

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: P848354

Luminaire Tested: **GLAN-SB4D-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848354
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-SB4D-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34642 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

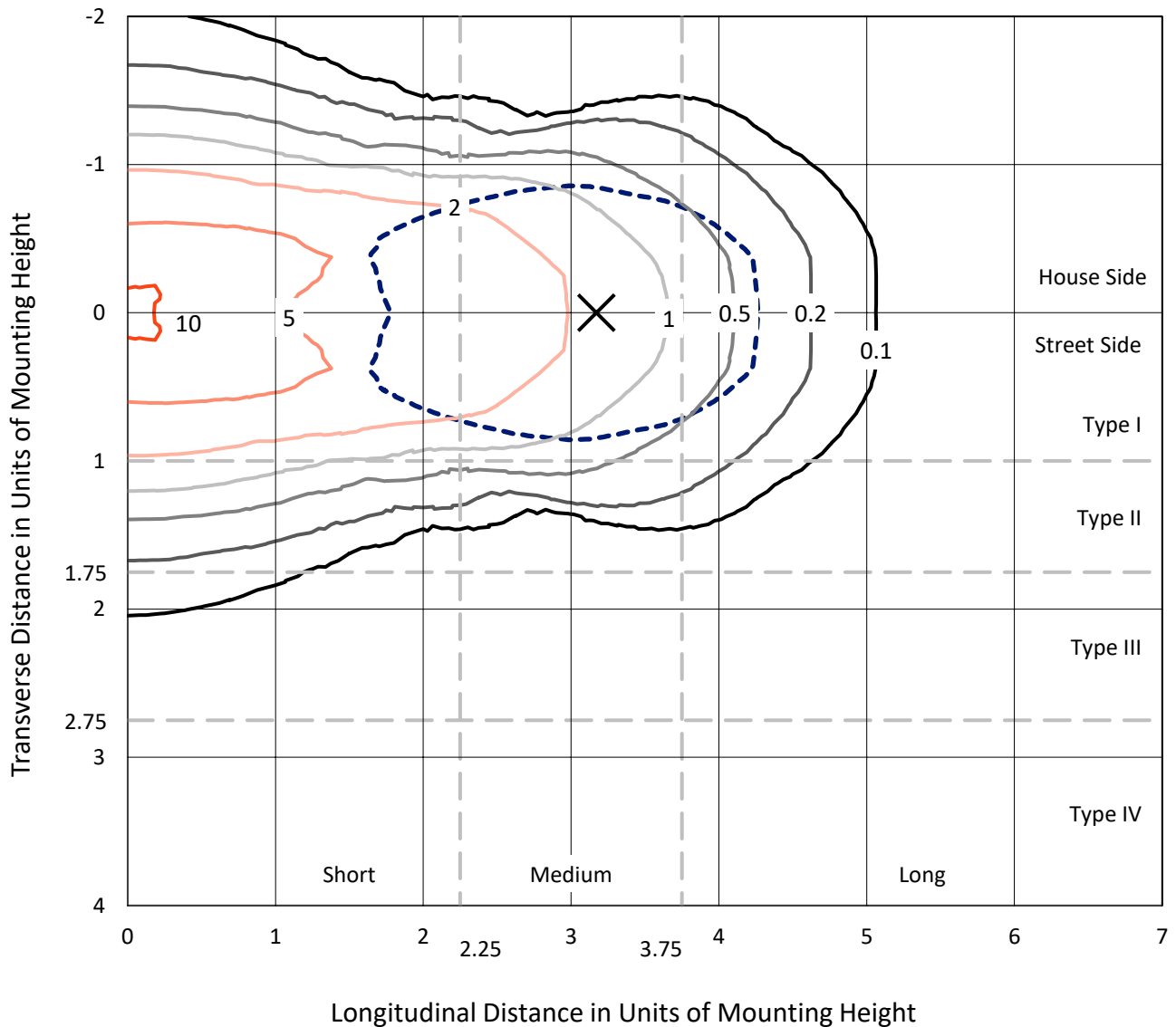
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

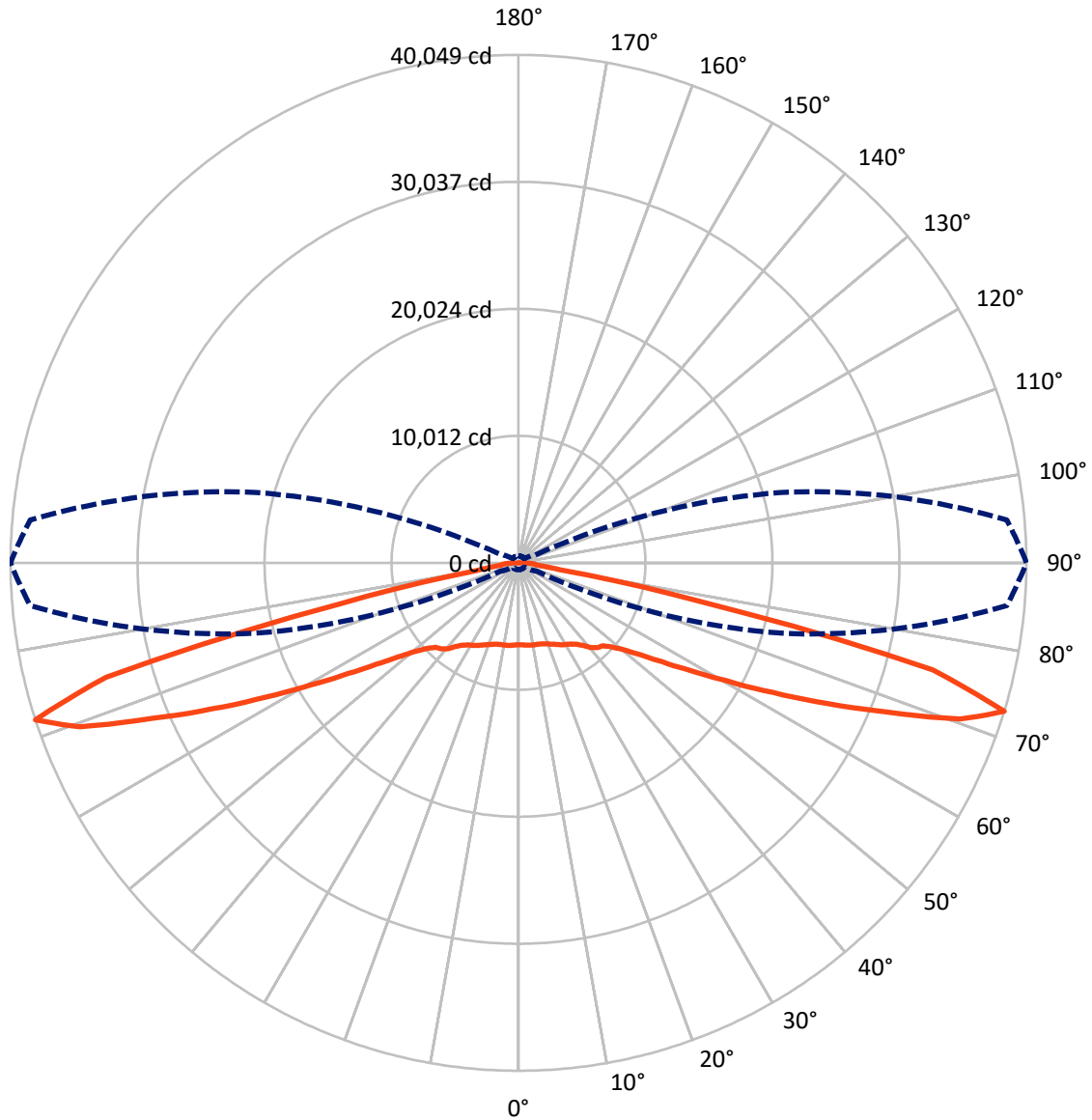
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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
House Side	Lumens	17321.0	0.0	17321.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17321.0	0.0	17321.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34642.0	0.0	34642.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.7	1.8
10°-20°	1919.1	5.5
20°-30°	3200.0	9.2
30°-40°	4400.9	12.7
40°-50°	5374.8	15.5
50°-60°	6216.5	17.9
60°-70°	7412.1	21.4
70°-80°	5173.2	14.9
80°-90°	317.7	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°	34642.0	100.0
0°-180°	34642.0	100.0

Coefficient of Utilization

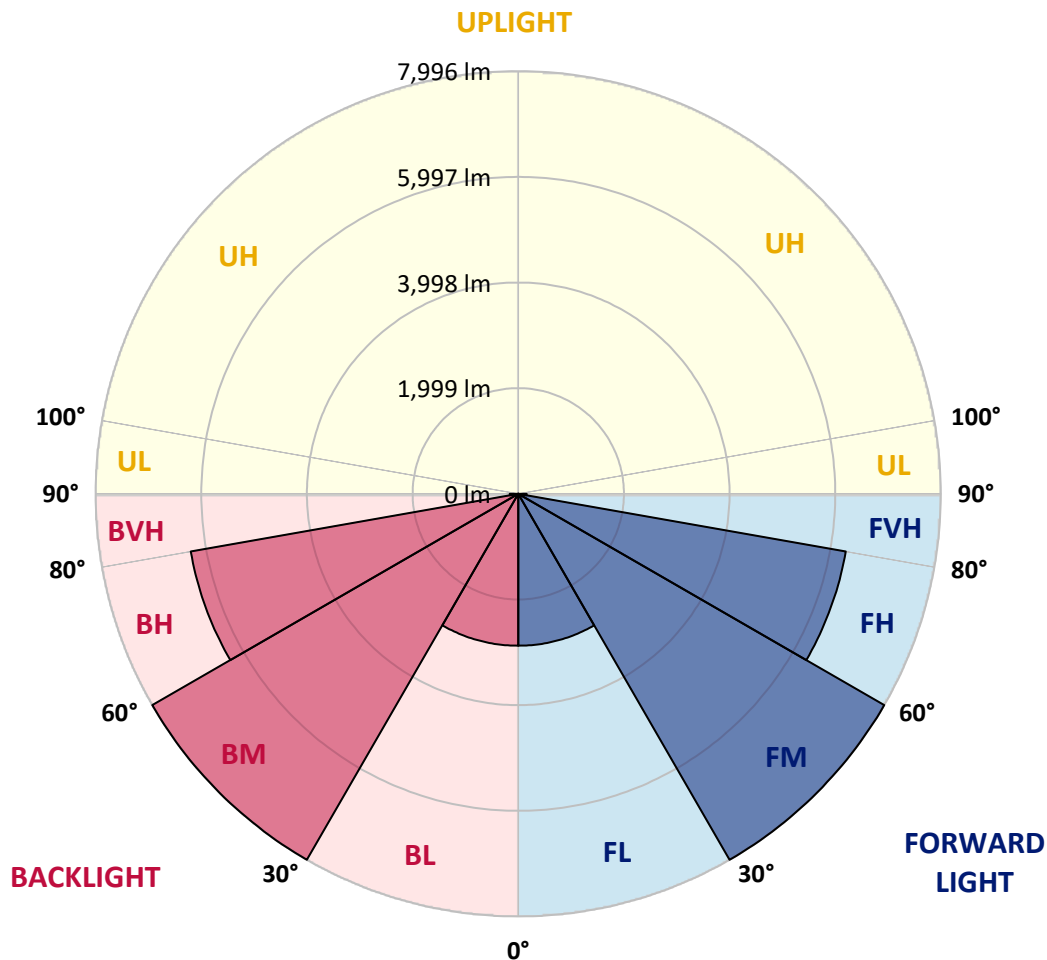


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2873.4	8.3			
FM (30°-60°)	7996.1	23.1			
FH (60°-80°)	6292.7	18.2			G3/7500
FVH (80°-90°)	158.9	0.5			G2/225
BL (0°-30°)	2873.4	8.3	B4/5000		
BM (30°-60°)	7996.1	23.1	B4/8500		
BH (60°-80°)	6292.7	18.2	B5		G5
BVH (80°-90°)	158.9	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°	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2	6473.2
2.5°	6478.7	6486.1	6486.1	6480.6	6493.5	6482.4	6482.4	6476.9	6482.4	6476.9
5°	6511.9	6521.1	6524.8	6522.9	6539.5	6530.3	6530.3	6522.9	6524.8	6519.3
7.5°	6574.5	6587.4	6594.7	6603.9	6627.9	6616.8	6609.5	6587.4	6578.2	6563.4
10°	6594.7	6609.5	6633.4	6681.3	6736.5	6738.3	6716.2	6661.0	6618.7	6585.5
12.5°	6532.1	6552.4	6602.1	6699.7	6823.0	6872.7	6837.8	6745.7	6662.9	6603.9
15°	6453.0	6475.1	6550.5	6697.8	6880.1	6996.1	6992.4	6870.9	6738.3	6646.3
17.5°	6329.6	6351.7	6460.3	6666.5	6924.3	7115.8	7167.3	7042.1	6856.2	6732.8
20°	6106.8	6127.1	6278.1	6567.1	6939.0	7242.8	7377.2	7266.7	7034.8	6867.2
22.5°	5817.8	5849.1	6025.8	6395.9	6904.0	7375.4	7616.5	7541.0	7242.8	7010.8
25°	5508.5	5541.6	5747.8	6186.0	6813.8	7471.1	7900.1	7852.2	7478.5	7189.4
27.5°	5241.5	5276.5	5501.1	5978.0	6673.9	7507.9	8179.9	8203.8	7763.8	7386.4
30°	5031.7	5064.8	5304.1	5810.4	6493.5	7471.1	8424.8	8590.5	8054.7	7557.6
32.5°	4801.5	4843.9	5096.1	5606.1	6279.9	7382.7	8638.3	9008.4	8391.6	7741.7
35°	4510.6	4549.3	4814.4	5326.2	6000.1	7241.0	8816.9	9472.3	8874.0	8021.6
37.5°	4157.1	4194.0	4457.2	4976.4	5722.1	7042.1	8953.2	9995.2	9448.4	8424.8
40°	3801.8	3836.8	4083.5	4586.1	5388.8	6788.0	9001.0	10507.0	10107.5	8978.9
42.5°	3476.0	3507.2	3733.7	4201.3	5015.1	6464.0	8938.4	10952.6	10698.5	9365.6
45°	3175.9	3203.5	3404.1	3840.5	4626.6	6070.0	8750.6	11431.2	11401.8	9641.7
47.5°	2833.4	2861.0	3069.1	3490.7	4238.2	5607.9	8432.1	11902.6	12379.4	10267.7
50°	2415.5	2439.4	2653.0	3087.5	3835.0	5116.4	7990.3	12272.6	13612.9	11215.8
52.5°	1920.2	1946.0	2154.1	2588.6	3356.3	4588.0	7408.5	12513.8	15037.9	12600.3
55°	1428.7	1447.1	1627.5	2017.8	2763.5	3985.9	6679.4	12581.9	16654.4	14493.0
57.5°	1036.5	1047.6	1163.6	1454.5	2095.1	3232.9	5793.9	12405.2	18578.3	16919.5
60°	839.5	843.2	878.2	1007.1	1456.3	2382.4	4724.2	11797.6	20666.1	20047.5
62.5°	762.2	762.2	771.4	806.4	985.0	1572.3	3429.9	10538.3	22904.8	24000.3
65°	708.8	708.8	712.5	729.1	776.9	1001.5	2165.1	8487.4	24791.9	28630.6
67.5°	660.9	662.8	660.9	666.5	694.1	740.1	1255.6	5862.0	25808.2	33428.4
70°	611.2	614.9	605.7	605.7	627.8	629.6	786.1	3214.5	24965.0	37449.3
72.5°	552.3	557.8	543.1	539.4	556.0	548.6	591.0	1542.8	21433.8	38649.7
75°	500.8	508.1	475.0	465.8	465.8	460.3	480.5	791.7	13911.2	31528.4
77.5°	454.7	469.5	416.1	386.6	379.3	362.7	392.1	484.2	6084.8	14802.3
80°	375.6	395.8	342.4	307.5	294.6	276.2	309.3	338.8	1809.8	3437.3
82.5°	279.8	289.0	243.0	219.1	208.0	195.2	232.0	235.7	589.1	1217.0
85°	178.6	182.3	149.1	128.9	123.4	117.8	147.3	128.9	224.6	894.8
87.5°	62.6	71.8	57.1	51.6	55.2	46.0	68.1	38.7	62.6	631.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6473.2
6476.9
6519.3
6563.4
6580.0
6594.7
6631.6
6712.6
6835.9
6968.5
7130.5
7323.8
7467.4
7627.6
7894.5
8255.4
8798.5
9133.6
9328.7
9906.8
10762.9
12042.5
13795.2
16041.3
18941.0
22518.2
26756.4
31405.1
36917.3
40048.9
33723.0
14494.8
3291.8
1375.3
1299.8
782.5
0.0

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