

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: P848601

Luminaire Tested: **GLAN-SB5B-730-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848601  
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-SB5B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27793 lumens  
Efficiency: N/A  
Efficacy: 152.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

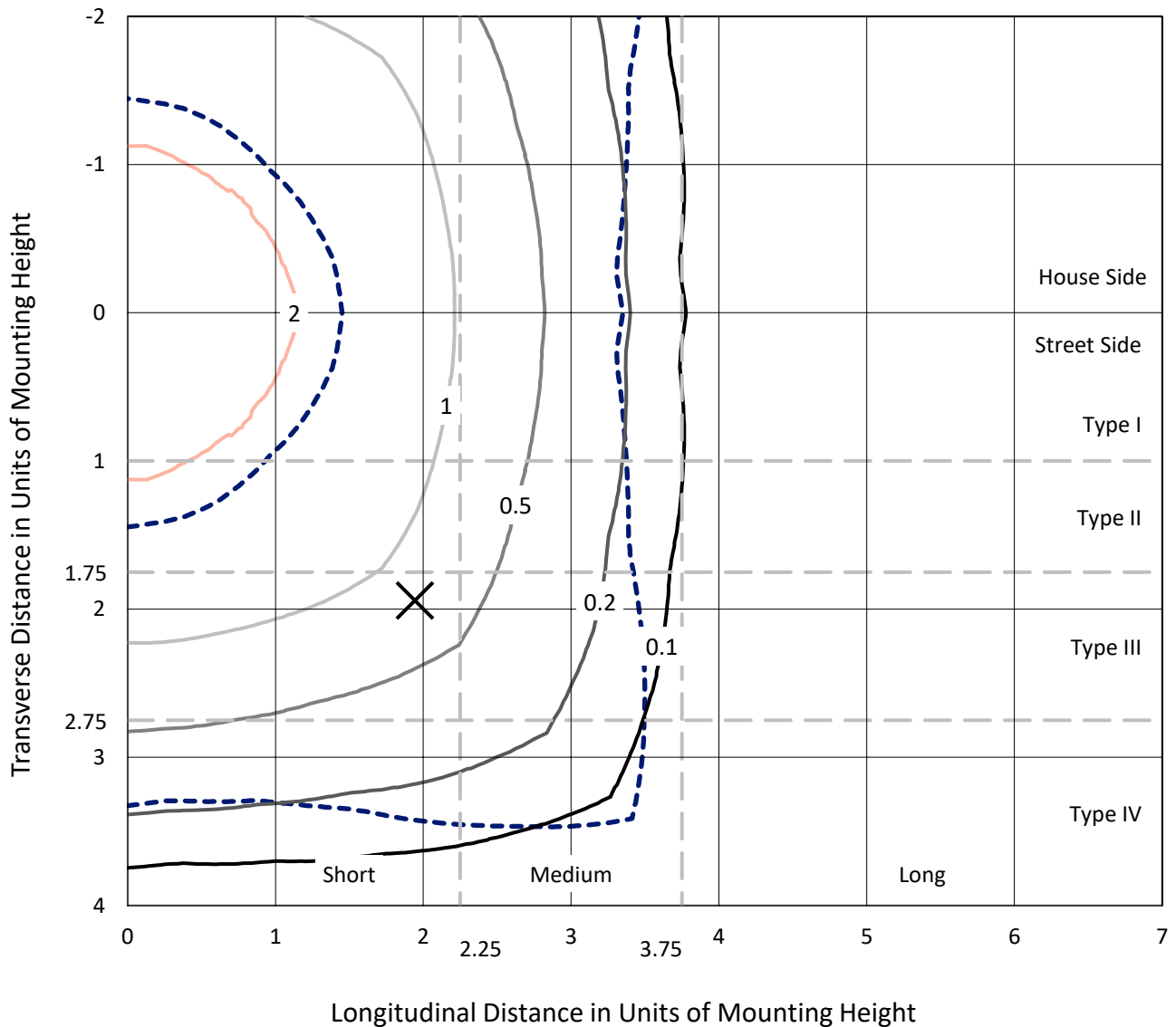
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

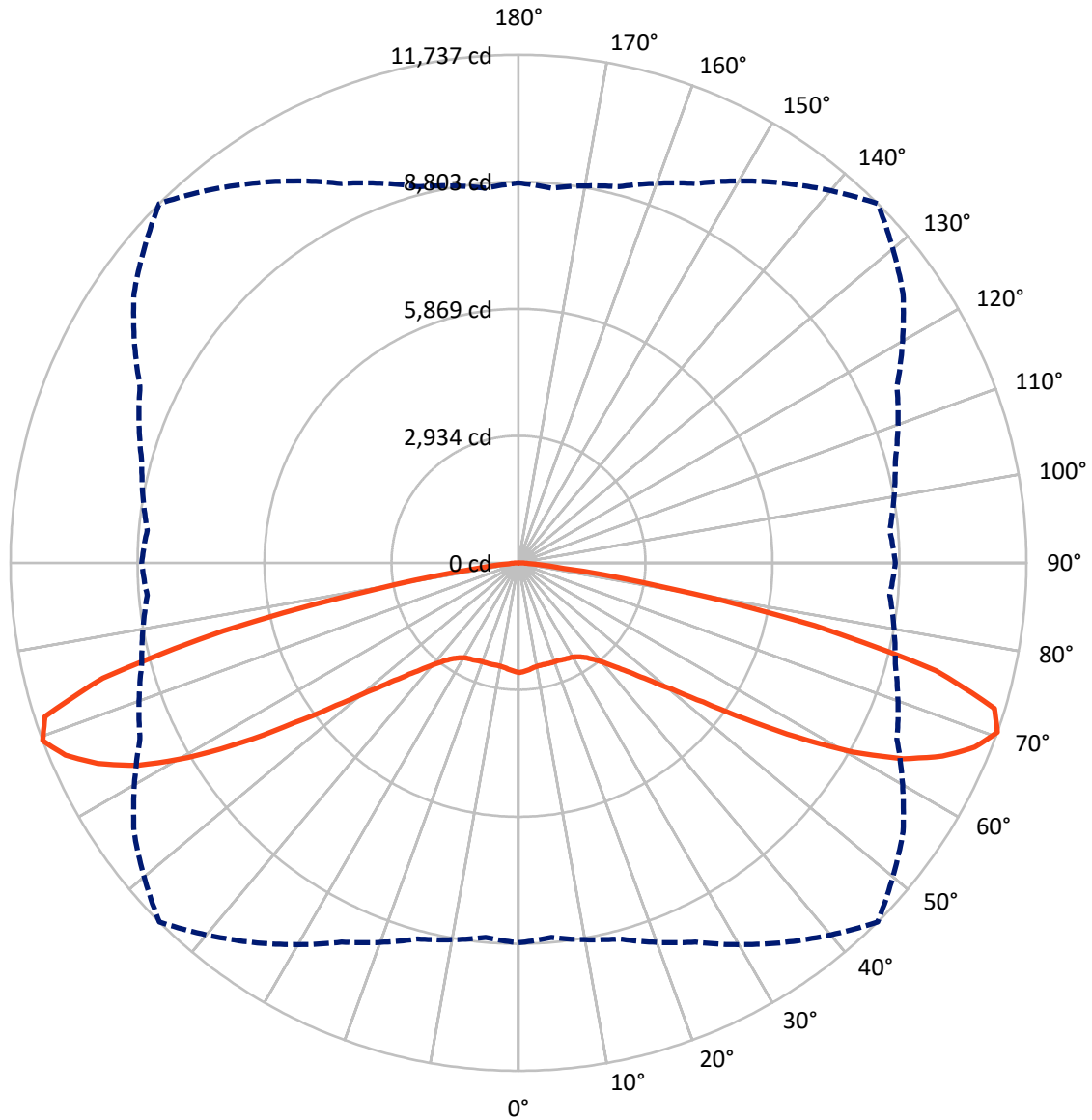
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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
<b>House Side</b>	Lumens	13896.5	0.0	13896.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13896.5	0.0	13896.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27793.0	0.0	27793.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.8	0.8
10°-20°	692.5	2.5
20°-30°	1152.4	4.1
30°-40°	1742.8	6.3
40°-50°	2896.1	10.4
50°-60°	5464.8	19.7
60°-70°	9227.5	33.2
70°-80°	6063.4	21.8
80°-90°	317.7	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°	27793.0	100.0
0°-180°	27793.0	100.0

**Coefficient of Utilization**

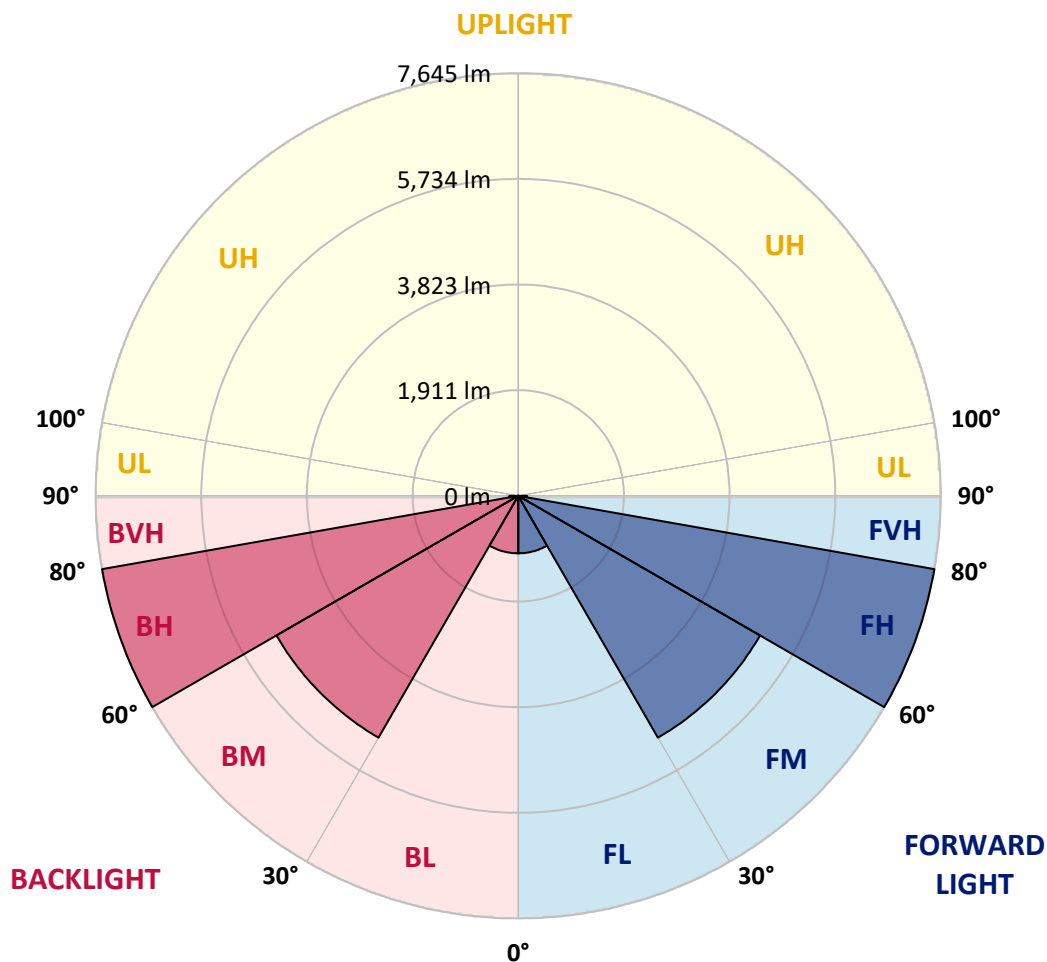


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1040.4	3.7			
FM (30°-60°)	5051.8	18.2			
FH (60°-80°)	7645.5	27.5			G4/12000
FVH (80°-90°)	158.8	0.6			G2/225
BL (0°-30°)	1040.4	3.7	B3/2500		
BM (30°-60°)	5051.8	18.2	B4/8500		
BH (60°-80°)	7645.5	27.5	B5		G4/12000
BVH (80°-90°)	158.8	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°	2535.3	2535.3	2535.3	2535.3	2535.3	2535.3	2535.3	2535.3	2535.3	2535.3
2.5°	2519.4	2526.6	2523.7	2517.9	2517.9	2513.6	2517.9	2520.8	2525.2	2528.1
5°	2486.2	2491.9	2490.5	2486.2	2487.6	2483.3	2486.2	2490.5	2493.4	2494.8
7.5°	2457.3	2463.1	2460.2	2452.9	2452.9	2448.6	2450.0	2454.4	2458.7	2460.2
10°	2450.0	2455.8	2447.2	2435.6	2431.3	2425.5	2426.9	2431.3	2439.9	2444.3
12.5°	2452.9	2457.3	2448.6	2431.3	2426.9	2421.2	2421.2	2425.5	2437.0	2442.8
15°	2461.6	2465.9	2452.9	2434.2	2429.8	2425.5	2424.0	2429.8	2442.8	2452.9
17.5°	2477.5	2481.8	2461.6	2435.6	2429.8	2431.3	2429.8	2434.2	2454.4	2473.2
20°	2491.9	2494.8	2467.4	2435.6	2429.8	2431.3	2429.8	2438.5	2464.5	2490.5
22.5°	2496.3	2499.2	2473.2	2445.7	2441.4	2442.8	2441.4	2450.0	2474.6	2500.6
25°	2497.7	2502.1	2481.8	2460.2	2467.4	2470.3	2467.4	2468.8	2487.6	2510.7
27.5°	2519.4	2525.2	2506.4	2487.6	2491.9	2490.5	2494.8	2499.2	2513.6	2536.7
30°	2564.2	2568.5	2552.6	2533.8	2530.9	2520.8	2533.8	2548.3	2564.2	2584.4
32.5°	2637.8	2646.5	2626.3	2606.1	2593.1	2587.3	2597.4	2622.0	2643.6	2665.3
35°	2760.6	2766.4	2747.6	2710.1	2687.0	2687.0	2695.6	2727.4	2762.1	2789.5
37.5°	2934.0	2941.2	2908.0	2863.2	2828.5	2828.5	2840.1	2873.3	2925.3	2964.3
40°	3144.9	3155.0	3113.1	3066.9	3033.7	3027.9	3042.3	3079.9	3129.0	3178.1
42.5°	3399.2	3410.7	3355.8	3315.4	3289.4	3289.4	3296.6	3331.3	3376.0	3436.7
45°	3724.2	3744.4	3669.3	3628.8	3604.3	3610.1	3614.4	3644.7	3685.2	3754.5
47.5°	4111.3	4131.6	4052.1	4010.2	4005.9	4033.3	4016.0	4037.7	4059.3	4138.8
50°	4550.5	4585.2	4530.3	4527.4	4536.1	4586.6	4546.2	4557.7	4533.2	4583.7
52.5°	5087.9	5138.5	5128.3	5145.7	5242.5	5346.5	5254.0	5213.6	5121.1	5137.0
55°	5739.4	5816.0	5830.4	5934.4	6154.0	6366.4	6169.9	6006.7	5810.2	5774.1
57.5°	6480.5	6541.2	6610.5	6822.9	7233.1	7610.2	7233.1	6872.0	6562.8	6489.2
60°	7277.9	7353.0	7419.5	7733.0	8342.6	8872.8	8331.0	7757.5	7348.7	7249.0
62.5°	8134.6	8231.4	8277.6	8625.7	9336.5	9969.2	9346.6	8651.7	8198.1	8091.2
65°	8956.5	9036.0	9088.0	9459.3	10138.2	10772.4	10184.5	9499.7	9033.1	8893.0
67.5°	9339.4	9382.7	9509.8	9930.2	10646.7	11370.5	10768.1	9975.0	9453.5	9207.9
70°	8778.9	8690.7	8997.0	9670.2	10707.4	11737.4	10846.1	9650.0	9011.4	8612.7
72.5°	6783.9	6632.2	7163.8	8315.1	10014.0	11503.4	10083.3	8380.2	7494.6	6685.6
75°	3691.0	3519.1	4252.9	5709.1	7985.8	9970.7	8169.2	5872.3	4735.4	3663.5
77.5°	1041.6	976.6	1568.8	2762.1	4803.3	7000.6	4988.2	2822.8	1860.7	1103.7
80°	319.3	309.1	418.9	832.1	2039.8	3352.9	1960.3	842.2	533.1	336.6
82.5°	189.2	173.4	208.0	303.4	520.1	1053.1	505.6	316.4	254.3	170.5
85°	108.3	101.1	122.8	147.3	174.8	223.9	145.9	150.2	135.8	91.0
87.5°	44.8	40.4	47.7	46.2	40.4	52.0	39.0	46.2	54.9	36.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2535.3
2526.6
2494.8
2460.2
2444.3
2444.3
2454.4
2473.2
2491.9
2500.6
2509.3
2530.9
2580.1
2656.6
2779.4
2949.9
3162.2
3432.4
3751.6
4115.7
4553.4
5083.6
5717.7
6437.2
7162.3
8004.6
8823.6
9210.8
8708.1
6886.4
3901.9
1226.5
355.4
184.9
95.3
33.2
0.0

OF REPORT)