

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: P848614

Luminaire Tested: **GLAN-SB5B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27614 lumens  
Efficiency: N/A  
Efficacy: 151.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

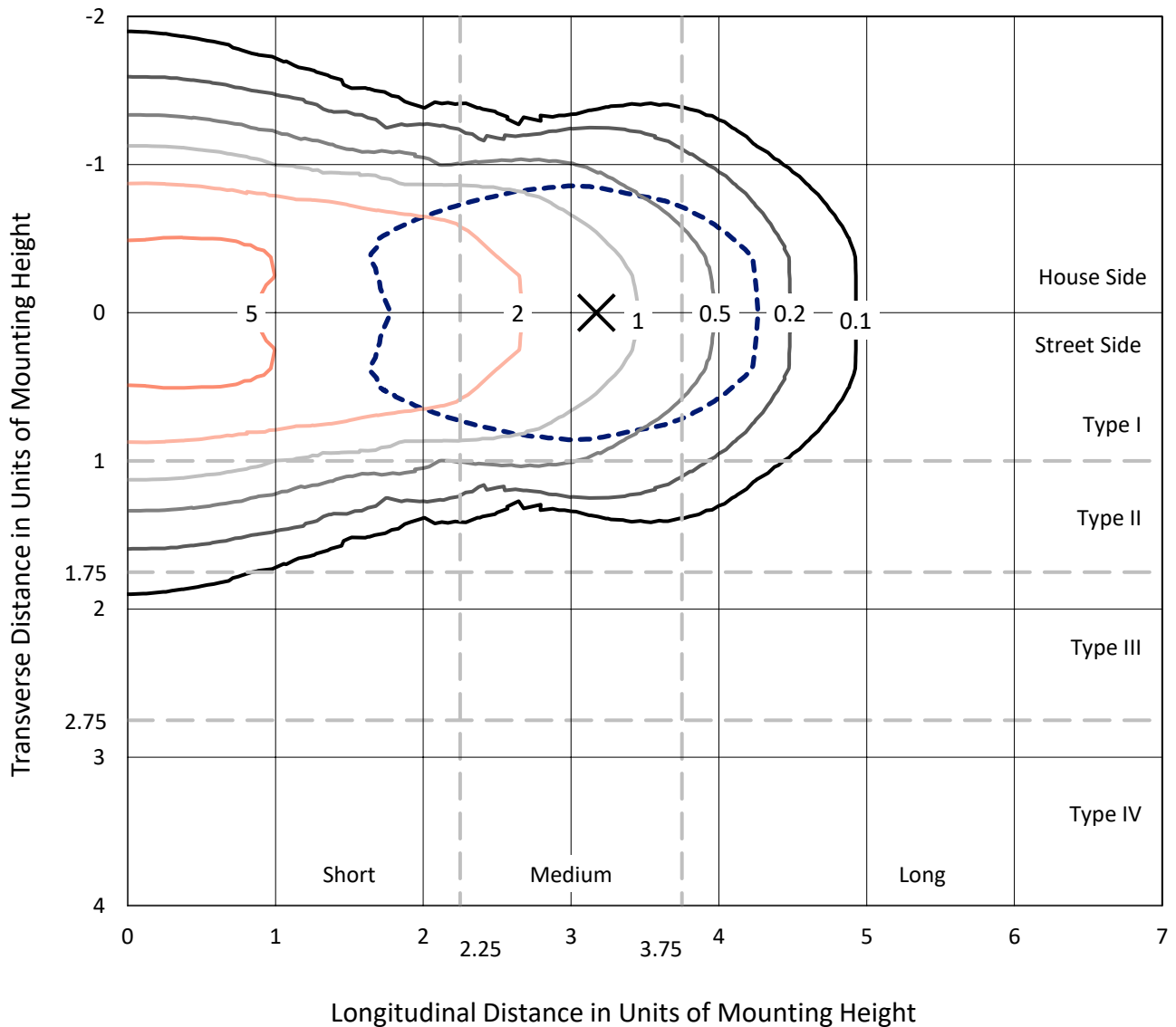
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

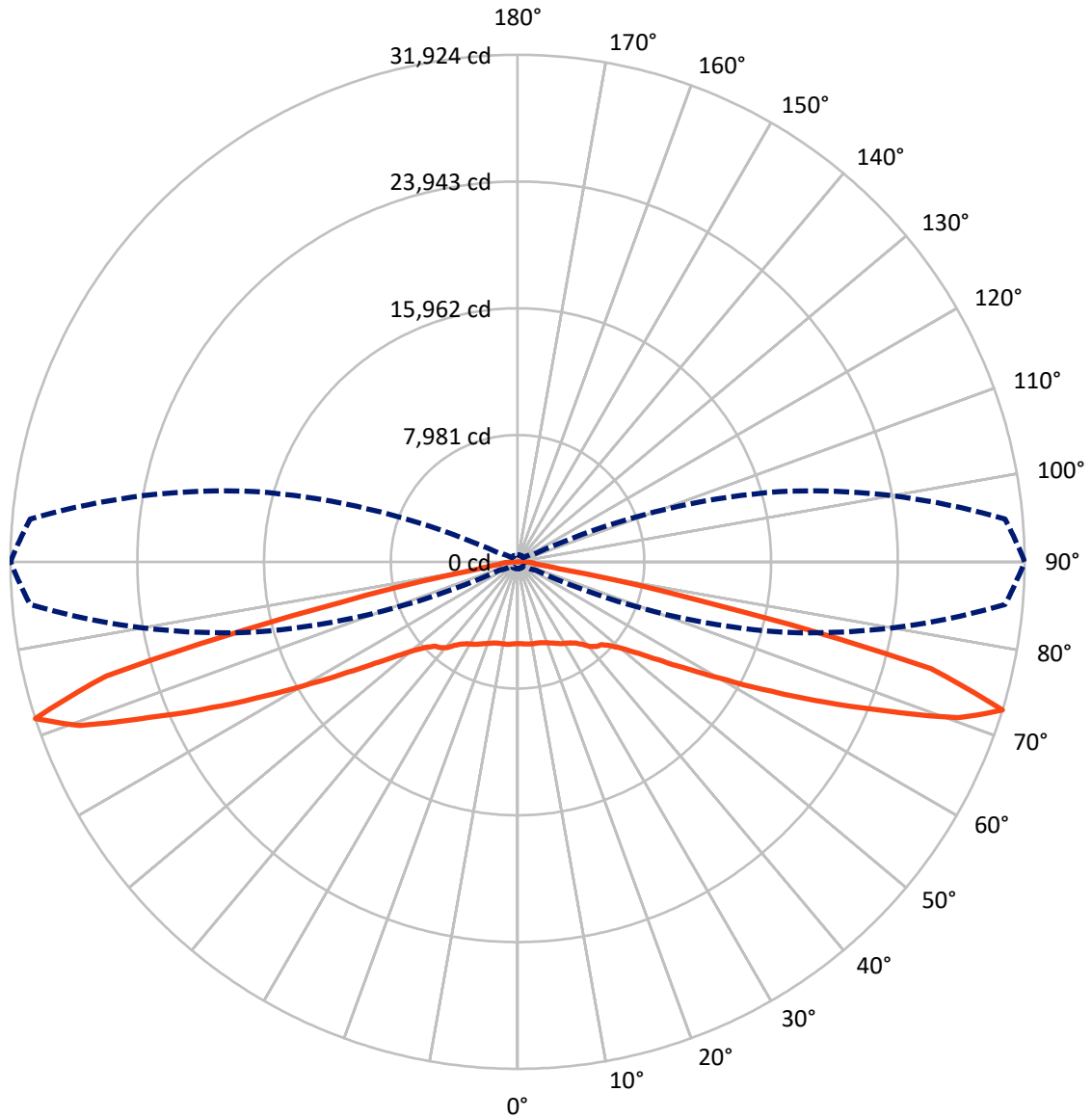
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13807.0	0.0	13807.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13807.0	0.0	13807.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27614.0	0.0	27614.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	500.3	1.8
10°-20°	1529.8	5.5
20°-30°	2550.8	9.2
30°-40°	3508.1	12.7
40°-50°	4284.3	15.5
50°-60°	4955.3	17.9
60°-70°	5908.4	21.4
70°-80°	4123.7	14.9
80°-90°	253.3	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°	27614.0	100.0
0°-180°	27614.0	100.0

**Coefficient of Utilization**

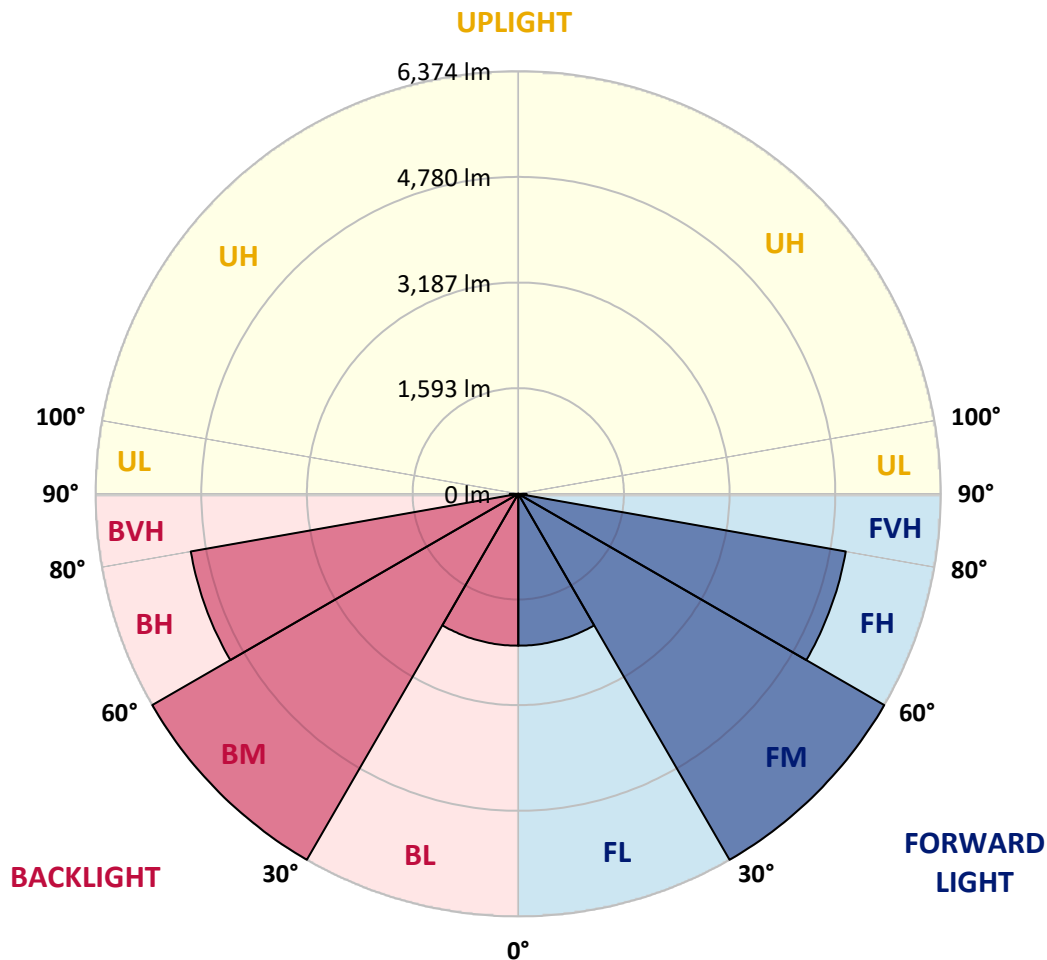


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2290.4	8.3			
FM (30°-60°)	6373.9	23.1			
FH (60°-80°)	5016.0	18.2			G3/7500
FVH (80°-90°)	126.6	0.5			G2/225
BL (0°-30°)	2290.4	8.3	B3/2500		
BM (30°-60°)	6373.9	23.1	B4/8500		
BH (60°-80°)	5016.0	18.2	B5		G5
BVH (80°-90°)	126.6	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5160.0	5160.0	5160.0	5160.0	5160.0	5160.0	5160.0	5160.0	5160.0	5160.0
2.5°	5164.4	5170.2	5170.2	5165.8	5176.1	5167.3	5167.3	5162.9	5167.3	5162.9
5°	5190.8	5198.1	5201.1	5199.6	5212.8	5205.5	5205.5	5199.6	5201.1	5196.7
7.5°	5240.7	5251.0	5256.8	5264.2	5283.2	5274.4	5268.6	5251.0	5243.6	5231.9
10°	5256.8	5268.6	5287.6	5325.8	5369.8	5371.3	5353.7	5309.7	5275.9	5249.5
12.5°	5206.9	5223.1	5262.7	5340.5	5438.8	5478.4	5450.5	5377.2	5311.1	5264.2
15°	5143.8	5161.4	5221.6	5339.0	5484.3	5576.8	5573.8	5477.0	5371.3	5297.9
17.5°	5045.5	5063.1	5149.7	5314.1	5519.5	5672.1	5713.2	5613.4	5465.2	5366.9
20°	4867.9	4884.1	5004.4	5234.8	5531.3	5773.4	5880.5	5792.5	5607.6	5474.0
22.5°	4637.5	4662.5	4803.3	5098.3	5503.4	5879.1	6071.3	6011.2	5773.4	5588.5
25°	4391.0	4417.4	4581.7	4931.0	5431.5	5955.4	6297.3	6259.2	5961.3	5730.9
27.5°	4178.2	4206.0	4385.1	4765.2	5319.9	5984.7	6520.4	6539.5	6188.7	5887.9
30°	4010.9	4037.3	4228.1	4631.6	5176.1	5955.4	6715.6	6847.7	6420.6	6024.4
32.5°	3827.4	3861.2	4062.2	4468.7	5005.9	5884.9	6885.8	7180.8	6689.2	6171.1
35°	3595.5	3626.4	3837.7	4245.7	4782.8	5771.9	7028.2	7550.6	7073.7	6394.2
37.5°	3313.8	3343.1	3553.0	3966.8	4561.2	5613.4	7136.8	7967.4	7531.6	6715.6
40°	3030.5	3058.4	3255.1	3655.7	4295.6	5410.9	7174.9	8375.4	8056.9	7157.3
42.5°	2770.8	2795.7	2976.2	3349.0	3997.7	5152.6	7125.0	8730.6	8528.0	7465.5
45°	2531.6	2553.6	2713.5	3061.3	3688.0	4838.6	6975.3	9112.1	9088.6	7685.7
47.5°	2258.6	2280.6	2446.4	2782.5	3378.3	4470.2	6721.5	9487.8	9867.9	8184.6
50°	1925.4	1944.5	2114.8	2461.1	3056.9	4078.4	6369.2	9782.8	10851.2	8940.4
52.5°	1530.7	1551.2	1717.1	2063.4	2675.4	3657.2	5905.5	9975.1	11987.1	10044.0
55°	1138.8	1153.5	1297.3	1608.5	2202.8	3177.3	5324.3	10029.4	13275.6	11552.7
57.5°	826.2	835.0	927.5	1159.4	1670.1	2577.0	4618.4	9888.5	14809.2	13486.9
60°	669.2	672.1	700.0	802.8	1160.8	1899.0	3765.8	9404.2	16473.4	15980.3
62.5°	607.6	607.6	614.9	642.8	785.1	1253.3	2734.1	8400.4	18258.0	19131.2
65°	565.0	565.0	567.9	581.2	619.3	798.4	1725.9	6765.5	19762.3	22822.1
67.5°	526.9	528.3	526.9	531.3	553.3	590.0	1000.9	4672.7	20572.4	26646.6
70°	487.2	490.2	482.8	482.8	500.4	501.9	626.7	2562.4	19900.2	29851.8
72.5°	440.3	444.7	432.9	430.0	443.2	437.3	471.1	1229.8	17085.4	30808.6
75°	399.2	405.0	378.6	371.3	371.3	366.9	383.0	631.1	11088.9	25132.1
77.5°	362.5	374.2	331.7	308.2	302.3	289.1	312.6	386.0	4850.3	11799.2
80°	299.4	315.5	273.0	245.1	234.8	220.1	246.6	270.0	1442.6	2739.9
82.5°	223.1	230.4	193.7	174.6	165.8	155.6	184.9	187.8	469.6	970.1
85°	142.4	145.3	118.9	102.7	98.3	93.9	117.4	102.7	179.0	713.2
87.5°	49.9	57.2	45.5	41.1	44.0	36.7	54.3	30.8	49.9	503.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5160.0  
5162.9  
5196.7  
5231.9  
5245.1  
5256.8  
5286.2  
5350.8  
5449.1  
5554.7  
5683.9  
5838.0  
5952.5  
6080.1  
6292.9  
6580.6  
7013.5  
7280.6  
7436.2  
7897.0  
8579.4  
9599.4  
10996.5  
12786.9  
15098.3  
17949.8  
21328.2  
25033.8  
29427.7  
31924.0  
26881.4  
11554.2  
2624.0  
1096.3  
1036.1  
623.7  
0.0

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