

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: P851071

Luminaire Tested: **GLAN-SB8D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851071
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-SB8D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71467 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

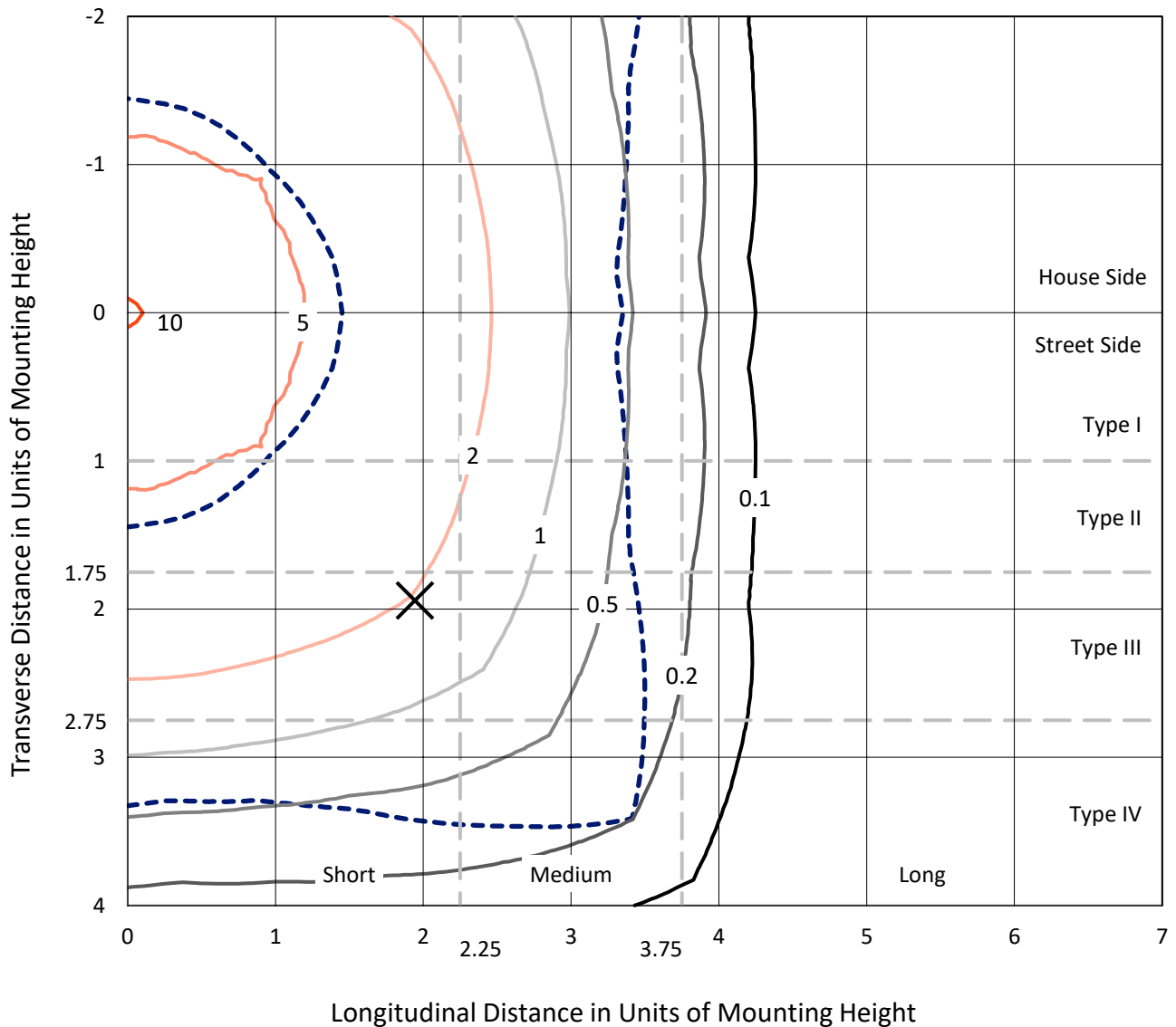
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

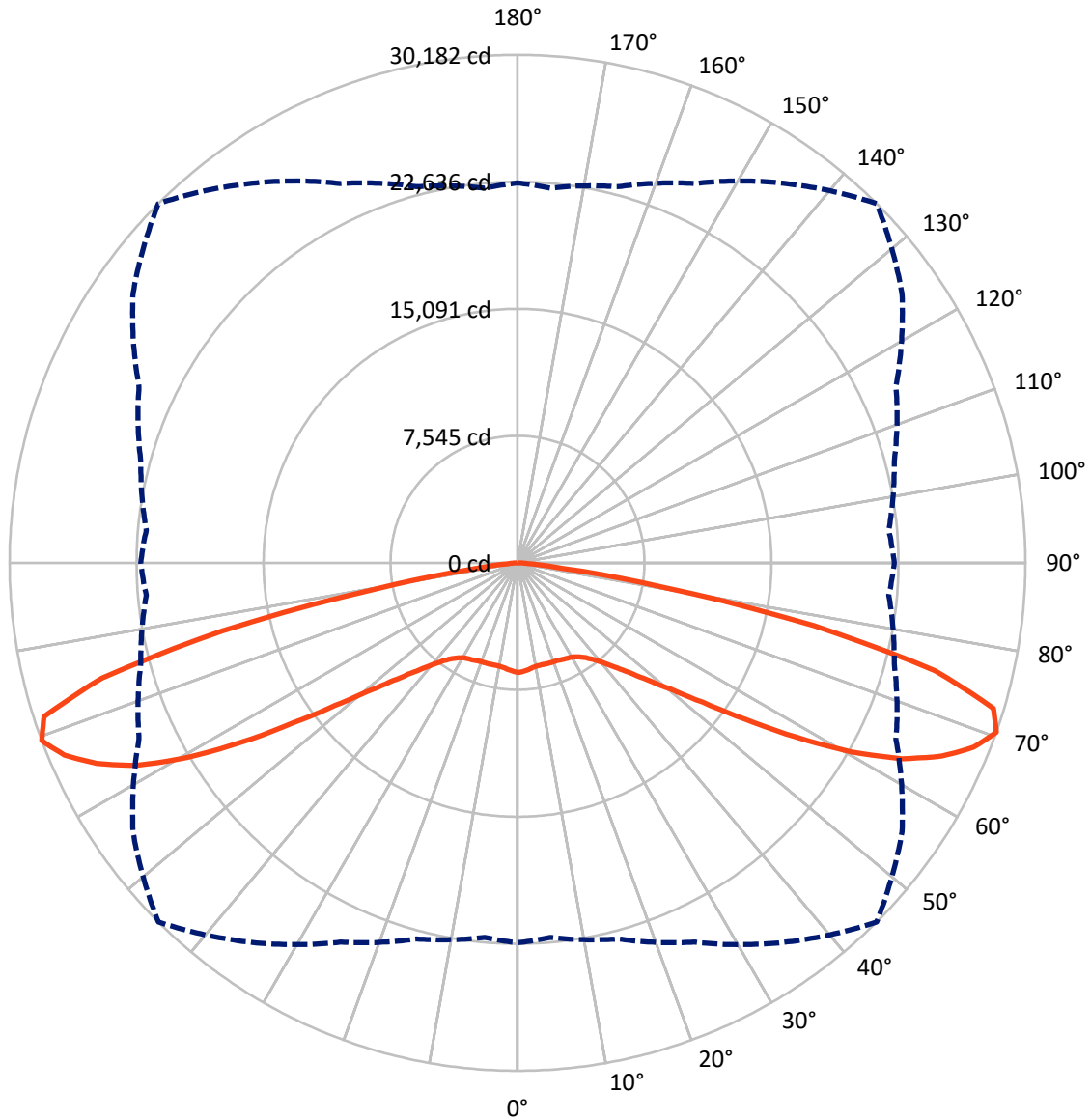
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type 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
House Side	Lumens	35733.5	0.0	35733.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35733.5	0.0	35733.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71467.0	0.0	71467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.4	0.8
10°-20°	1780.7	2.5
20°-30°	2963.3	4.1
30°-40°	4481.4	6.3
40°-50°	7447.0	10.4
50°-60°	14052.2	19.7
60°-70°	23727.7	33.2
70°-80°	15591.5	21.8
80°-90°	816.8	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°	71467.0	100.0
0°-180°	71467.0	100.0

Coefficient of Utilization



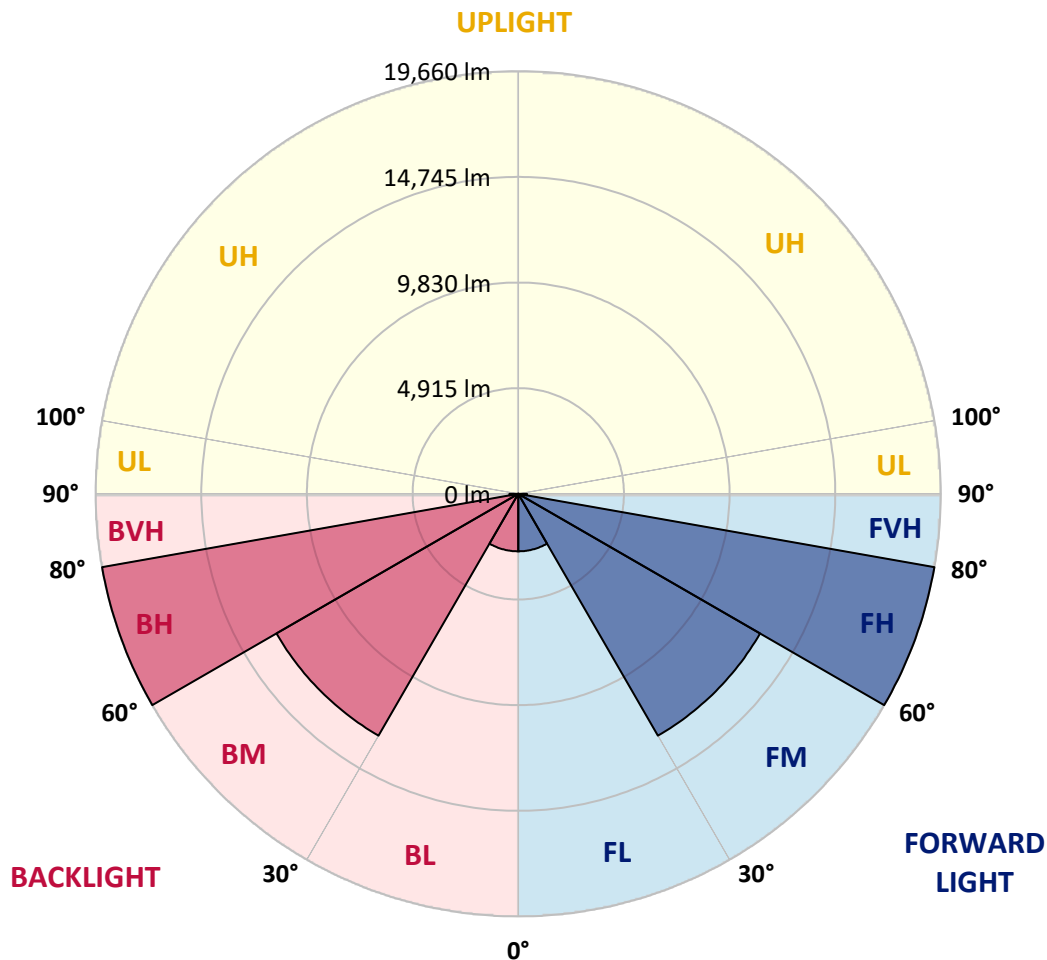
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2675.2	3.7			
FM (30°-60°)	12990.3	18.2			
FH (60°-80°)	19659.6	27.5			G5
FVH (80°-90°)	408.4	0.6			G3/500
BL (0°-30°)	2675.2	3.7	B4/5000		
BM (30°-60°)	12990.3	18.2	B5		
BH (60°-80°)	19659.6	27.5	B5		G5
BVH (80°-90°)	408.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6519.2	6519.2	6519.2	6519.2	6519.2	6519.2	6519.2	6519.2	6519.2	6519.2
2.5°	6478.4	6496.9	6489.5	6474.7	6474.7	6463.5	6474.7	6482.1	6493.2	6500.7
5°	6392.9	6407.8	6404.1	6392.9	6396.6	6385.5	6392.9	6404.1	6411.5	6415.2
7.5°	6318.6	6333.5	6326.1	6307.5	6307.5	6296.3	6300.1	6311.2	6322.4	6326.1
10°	6300.1	6314.9	6292.6	6262.9	6251.8	6236.9	6240.6	6251.8	6274.1	6285.2
12.5°	6307.5	6318.6	6296.3	6251.8	6240.6	6225.8	6225.8	6236.9	6266.6	6281.5
15°	6329.8	6340.9	6307.5	6259.2	6248.1	6236.9	6233.2	6248.1	6281.5	6307.5
17.5°	6370.6	6381.8	6329.8	6262.9	6248.1	6251.8	6248.1	6259.2	6311.2	6359.5
20°	6407.8	6415.2	6344.6	6262.9	6248.1	6251.8	6248.1	6270.3	6337.2	6404.1
22.5°	6418.9	6426.4	6359.5	6288.9	6277.8	6281.5	6277.8	6300.1	6363.2	6430.1
25°	6422.6	6433.8	6381.8	6326.1	6344.6	6352.1	6344.6	6348.4	6396.6	6456.1
27.5°	6478.4	6493.2	6444.9	6396.6	6407.8	6404.1	6415.2	6426.4	6463.5	6522.9
30°	6593.5	6604.7	6563.8	6515.5	6508.1	6482.1	6515.5	6552.7	6593.5	6645.5
32.5°	6783.0	6805.3	6753.3	6701.2	6667.8	6653.0	6679.0	6742.1	6797.8	6853.5
35°	7098.7	7113.6	7065.3	6968.7	6909.3	6909.3	6931.6	7013.3	7102.4	7173.0
37.5°	7544.5	7563.0	7477.6	7362.5	7273.3	7273.3	7303.0	7388.5	7522.2	7622.5
40°	8086.8	8112.8	8005.1	7886.2	7800.8	7785.9	7823.1	7919.7	8046.0	8172.3
42.5°	8740.6	8770.3	8629.2	8525.1	8458.3	8458.3	8476.9	8566.0	8681.2	8837.2
45°	9576.4	9628.4	9435.2	9331.2	9268.1	9282.9	9294.1	9372.1	9476.1	9654.4
47.5°	10571.9	10623.9	10419.6	10311.9	10300.8	10371.3	10326.8	10382.5	10438.2	10642.5
50°	11701.2	11790.3	11649.2	11641.7	11664.0	11794.0	11690.0	11719.8	11656.6	11786.6
52.5°	13083.0	13213.0	13187.0	13231.6	13480.5	13748.0	13510.2	13406.2	13168.5	13209.3
55°	14758.3	14955.2	14992.4	15259.8	15824.5	16370.5	15865.3	15445.6	14940.4	14847.5
57.5°	16664.0	16820.0	16998.3	17544.3	18599.3	19568.8	18599.3	17670.6	16875.7	16686.3
60°	18714.5	18907.6	19078.5	19884.6	21452.2	22815.4	21422.4	19947.7	18896.5	18640.2
62.5°	20917.3	21166.1	21285.0	22180.2	24007.9	25634.9	24033.9	22247.1	21080.7	20805.8
65°	23030.9	23235.2	23368.9	24323.6	26069.5	27700.2	26188.4	24427.6	23227.8	22867.5
67.5°	24015.3	24126.7	24453.6	25534.6	27377.0	29238.1	27689.1	25649.7	24308.7	23677.2
70°	22574.0	22347.4	23134.9	24865.9	27533.1	30181.6	27889.7	24813.9	23172.1	22146.8
72.5°	17444.0	17054.0	18421.0	21381.6	25750.0	29579.8	25928.3	21548.7	19271.7	17191.4
75°	9491.0	9048.9	10936.0	14680.3	20534.6	25638.6	21006.4	15100.1	12176.7	9420.4
77.5°	2678.3	2511.1	4034.1	7102.4	12351.2	18001.2	12826.7	7258.4	4784.5	2838.0
80°	820.9	794.9	1077.3	2139.6	5245.1	8621.7	5040.8	2165.6	1370.7	865.5
82.5°	486.6	445.8	534.9	780.1	1337.3	2708.0	1300.1	813.5	653.8	438.3
85°	278.6	260.0	315.7	378.9	449.5	575.8	375.2	386.3	349.2	234.0
87.5°	115.2	104.0	122.6	118.9	104.0	133.7	100.3	118.9	141.2	92.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6519.2
6496.9
6415.2
6326.1
6285.2
6285.2
6311.2
6359.5
6407.8
6430.1
6452.4
6508.1
6634.4
6831.3
7147.0
7585.3
8131.4
8826.0
9647.0
10583.1
11708.6
13071.9
14702.6
16552.5
18417.3
20582.9
22689.1
23684.7
22392.0
17707.8
10033.3
3153.7
913.8
475.5
245.2
85.4
0.0

OF REPORT)