

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: P846964

Luminaire Tested: **GLAN-SB2D-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846964  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17286 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

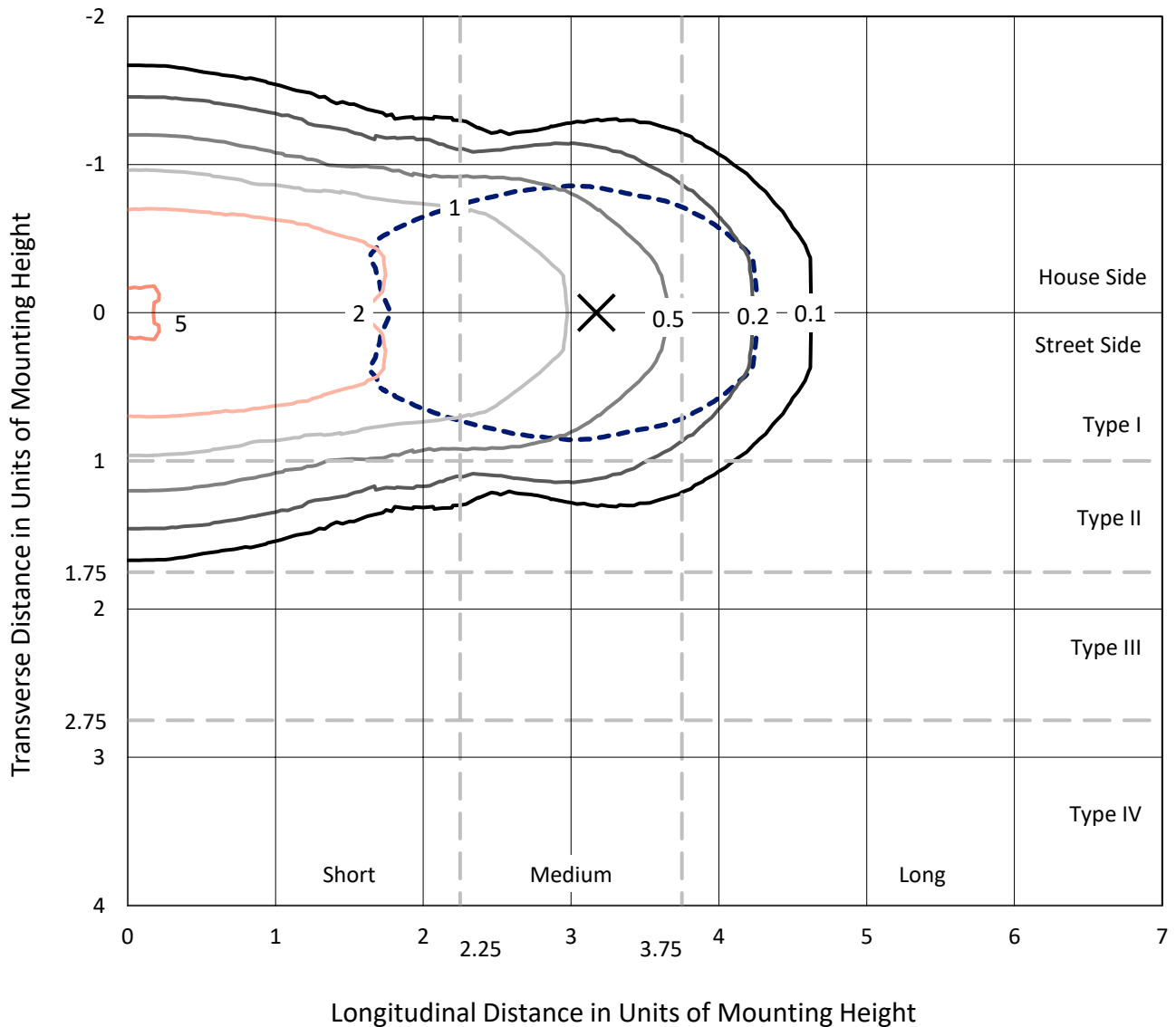
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

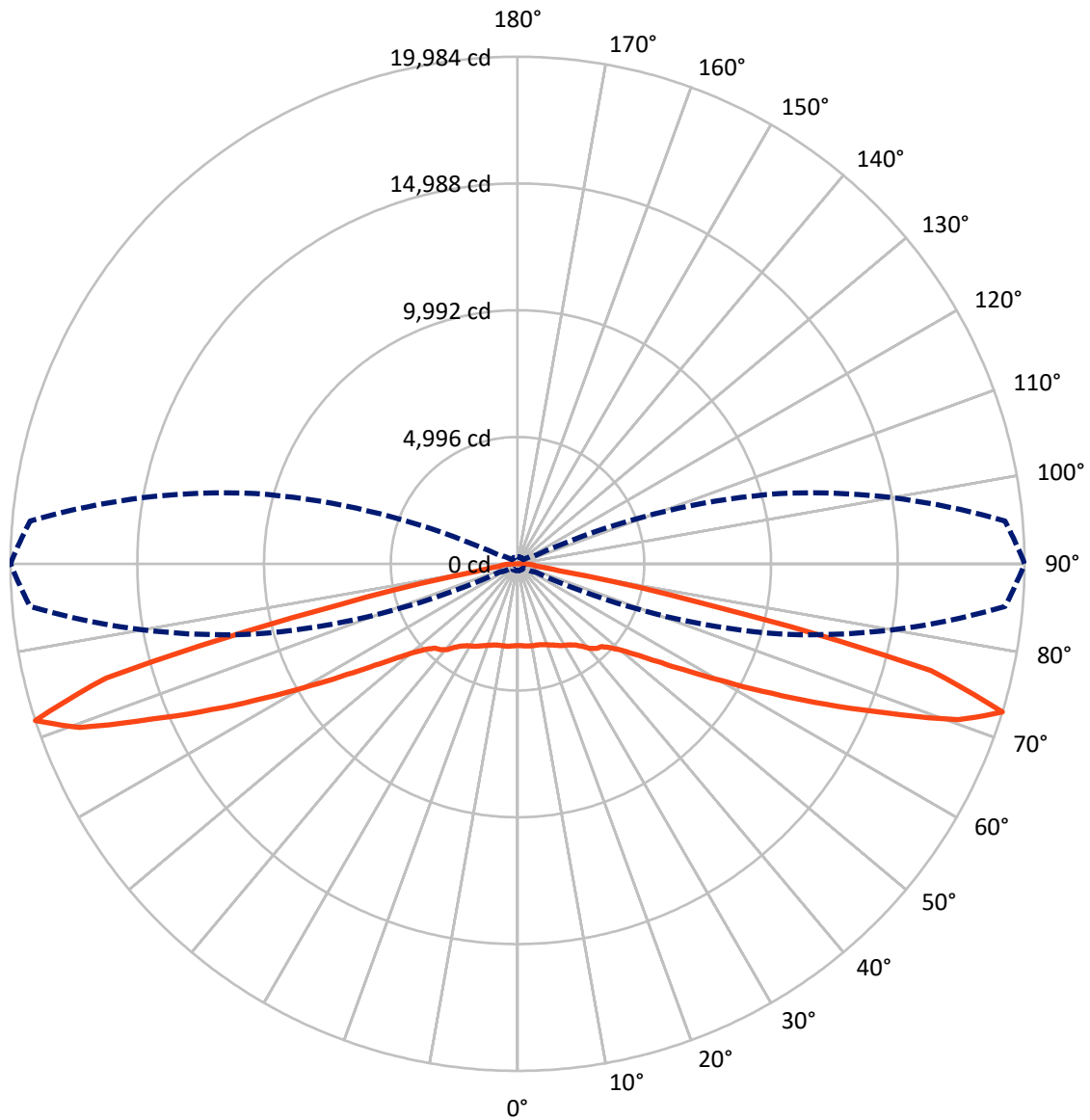
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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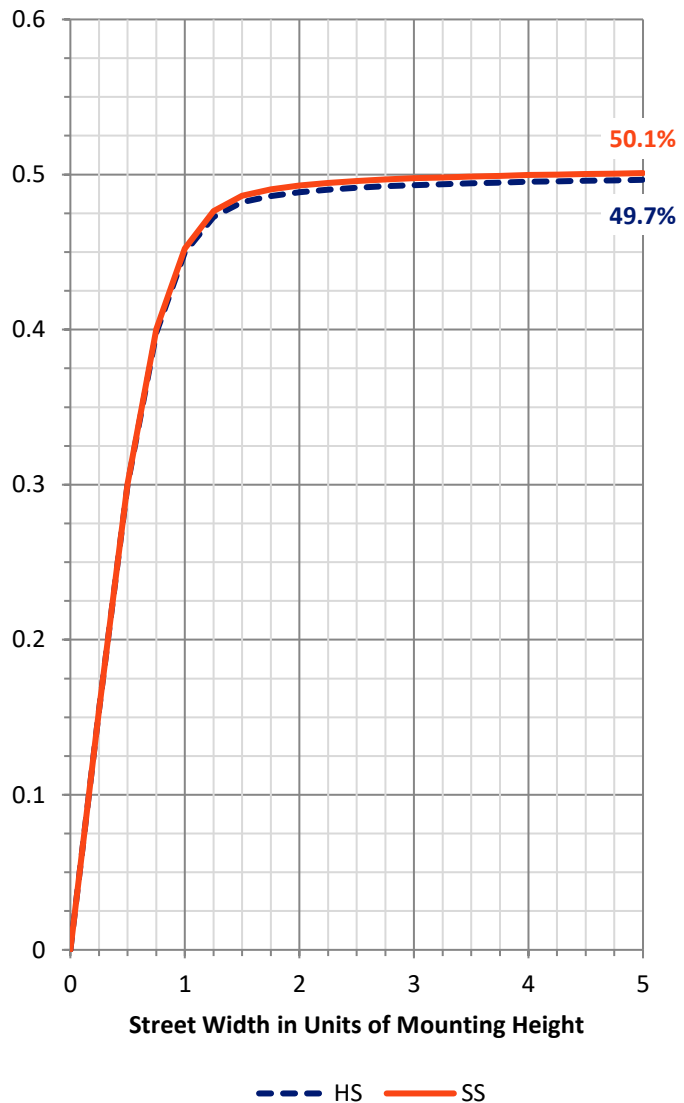
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8643.0	0.0	8643.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8643.0	0.0	8643.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17286.0	0.0	17286.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.2	1.8
10°-20°	957.6	5.5
20°-30°	1596.8	9.2
30°-40°	2196.0	12.7
40°-50°	2681.9	15.5
50°-60°	3102.0	17.9
60°-70°	3698.6	21.4
70°-80°	2581.4	14.9
80°-90°	158.6	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°	17286.0	100.0
0°-180°	17286.0	100.0

**Coefficient of Utilization**



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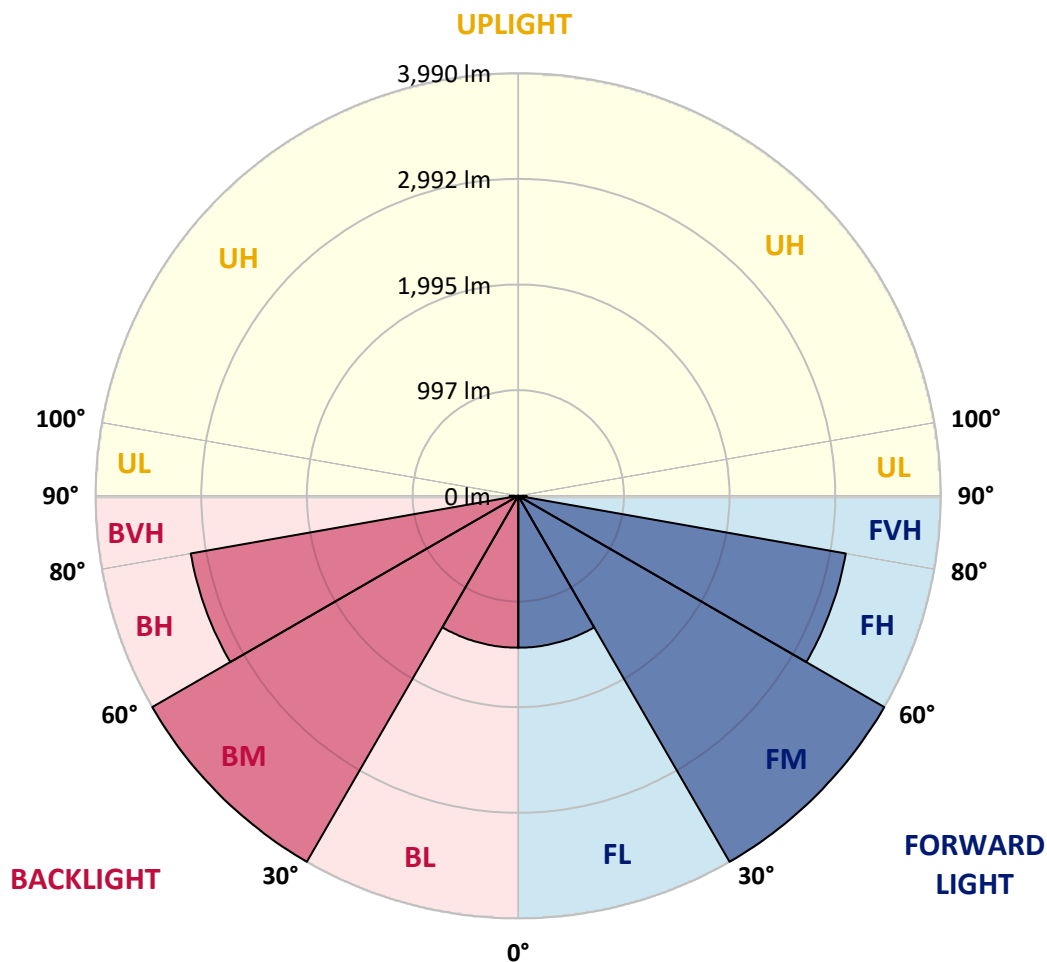
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1433.8	8.3			
FM (30°-60°)	3990.0	23.1			
FH (60°-80°)	3140.0	18.2			G2/5000
FVH (80°-90°)	79.3	0.5			G1/100
BL (0°-30°)	1433.8	8.3	B3/2500		
BM (30°-60°)	3990.0	23.1	B3/5000		
BH (60°-80°)	3140.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	79.3	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°	3230.1	3230.1	3230.1	3230.1	3230.1	3230.1	3230.1	3230.1	3230.1	3230.1
2.5°	3232.8	3236.5	3236.5	3233.7	3240.2	3234.7	3234.7	3231.9	3234.7	3231.9
5°	3249.4	3254.0	3255.8	3254.9	3263.1	3258.6	3258.6	3254.9	3255.8	3253.0
7.5°	3280.6	3287.0	3290.7	3295.3	3307.2	3301.7	3298.1	3287.0	3282.4	3275.1
10°	3290.7	3298.1	3310.0	3333.9	3361.4	3362.4	3351.3	3323.8	3302.6	3286.1
12.5°	3259.5	3269.6	3294.4	3343.1	3404.6	3429.4	3412.0	3366.0	3324.7	3295.3
15°	3220.0	3231.0	3268.7	3342.2	3433.1	3491.0	3489.1	3428.5	3362.4	3316.4
17.5°	3158.4	3169.4	3223.6	3326.5	3455.1	3550.7	3576.4	3513.9	3421.2	3359.6
20°	3047.3	3057.4	3132.7	3276.9	3462.5	3614.1	3681.1	3626.0	3510.3	3426.7
22.5°	2903.0	2918.6	3006.8	3191.5	3445.0	3680.2	3800.6	3762.9	3614.1	3498.3
25°	2748.7	2765.2	2868.1	3086.8	3400.0	3728.0	3942.0	3918.2	3731.7	3587.4
27.5°	2615.5	2632.9	2745.0	2982.9	3330.2	3746.4	4081.7	4093.6	3874.1	3685.7
30°	2510.7	2527.3	2646.7	2899.3	3240.2	3728.0	4203.9	4286.6	4019.2	3771.2
32.5°	2395.9	2417.0	2542.9	2797.4	3133.6	3683.9	4310.4	4495.1	4187.3	3863.0
35°	2250.8	2270.1	2402.3	2657.7	2994.0	3613.2	4399.5	4726.6	4428.0	4002.7
37.5°	2074.4	2092.7	2224.1	2483.2	2855.3	3513.9	4467.5	4987.5	4714.7	4203.9
40°	1897.1	1914.5	2037.6	2288.4	2689.0	3387.2	4491.4	5242.9	5043.5	4480.4
42.5°	1734.5	1750.1	1863.1	2096.4	2502.5	3225.5	4460.2	5465.2	5338.4	4673.3
45°	1584.7	1598.5	1698.6	1916.4	2308.6	3028.9	4366.5	5704.1	5689.4	4811.1
47.5°	1413.8	1427.6	1531.4	1741.8	2114.8	2798.3	4207.5	5939.3	6177.2	5123.5
50°	1205.3	1217.2	1323.8	1540.6	1913.6	2553.0	3987.1	6123.9	6792.7	5596.6
52.5°	958.2	971.0	1074.9	1291.7	1674.7	2289.3	3696.8	6244.3	7503.8	6287.4
55°	712.9	722.1	812.1	1006.9	1378.9	1988.9	3333.0	6278.2	8310.4	7231.8
57.5°	517.2	522.7	580.6	725.8	1045.5	1613.2	2891.1	6190.1	9270.4	8442.7
60°	418.9	420.8	438.2	502.5	726.7	1188.8	2357.3	5886.9	10312.2	10003.5
62.5°	380.3	380.3	384.9	402.4	491.5	784.6	1711.5	5258.5	11429.3	11975.9
65°	353.7	353.7	355.5	363.8	387.7	499.8	1080.4	4235.1	12370.9	14286.4
67.5°	329.8	330.7	329.8	332.6	346.3	369.3	626.5	2925.1	12878.0	16680.4
70°	305.0	306.8	302.2	302.2	313.3	314.2	392.3	1604.0	12457.3	18686.8
72.5°	275.6	278.4	271.0	269.2	277.4	273.8	294.9	769.9	10695.2	19285.8
75°	249.9	253.6	237.0	232.4	232.4	229.7	239.8	395.0	6941.5	15732.4
77.5°	226.9	234.3	207.6	192.9	189.2	181.0	195.7	241.6	3036.2	7386.2
80°	187.4	197.5	170.9	153.4	147.0	137.8	154.3	169.0	903.1	1715.2
82.5°	139.6	144.2	121.3	109.3	103.8	97.4	115.8	117.6	294.0	607.2
85°	89.1	90.9	74.4	64.3	61.6	58.8	73.5	64.3	112.1	446.5
87.5°	31.2	35.8	28.5	25.7	27.6	23.0	34.0	19.3	31.2	315.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3230.1  
3231.9  
3253.0  
3275.1  
3283.4  
3290.7  
3309.1  
3349.5  
3411.1  
3477.2  
3558.0  
3654.5  
3726.2  
3806.1  
3939.3  
4119.4  
4390.4  
4557.6  
4654.9  
4943.4  
5370.6  
6009.1  
6883.7  
8004.4  
9451.4  
11236.3  
13351.1  
15670.8  
18421.3  
19984.0  
16827.4  
7232.8  
1642.6  
686.3  
648.6  
390.4  
0.0

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