

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: P846974

Luminaire Tested: **GLAN-SB2D-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846974  
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-SB2D-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16669 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

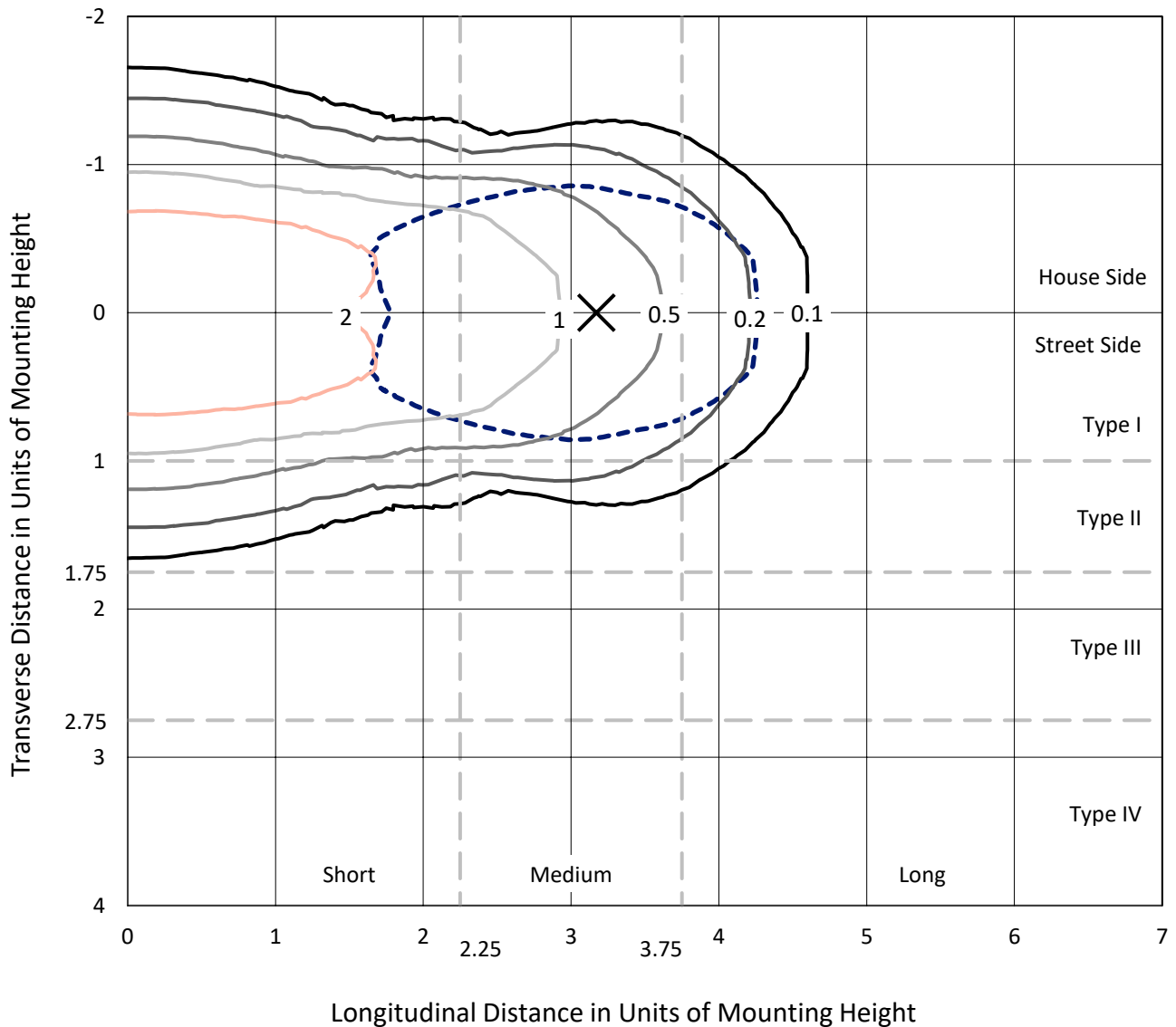
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

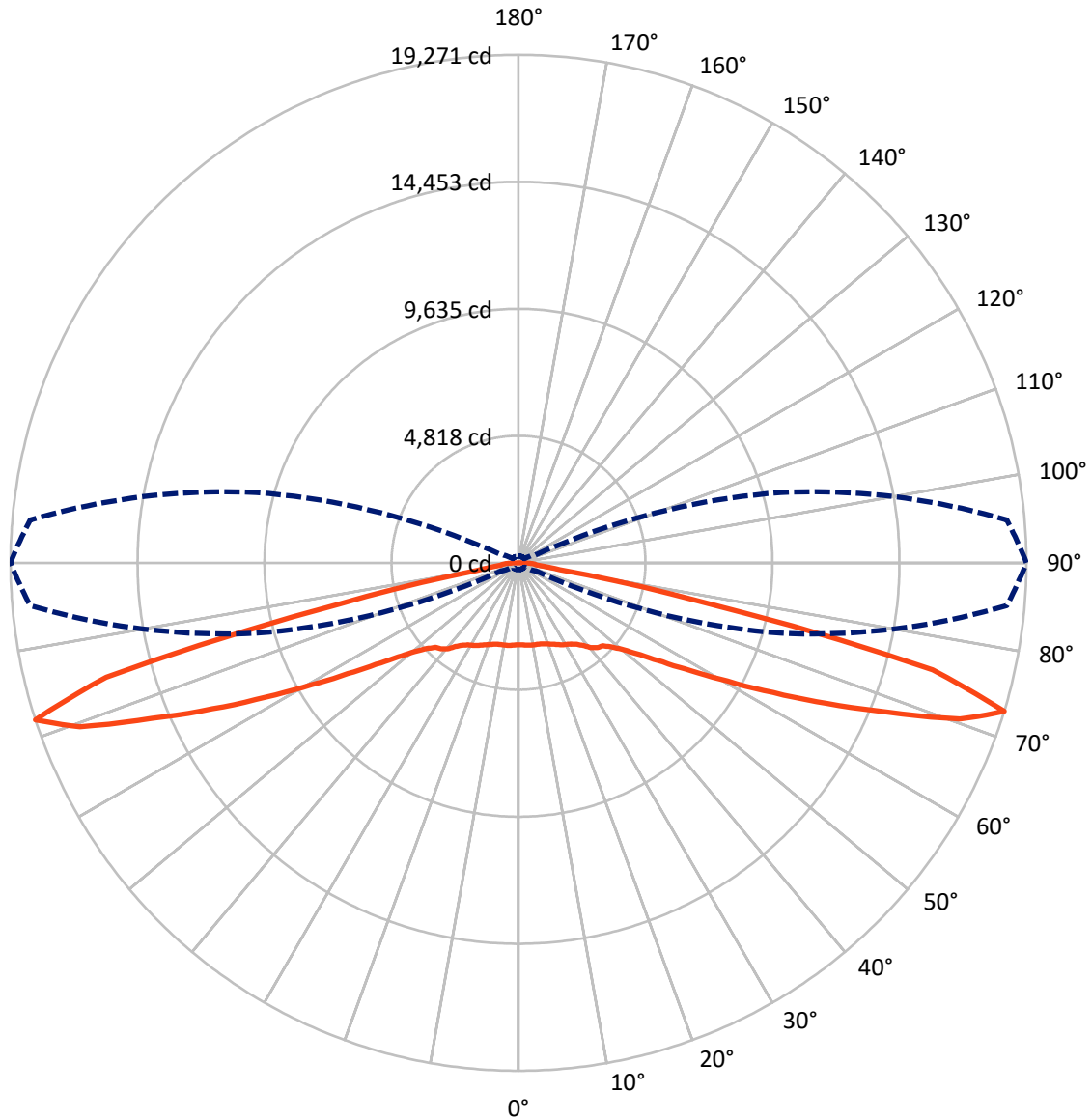
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	8334.5	0.0	8334.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8334.5	0.0	8334.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16669.0	0.0	16669.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.0	1.8
10°-20°	923.4	5.5
20°-30°	1539.8	9.2
30°-40°	2117.6	12.7
40°-50°	2586.2	15.5
50°-60°	2991.2	17.9
60°-70°	3566.6	21.4
70°-80°	2489.2	14.9
80°-90°	152.9	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°	16669.0	100.0
0°-180°	16669.0	100.0

**Coefficient of Utilization**

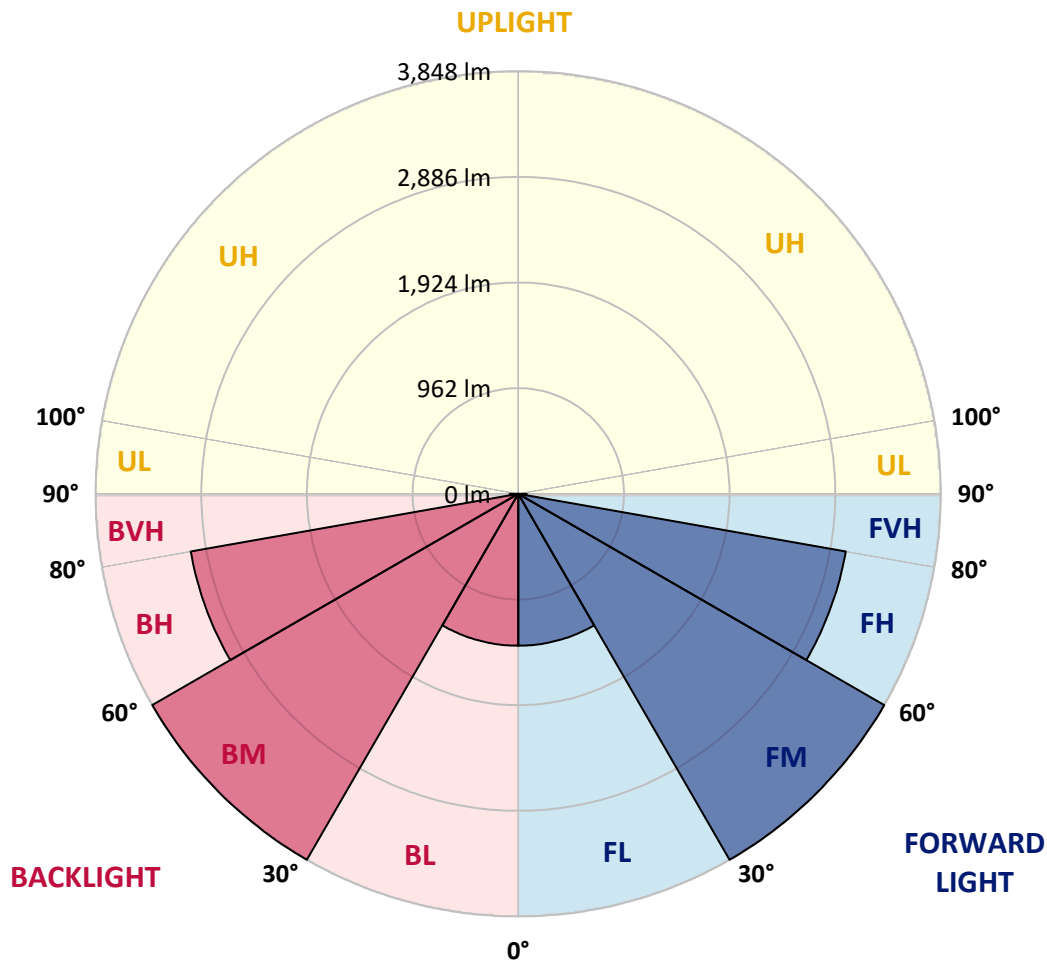


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.6	8.3			
FM (30°-60°)	3847.6	23.1			
FH (60°-80°)	3027.9	18.2			G2/5000
FVH (80°-90°)	76.4	0.5			G1/100
BL (0°-30°)	1382.6	8.3	B3/2500		
BM (30°-60°)	3847.6	23.1	B3/5000		
BH (60°-80°)	3027.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	76.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3114.8	3114.8	3114.8	3114.8	3114.8	3114.8	3114.8	3114.8	3114.8	3114.8
2.5°	3117.4	3121.0	3121.0	3118.3	3124.5	3119.2	3119.2	3116.6	3119.2	3116.6
5°	3133.4	3137.8	3139.6	3138.7	3146.7	3142.2	3142.2	3138.7	3139.6	3136.9
7.5°	3163.5	3169.7	3173.2	3177.7	3189.2	3183.9	3180.3	3169.7	3165.3	3158.2
10°	3173.2	3180.3	3191.9	3214.9	3241.5	3242.3	3231.7	3205.1	3184.8	3168.8
12.5°	3143.1	3152.9	3176.8	3223.7	3283.1	3307.0	3290.2	3245.9	3206.0	3177.7
15°	3105.0	3115.7	3152.0	3222.9	3310.6	3366.4	3364.6	3306.1	3242.3	3198.1
17.5°	3045.7	3056.3	3108.6	3207.8	3331.8	3424.0	3448.8	3388.5	3299.0	3239.7
20°	2938.5	2948.2	3020.9	3160.0	3338.9	3485.1	3549.7	3496.6	3385.0	3304.4
22.5°	2799.4	2814.5	2899.5	3077.6	3322.1	3548.9	3664.9	3628.6	3485.1	3373.5
25°	2650.6	2666.5	2765.7	2976.6	3278.7	3594.9	3801.3	3778.3	3598.5	3459.4
27.5°	2522.1	2539.0	2647.0	2876.5	3211.3	3612.6	3936.0	3947.5	3735.8	3554.2
30°	2421.1	2437.1	2552.2	2795.9	3124.5	3594.9	4053.8	4133.5	3875.8	3636.6
32.5°	2310.4	2330.8	2452.1	2697.5	3021.8	3552.4	4156.6	4334.6	4037.9	3725.2
35°	2170.4	2189.0	2316.6	2562.9	2887.1	3484.2	4242.5	4557.9	4270.0	3859.8
37.5°	2000.3	2018.1	2144.7	2394.6	2753.3	3388.5	4308.1	4809.5	4546.4	4053.8
40°	1829.4	1846.2	1964.9	2206.7	2593.0	3266.3	4331.1	5055.8	4863.5	4320.5
42.5°	1672.6	1687.6	1796.6	2021.6	2413.2	3110.3	4301.0	5270.1	5147.9	4506.5
45°	1528.2	1541.4	1638.0	1848.0	2226.2	2920.8	4210.6	5500.5	5486.3	4639.4
47.5°	1363.4	1376.7	1476.8	1679.6	2039.3	2698.4	4057.4	5727.3	5956.7	4940.6
50°	1162.3	1173.8	1276.6	1485.6	1845.3	2461.9	3844.7	5905.3	6550.2	5396.8
52.5°	924.0	936.4	1036.5	1245.6	1615.0	2207.6	3564.8	6021.4	7235.9	6063.0
55°	687.4	696.3	783.1	970.9	1329.7	1917.9	3214.0	6054.2	8013.7	6973.7
57.5°	498.8	504.1	559.9	699.9	1008.1	1555.6	2787.9	5969.1	8939.5	8141.3
60°	404.0	405.7	422.6	484.6	700.7	1146.3	2273.2	5676.8	9944.1	9646.4
62.5°	366.8	366.8	371.2	388.0	473.9	756.5	1650.4	5070.8	11021.3	11548.4
65°	341.1	341.1	342.8	350.8	373.8	481.9	1041.8	4083.9	11929.4	13776.4
67.5°	318.0	318.9	318.0	320.7	334.0	356.1	604.2	2820.7	12418.4	16085.0
70°	294.1	295.9	291.5	291.5	302.1	303.0	378.3	1546.8	12012.6	18019.8
72.5°	265.8	268.4	261.3	259.6	267.5	264.0	284.4	742.4	10313.5	18597.4
75°	241.0	244.5	228.6	224.1	224.1	221.5	231.2	380.9	6693.8	15170.8
77.5°	218.8	225.9	200.2	186.0	182.5	174.5	188.7	233.0	2927.9	7122.5
80°	180.7	190.5	164.8	147.9	141.7	132.9	148.8	163.0	870.8	1654.0
82.5°	134.7	139.1	116.9	105.4	100.1	93.9	111.6	113.4	283.5	585.6
85°	85.9	87.7	71.8	62.0	59.4	56.7	70.9	62.0	108.1	430.5
87.5°	30.1	34.5	27.5	24.8	26.6	22.1	32.8	18.6	30.1	303.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3114.8  
3116.6  
3136.9  
3158.2  
3166.2  
3173.2  
3191.0  
3229.9  
3289.3  
3353.1  
3431.0  
3524.1  
3593.2  
3670.2  
3798.7  
3972.3  
4233.7  
4394.9  
4488.8  
4767.0  
5178.9  
5794.6  
6638.0  
7718.7  
9114.0  
10835.3  
12874.6  
15111.5  
17763.8  
19270.7  
16226.8  
6974.6  
1584.0  
661.8  
625.4  
376.5  
0.0

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