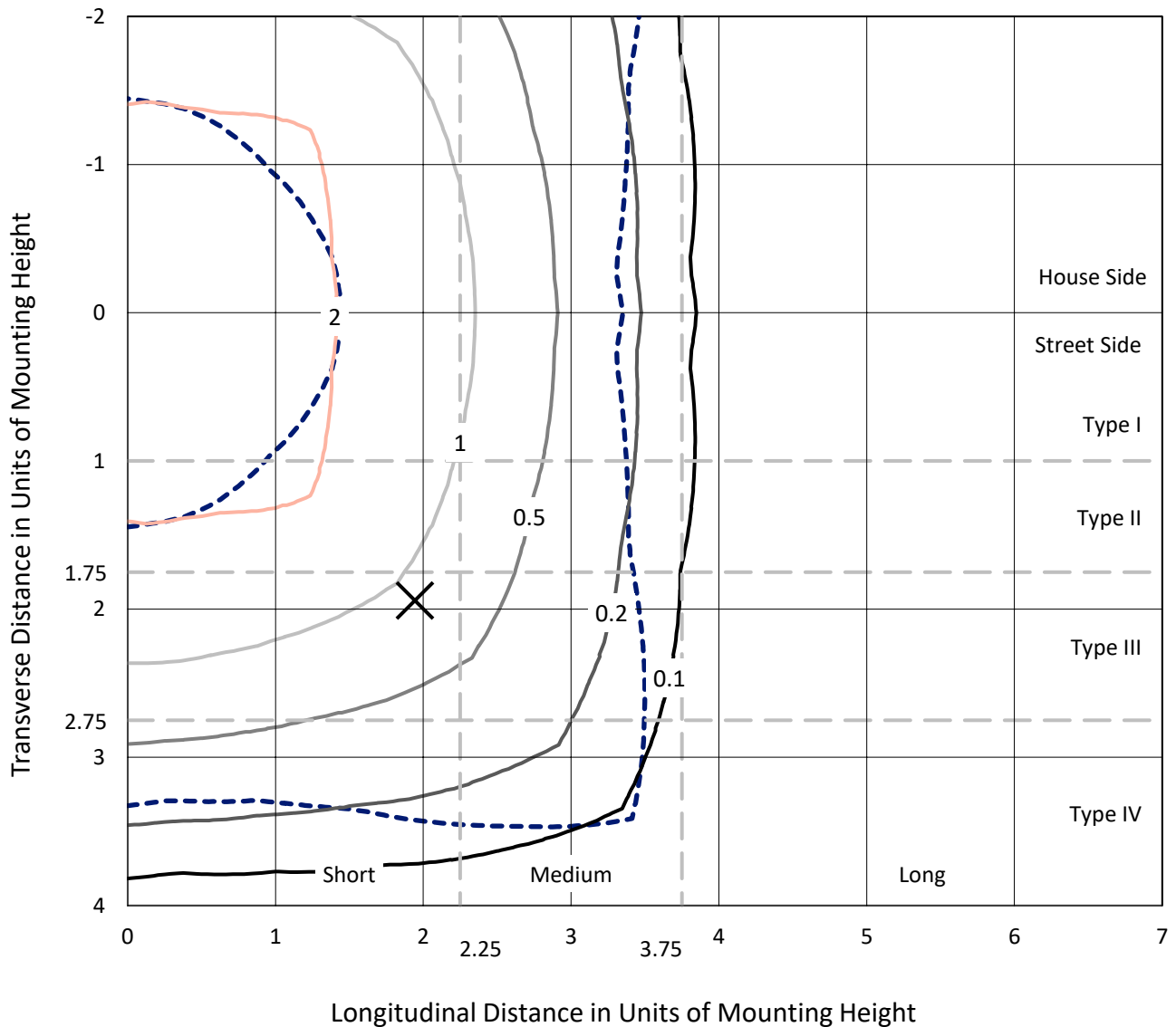
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

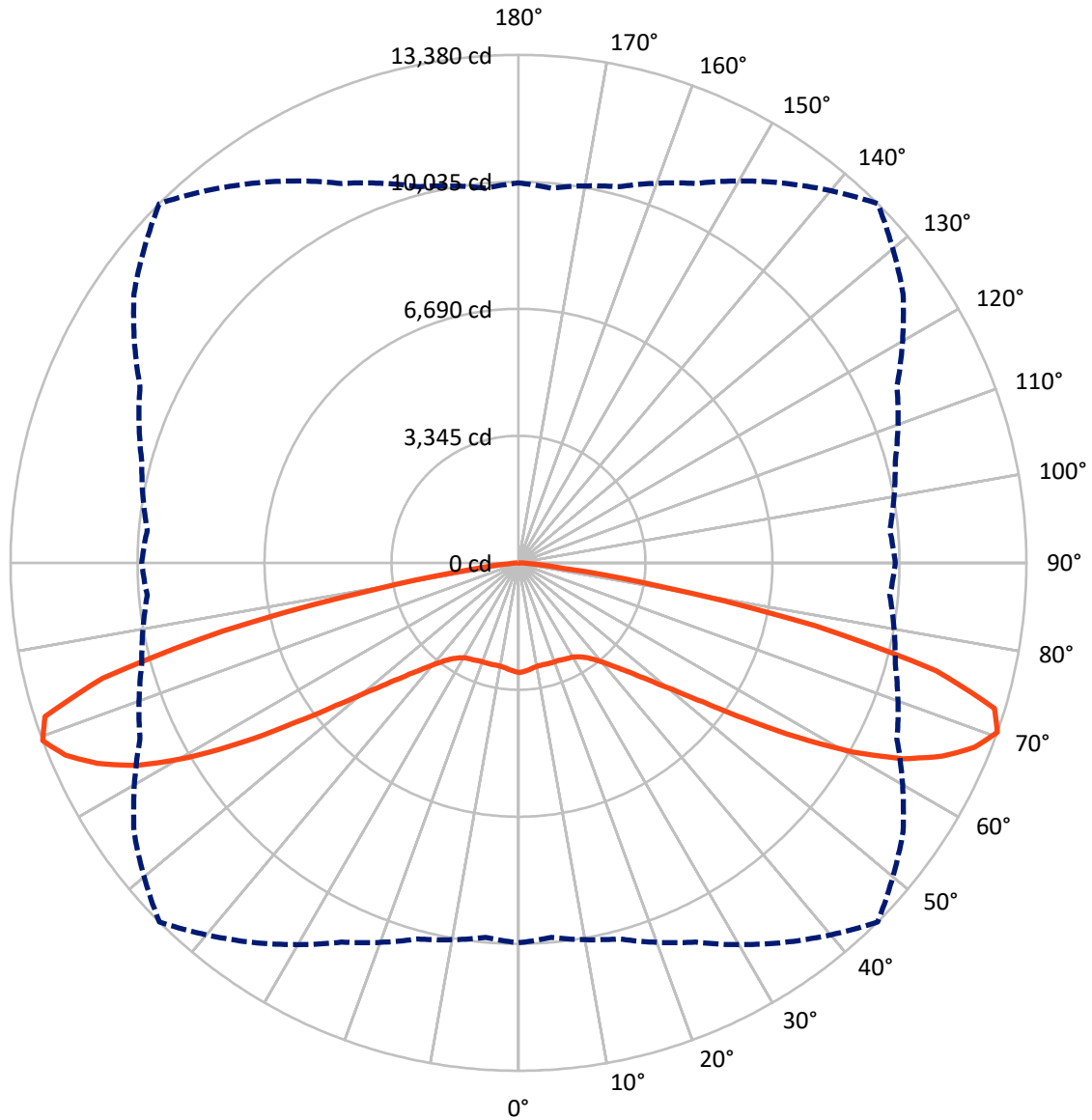
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	15841.5	0.0	15841.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15841.5	0.0	15841.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31683.0	0.0	31683.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.9	0.8
10°-20°	789.4	2.5
20°-30°	1313.7	4.1
30°-40°	1986.7	6.3
40°-50°	3301.4	10.4
50°-60°	6229.7	19.7
60°-70°	10519.0	33.2
70°-80°	6912.1	21.8
80°-90°	362.1	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°	31683.0	100.0
0°-180°	31683.0	100.0

**Coefficient of Utilization**



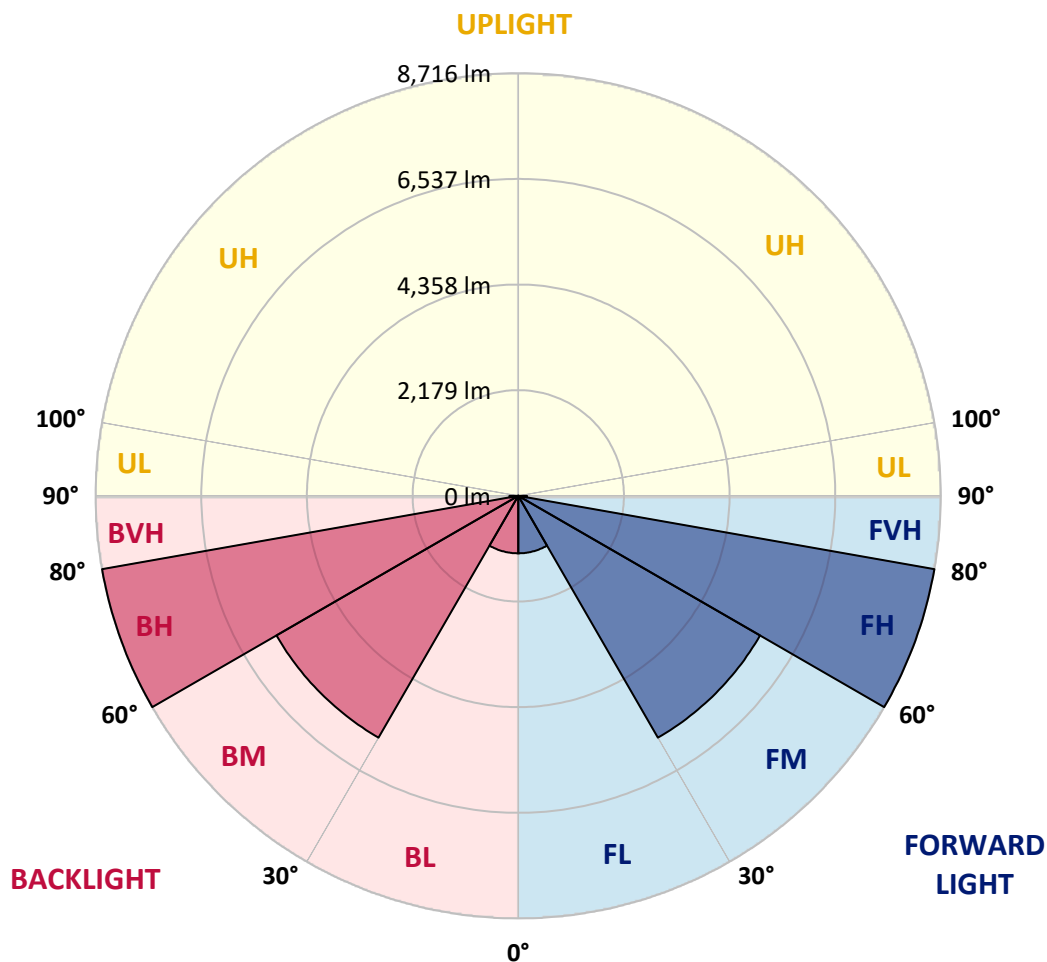
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.0	3.7			
FM (30°-60°)	5758.9	18.2			
FH (60°-80°)	8715.6	27.5			G4/12000
FVH (80°-90°)	181.1	0.6			G2/225
BL (0°-30°)	1186.0	3.7	B3/2500		
BM (30°-60°)	5758.9	18.2	B4/8500		
BH (60°-80°)	8715.6	27.5	B5		G4/12000
BVH (80°-90°)	181.1	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°	2890.1	2890.1	2890.1	2890.1	2890.1	2890.1	2890.1	2890.1	2890.1	2890.1
2.5°	2872.0	2880.2	2877.0	2870.4	2870.4	2865.4	2870.4	2873.7	2878.6	2881.9
5°	2834.1	2840.7	2839.1	2834.1	2835.8	2830.8	2834.1	2839.1	2842.4	2844.0
7.5°	2801.2	2807.8	2804.5	2796.3	2796.3	2791.3	2793.0	2797.9	2802.8	2804.5
10°	2793.0	2799.6	2789.7	2776.5	2771.6	2765.0	2766.6	2771.6	2781.4	2786.4
12.5°	2796.3	2801.2	2791.3	2771.6	2766.6	2760.0	2760.0	2765.0	2778.1	2784.7
15°	2806.1	2811.1	2796.3	2774.9	2769.9	2765.0	2763.3	2769.9	2784.7	2796.3
17.5°	2824.3	2829.2	2806.1	2776.5	2769.9	2771.6	2769.9	2774.9	2797.9	2819.3
20°	2840.7	2844.0	2812.7	2776.5	2769.9	2771.6	2769.9	2779.8	2809.4	2839.1
22.5°	2845.7	2849.0	2819.3	2788.0	2783.1	2784.7	2783.1	2793.0	2821.0	2850.6
25°	2847.3	2852.3	2829.2	2804.5	2812.7	2816.0	2812.7	2814.4	2835.8	2862.1
27.5°	2872.0	2878.6	2857.2	2835.8	2840.7	2839.1	2844.0	2849.0	2865.4	2891.8
30°	2923.1	2928.0	2909.9	2888.5	2885.2	2873.7	2888.5	2904.9	2923.1	2946.1
32.5°	3007.1	3016.9	2993.9	2970.8	2956.0	2949.4	2960.9	2988.9	3013.6	3038.3
35°	3147.0	3153.6	3132.2	3089.4	3063.0	3063.0	3072.9	3109.2	3148.7	3180.0
37.5°	3344.6	3352.9	3315.0	3264.0	3224.4	3224.4	3237.6	3275.5	3334.8	3379.2
40°	3585.1	3596.6	3548.8	3496.1	3458.3	3451.7	3468.2	3511.0	3567.0	3623.0
42.5°	3874.9	3888.1	3825.5	3779.4	3749.8	3749.8	3758.0	3797.5	3848.6	3917.7
45°	4245.4	4268.5	4182.9	4136.8	4108.8	4115.3	4120.3	4154.9	4201.0	4280.0
47.5°	4686.8	4709.8	4619.3	4571.5	4566.6	4597.9	4578.1	4602.8	4627.5	4718.1
50°	5187.4	5226.9	5164.4	5161.1	5170.9	5228.6	5182.5	5195.6	5167.6	5225.3
52.5°	5800.0	5857.7	5846.1	5865.9	5976.2	6094.8	5989.4	5943.3	5837.9	5856.0
55°	6542.7	6630.0	6646.5	6765.0	7015.4	7257.4	7033.5	6847.4	6623.4	6582.2
57.5°	7387.5	7456.7	7535.7	7777.8	8245.5	8675.3	8245.5	7833.8	7481.4	7397.4
60°	8296.6	8382.2	8457.9	8815.3	9510.2	10114.6	9497.1	8843.3	8377.3	8263.6
62.5°	9273.1	9383.4	9436.1	9833.0	10643.2	11364.5	10654.8	9862.7	9345.6	9223.7
65°	10210.1	10300.7	10360.0	10783.2	11557.2	12280.2	11609.9	10829.3	10297.4	10137.7
67.5°	10646.5	10695.9	10840.9	11320.1	12136.9	12961.9	12275.2	11371.1	10776.6	10496.7
70°	10007.6	9907.1	10256.2	11023.7	12206.1	13380.2	12364.1	11000.6	10272.7	9818.2
72.5°	7733.4	7560.4	8166.5	9479.0	11415.6	13113.4	11494.6	9553.1	8543.6	7621.4
75°	4207.6	4011.6	4848.2	6508.1	9103.5	11366.2	9312.6	6694.2	5398.2	4176.3
77.5°	1187.3	1113.2	1788.4	3148.7	5475.6	7980.4	5686.4	3217.8	2121.1	1258.2
80°	363.9	352.4	477.6	948.6	2325.3	3822.2	2234.7	960.1	607.7	383.7
82.5°	215.7	197.6	237.1	345.8	592.8	1200.5	576.4	360.6	289.8	194.3
85°	123.5	115.3	140.0	168.0	199.3	255.3	166.3	171.3	154.8	103.7
87.5°	51.1	46.1	54.3	52.7	46.1	59.3	44.5	52.7	62.6	41.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2890.1
2880.2
2844.0
2804.5
2786.4
2786.4
2797.9
2819.3
2840.7
2850.6
2860.5
2885.2
2941.2
3028.5
3168.4
3362.8
3604.8
3912.8
4276.7
4691.7
5190.7
5795.1
6518.0
7338.1
8164.8
9124.9
10058.6
10500.0
9926.9
7850.3
4448.0
1398.1
405.1
210.8
108.7
37.9
0.0

OF REPORT)